

Vehicle Sizes and Weights Manual



J. J. Keller
& Associates, Inc.[®]
Since 1953

1-M (34)



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VEHICLE SIZES & WEIGHTS MANUAL

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VEHICLE SIZES & WEIGHTS MANUAL

Introduction

The VEHICLE SIZES AND WEIGHTS MANUAL is designed to present, in an “easy to find” and understandable format, federal, individual state and Canadian size and weight limitations, as well as the requirements for overdimensional and overweight movements.

The first part of each state and Canadian section contains the legal limitations on vehicular length, width, height and weight. Within the weight limitations are included the maximum weight practicable, maximum tandem axle weight, maximum axle weight, maximum wheel weight and maximum weight per inch width of tire.

Part two contains the regulations, procedures, forms and fees required for obtaining overdimensional and overweight permits. Also included are the requirements for marking of vehicles and/or loads, flagmen, escort vehicles, financial responsibility, weigh scale locations, weekend and holiday restrictions, ports of entry, and the names, addresses and telephone numbers of the controlling regulatory agencies.

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I. GENERAL

On January 6, 1983, the federal government enacted the Surface Transportation Assistance Act of 1982 (STAA). The STAA established uniform weight, length and width requirements for vehicles using the Interstate System and other qualifying Federal-aid highways.

The STAA-imposed federal size limits for the Interstate Highway System and other designated state highways are as follows:

Width: 102 inches

Length: Semitrailers: At least 48 feet
Trailers: At least 28 feet
No overall length limitation on tractor-semitrailer or tractor-semitrailer-trailer combinations; all states must allow tractors with double trailers.
NOTE: No state may prohibit the use of trailers or semitrailers of such dimensions as those that were in actual use in such state on Dec 1, 1982. Neither shall any state prohibit the use of existing trailers or semitrailers of up to 28.5 feet in length in a truck tractor semitrailer-trailer combination if those trailers and semitrailers were actually and lawfully operating on Dec. 1, 1982, within a 65-foot length limit in any state.

Weight: One axle: 20,000 pounds
Tandem axles: 34,000 pounds
Gross allowable weight: 80,000 pounds
Compliance with the federal bridge formula.

Federal Bridge Formula:

$$W = 500 \left[\frac{LN}{N-1} + 12N + 36 \right]$$

The Federal Highway Administration produced a pamphlet on the Federal Bridge Formula, which explains what the formula is and how it is used. The pamphlet is entitled "Bridge Gross Weight Formula (August 2006)."

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Bridge Formula Weights

With a few exceptions noted in this pamphlet, the Bridge Formula establishes the maximum weight any set of axles on a motor vehicle may carry on the Interstate highway system. This pamphlet describes the Bridge Formula, why it was established, and how it is used.

What is It?

Congress enacted the Bridge Formula in 1975 to limit the weight-to-length ratio of a vehicle crossing a bridge. This is accomplished either by spreading weight over additional axles or by increasing the distance between axles.

Compliance with Bridge Formula weight limits is determined by using the following formula:

$$W = 500 \left[\frac{LN}{N-1} + 12N + 36 \right]$$

W = the overall gross weight on any group of two or more consecutive axles to the nearest 500 pounds.

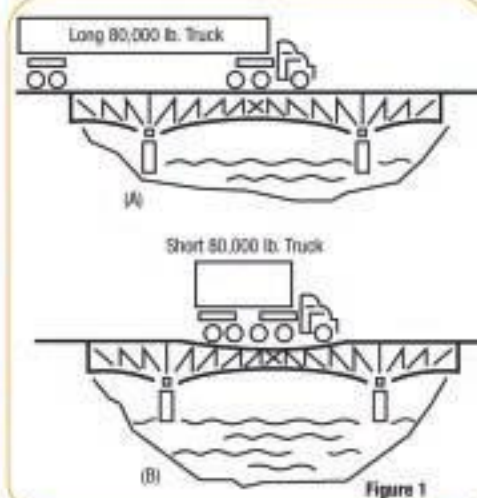
L = the distance in feet between the outer axles of any group of two or more consecutive axles.

N = the number of axles in the group under consideration.

In addition to Bridge Formula weight limits, Federal law states that single axles are limited to 20,000 pounds, and axles closer than 96 inches apart (tandem axles) are limited to 34,000 pounds. Gross vehicle weight is limited to 80,000 pounds (23 U.S.C. 127).

Is the Formula Necessary?

Bridges on the Interstate System highways are designed to support a wide variety of vehicles and their expected loads. As trucks grew heavier in the 1950s and 1960s, something had to



be done to protect bridges. The solution was to link allowable weights to the number and spacing of axles.

Axle spacing is as important as axle weight in designing bridges. In Figure 1A, the stress on bridge members as a longer truck rolls across is much less than that caused by a shorter vehicle as shown in Figure 1B, even though both trucks have the same total weight and individual axle weights. The weight of the longer vehicle is spread out, while the weight of the shorter vehicle is concentrated on a smaller area.

How is the Formula Used?

The weight on various axle configurations must be checked to determine compliance with the Bridge Formula. Three definitions are needed to use the Bridge Formula correctly.

Gross Weight—the weight of a vehicle or vehicle combination and any load thereon. The Federal gross weight limit on the Interstate System is 80,000 pounds unless the Bridge Formula dictates a lower weight limit.

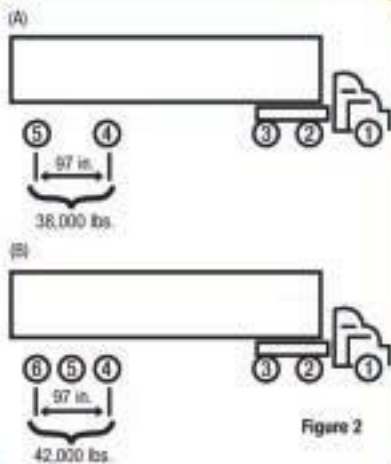
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Single-Axle Weight—The total weight on one or more axles whose centers are spaced not more than 40 inches apart. The Federal single-axle weight limit on the Interstate System is 20,000 pounds.

Tandem-Axle Weight—The total weight on two or more consecutive axles whose centers are spaced more than 40 inches apart but not more than 96 inches apart. The Federal tandem-axle weight limit on the Interstate System is 34,000 pounds.

Interstate System weight limits in some States may be higher than the figures noted above due to "grandfather" rights. When the Interstate System axle and gross weight limits were first adopted in 1956, and amended in 1975, States were allowed to keep or "grandfather" weight limits that were higher.

Bridge Formula calculations yield a series of weights (Bridge Table, pages 5-6). It is important to note that the single-axle weight limit replaces the Bridge Formula weight limit on axles not more than 40 inches apart, and the tandem-axle weight limit replaces the Bridge Formula weight limit for axles over 40 but not more than 96 inches apart. At 97 inches apart, for example, two axles may carry 38,000 pounds (Figure 2A), and three axles may carry 42,000 pounds, as shown in Figure 2B.



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Federal law states that any two or more consecutive axles may not exceed the weight computed by the Bridge Formula even though single axles, tandem axles, and gross weight are within legal limits. As a result, the axle group that includes the entire truck—sometimes called the "outer bridge" group—must comply with the Bridge Formula. However, interior combinations of axles, such as the "tractor bridge" (axles 1, 2, and 3) and "trailer bridge" (axles 2, 3, 4, and 5), must also comply with weights computed by the Bridge Formula (Figure 3).

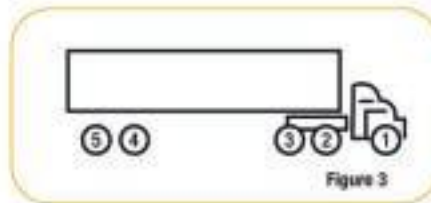
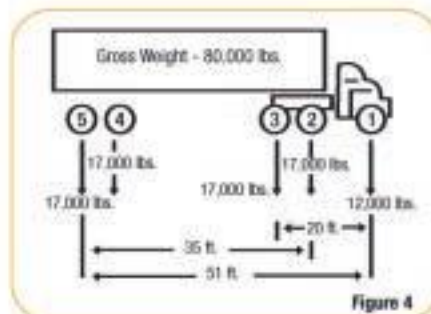


Figure 3 shows the most common vehicle checked for compliance with weight limit requirements. Although the Bridge Formula applies to each combination of two or more axles, experience shows that axle combinations 1 through 3, 1 through 5, and 2 through 5 are critical and must be checked. If these combinations are found to be satisfactory, then all of the others on this type of vehicle normally will be satisfactory.

The vehicle with weights and axle dimensions shown in Figure 4 is used to illustrate a Bridge Formula check.



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Permissible Gross Loads for Vehicles in Regular Operation ¹									
Based on weight formula $W = 500 \left[\frac{LN}{N-1} + 12N + 36 \right]$									
Maximum load in pounds carried on any group of 2 or more consecutive axles ²									
Distance in feet (L) between the extremes of any group of 2 or more consecutive axles (page 1 & 4)	N =	2 AXLES	3 AXLES	4 AXLES	5 AXLES	6 AXLES	7 AXLES	8 AXLES	9 AXLES
4	34,000	.....	.....	.....	.....	.....	.....	.....
5	34,000	.....	.....	.....	.....	.....	.....	.....
6	34,000	.....	.....	.....	.....	.....	.....	.....
7	34,000	.....	.....	.....	.....	.....	.....	.....
8	34,000	34,000	.....	.....	.....	.....	.....	.....
More than 8 less than 9	38,000	42,000	.....	.....	.....	.....	.....	.....
9	38,000	42,500	.....	.....	.....	.....	.....	.....
10	40,000	43,500	.....	.....	.....	.....	.....	.....
11	44,000	.....	.....	.....	.....	.....	.....
12	45,000	50,000	.....	.....	.....	.....	.....
13	45,500	50,500	.....	.....	.....	.....	.....
14	46,500	51,500	.....	.....	.....	.....	.....
15	47,000	52,000	.....	.....	.....	.....	.....
16	48,000 ³	52,500	58,000	.....	.....	.....	.....
17	48,500	53,500	58,500	.....	.....	.....	.....
18	49,500	54,000	59,000	.....	.....	.....	.....
19	50,000	54,500	60,000	.....	.....	.....	.....
20	51,000	55,500	60,500	66,000	.....	.....	.....
21	51,500	56,000	61,000	66,500	.....	.....	.....
22	52,500	56,500	61,500	67,000	.....	.....	.....
23	53,000	57,000	62,000	68,000	.....	.....	.....
24	54,000	58,000	63,000	68,500	74,000	.....	.....
25	54,500	58,500	63,500	69,000	74,500	.....	.....
26	55,500	59,500	64,000	69,500	75,000	.....	.....
27	56,000	60,000	65,000	70,000	75,500	.....	.....
28	57,000	60,500	65,500	71,000	76,000	82,000	.....
29	57,500	61,000	66,000	71,500	77,000	82,500	.....
30	58,500	62,000	66,500	72,000	77,500	83,000	.....
31	59,000	62,500	67,000	72,500	78,000	83,500	.....
32	60,000	63,500	68,000	73,000	78,500	84,500	80,000
33	64,000	68,500	74,000	79,000	85,000	80,500
34	64,500	69,000	74,500	80,000	85,500	81,000
35	65,500	70,000	75,000	80,500	86,000	81,500
36	66,000	70,500	75,500	81,000	86,500	82,000
37	66,500	71,000	76,000	81,500	87,000	82,500
38	67,500	71,500	77,000	82,000	87,500	83,000
39	68,000	72,000	77,500	82,500	88,000	83,500
40	68,500	73,000	78,000	83,500	89,000	84,500
41	69,500	73,500	78,500	84,000	89,500	85,000
42	70,000	74,000	79,000	84,500	90,000	85,500
43	70,500	75,000	80,000	85,000	90,500	86,000
44	71,500	75,500	80,500	85,500	91,000	86,500
45	72,000	76,000	81,000	86,000	91,500	87,000
46	72,500	76,500	81,500	87,000	92,000	87,500
47	73,500	77,500	82,000	87,500	93,000	88,500
48	74,000	78,000	83,000	88,000	93,500	89,000
49	74,500	78,500	83,500	88,500	94,000	89,500
50	75,500	79,000	84,000	89,000	94,500	90,000
51	76,000	80,000	84,500	89,500	95,000	90,500
52	76,500	80,500	85,000	90,000	95,500	91,000
53	77,500	81,000	86,000	91,000	96,500	91,500
54	78,000	81,500	86,500	91,500	97,000	92,000
55	78,500	82,500	87,000	92,000	97,500	92,500
56	79,500	83,000	87,500	92,500	98,000	93,000
57	80,000	83,500	88,000	93,000	98,500	93,500
58	84,000	89,000	94,000	99,000	94,500
59	85,000	89,500	94,500	99,500	95,000
60	85,500	90,000	95,000	100,500	95,500

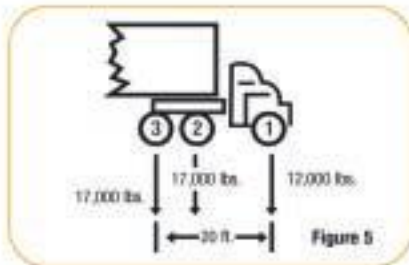
¹The values in this table reflect FHWA's policy of rounding down when calculated weights fall exactly halfway between 500-pound increments. Because the Bridge Formula is designed to protect highway infrastructure, FHWA determined that this conservative policy is consistent with the statutory mandate.

²The following listed vehicles must not operate over 113-44 bridges: 3-52 (5-axle tractor trailer with a wheelbase of less than 38 feet), 2-51-2 (5-axle semitrailer combination with a wheelbase of less than 40 feet), 2-3 (2-axle truck trailer combination with a wheelbase less than 40 feet), and any truck with 7 or more axles.

³113-44 bridges are designed for a specific vehicle load. HIS refers to a 11-ton 2-axle truck; 44 refers to the year AASHTO published the loading information. See AASHTO Standard Specifications for Highway Bridges.

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Before checking for compliance with the Bridge Formula, a vehicle's single-axle, tandem-axle, and gross weight should be checked. Here the single axle (number 1) does not exceed 20,000 pounds, tandems 2-3 and 4-5 do not exceed 34,000 pounds each, and the gross weight does not exceed 80,000 pounds. Thus, these preliminary requirements are satisfied. The first Bridge Formula combination is checked as follows:



Check axes 1 through 3 (Figure 5)

Actual weight = 12,000 + 17,000 + 17,000 = 46,000 pounds

N = 3 axles

L = 20 feet

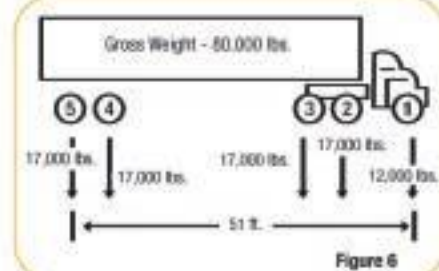
$$W = 500 \left[\frac{LN}{N-1} + 12N + 36 \right]$$

$$W = 500 \left[\frac{(20 \times 3)}{(3-1)} + (12 \times 3) + 36 \right] = 51,000 \text{ lbs.}$$

Maximum weight (W) = 51,000 pounds, which is more than the actual weight of 46,000 pounds. Thus, the Bridge Formula requirement is satisfied.

Example From the Bridge Table (pages 5 & 6)

The same number (51,000 pounds) could have been obtained from the Bridge Table by reading down the left side to L = 20 and across to the right where N = 3.

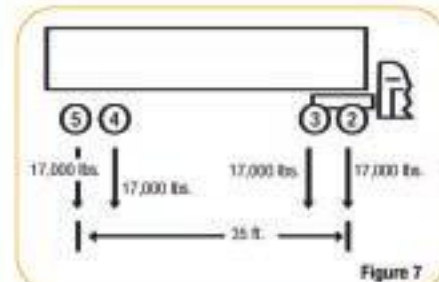


Now check axes 1 through 5 (Figure 6)

Actual weight = 12,000 + 17,000 + 17,000 + 17,000 + 17,000 = 80,000 pounds.

Maximum weight (W) = 80,000 pounds (Bridge Table for "L" of 51 feet and "N" of 5 axles).

Therefore, this axle spacing is satisfactory.



Now check axes 2 through 5 (Figure 7)

Actual weight = 17,000 + 17,000 + 17,000 + 17,000 = 68,000 pounds.

Maximum weight (W) = 65,500 pounds (Bridge Table for "L" of 35 feet and "N" of 4 axles).

This is a violation because the actual weight exceeds the weight allowed by the Bridge Formula. To correct the situation, some load must be removed from the vehicle or the axle spacing (35 feet) must be increased.

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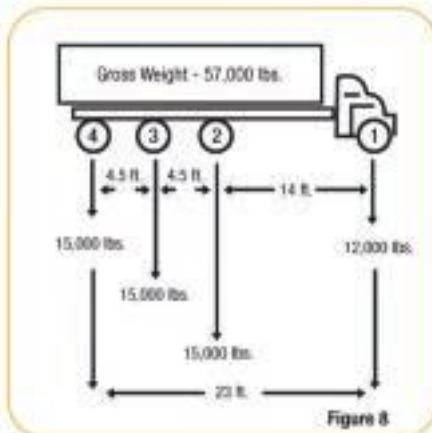
Exception to Formula and Bridge Table

In addition to the grandfather rights noted on page 3, Federal law (23 U.S.C. 127) includes one other exception to the Bridge Formula and the Bridge Table—two consecutive sets of tandem axles may carry 34,000 pounds each if the overall distance between the first and last axles of these tandems is 36 feet or more. For example, a five-axle tractor-semitrailer combination may carry 34,000 pounds both on the tractor tandems (axes 2 and 3) and the trailer tandem (axes 4 and 5), provided axes 2 and 5 are spaced at least 36 feet apart. Without this exception, the Bridge Formula would allow an actual weight of only 68,000 to 67,500 pounds on tandems spaced 36 to 38 feet apart.

Bridge Formula Application

to Single-Unit Trucks

The procedure described above could be used to check any axle combinations, but several closely spaced axles usually produce the most critical situation.



The truck shown in Figure 8 satisfies the single-axle weight limit (12,000 pounds are less than 20,000 pounds), the tandem-axle limit (30,000 pounds are less than 34,000 pounds) and the gross-weight limit (57,000 pounds are less than 80,000 pounds). With these restrictions satisfied, a check is done for Bridge Formula requirements, axes 1 through 4.

Actual Weight = 12,000 + 15,000 + 15,000 + 15,000 = 57,000 pounds.

Maximum weight (W) = 57,500 pounds (Bridge Table for "L" of 23 feet and "N" of 4 axles).

Since axes 1 through 4 are satisfactory, check axes 2 through 4:

Actual weight = 15,000 + 15,000 + 15,000 = 45,000 pounds.

Maximum weight (W) = 42,500 pounds (Bridge Table for "L" of 9 feet and "N" of 3 axles).

This is a violation because the actual weight exceeds the weight allowed by the Bridge Formula. The load must either be reduced, axles added, or spacing increased to comply with the Bridge Formula.

Quality Assurance Statement

The Federal Highway Administration (FHWA) provides high-quality information to serve Government, industry, and the public in a manner that promotes public understanding. Standards and policies are used to ensure and maximize the quality, objectivity, utility, and integrity of its information. FHWA periodically reviews quality issues and adjusts its programs and processes to ensure continuous quality improvement.

VEHICLE SIZES & WEIGHTS MANUAL

II. REGULATIONS

CFR Title 23 - Highways

PART 658—SIZE AND WEIGHT, ROUTE DESIGNATIONS — LENGTH, WIDTH AND WEIGHT LIMITATIONS

Sec.

- 658.1 Purpose.
- 658.3 Policy statement.
- 658.5 Definitions.
- 658.7 Applicability.
- 658.9 National Network criteria.
- 658.11 Additions, deletions, exceptions, and restrictions.
- 658.13 Length.
- 658.15 Width.
- 658.17 Weight.
- 658.19 Reasonable access.
- 658.21 Identification of National Network
- 658.23 LCV freeze — cargo-carrying unit freeze.
- Appendix A to Part 658 — National Network — Federally-Designated Routes
- Appendix B to Part 658 — Grandfathered Semitrailer Lengths
- Appendix C to Part 658 — Trucks over 80,000 pounds on the Interstate System and Trucks over STAA Lengths on the National Network
- Appendix D to Part 658 — Devices That Are Excluded From Measurement of the Length or Width of a Commercial Motor Vehicle

Authority: 23 U.S.C. 127 and 315; 49 U.S.C. 31111, 31112, and 31114; sec. 347, Pub. L. 108-7, 117 Stat. 419; sec. 756, Pub. L. 109-58, 119 Stat. 829; sec. 1309, Pub. L. 109-59, 119 Stat. 1219; sec. 115, Pub. L. 109-115, 119 Stat. 2408; 49 CFR 1.48(b)(19) and (c)(19).

Source: 49 FR 23315, June 5, 1984, unless otherwise noted.

§658.1 Purpose.

The purpose of this part is to identify a National Network of highways available to vehicles authorized by provisions of the Surface Transportation Assistance Act of 1982 (STAA) as amended, and to prescribe national policies that govern truck and bus size and weight.

[53 FR 12148, Apr. 13, 1988]

§658.3 Policy statement.

The Federal Highway Administration's (FHWA) policy is to provide a safe and efficient National Network of highways that can safely and efficiently accommodate the large vehicles authorized by the STAA. This network includes the Interstate System plus other qualifying Federal-aid Primary System Highways.

§658.5 Definitions.

Automobile Transporters. Any vehicle combination designed and used specifically for the transport of assembled highway vehicles, including truck camper units.

Beverage semitrailer. A van-type, drop-frame semitrailer designed and used specifically for the transport and delivery of bottled or canned beverages (i.e. liquids for drinking, including water) which has side-only access for loading and unloading this commodity. Semitrailer has the same meaning as in 49 CFR 390.5.

Boat transporters. Any vehicle combination designed and used specifically to transport assembled boats and boat hulls. Boats may be partially disassembled to facilitate transporting.

Bridge Gross Weight Formula. The standard specifying the relationship between axle (or groups of axles) spacing and the gross weight that (those) axle(s) may carry expressed by the formula:

$$W = \left(\frac{LN}{N-1} + 12N + 36 \right)$$

where W=overall gross weight on any group of two or more consecutive axles to the nearest 500 pounds, L=distance in feet between the extreme of any group of two or more consecutive axles, and N=number of axles in the group under consideration.

Cargo-carrying unit. As used in this part, cargo-carrying unit means any portion of a commercial motor vehicle (CMV) combination (other than a truck tractor) used for the carrying of cargo, including a trailer, semitrailer, or the cargo-carrying section of a single-unit truck. The length of the cargo carrying units of a CMV with two or more such units is measured from the front of the first unit to the rear of the last [including the hitch(es) between the units].

Commercial Motor Vehicle. For purposes of this regulation, a motor vehicle designed or regularly used to carry freight, merchandise, or more than ten passengers, whether loaded or empty, including buses, but not including vehicles used for vanpools, or recreational vehicles operating under their own power.

Drive-away saddlemount vehicle transporter combination. The term drive-away saddlemount vehicle transporter combination means a vehicle combination designed and specifically used to tow up to 3 trucks or truck tractors, each connected by a saddle to the frame or fifth wheel of the forward vehicle of the truck tractor in front of it. Such combinations may include up to one fullmount.

Dromedary unit. A box, deck, or plate mounted behind the cab and forward of the fifth wheel on the frame of the power unit of a truck tractor-semitrailer combination.

Federal-Aid Primary System. The Federal-aid Highway System of rural arterials and their extensions into or through urban areas in existence on June 1, 1991, as described in 23 U.S.C. 103(b) in effect at that time.

Fullmount. A fullmount is a smaller vehicle mounted completely on the frame of either the first or last vehicle in a saddlemount combination.

Interstate System. The National System of Interstate and Defense Highways described in sections 103(e) and 139(a) of Title 23, U.S.C. For the purpose of this regulation this system includes toll roads designated as Interstate.

Length Exclusive Devices. Devices excluded from the measurement of vehicle length. Such devices shall not be designed or used to carry cargo.

Longer combination vehicle (LCV). As used in this part, longer combination vehicle means any combination of a truck tractor and two or more trailers or semitrailers which operates on the Interstate System at a gross vehicle weight greater than 80,000 pounds.

Maxi-cube vehicle. A maxi-cube vehicle is a combination vehicle consisting of a power unit and a trailing unit, both of which are designed to carry cargo. The power unit is a nonarticulated truck with one or more drive axles that carries either a detachable or permanently attached cargo box. The trailing unit is a trailer or semitrailer with a cargo box so designed that the power unit may be loaded and unloaded through the trailing unit. Neither cargo box shall exceed 34 feet in length, excluding drawbar or hitching device; the distance from the front of the first to the rear of the second cargo box shall not exceed 60 feet, including the space between the cargo boxes; and the overall length of the combination vehicle shall not exceed 65 feet, including the space between the cargo boxes.

Motor carrier of passengers. As used in this part, a motor carrier of passengers is a common, contract, or private carrier using a bus to provide commercial transportation of passengers. Bus has the same meaning as in 49 CFR 390.5.

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National Network (NN). The composite of the individual network of highways from each State on which vehicles authorized by the provisions of the STAA are allowed to operate. The network in each State includes the Interstate System, exclusive of those portions excepted under §658.11(f) or deleted under §658.11(d), and those portions of the Federal-aid Primary System in existence on June 1, 1991, set out by the FHWA in appendix A to this part.

Nondivisible load or vehicle.

(1) As used in this part, *nondivisible* means any load or vehicle exceeding applicable length or weight limits which, if separated into smaller loads or vehicles, would:

(i) Compromise the intended use of the vehicle, i.e., make it unable to perform the function for which it was intended;

(ii) Destroy the value of the load or vehicle, i.e., make it unusable for its intended purpose; or

(iii) Require more than 8 workhours to dismantle using appropriate equipment. The applicant for a nondivisible load permit has the burden of proof as to the number of workhours required to dismantle the load.

(2) A State may treat as nondivisible loads or vehicles: emergency response vehicles, including those loaded with salt, sand, chemicals or a combination thereof, with or without a plow or blade attached in front, and being used for the purpose of spreading the material on highways that are or may become slick or icy; casks designed for the transport of spent nuclear materials; and military vehicles transporting marked military equipment or material.

Over-the-road bus. The term over-the-road bus means a bus characterized by an elevated passenger deck located over a baggage compartment, and typically operating on the Interstate System or roads previously designated as making up the Federal-aid Primary System.

Saddlemount Combination. A saddlemount combination is a combination of vehicles in which a truck or truck tractor tows one or more trucks or truck tractors, each connected by a saddle to the frame or fifth wheel of the vehicle in front of it. The saddle is a mechanism that connects the front axle of the towed vehicle to the frame or fifth wheel of the vehicle in front and functions like a fifth wheel kingpin connection. When two vehicles are towed in this manner the combination is called a double saddlemount combination. When three vehicles are towed in this manner, the combination is called a triple saddlemount combination.

Single Axle Weight. The total weight transmitted to the road by all wheels whose centers may be included between two parallel transverse vertical planes 40 inches apart, extending across the full width of the vehicle. The Federal single axle weight limit on the Interstate System is 20,000 pounds.

Special Mobile Equipment. Every self-propelled vehicle not designed or used primarily for the transportation of persons or property and incidentally operated or moved over the highways, including military equipment, farm equipment, implements of husbandry, road construction or maintenance machinery, and emergency apparatus which includes fire and police emergency equipment. This list is partial and not exclusive of such other vehicles as may fall within the general terms of this definition.

Stinger-steered combination. A truck tractor semitrailer wherein the fifth wheel is located on a drop frame located behind and below the rear-most axle of the power unit.

Tandem Axle Weight. The total weight transmitted to the road by two or more consecutive axles whose centers may be included between parallel transverse vertical planes spaced more than 40 inches and not more than 96 inches apart, extending across the full width of the vehicle. The Federal tandem axle weight limit on the Interstate System is 34,000 pounds.

Terminal. The term terminal as used in this regulation means, at a minimum, any location where:

(1) Freight either originates, terminates, or is handled in the transportation process; or

(2) Commercial motor carriers maintain operating facilities.

Tractor or Truck Tractor. The noncargo carrying power unit that operates in combination with a semitrailer or trailer, except that a truck tractor and semitrailer engaged in the transportation of automobiles may transport motor vehicles on part of the power unit, and a truck tractor equipped with a dromedary unit operating in combination with a semitrailer transporting Class 1 explosives and/or any munitions related security material as specified by the U.S. Department of Defense in compliance with 49 CFR 177.835 may use the dromedary unit to carry a portion of the cargo.

Truck-tractor Semitrailer-Semitrailer. In a truck-tractor semitrailer-semitrailer combination vehicle, the two trailing units are connected with a "B-train" assembly. The B-train assembly is a rigid frame extension attached to the rear frame of a first semitrailer which allows for a fifth wheel connection point for the second semitrailer. This combination has one less articulation point than the conventional "A dolly" connected truck-tractor semitrailer-trailer combination.

Truck-trailer Boat Transporter. A boat transporter combination consisting of a straight truck towing a trailer using typically a ball and socket connection. The trailer axle(s) is located substantially at the trailer center of gravity (rather than the rear of the trailer) but so as to maintain a downward force on the trailer tongue.

Width Exclusive Devices. Devices excluded from the measurement of vehicle width. Such devices shall not be designed or used to carry cargo.

[49 FR 23315, June 5, 1984, as amended at 53 FR 2597, Jan. 29, 1988; 53 FR 12148, Apr. 13, 1988; 53 FR 25485, July 7, 1988; 53 FR 48636, Dec. 2, 1988; 55 FR 22762, June 1, 1990; 55 FR 32399, Aug. 9, 1990; 72 FR 7747, Feb. 20, 2007]

§658.7 Applicability.

Except as limited in §658.17(a) the provisions of this part are applicable to the National Network and reasonable access thereto. However, nothing in this regulation shall be construed to prevent any State from applying any weight and size limits to other highways, except when such limits would deny reasonable access to the National Network.

§658.9 National Network Criteria.

(a) The National Network listed in the appendix to this part is available for use by commercial motor vehicles of the dimensions and configurations described in §§658.13 and 658.15.

(b) For those States with detailed lists of individual routes in the appendix, the routes have been designated on the basis of their general adherence to the following criteria.

(1) The route is a geometrically typical component of the Federal-Aid Primary System, serving to link principal cities and densely developed portions of the States.

(2) The route is a high volume route utilized extensively by large vehicles for interstate commerce.

(3) The route does not have any restrictions precluding use by conventional combination vehicles.

(4) The route has adequate geometrics to support safe operations, considering sight distance, severity and length of grades, pavement width, horizontal curvature, shoulder width, bridge clearances and load limits, traffic volumes and vehicle mix, and intersection geometry.

(5) The route consists of lanes designed to be a width of 12 feet or more or is otherwise consistent with highway safety.

(6) The route does not have any unusual characteristics causing current or anticipated safety problems.

(c) For those States where State law provides that STAA authorized vehicles may use all or most of the Federal-Aid Primary system, the National Network is no more restrictive than such law. The appendix contains a narrative summary of the National Network in those States.

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[49 FR 23315, June 5, 1984, as amended at 53 FR 12148, Apr. 13, 1988]

§658.11 Additions, deletions, exceptions, and restrictions.

To ensure that the National Network remains substantially intact, FHWA retains the authority to rule upon all requested additions to and deletions from the National Network as well as requests for the imposition of certain restrictions. FHWA approval or disapproval will constitute the final decision of the U.S. Department of Transportation.

(a) **Additions.** (1) Requests for additions to the National Network, including justification, shall have the endorsement of the Governor or the Governor's authorized representative, and be submitted in writing to the appropriate FHWA Division Office. Proposals for addition of routes to the National Network shall be accompanied by an analysis of suitability based on the criteria in §658.9.

(2) Proposals for additions that meet the criteria of §658.9 and have the endorsement of the Governor or the Governor's authorized representative will be published in the *Federal Register* for public comment as a notice of proposed rulemaking (NPRM), and if found acceptable, as a final rule.

(b) **Deletions — Federal-aid primary — other than interstate.** Changed conditions or additional information may require the deletion of a designated route or a portion thereof. The deletion of any route or route segment shall require FHWA approval. Requests for deletion of routes from the National Network, including the reason(s) for the deletion, shall be submitted in writing to the appropriate FHWA Division Office. These requests shall be assessed on the basis of the criteria of §658.9. FHWA proposed deletions will be published in the *Federal Register* as a Notice of Proposed Rulemaking (NPRM).

(c) **Requests for deletion — Federal-aid primary — other than interstate.** Requests for deletion should include the following information, where appropriate:

(1) Did the route segment prior to designation carry combination vehicles or 102-inch buses?

(2) Were truck restrictions in effect on the segment on January 6, 1983? If so, what types of restrictions?

(3) What is the safety record of the segment, including current or anticipated safety problems? Specifically, is the route experiencing above normal accident rates and/or accident severities? Does analysis of the accident problem indicate that the addition of larger trucks have aggravated existing accident problems?

(4) What are the geometric, structural or traffic operation features that might preclude safe, efficient operation? Specifically describe lane widths, sight distance, severity and length of grades, horizontal curvature, shoulder width, narrow bridges, bridge clearances and load limits, traffic volumes and vehicle mix, intersection geometrics and vulnerability of roadside hardware.

(5) Is there a reasonable alternate route available?

(6) Are there operational restrictions that might be implemented in lieu of deletion?

(d) **Deletions and use restrictions — Federal-aid interstate.** (1) The deletion of, or imposition of use restrictions on, any specific segment of the Interstate Highway System on the National Network, except as otherwise provided in this part, must be approved by the FHWA. Such action will be initiated on the FHWA's own initiative or on the request of the Governor or the Governor's authorized representative of the State in which the Interstate segment is located. Requests from the Governor or the Governor's authorized representative shall be submitted along with justification for the deletion or restriction, in writing, to the appropriate FHWA Division Office for transmittal to Washington Headquarters.

(2) The justification accompanying a request shall be based on the following:

(i) Analysis of evidence of safety problems supporting the deletion or restriction as identified in §658.11(c).

(ii) Analysis of the impact on interstate commerce.

(iii) Analysis and recommendation of any alternative routes that can safely accommodate commercial motor vehicles of the dimensions and configurations described in §§658.13 and 658.15 and serve the area in which such segment is located.

(iv) Evidence of consultation with the local governments in which the segment is located as well as the Governor or the Governor's authorized representative of any adjacent State that might be directly affected by such a deletion or restriction.

(3) Actions to ban all commercial vehicles on portions of the Interstate System not excepted under §658.11(f) are considered deletions subject to the requirements of subsection (d) of this section.

(4) Reasonable restrictions on the use of Interstate routes on the National Network by STAA-authorized vehicles related to specific travel lanes of multilane facilities, construction zones, adverse weather conditions or structural or clearance deficiencies are not subject to the requirements of paragraph (d) of this section.

(5) Proposed deletions or restrictions will be published in the Federal Register as an NPRM, except in the case of an emergency deletion as prescribed in §658.11(e). The FHWA will consider the factors set out in paragraph (d)(2) of this section and the comments of interested parties. Any approval of deletion or restriction will be published as a final rule. A deletion or restriction on a segment for reasons ascribable to dimensions of commercial motor vehicles described in either §658.13 or §658.15 shall result in a deletion or restriction for the purposes of both §§658.13 and 658.15.

(e) **Emergency deletions.** FHWA has the authority to delete any route from the National Network, on an emergency basis, for safety considerations. Emergency deletions are not considered final, and will be published in the Federal Register for notice and comment.

(f) **Exceptions.** Those portions of the Interstate System which were open to traffic and on which all commercial motor vehicles were banned on January 6, 1983, are not included in the National Network.

(g) **Restrictions — Federal-aid primary — other than interstate.** (1) Reasonable restrictions on the use of non-Interstate Federal-aid Primary routes on the National Network by STAA-authorized vehicles may be imposed during certain peak hours of travel or on specific travel lanes of multi-lane facilities. Restrictions related to construction zones, seasonal operation, adverse weather conditions or structural or clearance deficiencies may be imposed.

(2) All restrictions on the use of the National Network based on hours of use by vehicles authorized by the STAA require prior FHWA approval. Requests for such restrictions on the National Network shall be submitted in writing to the appropriate FHWA Division Office. Approval of requests for restrictions will be contingent on the ability to justify significant negative impact on safety, the environment and/or operational efficiency.

[49 FR 23315, June 5, 1984, as amended at 53 FR 12148, Apr. 13, 1988]

§658.13 Length.

(a) The length provisions of the STAA apply only to the following types of vehicle combinations:

(1) Truck tractor-semitrailer

(2) Truck tractor-semitrailer-trailer.

The length provisions apply only when these combinations are in use on the National Network or in transit between these highways and terminals or service locations pursuant to §658.19.

(b) The length provisions referred to in paragraph (a) of this section include the following:

(1) No State shall impose a length limitation of less than 48 feet on a semitrailer operating in a truck tractor-semitrailer combination.

(2) No State shall impose a length limitation of less than 28 feet on any semitrailer or trailer operating in a truck tractor-semitrailer-trailer combination.

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(3) No State shall impose an overall length limitation on commercial vehicles operating in truck tractor-semitrailer or truck tractor-semitrailer-trailer combinations.

(4) No State shall prohibit commercial motor vehicles operating in truck tractor-semitrailer-trailer combinations.

(5) No State shall prohibit the operation of semitrailers or trailers which are 28½ feet long when operating in a truck tractor-semitrailer-trailer combination if such a trailer or semitrailer was in actual and lawful operation on December 1, 1982, and such combination had an overall length not exceeding 65 feet.

(c) State maximum length limits for semitrailers operating in a truck tractor-semitrailer combination and semitrailers and trailers operating in a truck tractor-semitrailer-trailer combination are subject to the following:

(1) No State shall prohibit the use of trailers or semitrailers of such dimensions as those that were in actual and lawful use in such State on December 1, 1982, as set out in appendix B of this part.

(2) If on December 1, 1982, State length limitations on a semitrailer were described in terms of the distance from the kingpin to rearmost axle, or end of semitrailer, the operation of any semitrailer that complies with that limitation must be allowed.

(d) No State shall impose a limit of less than 45 feet on the length of any bus on the NN.

(e) **Specialized equipment** — (1) **Automobile transporters.** (i) Automobile transporters are considered to be specialized equipment. As provided in §658.5, automobile transporters may carry vehicles on the power unit behind the cab and on an over-cab rack. No State shall impose an overall length limitation of less than 65 feet on traditional automobile transporters (5th wheel located on tractor frame over rear axle(s)), including “low boys,” or less than 75 feet on stinger-steered automobile transporters. Paragraph (c) requires the States to allow operation of vehicles with the dimensions that were legal in the State on December 1, 1982.

(ii) All length provisions regarding automobile transporters are exclusive of front and rear cargo overhang. No State shall impose a front overhang limitation of less than 3 feet or a rear overhang limitation of less than 4 feet. Extendable ramps or “flippers” on automobile transporters that are used to achieve the allowable 3-foot front and 4-foot rear cargo overhangs are excluded from the measurement of vehicle length, but must be retracted when not supporting vehicles.

(iii) Drive-away saddle-mount vehicle transporter combinations are considered to be specialized equipment. No State shall impose an overall length limit of less or more than 97 feet on such combinations. This provision applies to drive-away saddle-mount combinations with up to three saddle-mounted vehicles. Such combinations may include one fullmount. Saddle-mount combinations must also comply with the applicable motor carrier safety regulations at 49 CFR parts 390-399.

(2) **Boat transporters.** (i) Boat transporters are considered to be specialized equipment. As provided for automobile transporters in §658.5, boat transporters may carry boats on the power unit so long as the length and width restrictions of the vehicles and load are not exceeded. No State shall impose an overall length limitation of less than 65 feet on traditional boat transporters (fifth wheel located on tractor frame over rear axle(s)), including “low boys,” or less than 75 feet on stinger-steered boat transporters. In addition, no State shall impose an overall length limitation of less than 65 feet on truck-trailer boat transporters. Paragraph (c) of this section requires the States to allow operation of vehicles with the dimensions that were legal in the State on December 1, 1982.

(ii) All length provisions regarding boat transporters are exclusive of front and rear overhang. Further, no State shall impose a front overhang limitation of less than three (3) feet nor a rearmost overhang limitation of less than four (4) feet.

(3) **Truck-tractor semitrailer-semitrailer.** (i) Truck-tractor semitrailer-semitrailer combination vehicles are considered to be specialized equipment. No State shall impose a length

limitation of less than 28 feet on any semitrailer or 28½ feet if the semitrailer was in legal operation on December 1, 1982, operating in a truck-tractor semitrailer-semitrailer combination. No State shall impose an overall length limitation on a truck-tractor semitrailer-semitrailer combination when each semitrailer length is 28 feet, or 28½ feet if grandfathered.

(ii) The B-train assembly is excluded from the measurement of trailer length when used between the first and second trailer of a truck-tractor semitrailer-semitrailer combination vehicle. However, when there is no semitrailer mounted to the B-train assembly, it will be included in the length measurement of the semitrailer, the length limitation in this case being 48 feet, or longer if grandfathered.

(4) **Maxi-cube vehicle.** No State shall impose a length limit on a maxi-cube vehicle, as defined in §658.5 of this part, of less than 34 feet on either cargo box, excluding drawbar or hitching device; 60 feet on the distance from the front of the first to the rear of the second cargo box, including the space between the cargo boxes; or 65 feet on the overall length of the combination, including the space between cargo boxes. The measurement for compliance with the 60- and 65-foot distance shall include the actual distance between cargo boxes, measured along the centerline of the drawbar or hitching device. For maxi-cubes with an adjustable length drawbar or hitching device, the 60-65-foot distances shall be measured with a drawbar spacing of not more than 27 inches. The drawbar may be temporarily extended beyond that distance to maneuver or load the vehicle.

(5) **Beverage semitrailer.** (i) A beverage semitrailer is specialized equipment if it has an upper coupler plate that extends beyond the front of the semitrailer, but not beyond its swing radius, as measured from the center line of the kingpin to a front corner of the semitrailer, which cannot be used for carrying cargo other than the structure of the semitrailer, and with the center line of the kingpin not more than 28 feet from the rear of the semitrailer (exclusive of rear-mounted devices not measured in determining semitrailer length). No State shall impose an overall length limit on such vehicles when operating in a truck tractor-beverage semitrailer or truck tractor-beverage semitrailer-beverage trailer combination on the NN.

(ii) The beverage trailer referred to in paragraph (e)(5)(i) of this section means a beverage semitrailer and converter dolly. Converter dolly has the same meaning as in 49 CFR 393.5.

(iii) Truck tractor-beverage semitrailer combinations shall have the same access to points of loading and unloading as 28-foot semitrailers (28.5-foot where allowed by §658.13) in 23 CFR 658.19.

(6) **Munitions carriers using dromedary equipment.** A truck tractor equipped with a dromedary unit operating in combination with a semitrailer is considered to be specialized equipment, providing the combination is transporting Class 1 explosives and/or any munitions related security material as specified by the U.S. Department of Defense in compliance with 49 CFR 177.835. No State shall impose an overall length limitation of less than 75 feet on the combination while in operation.

(f) A truck tractor containing a dromedary box, deck, or plate in legal operation on December 1, 1982, shall be permitted to continue to operate, notwithstanding its cargo carrying capacity, throughout its useful life. Proof of such legal operation on December 1, 1982, shall rest upon the operator of the equipment.

(g) No State shall impose a limitation of less than 46 feet on the distance from the kingpin to the center of the rear axle on trailers or semitrailers used exclusively or primarily to transport vehicles in connection with motorsports competition events.

(h) Truck-tractors, pulling 2 trailers or semitrailers, used to transport custom harvester equipment during harvest months within the State of Nebraska may not exceed 81 feet 6 inches.

[49 FR 23315, June 5, 1984, as amended at 53 FR 2597, 2599, Jan. 29, 1988; 53 FR 25485, July 7, 1988; 53 FR 48636, Dec. 2, 1988; 55 FR 4998, Feb. 13, 1990; 55 FR 32399, Aug. 9, 1990; 59 FR 30419, June 13, 1994; 62 FR 10181, Mar. 5, 1997; 72 FR 7748, Feb. 20, 2007]

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§658.15 Width.

(a) No State shall impose a width limitation of more or less than 102 inches, or its approximate metric equivalent, 2.6 meters (102.36 inches) on a vehicle operating on the National Network, except for the State of Hawaii, which is allowed to keep the State's 108-inch width maximum by virtue of section 416(a) of the STAA.

(b) The provisions of paragraph (a) of this section do not apply to special mobile equipment as defined in §658.5

(c) Notwithstanding the provisions of this section or any other provision of law, a State may grant special use permits to motor vehicles, including manufactured housing, that exceed 102 inches in width.

[67 FR 15110, Mar. 29, 2002; 72 FR 7748, Feb. 20, 2007]

§658.16 Exclusions from length and width determinations.

(a) Vehicle components not excluded by law or regulation shall be included in the measurement of the length and width of commercial motor vehicles.

(b) The following shall be excluded from either the measured length or width of commercial motor vehicles, as applicable:

(1) Rear view mirrors, turn signal lamps, handholds for cab entry/egress, splash and spray suppressant devices, load induced tire bulge;

(2) All non-property-carrying devices, or components thereof—

(i) At the front of a semitrailer or trailer, or

(ii) That do not extend more than 3 inches beyond each side or the rear of the vehicle, or

(iii) That do not extend more than 24 inches beyond the rear of the vehicle and are needed for loading or unloading, or

(vi) Listed in appendix D to this part;

(3) Resilient bumpers that do not extend more than 6 inches beyond the front or rear of the vehicle;

(4) Aerodynamic devices that extend a maximum of 5 feet beyond the rear of the vehicle, provided such devices have neither the strength, rigidity nor mass to damage a vehicle, or injure a passenger in a vehicle, that strikes a trailer so equipped from the rear, and provided also that they do not obscure tail lamps, turn signals, marker lamps, identification lamps, or any other required safety devices, such as hazardous materials placards or conspicuity markings; and

(5) A fixed step up to 3 inches deep at the front of an existing automobile transporter until April 29, 2005. It will be the responsibility of the operator of the unit to prove that the step existed prior to April 29, 2002. Such proof can be in the form of a work order for equipment modification, a receipt for purchase and installation of the piece, or any similar type of documentation. However, after April 29, 2005, the step shall no longer be excluded from a vehicle's length.

(c) Each exclusion allowance is specific and may not be combined with other excluded devices.

(d) Measurements are to be made from a point on one side or end of a commercial motor vehicle to the same point on the opposite side or end of the vehicle.

[67 FR 15110, Mar. 29, 2002]

§658.17 Weight.

(a) The provisions of the section are applicable to the National System of Interstate and Defense Highways and reasonable access thereto.

(b) The maximum gross vehicle weight shall be 80,000 pounds except where lower gross vehicle weight is dictated by the bridge formula.

(c) The maximum gross weight upon any one axle, including any one axle of a group of axles, or a vehicle is 20,000 pounds.

(d) The maximum gross weight on tandem axles is 34,000 pounds.

(e) No vehicle or combination of vehicles shall be moved or operated on any Interstate highway when the gross weight on two or more consecutive axles exceeds the limitations prescribed by the following formula, referred to as the Bridge Gross Weight Formula:

$$W = \left(\frac{LN}{N-1} + 12N + 36 \right)$$

except that two consecutive sets of tandem axles may carry a gross load of 34,000 pounds each if the overall distance between the first and last axle is 36 feet or more. In no case shall the total gross weight of a vehicle exceed 80,000 pounds.

(f) Except as provided herein, States may not enforce on the Interstate System vehicle weight limits of less than 20,000 pounds on a single axle, 34,000 pounds on a tandem axle, or the weights derived from the Bridge Formula, up to a maximum of 80,000 pounds, including all enforcement tolerances. States may not limit tire loads to less than 500 pounds per inch of tire or tread width, except that such limits may not be applied to tires on the steering axle. States may not limit steering axle weights to less than 20,000 pounds or the axle rating established by the manufacturer, whichever is lower.

(g) The weights in paragraphs (b), (c), (d), and (e) of this section shall be inclusive of all tolerances, enforcement or otherwise, with the exception of a scale allowance factor when using portable scales (wheel-load weighers). The current accuracy of such sales is generally within 2 or 3 percent of actual weight, but in no case shall an allowance in excess of 5 percent be applied. Penalty or fine schedules which impose no fine up to a specified threshold, i.e., 1,000 pounds, will be considered as tolerance provisions not authorized by 23 U.S.C. 127.

(h) States may issue special permits without regard to the axle, gross, or Federal Bridge Formula requirements for non-divisible vehicles or loads.

(i) The provisions of paragraphs (b), (c), and (d) of this section shall not apply to single-, or tandem- axle weights, or gross weights legally authorized under State law on July 1, 1956. The group of axles requirements established in this section shall not apply to vehicles legally grandfathered under State groups of axles tables or formulas on January 4, 1975. Grandfathered weight limits are vested on the date specified by Congress and remain available to a State even if it chooses to adopt a lower weight limit for a time.

(j) The provisions of paragraphs (c) through (e) of this section shall not apply to the operation on Interstate Route 68 in Allegany and Garrett Counties, Maryland, of any specialized vehicle equipped with a steering axle and a tridem axle and used for hauling coal, logs, and pulpwood if such vehicle is of a type of vehicle as was operating in such counties on U.S. Routes 40 or 48 for such purposes on August 1, 1991.

(k) Any over-the-road bus, or any vehicle which is regularly and exclusively used as an intrastate public agency transit passenger bus, is excluded from the axle weight limits in paragraphs (c) through (e) of this section until October 1, 2009. Any State that has enforced, in the period beginning October 6, 1992, and ending November 30, 2005, a single axle weight limitation of 20,000 pounds or greater but less than 24,000 pounds may not enforce a single axle weight limit on these vehicles of less than 24,000 lbs.

(l) The provisions of paragraphs (b) through (e) of this section shall not apply to the operation, on the 104 mile portion of I-39 between I- 90/94 near Portage, Wisconsin, and Wisconsin State Route 29 south of Wausau, Wisconsin, of any vehicle that could legally operate on this highway section before November 28, 1995.

(m) The provisions of paragraphs (b) through (e) of this section shall not apply to the operation, on I-99 between Bedford and Bald Eagle, Pennsylvania, of any vehicle that could legally operate on this highway section before December 29, 1995.

(n) Any vehicle subject to this subpart that utilizes an auxiliary power or idle reduction technology unit in order to promote

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reduction of fuel use and emissions because of engine idling, may be allowed up to an additional 400 lbs. total in gross, axle, tandem, or bridge formula weight limits.

(1) To be eligible for this exception, the operator of the vehicle must be able to prove:

(i) By written certification, the weight of the APU; and
(ii) By demonstration or certification, that the idle reduction technology is fully functional at all times.

(2) Certification of the weight of the APU must be available to law enforcement officers if the vehicle is found in violation of applicable weight laws. The additional weight allowed cannot exceed 400 lbs. or the weight certified, whichever is less.

[49 FR 23315, June 5, 1984, as amended at 59 FR 30420, June 13, 1994; 60 FR 15214, Mar. 22, 1995; 62 FR 10181, Mar. 5, 1997; 72 FR 7748, Feb. 20, 2007]

§658.19 Reasonable access.

(a) No State may enact or enforce any law denying reasonable access to vehicles with dimensions authorized by the STAA between the NN and terminals and facilities for food, fuel, repairs, and rest. In addition, no State may enact or enforce any law denying reasonable access between the NN and points of loading and unloading to household goods carriers, motor carriers of passengers, and any truck tractor-semitrailer combination in which the semitrailer has a length not to exceed 28 feet (28.5 feet where allowed pursuant to §658.13(b)(5) of this part) and which generally operates as part of a vehicle combination described in §§658.13(b)(5) and 658.15(a) of this part.

(b) All States shall make available to commercial motor vehicle operators information regarding their reasonable access provisions to and from the National Network.

(c) Nothing in this section shall be construed as preventing any State or local government from imposing any reasonable restriction, based on safety considerations, on access to points of loading and unloading by any truck tractor-semi-trailer combination in which the semitrailer has a length not to exceed 28½ feet and which generally operates as part of a vehicle combination described in §§658.13(b)(5) and 658.15(a).

(d) No State may enact or enforce any law denying access within 1 road-mile from the National Network using the most reasonable and practicable route available except for specific safety reasons on individual routes.

(e) Approval of access for specific vehicles on any individual route applies to all vehicles of the same type regardless of ownership. Distinctions between vehicle types shall be based only on significant, substantial differences in their operating characteristics.

(f) Blanket restrictions on 102-inch wide vehicles may not be imposed.

(g) Vehicle dimension limits shall not be more restrictive than Federal requirements.

(h) States shall ensure compliance with the requirements of this section for roads under the jurisdiction of local units of government.

(i)(1) Except in those States in which State law authorizes the operation of STAA-dimensioned vehicles on all public roads and highways, all States shall have an access review process that provides for the review of requests for access from the National Network.

(2) State access review processes shall provide for:

(i) One or more of the following:

(A) An analysis of the proposed access routes using observations or other data obtained from the operation of test vehicles over the routes;

(B) An analysis of the proposed access routes by application of vehicle templates to plans of the routes;

(C) A general provision for allowing access, without requiring a request, for commercial motor vehicles with semi-trailers with a kingpin distance of 41 feet or less (measured from the kingpin to the center of the rear axle, if single, or the center of a group of rear axles). State safety analyses may be conducted on indi-

vidual routes if warranted; and

(ii) All of the following:

(A) The denial of access to terminals and services only on the basis of safety and engineering analysis of the access route.

(B) The automatic approval of an access request if not acted upon within 90 days of receipt by the State. This provision shall become effective no later than 12 months following the effective date of this rule unless an extension is requested by the State and approved by FHWA.

(C) The denial of access for any 102-inch wide vehicles only on the basis of the characteristics of specific routes, in particular significant deficiencies in lane width.

(j)(1) Each State shall submit its access provisions to FHWA for approval within 6 months after June 1, 1990. In those States in which State law authorizes the operation of STAA-dimensioned vehicles on all public roads and highways, no submission or approval under this paragraph is required. If, in the future, such a State changes its authorizing legislation and restricts the operation of STAA-dimensioned vehicles, then compliance with these provisions will be necessary.

(2) The FHWA will review the access provisions as submitted by each State subject to the provisions in paragraph (j)(1) and approve those that are in compliance with the requirements of this section. The FHWA may, at a State's request, approve State provisions that differ from the requirements of this section if FHWA determines that they provide reasonable access for STAA-dimensioned vehicles and do not impose an unreasonable burden on motor freight carriers, shippers and receivers and service facility operators.

(3) Any State that does not have FHWA approved access provisions in effect within 1 year after June 1, 1990 shall follow the requirements and the criteria set forth in this section and section 658.5 and 658.19 for determining access for STAA-dimensioned vehicles to terminals and services. The FHWA may approve a State's request for a time extension if it is received by FHWA at least 1 month before the end of the 1 year period.

[53 FR 12149, Apr. 13, 1988, as amended at 55 FR 22763, June 1, 1990]

§658.21 Identification of National Network.

(a) To identify the National Network, a State may sign the routes or provide maps of lists of highways describing the National Network.

(b) Exceptional local conditions on the National Network shall be signed. All signs shall conform to the Manual on Uniform Traffic Control Devices. Exceptional conditions shall include but not be limited to:

(1) Operational restrictions designed to maximize the efficiency of the total traffic flow, such as time of day prohibitions, or lane use controls.

(2) Geometric and structural restrictions, such as vertical clearances, posted weight limits on bridges, or restrictions caused by construction operations.

(3) Detours from urban Interstate routes to bypass of circumferential routes for commercial motor vehicles not destined for the urban area to be bypassed.

§658.23 LCV freeze; cargo-carrying unit freeze.

(a)(1) Except as otherwise provided in this section and except for tow trucks with vehicles in tow, a State may allow the operation of LCVs on the Interstate System only as listed in Appendix C.

(2) Except as otherwise provided in this section, a State may not allow the operation on the NN of any CMV combination with two or more cargo-carrying units (not including the truck tractor) whose cargo-carrying units exceed:

(i) The maximum combination trailer, semitrailer, or other type of length limitation authorized by State law or regulation of that State on or before June 1, 1991; or

(ii) The length of the cargo-carrying units of those CMV combinations, by specific configuration, in actual, lawful operation

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on a regular or periodic basis (including continuing seasonal operation) in that State on or before June 1, 1991, as listed in Appendix C.

(b) Notwithstanding paragraph (a)(2) of this section, the following CMV combinations with two or more cargo-carrying units may operate on the NN.

(1) Truck tractor-semitrailer-trailer and truck tractor-semitrailer-semitrailer combinations with a maximum length of the individual cargo units of 28.5 feet or less.

(2) Vehicles described in §658.13(e) and (g).

(3) Truck-trailer and truck-semitrailer combinations with an overall length of 65 feet or less.

(4) Maxi-cubes.

(5) Tow trucks with vehicles in tow.

(c) For specific safety purposes and road construction, a State may make minor adjustments of a temporary and emergency nature to route designation and vehicle operating restrictions applicable to combinations subject to 23 U.S.C. 127(d) and 49 U.S.C. 31112 and in effect on June 1, 1991 (July 6, 1991, for Alaska). Minor adjustments which last 30 days or less may be made without notifying the FHWA. Minor adjustments which exceed 30 days require approval of the FHWA. When such adjustments are needed, a State must submit to the FHWA, by the end of the 30th day, a written description of the emergency, the date on which it began, and the date on which it is expected to conclude. If the adjustment involves alternate route designations, the State shall describe the new route on which vehicles otherwise subject to the freeze imposed by 23 U.S.C. 127(d) and 49 U.S.C. 31112 are allowed to operate. To the extent possible, the geometric and pavement design characteristics of the alternate route should be equivalent to those of the highway section which is temporarily unavailable. If the adjustment involves vehicle operating restrictions, the State shall list the restrictions that have been removed or modified. If the adjustment is approved, the FHWA will publish the notice of adjustment, with an expiration date, in the *Federal Register*. Requests for extension of time beyond the originally established conclusion date shall be subject to the same approval and publications process as the original request. If upon consultation with the FHWA a decision is reached that minor adjustments made by a State are not legitimately attributable to road or bridge construction or safety, the FHWA will inform the State, and the original conditions of the freeze must be reimposed immediately. Failure to do so may subject the State to a penalty pursuant to 23 U.S.C. 141.

(d) A State may issue a permit authorizing a CMV to transport an overlength nondivisible load on two or more cargo-carrying units on the NN without regard to the restrictions in §658.23(a)(2).

(e) States further restricting or prohibiting the operation of vehicles subject to 23 U.S.C. 127(d) and 49 U.S.C. 31112 after June 1, 1991, shall notify the FHWA within 30 days after the restriction is effective. The FHWA will publish the restriction in the *Federal Register* as an amendment to appendix C to this part. Failure to provide such notification may subject the State to a penalty pursuant to 23 U.S.C. 141.

(f) The Federal Highway Administrator, on his or her own motion or upon a request by any person (including a State), shall review the information set forth in Appendix C to this part. If the Administrator determines there is cause to believe that a mistake was made in the accuracy of the information contained in Appendix C, the Administrator shall commence a proceeding to determine whether the information published should be corrected. If the Administrator determines that there is a mistake in the accuracy of the information contained in Appendix C, the Administrator shall publish in the *Federal Register* the appropriate corrections to reflect that determination.

[72 FR 7748, Feb. 20, 2007]

APPENDIX A TO PART 658 — NATIONAL NETWORK — FEDERALLY-DESIGNATED ROUTES

[The federally-designated routes on the National Network consist of the Interstate System, except as noted, and the following additional highways]

Route	From	To
Alabama		
US 43	I-65 N. of Mobile	Sunflower.
US 43	AL 5 near Russellville	TN State Line.
US 72	MS State Line	CR 33 Hollywood.
US 72 Alt ...	US 72 Tuscumbia	US 72/231/431 Huntsville.
US 78	End of 4-lane W. of AL 5 Jasper	I-59 Birmingham.
US 80	AL 14 W. Int. Selma	US 82 Montgomery.
US 82	Coker W. of I-59	Eoline W. of AL 5.
US 82	AL 206 Prattville	US 231 N. Int. Montgomery.
US 84	AL 92 E. of Daleville (via AL 210 Dothan Cir.)	End of 4-lane E. of Dothan.
US 98	I-10 Daphne	End of 4-lane near Fairhope.
US 231	FL State Line (via AL 210 Dothan Circle.)	End of 4-lane N. of Wetumpka.
US 231	Arab	TN State Line.
US 280	US 31 Mountain Brook	AL 22 Alexander City.
US 280	I-85 Opelika	GA State Line Phenix City.
US 431	AL 210 Dothan	AL 173 Headland.
US 431	I-20 Anniston	AL 79 N. Int. Columbus City (via I-59 — AL 77 Gadsden).
US 431	CR 8 New Hope	TN State Line.
AL 21	US 31 Atmore	I-65 N. of Atmore.
AL 21	US 431 Anniston	Jacksonville.
AL 67	I-65 Priceville	US 72 Alt. W. of Decatur.
AL 79	I-59 Birmingham	Pinson.
AL 152	US 231 N. Int. Montgomery	I-65 N. Int. Montgomery.
AL 210	Dothan Circle (Beltway)	
AL 248	US 84 Enterprise	Ft. Rucker.
AL 249	Ft. Rucker	US 231.
Alaska		
AK 1	Potter Weigh Station Anchorage	AK 3 Palmer.
AK 2	AK 3 Fairbanks	Milepost 1412 Delta Junction.
AK 3	AK 1 Palmer	AK 2 Fairbanks.
Note: Routes added to the Interstate System under 23 U.S.C. 139(c) are included only to the extent designated above.		
Arizona		
US 60	I-10 Brenda	I-17 Phoenix.
US 60	AZ 87 Mesa	AZ 70 Globe.
US 60	AZ 260 E. Int. Show Low	NM State Line.
US 64	US 160 Teec Nos Pos	NM State Line.
US 70	US 60 Globe	NM State Line.
US 80	AZ 92 Bisbee	NM State Line.
US 89	I-10 Tucson	US 60 Florence Junction.
US 89	AZ 69 Prescott	I-40 Ash Fork.

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[The federally-designated routes on the National Network consist of the Interstate System, except as noted, and the following additional highways], Continued

Route	From	To
US 89	I-40 Flagstaff	UT State Line.
US 95	Mexican Border	I-8 Yuma.
US 160	US 89 Tuba City	NM State Line.
US 163	US 160 Kayenta	UT State Line.
US 666	I-10 Bowie	US 70 Safford.
US 666	US 60 Springerville	I-40 Sanders.
US 666	Mexican Border	US 80 Douglas.
AZ 69.....	US 89 Prescott	I-17 Cordes Junction.
AZ 77.....	US 60 Show Low	I-40 Holbrook.
AZ 84.....	I-10 Picacho	AZ 87 E. of Eloy.
AZ 87.....	AZ 84 E. of Eloy	AZ 387 W. of Coolidge.
AZ 87.....	AZ 587 Chandler	US 60 Mesa.
AZ 90.....	I-10 Benson	AZ 92 Sierra Vista.
AZ 169	AZ 69 Dewey	I-17 S. of Camp Verde.
AZ 189	Mexican Border	I-19 Nogales.
AZ 287	AZ 87 Coolidge	US 89 Florence.
AZ 360	I-10 Phoenix	AZ 87 Mesa.
AZ 387	I-10 Exit 185	AZ 87 W. of Coolidge.
AZ 587 (Old AZ 93).....	I-10 Exit 175	AZ 87 Chandler.

Arkansas

No additional routes have been federally designated; under State law STAA-dimensioned commercial vehicles may legally operate on all highways which, prior to June 1, 1991, were designated as Federal-aid primary highways.

California

I-80 Bus. Loop (US 50 - CA 51)	I-80 W. Sacramento	I-80 near Watt Ave., Sacramento.
US 6.....	US 395 Bishop	NV State Line.
US 50	I-80 W. of Sacramento	Sly Park Rd. Pollock Pines.
US 95	I-40 near Needles	NV State Line.
US 101	I-5 Los Angeles	I-80 San Francisco.
US 395	I-15 S. of Victorville	NV State Line.
CA 2.....	I-5	I-210 Los Angeles.
CA 10 (San Bern. Fwy.)	US 101	I-5 Los Angeles.
CA 14.....	I-5 near San Fernando	US 395 Ridgecrest.
CA 15.....	I-5	I-805 San Diego.
CA 22.....	I-405 Seal Beach	CA 55 Orange.
CA 24.....	I-580 Oakland	I-680 Walnut Creek.
CA 52.....	I-5	I-805 San Diego.
CA 55.....	I-405 Costa Mesa	CA 91 Anaheim.
CA 57.....	I-5 Santa Ana	I-210 Pomona.
CA 58.....	CA 99 Bakersfield	I-15 Barstow.
CA 60.....	I-10 Los Angeles	I-10 Beaumont.
CA 71.....	I-210	CA 60 Pomona.
CA 78.....	I-5 Carlsbad	I-15 Escondido.
CA 85.....	I-280 near San Jose	CA 101 Mountain View.
CA 91.....	I-110 Los Angeles	I-215/CA 60 Riverside.
CA 92.....	I-280 San Mateo	I-880 Hayward.
CA 94.....	I-5	CA 125 San Diego.

[The federally-designated routes on the National Network consist of the Interstate System, except as noted, and the following additional highways], Continued

Route	From	To
CA 99.....	I-5 Wheeler Ridge	I-80 Bus. Loop/US 50 Sacramento.
CA 110	I-10	US 101 Los Angeles.
CA 118	I-405 Los Angeles	I-210 San Fernando.
CA 125	CA 94	I-8 La Mesa.
CA 133	I-405	I-5 near El Toro.
CA 134	US 101 Los Angeles	I-210 Pasadena.
CA 163	I-8	I-15 San Diego.
CA 170	US 101	I-5 Los Angeles.
CA 198	I-5 Coalinga	CA 99 Visalia.
CA 215	I-15 N. of Temecula	CA 60 Riverside.
CA 905 (Old CA 117).....	I-5	I-805 San Diego.

Note: I-580 Oakland — All vehicles over 4½ tons (except passenger buses and stages) are prohibited on MacArthur Freeway between Grand Ave. and the north city limits of San Leandro. (Excepted under 23 CFR 658.11(f)).

Colorado

No additional routes have been federally designated; under State law STAA-dimensioned commercial vehicles may legally operate on all highways which, prior to June 1, 1991, were designated as Federal-aid primary highways.

Connecticut

CT 2.....	Columbus Blvd. Hartford	I-395 Norwich.
CT 8.....	I-95 Bridgeport	US 44 Winsted.
CT 9.....	I-95 Old Saybrook	I-91 Cromwell.
CT 20.....	CT 401 Bradley Intl. Airport, Windsor Locks	I-91 Windsor.
CT 401	CT 20 Windsor Locks	Bradley Intl. Airport Access Rd., Windsor Lks.

Delaware

US 13	MD State Line	I-495 S. Int. Wilmington.
US 40	MD State Line	I-295/US 13 Wilmington.
US 113	MD State Line	US 13 Dover.
US 301	MD State Line	I-295/US 13 Wilmington.

District of Columbia

Anacostia Fwy/Ken. Ave	I-295	MD State Line Cheverly MD
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Note: I-66 — There is a 24 hour total truck ban on the Theodore Roosevelt Memorial Bridge and its approaches. (Excepted under 23 CFR 658.11(f).)

Florida

US 27	FL Turnpike Ext	FL 84 Andytown.
US 27	South Bay	I-75 Ocala.
US 301	SR 24 Waldo	I-10.
FL 24	SR 331 Gainesville	US 301 Waldo.
FL 85	FL 397 Valparaiso	I-10 near Crestview.
FL 202.....	I-95 Jacksonville	FL A-1-A.
FL 263.....	US 90 W. of Tallahassee	I-10.
FL 331.....	I-75 S. of Gainesville	FL 24.
FL 397.....	Entrance Eglin AFB	FL 85 Valparaiso.
FL 528 - FL 407	I-4 Orlando	Cape Canaveral.

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[The federally-designated routes on the National Network consist of the Interstate System, except as noted, and the following additional highways], Continued

Route	From	To
20th St. Expwy	1-95 Jacksonville	Adams St. near Matthews Bridge.
FL Turnpike	S. End of Homestead Extension	I-75 Wildwood.
Georgia		
US 19	FL State Line	US 82 Albany
US 23/GA 365	I-985 near Gainesville	US 441 near Cornelia.
US 25	I-16	N. of Statesboro.
US 27	GA 53 Rome	US 278 Cedartown.
US 27	FL State Line	GA 38 Bainbridge.
US 27 Alt./GA 85	I-185 Columbus	Ellerslie.
US 29	US 78 W. Int.	US 129/441 E. Int. Athens.
US 41	I-75 W. of Morrow	Near Barnsville.
US 41	GA 5 Connector	Count Road 633 Emerson.
US 76	I-75 Dalton	US 411 Chatsworth.
US 78 - US 29	GA 138 Monroe	US 29 W. Int. Athens.
US 78/GA 410	Valleybrook Rd. Scottsdale	GA 10 Stone Mountain.
US 78/GA 10	Stone Mountain Freeway	Monroe Bypass.
US 80/GA 22	AL State Line	GA 85 Columbus.
US 82/GA 520	Dawson	I-95 Exit 6 Brunswick.
US 84/GA 38	Alabama State Line	I-75.
US 84/GA 38	GA 520 Waycross	GA 32 Patterson.
US 129	I-16	Gray.
US 129	GA 247 Connector Warner Robins	I-75 Macon.
US 129/GA 11	I-85	I-985
US 280/GA 520	Alabama State Line	Dawson.
US 319/GA 35	US 19/GA 300 Thomasville	US 82/GA 520 Tifton.
US 411 - US 41	US 27 Rome	I-75 Near Emerson.
US 441/GA 31	US 82/GA 520 Pearson	GA 135 Douglas.
US 441/GA 24	I-20	GA 22 Milledgeville.
US 441/GA 15	Athens Bypass	I-85.
GA 2.....	US 27 Fort Oglethorpe	I-75.
GA 5 Connector	I-75	US 41.
GA 6.....	I-20	GA 6 Bypass near Dallas.
GA 6 Bypass	E. of Dallas	W. of Dallas
GA 10 Loop	E. and S. Bypass in Athens	

[The federally-designated routes on the National Network consist of the Interstate System, except as noted, and the following additional highways], Continued

Route	From	To
GA 14 Spur	US 29/Welch All Road	I-85/285 S. Int. Atlanta.
GA 21	1-95 Monteith	GA 204 Savannah.
GA 25	GA 520	GA 25 Spur.
GA 25 Spur	US 17 N. of Brunswick Brunswick	I-95 Exit 8.
GA 53	Rome	I-75 Calhoun.
GA 61	I-20	GA 166 near Carrollton.
GA 85	Fayetteville	I-75.
GA 138	I-20 Conyers	US 78 Monroe.
GA 166	GA 61	End of 4-lane section of W. GA 1 Carrollton.
GA 247C ...	I-75	GA 247 Warner Robins.
GA 300	US 82 Albany	I-75 near Cordele.
GA 316	I-85	US 29.
GA 400	I-285 near Atlanta	GA 60.
GA 515	I-575	Blairsville.
GA 520	I-95	GA 25.
<p>Note: Atlanta area — Interstate highways within the I-285 beltway are not available to through trucks with more than 6 wheels because of construction.</p>		
Hawaii		
HI 61	HI 98 (Vineyard Boulevard)	Kawainui Bridge Kailua.
HI 63	HI 92 (Nimitz Hwy.)	HI 83 (Kahekili Hwy.).
HI 64	Sand Island Park	HI 92 (Nimitz Hwy.).
HI 72	61 Kailua/Waimanalo Junction	Ainakoa.
HI 78	H-1 Middle St	HI 99 (Kamehameha Hwy.) Aiea.
HI 83	HI 99 Weed Junction	HI 61 (Kalaniana'ole Hwy.).
HI 92	Pearl Harbor/Main Gate	Kalakaua Avenue.
HI 93	Beginning of H-1	Makaha Bridge.
HI 95	H-1	Barbers Point Harbor.
HI 99	Pearl Harbor Int.	HI 83 Weed Junction.
Idaho		
I-15B	I-15/US 26 S. of Idaho Falls	US 26 N. Int. Idaho Falls.
US 2.....	Dover	US 95 Sandpoint.
US 2.....	US 95 Bonners Ferry	MT State Line.
US 20/26 ...	OR State Line	I-84 W. Caldwell Int. Caldwell
US 20	I-84 Mountain Home	MT State Line.
US 26	I-84 Bliss	I-15 Blackfoot.
US 30	US 95 Fruitland	ID 72 New Plymouth.
US 30	I-15 McCammon	WY State Line.
US 89	UT State Line	US 30 Montpelier.
US 91	UT State Line	I-15 Virginia.
US 93	NV State Line	Arco.
US 95	OR State Line S. of Marsing	OR State Line Weiser (via US 95 Spur).
US 95	Grangeville	Moscow.
US 95	I-90 Coeur D'Alene	US 2 Bonners Ferry.
ID 16	ID 44 Star	Emmett.
ID 28	ID 33 Mud Lake	US 93 Salmon.

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[The federally-designated routes on the National Network consist of the Interstate System, except as noted, and the following additional highways], Continued

Route	From	To
ID 33	ID 28 Mud Lake	US 20 Rexburg
ID 44	I-84 Caldwell	ID 55 Eagle.
ID 51	NV State Line	I-84 Mountain Home.
ID 53	WA State Line	US 95 Garwood.
ID 55	US 95 Marsing	I-84 Nampa.
ID 55	US 20/26 S. of Eagle	ID 44 Eagle.
ID 75	US 93 Shoshone	Ketchum.
ID 87	US 20 N. of Macks Inn	MT State Line.

Illinois

US 20	US 20 BR W. of Rockford	I-39 Rockford.
US 36	IL 100 NW. of Winchester	I-55 Springfield.
US 50	US 50 BR E. of Lawrenceville	IN State Line.
US 51	US 51 BR S. of Decatur	I-72 Decatur.
US 67	IL 92 Rock Island	IA State Line.
IL 6	I-74/474 Peoria	IL 88 N. of Peoria.
IL 53	Army Trail Rd. Addison	IL 68 Arlington Heights.
IL 92	I-280 Rock Island	US 67 Rock Island.
IL 336	IL 57 Fall Creek	US 24 NE. of Quincy.
IL 394	IL 1 Goodenow	I-80/94/294 S. Holland.
IL Toll Hwys	All Routes	

Indiana

No additional routes have been federally designated; under State law STAA-dimensioned commercial vehicles may legally operate on all highways which, prior to June 1, 1991, were designated as Federal-aid primary highways.

Iowa

Note: Iowa State law allows STAA-dimensioned vehicles to operate on all highways in the State. The routes shown below were incorporated into the NN by the FHWA in 1984.

US 6	NE State Line	I-80 Council Bluffs.
US 6	IA 48 Lewis	I-80 N. of Wilton.
US 6	IA 130 Davenport	I-74.
US 18	WCL Rock Valley	WI State Line.
US 20	I-29 Sioux City	IL State Line.
US 30	Missouri River Bridge (NE)	IL State Line Clinton.
US 34	Missouri River Bridge (NE)	IL State Line Burlington.
US 52	US 61 Dubuque	IA 386 N. Int. Sageville.
US 52	IA 3 Luxemburg	US 18 E. Int.
US 52	ECL Calmar	Burr Oak.
US 59	IA 2 Shenandoah	IA 184.
US 59	IA 92 Carson	US 6 N. Int.
US 59	IA 83 Avoca	US 30 Denison.
US 59	US 20 Holstein	IA 3.
US 59	IA 10 E. Int. W. of Sutherland	US 18 Sanborn.
US 61	Des Moines River Bridge (MO) Keokuk	WI State Line.
US 63	MO State Line	IA 146 New Sharon.
US 63	I-80 Malcom	NCL Chester.
US 65	US 34 N. Int. Lucas	IA 117/330.

[The federally-designated routes on the National Network consist of the Interstate System, except as noted, and the following additional highways], Continued

Route	From	To
US 65	US 30 Colo	Sheffield.
US 65	SCL Mason City	IA 105 Northwood.
US 67	IL State Line Davenport	4.64 Miles N. of Clinton.
US 69	SCL Lamoni	I-35.
US 69	US 6/65 Des Moines	IA 105 Lake Mills.
US 71	MO State Line	IA 196 Ulmer.
US 71	US 20 Early	MN State Line.
US 75	I-29 N. Int. Sioux City	IA 9 E. Int.
US 77	NE State Line	I-29 Sioux City.
US 136	Des Moines River Bridge (MO)	Mississippi River Bridge Keokuk.
US 151	I-80 E. of Williamsburg	US 61 S. Int.
US 169	SCL Arispe	IA 92 Winterset.
US 169	SCL Desoto	I-80.
US 169	US 6 Adel	IA 141 Perry.
US 169	US 30 Beaver	IA 3.
US 169	US 18 Algona	IA 9 W. Int. Swea City.
US 218	US 136 Keokuk	IA 92 Ainsworth.
US 218	IA 22 Riverside	IA 227.
IA 1	IA 16 N. Int	IA 78 W. Int. Richland.
IA 1	IA 92 N. Int	IA 22 Kalona.
IA 1	US 6/218 N. Int. Iowa City	I-80 Iowa City.
IA 1	SCL Martelle	US 151.
IA 2	NE State Line	IA 25 W. of Mt. Ayr.
IA 2	Decatur Co. Line	Mississippi River Bridge (IL) Ft. Madison.
IA 3	SD State Line	IA 12 N. Int. Akron.
IA 3	US 75 Le Mars	IA 7.
IA 3	IA 17 E. Int. Goldfield	IA 13 W. Int.
IA 4	IA 3 Pocahontas	US 18 E. Int.
IA 4	SCL Wallingford	IA 9 Estherville.
IA 5	IA 2 Centerville	I-35.
IA 7	IA 3	US 71 N. Int. Storm Lake.
IA 7	Barnum	US 20 Fort Dodge.
IA 8	US 63 Traer	US 218.
IA 9	IA 60	IA 26 Lansing.
IA 10	US 59 E. Int	ECL Sutherland.
IA 12	US 20	NCL Sioux City.
IA 13	US 30 Bertram	US 52.
IA 14	IA 92/5	NCL Newton.
IA 14	US 30 Marshalltown	US 20 S. Int.
IA 15	US 18 Whittemore	IA 9 W. Int.
IA 16	NCL Eldon	IA 1 N. Int.
IA 16	Denmark	US 61 Wever.
IA 17	IA 141 Granger	IA 3 E. Int.
IA 21	SCL What Cheer	IA 412 Waterloo.
IA 22	WCL Wellman	IA 70 W. Int.
IA 23	US 63 Ottumwa	IA 137 Eddyville.
IA 25	IA 2	IA 92 Greenfield.
IA 25	IA 925 W. Int	IA 44 Guthrie Center.
IA 26	IA 9 Lansing	New Albin.

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[The federally-designated routes on the National Network consist of the Interstate System, except as noted, and the following additional highways], Continued

Route	From	To
IA 28.....	IA 92	US 6 Des Moines.
IA 31.....	SCL Correctionville	US 59.
IA 37.....	WCL Earling	US 59.
IA 38.....	US 61 Muscatine	I-80.
IA 38.....	SCL Tipton	US 30 E. Int.
IA 39.....	US 59 Denison	Deloit.
IA 44.....	US 71 Hamlin	IA 141.
IA 46.....	IA 5	IA 163 Des Moines.
IA 48.....	US 59 Shenandoah	NCL Essex.
IA 48.....	US 34 Red Oak	US 6.
IA 49.....	SCL Lenox	US 34.
IA 51.....	US 18 Postville	IA 9.
IA 55.....	Seymour	IA 2.
IA 60.....	US 75 Lemars	MN State Line.
IA 62.....	US 61 Maquoketa	US 52 Bellevue.
IA 64.....	US 151 Anamosa	US 61.
IA 70.....	Columbus City	IA 22 W. Int.
IA 77.....	IA 92	Keota.
IA 78.....	IA 149	IA 249 Winfield.
IA 78.....	WCL Morning Sun	US 61.
IA 83.....	S. of Walnut	US 6 Atlantic.
IA 85.....	US 63 Montezuma	IA 21.
IA 86.....	US 71	IA 9 Montgomery.
IA 92.....	NE State Line	IA 48 Griswold.
IA 92.....	WCL Fontanelle	IA 1 N. Int.
IA 92.....	IA 1 S. Int	Cotter.
IA 93.....	WCL Sumner	IA 150 Fayette.
IA 94.....	I-380 Cedar Rapids	Palo.
IA 96.....	Gladbrook	US 63 Traer.
IA 99.....	Toolesboro	US 61 Wapello.
IA 100.....	IA 151 Cedar Rapids	I-380.
IA 103.....	US 218	US 61 Fort Madison.
IA 105.....	US 69 Lake Mills	US 218 St. Ansgar.
IA 107.....	SCL Thornton	US 18 Clear Lake.
IA 110.....	US 20	IA 7 Storm Lake.
IA 111.....	US 18 Britt	Woden.
IA 117.....	IA 163 Prairie City	US 65.
IA 127.....	IA 183 S. Int	US 30 Logan.
IA 130.....	US 61/67 Davenport	I-80.
IA 133.....	US 30	Nevada.
IA 136.....	ECL Delmar	WCL Lost Nation.
IA 136.....	SCL Worthington	US 52/IA 3 Luxemburg.
IA 137.....	IA 5 Albia	IA 23.
IA 141.....	I-29	US 30/59 Denison.
IA 141.....	WCL Manning	US 169.
IA 141.....	IA 210 Woodward	I-35 Urbandale.
IA 144.....	IA 141 Perry	US 30 Grand Junction.
IA 145.....	I-29	ECL Thurman.
IA 146.....	US 63 New Sharon	Dunbar.
IA 148.....	IA 2 Bedford	US 34.
IA 148.....	IA 951 Carbon	I-80.
IA 149.....	US 63	IA 78 Martinsburg.

[The federally-designated routes on the National Network consist of the Interstate System, except as noted, and the following additional highways], Continued

Route	From	To
IA 149.....	SCL Williamsburg	I-80.
IA 150.....	US 218 Vinton	IA 283.
IA 150.....	US 20	US 18 West Union.
IA 150 (Old)	0 Center Point	IA 150.
IA 157.....	US 63	Lime Springs.
IA 160.....	US 69/IA 415	I-35 Ankeny.
IA 163.....	US 65 Des Moines	IA 92 Oskaloosa.
IA 173.....	IA 83 Atlantic	I-80.
IA 175.....	NE State Line	ECL Onawa.
IA 175.....	US 71 S. Int	ECL Lake City.
IA 175.....	Gowrie	ECL Dayton.
IA 175.....	WCL Stratford	ECL Radcliffe.
IA 175.....	US 65 N. Int	US 63 Voorhies.
IA 181.....	Melcher-Dallas	IA 5/92.
IA 183.....	IA 127 N. Int	NCL Pisgah.
IA 184.....	WCL Randolph	US 59.
IA 192.....	I-29/80	I-29 Council Bluffs.
IA 196.....	US 71	US 20 Sac City.
IA 210.....	IA 141	NCL Woodward.
IA 210.....	IA 17 N. Int	ECL Slater.
IA 215.....	Union	IA 175 Eldora.
IA 221.....	I-35	Roland.
IA 227.....	US 218	Stacyville.
IA 244.....	I-80	IA 191 Neola.
IA 249.....	IA 78	Winfield.
IA 272.....	Elma	US 63.
IA 273.....	WCL Drakesville	US 63.
IA 276.....	US 71	IA 327 Orleans.
IA 279.....	US 30	Atkins.
IA 281.....	WCL Fairbank	IA 150.
IA 283.....	Brandon	IA 150.
IA 287.....	US 30	Newhall.
IA 300.....	Modale	I-29.
IA 316.....	IA 5 Pleasantville	NCL Runnells.
IA 330.....	US 65	US 30 Marshalltown.
IA 363.....	IA 101	Urbana.
IA 401.....	US 6	Johnston.
IA 405.....	Lone Tree	IA 22.
IA 406.....	US 34	US 61 Burlington.
IA 415.....	US 6 Des Moines	IA 160.
IA 927.....	IA 38 Wilton	I-280 Davenport.
IA 928.....	US 20/IA 17	US 20 Williams.
IA 930.....	US 30	Ames.
IA 939.....	IA 150 Independence	IA 187.
IA 964.....	IA 5/92	IA 975/14 Knoxville.
IA 967.....	US 20	Farley.
IA 975.....	IA 5/92	IA 964/14 Knoxville.
University Ave	US 20 SW. of Cedar Falls	US 218 Cedar Falls.

Kansas

VEHICLE SIZES & WEIGHTS MANUAL

[The federally-designated routes on the National Network consist of the Interstate System, except as noted, and the following additional highways], Continued

Route	From	To
No additional routes have been federally designated; under State law STAA-dimensioned commercial vehicles may legally operate on all highways which, prior to June 1, 1991, were designated as Federal-aid primary highways.		
Kentucky		
I-471	US 27 Highland Heights	I-275/471 Interchange.
US 23 Connector	Virginia State Line	US 119 near Jenkins.
US 23	US 119 N. of Pikeville	S. end U.S. Grant Bridge South Portsmouth.
US 23 Spur	US 60 Ashland (via 13th St. Bridge)	OH State Line.
US 25/421	Int. US25/US 421 S. of Richmond	KY 876 Richmond.
US 25/421	KY 418 (via KY 4)	Nandino Blvd., Lexington.
US 25E	Virginia State Line	I-75 Exit 29 N. of Corbin.
US 27	Tennessee State Line (via KY 4 Lexington)	Ohio State Line.
US 31W	Tennessee State Line	KY 255 Park City.
US 31W	Byp US 31W N. of Elizabethtown	I-264 Exit 8 Louisville.
US 31W Byp	Western Kentucky Parkway Exit 136	US 31W N. of Elizabethtown.
US 41	Pennyrile Parkway Henderson	Indiana State Line.
US 41	Tennessee State Line	Pennyrile Parkway near SCL Hopkinsville.
US 45	Jackson Purchase Parkway N. of Mayfield	US 60 Paducah.
US 60	US 45 Paducah	Int. US 60/62 Paducah.
US 60	US 60 Byp W. of Owensboro	KY 69 Hawesville.
US 60	KY 144 Garrett	US 31W S. of Muldraugh.
US 60	Int. US 421/KY 676 Frankfort (via KY 4 Lexington)	I-75 Exit 110 Lexington.
US 60	KY 180 Cannonsburg	US 23 Ashland.
US 60 Byp.	US 60 W. of Owensboro	US 60 E. of Owensboro.
US 62	I-24 Exit 7 Paducah (via US 60 Paducah)	US 68.
US 62/68	Washington	Ohio State Line.
US 68	US 62	I-24 Exit 16.
US 68	I-24 Exit 65 E. of Cadiz (via US 41 Hopkinsville)	Green River Parkway Exit 5 Bowling Green.
US 68	US 27 Paris (via Paris Byp)	Int. US 62/68 Washington.
US 119	KY 15 E. of Whitesburg	US 23 near Jenkins.
US 119	US 25E S. of Pineville	US 421 Harlan.
US 119	US 23 N. of Pikeville	KY 1441.
US 127	KY 22 Owenton	KY 35 Bromley.
US 127	US 127 Byp. N. of Danville (via US 68 Harrods-burg)	US 60 Frankfort (via Lawrenceburg Byp.).
US 127 Byp	US 127 S. of Danville	US 127 N. of Danville.
US 127 Byp	US 127 S. of Lawrenceburg	US 127 N. of Lawrenceburg.

[The federally-designated routes on the National Network consist of the Interstate System, except as noted, and the following additional highways], Continued

Route	From	To
US 150	US 62 Bardstown (via US 68 Perryville, the Danville Byp, and the Stanford Byp).	US 27 N. of Stanford.
US 150 Byp	US 127 S. of Danville	US 150 E. of Danville.
US 150 Byp	US 150 N. of Stanford	US 27 N. of Stanford.
US 231	US 60 Byp. Owensboro	Indiana State Line.
US 421	0.1 Mile S. of Harlan Appalachian Regional Hospital	US 119.
US 421	Int. US 60/460 Frankfort	US 127 Wilkinson Blvd. Owenton Rd. Interchange Frankfort.
US 431	US 60 Byp. Owensboro	US 60 (4th St.) Owensboro.
US 460	I-64 Exit 110 N. of Mt. Sterling	KY 686 Mt. Sterling.
US 460	E. end Mountain Pkwy. Extension	US 23 W. of Paintsville.
US 641	Tennessee State Line	KY 348 Benton.
KY 4	US 27 S. Lexington	Entire Circle of Lexington.
KY 11	KY 3170 Lewisburg	US 62/68 Maysville.
KY 15	US 119 Whitesburg (via KY 7 Isom)	KY 15 Spur/KY 191 Campton.
KY 15 Spur	KY 15/191 Campton	Mountain Parkway Exit 43.
KY 21	I-75 Exit 76 W. of Berea	US 25 Berea.
KY 35	US 127 Bromley	I-71 Exit 57.
KY 55	Cumberland Parkway Exit 49 Columbia	US 150 Springfield.
KY 61	Peytonsburg	KY 90 Burkesville.
KY 69	US 60 Hawesville	Indiana State Line.
KY 70/90	I-65 Exit 53	US 31E Glasgow.
KY 79	KY 1051 Brandenburg	Indiana State Line.
KY 80	KY 80 Byp. E. of Somerset	US 25 N. of London.
KY 80	KY 15 N. of Hazard	US 23 Watergap.
KY 80/US 421	S. ramps Daniel Boone Parkway Exit 20	2nd Street Manchester.
KY 80 Byp.	US 27 Somerset	KY 80 E. of Somerset.
KY 90	KY 61 Burkesville	US 27 Burnside.
KY 114	US 460 E. of Salyersville	US 23/460 S. of Prestonsburg.
KY 118	Int. US 421/KY 80 Hyden	Daniel Boone Parkway Exit 44.
KY 144	KY 448	US 60 Garrett.

VEHICLE SIZES & WEIGHTS MANUAL

[The federally-designated routes on the National Network consist of the Interstate System, except as noted, and the following additional highways], Continued

Route	From	To
KY 151	US 127 N. of Lawrenceburg	I-64 Exit 48.
KY 180	I-64 Exit 185	Int. US 60/KY 180 Cannonsburg.
KY 192	I-75 Exit 38	Daniel Boone Parkway E. of London.
KY 259	Western Kentucky Parkway Exit 107	US 62 Leitchfield.
KY 418	US 25/421 Lexington	I-75 Exit 104.
KY 446	US 31W Bowling Green	I-65 Exit 28.
KY 448	KY 144	KY 1051 Brandenburg.
KY 555	US 150 Springfield	Blue Grass Parkway Exit 42.
KY 676	US 127 Frankfort	US 60/421 Frankfort.
KY 686	US 460 Mt. Sterling	KY 11 S. of Mt. Sterling.
KY 876	I-75 Exit 87 Richmond	KY 52.
KY 922	KY 4 Lexington	I-64/75 Exit 115.
KY 1051	KY 448 S. of Brandenburg	KY 79.
KY 1682	US 68 W. of Hopkinsville	Pennyrile Parkway Exit 12 NCL Hopkinsville.
KY 1958	KY 627 S. of Winchester	I-64 Exit 94 Winchester.
Audubon Pkwy	Pennyrile Parkway Exit 77 Henderson	US 60 Byp. Owensboro.
Blue Grass Parkway	I-65 Exit 93 E. of Elizabethtown	US 60 E. of Versailles.
Cumberland Parkway	I-65 Exit 43 N. of Hays	US 27 Somerset.
Daniel Boone Parkway	US 25 N. of London	KY 15 N. of Hazard.
Green River Pkwy	I-65 Exit 20 SE. of Bowling Green	US 60 Byp. Owensboro.
Jackson Purchase Parkway	Tennessee State Line	I-24 Exit 25 E. of Calvert City.
Mountain Parkway and Extension	I-64 Exit 98 E. of Winchester	US 460 Salyersville.
Pennyrile Parkway	US 41 Alt. Hopkinsville	US 41 Henderson.
Western Kentucky Parkway	I-24 Exit 42 S. of Eddyville	I-65 Exit 91 S. of Elizabethtown.

Note: US 23 crosses the Ohio River between South Portsmouth, KY and Portsmouth, OH via the U.S. Grant Bridge. Although the state line is near the Ohio shoreline, putting most of the bridge in Kentucky, the terminal point for US 23 is listed as the south end of the bridge because the bridge is maintained by the Ohio DOT.

Louisiana

No additional routes have been federally designated; under State law STAA-dimensioned commercial vehicles may legally operate on all highways which, prior to June 1, 1991, were designated as Federal-aid primary highways.

Maine

[The federally-designated routes on the National Network consist of the Interstate System, except as noted, and the following additional highways], Continued

Route	From	To
US 1	I-95 Brunswick	Old US 1 (Vicinity of Congress St.) Bath.
Scarboro Connector	I-295 South Portland	US 1 Scarborough.
South Portland Spur	I-95 South Portland	US 1 South Portland.

Maryland

US 13	VA State Line	DE State Line.
US 15	US 40/340 Frederick	MD 26 Frederick.
US 40	US 15/340 Frederick	I-70/270 Frederick.
US 48	WV State Line	I-70 Hancock.
US 50	MD 201/Kenilworth Ave. Cheverly	US 13 Salisbury.
US 301	VA State Line	DE State Line.
US 340	MD 67 Weverton	US 15/40 Frederick.
MD 3	US 50/301 Bowie	I-695/MD 695 Glen Burnie.
MD 4	I-95 Forestville	US 301 Upper Marlboro.
MD 10	MD 648 Glen Burnie	MD 695 Glen Burnie.
MD 100	MD 3	MD 607 Jacobsville.
MD 201 (Kenilw. Ave.)	D.C. Line	US 50 Cheverly.
MD 295	I-695 Linthicum	I-95 Baltimore.
MD 695	I-695/MD 3 Glen Burnie	I-95/695 Kenwood.
MD 702	Old Eastern Avenue	MD 695 Essex.

Note: I-895 Baltimore — Widths over 96 inches and tandem trailers may be prohibited on the Harbor Tunnel Thruway because of construction.

Massachusetts

US 3	I-95 Burlington	NH State Line.
MA 2	I-190 Leominster	I-495 Littleton.
MA 24	I-195 Fall River	I-93 Randolph.
MA 140	I-195 New Bedford	MA 24 Taunton.

Note: I-93 Boston — Restrictions may be applied, when necessary, to portions of I-93 affected by reconstruction of the Central Artery (I-93) and construction of the Third Harbor Tunnel (I-90).

Michigan

I-75 Conn	US 24BR Pontiac	I-75.
US 2	WI State Line Ironwood	WI State Line S. of Crystal Falls.
US 2	WI State Line Iron Mountain	I-75 St. Ignace.
US 8	US 2 Norway	WI State Line.
US 10	Ludington	I-75 Bay City.
US 12	IN State Line	I-94 W. Jct. Ypsilanti.
US 23	OH State Line	I-75 Mackinaw City.
US 24	OH State Line	MI 15 Waterford.
US 24BR	US 24 S. of Pontiac	MI 1 Pontiac.
US 27	IN State Line	I-75 S. of Grayling.
US 31	IN State Line	I-75 Mackinaw City.
US 33	IN State Line	US 12 Niles.
US 41	WI State Line	Houghton.
US 45	WI State Line	MI 26 Rockland.

VEHICLE SIZES & WEIGHTS MANUAL

[The federally-designated routes on the National Network consist of the Interstate System, except as noted, and the following additional highways], Continued

Route	From	To
US 127	OH State Line	I-69/US 27 N. of Lansing.
US 131	IN State Line	US 31 Petoskey.
US 141	WI State Line S. of Crystal Falls	US 41/MI 28.
US 223	US 23	US 12/127 Somerset.
MI 10	I-375 Detroit	Orchard Lake Road.
MI 13	I-69 Lennon	I-75 Saginaw (via MI 81).
MI 13	I-75 Kawkawlin (via I-75 Conn.)	US 23 Standish.
MI 14	I-94 Ann Arbor	I-96/275 Plymouth.
MI 15	US 24 Clarkston	MI 25 Bay City.
MI 18	US 10	MI 61 Gladwin.
MI 20	US 31 New Era	MI 37 White Cloud.
MI 20	US 27 Mt. Pleasant	US 10 Midland.
MI 21	I-96 near Grand Rapids	I-69 Flint.
MI 24	I-75 Auburn Hills (via I-75 Conn.)	I-69 Lapeer.
MI 24	MI 46	MI 81 Caro.
MI 26	US 45 Rockland	MI 38.
MI 27	I-75	US 23 Cheboygan.
MI 28	US 2 Wakefield	I-75.
MI 32	Hillman	Alpena.
MI 33	Mio	Fairview.
MI 35	US 2/41 Escanaba	US 2/41 Gladstone.
MI 36	US 127 Mason	Dansville.
MI 37	MI 55	US 31/MI 72 Traverse City.
MI 37	I-96 Grand Rapids	MI 46 Kent City.
MI 38	US 45 Ontonagon	US 41 Baraga.
MI 39	I-75 Lincoln Park	MI 10 Southfield.
MI 40	MI 89 Allegan	US 31BR/I-196BL Holland.
MI 43	MI 37 Hastings	US 127 Lansing.
MI 46	US 131 Howard City	MI 25 Port Sanilac.
MI 47	I-675 Saginaw (via MI 58)	US 10.
MI 50	MI 43/66 Woodbury	MI 99 Eaton Rapids.
MI 50	US 127 S. Jct	I-75 Monroe.
MI 51	US 12 Niles	I-94.
MI 52	OH State Line	US 12 Clinton.
MI 52	I-96 Webberville	MI 46 W. of Saginaw.
MI 53	MI 3 Detroit	MI 25 Port Austin.
MI 55	US 31 Manistee	I-75.
MI 55	MI 65	US 23 Tawas City.
MI 57	US 131 N. of Rockford	US 27.
MI 57	MI 52 Chesaning	I-75 Clio.
MI 59	US 24 BR Pontiac	I-94.
MI 60	MI 62 Cassopolis	I-69/US 27.
MI 61	MI 115	US 27 Harrison.
MI 61	MI 18 Gladwin	US 23 Standish.
MI 63	US 31 Scottdale	I-196.
MI 65	US 23 Omer	MI 55.
MI 65	MI 72 Curran	MI 32.

[The federally-designated routes on the National Network consist of the Interstate System, except as noted, and the following additional highways], Continued

Route	From	To
MI 65	Posen	US 23 N. of Posen.
MI 66	IN State Line	US 12 Sturgis.
MI 66	Battle Creek	MI 78.
MI 66	MI 43/50 Woodbury	MI 46 Edmore.
MI 67	US 41 Trenary	MI 94 Chatham.
MI 68	US 31/131 Petoskey	US 23 Rogers City.
MI 69	US 2/141 Crystal Falls	MI 95 Sagola.
MI 72	US 31/MI 37 Traverse City	US 23 Harrisville.
MI 77	US 2	MI 28 Seney.
MI 78	MI 66	I-69 Olivet.
MI 81	MI 24 Caro	MI 53.
MI 82	MI 37 S. Jct. Newago	US 131.
MI 83	Frankenmuth	I-75.
MI 84	I-75	MI 25 Bay City.
MI 89	MI 40 Allegan	US 131.
MI 94	US 41	MI 28 Munising.
MI 95	US 2 Iron Mountain	US 41/MI 28.
MI 104	US 31 Grand Haven	I-96.
MI 115	US 27	MI 22 Frankfort.
MI 117	US 2 Engadine	MI 28.
MI 123	I-75 N. of St. Ignace	MI 28.
MI 142	MI 25 Bay Port	MI 53.
MI 205	IN State Line	US 12 W. of Union.
Minnesota		
US 2	ND State Line E. Grand Forks	I-35 Duluth.
US 10	CH 11 E. of Moorhead	I-694 Arden Hills.
US 12	US 59 Holloway	I-94 Minneapolis.
US 14	US 75 Lake Benton	US 52 Rochester.
US 52	I-90 S. of Rochester	MN 110 Inver Grove Hts.
US 53	I-35/535 Duluth	US 169 S. Int. Virginia.
US 59	I-90 Worthington	MN 30 S. Int. Slayton.
US 59	MN 7 Appleton	US 12 Holloway.
US 59	I-94 N. Int. Fergus Falls	MN 175 Lake Bronson.
US 61	WI State Line	MN 60 Wabasha.
US 61	MN 55 Hastings	I-94 St. Paul.
US 61	I-35 Duluth	CH 2 Two Harbors.
US 63	I-90 Rochester	US 52 Rochester.
US 63	MN 58 Red Wing	WI State Line.
US 71	IA State Line	MN 34 Park Rapids.
US 75	I-90	US 2 Crookston.
US 75	MN 175 Hallock	Canadian Border.
US 169	I-90 Blue Earth	US 212 Chanhassen.
US 169	I-94 Brooklyn Park	MN 23 Milaca.
US 169	US 2 Grand Rapids	US 53 S. Int. Virginia.
US 212	SD State Line	MN 62 Edina.
US 218	I-90 Austin	US 14 Owatonna.
MN 1	ND State Line	US 59/MN 32 Thief River Falls.
MN 3	MN 110 Inver Grove Hts	I-94 St. Paul.
MN 5	MN 22 Gaylord	US 212.

VEHICLE SIZES & WEIGHTS MANUAL

[The federally-designated routes on the National Network consist of the Interstate System, except as noted, and the following additional highways], Continued

Route	From	To
MN 7	US 75 near Odessa	MN 100 St. Louis Park.
MN 9	US 12 Benson	US 59 Morris.
MN 11	MN 32 Greenbush	MN 72 Baudette.
MN 13	I-90	MN 14 Waseca.
MN 15	I-90 Fairmont	MN 60.
MN 15	US 14 New Ulm	MN 19 Winthrop.
MN 19	US 59 Marshall	MN 22 Gaylord.
MN 22	MN 109 Wells	US 14/MN 60 Mankato.
MN 22	US 212 Glencoe	US 12 Litchfield.
MN 23	US 75 Pipestone	I-35 near Hinckley.
MN 24	I-94 Clearwater	US 10 Clear Lake.
MN 25	I-94 Monticello	US 10 Big Lake.
MN 27	MN 29 Alexandria	MN 127 Osakis.
MN 27	US 71 N. Int. Long Prairie	US 10 Little Falls.
MN 28	SD State Line Browns Valley	I-94/US 71 Sauk Centre.
MN 29	I-94 Alexandria	MN 27 Alexandria.
MN 30	US 75 Pipestone	US 59 S. Int. Slayton.
MN 32	US 59/MN 1 Thief River Falls	MN 11 Greenbush.
MN 33	I-35 Cloquet	US 53 Independence.
MN 34	US 71 Park Rapids	MN 371 Walker.
MN 36	I-35W Roseville	MN 95 Oak Park Hts.
MN 43	I-90 Wilson	US 61 Winona.
MN 55	MN 28 Glenwood	7th St. N., W. Int. Minneapolis.
MN 55	I-94 E. Int. Minneapolis	MN 3 Inver Grove Hts.
MN 60	IA State Line Bigelow	US 14/169 Mankato.
MN 62	US 212 Edina	MN 100 Edina.
MN 65	I-694 Fridley	MN 23 Mora.
MN 68	US 75 Canby	MN 19 Marshall.
MN 101	I-94 Rogers	US 10 Elk River.
MN 109	I-90 Alden	MN 22 Wells.
MN 175	US 75 Hallock	US 59.
MN 210	ND State Line Breckenridge	US 59 W. Int. Fergus Falls.
MN 210	US 10 Motley	I-35 Carlton.
MN 371	US 10 Little Falls	US 2 Cass Lake.

NOTE: I-35E St. Paul — The parkway segment of I-35E from 7th Street to I-94 is not available to trucks because of reduced design standards.

Mississippi

No additional routes have been federally designated; under State law STAA-dimensioned commercial vehicles may legally operate on all highways which, prior to June 1, 1991, were designated as Federal-aid primary highways.

Missouri

US 24	I-435 Kansas City	US 65 Waverly.
US 24	US 36 E. Jct. W. of Hannibal	IL State Line.
US 36	KS State Line St. Joseph	IL State Line Hannibal.
US 40	I-70 Wentzville	I-270 W. of St. Louis.
US 50	I-470 Exit 7 Kansas City	I-44 Exit 247 Union.

[The federally-designated routes on the National Network consist of the Interstate System, except as noted, and the following additional highways], Continued

Route	From	To
US 54	US 54BR Lake Ozark	IL State Line.
US 59	KS State Line	I-229 St. Joseph.
US 60	OK State Line	US 71 Neosho.
US 60	MO 37 Monett	US 63 Cabool.
US 60	2 Mi. E. of E. Jct. MO 21 Ellsinore	I-55/57 Sikeston.
US 61	I-70 Wentzville	IA State Line.
US 63	AR State Line Thayer	IA State Line.
US 65	AR State Line Ridgedale	IA State Line.
US 67	AR State Line	I-55 Exit 174 Crystal City.
US 67	MO 367 N. of St. Louis	IL State Line.
US 71	AR State Line	I-435/470 Kansas City.
US 71	I-29 Exit 53 N. of St. Joseph	US 136 Maryville.
US 71 Alt ...	I-44 E. of Joplin	US 71 Carthage.
US 136	NE State Line	I-29 Exit 110 Rock Port.
US 166	KS State Line	I-44 SW. of Joplin.
US 169	I-29 Kansas City	MO 152 Kansas City.
US 412	AR State Line	I-55 Exit 19 Hayti.
MO 5	AR State Line	US 60 Mansfield.
MO 7	US 71 Harrisonville	MO 13 Clinton.
MO 13	I-44 Springfield	US 24 Lexington.
MO 25	US 412 near Kennett	US 60 Dexter.
MO 37	MO 76 Cassville	US 60 Monett.
MO 47	US 50 Union	MO 100 Washington.
MO 84	AR State Line	US 412 near Kennett.
MO 100	MO 47 Washington	I-44 SE. of Washington.
MO 171	KS State Line/KS 57	US 71 Webb City.
MO 367	I-270 N. of St. Louis	US 67 N. of St. Louis.

Montana

No additional routes have been federally designated; under State law STAA-dimensioned commercial vehicles may legally operate on all highways which, prior to June 1, 1991, were designated as Federal-aid primary highways.

Nebraska

No additional routes have been federally designated; under State law STAA-dimensioned commercial vehicles may legally operate on all highways which, prior to June 1, 1991, were designated as Federal-aid primary highways.

Nevada

No additional routes have been federally designated; under State law STAA-dimensioned commercial vehicles may legally operate on all highways which, prior to June 1, 1991, were designated as Federal-aid primary highways.

New Hampshire

US 3	MA State Line	NH 101A Nashua.
US 4/ Spaulding Tpk	I-95 Portsmouth	Exit 6 E. of Durham.

New Jersey

US 130	US 322 Bridgeport	I-295 Logan Township.
US 130	I-295/NJ 44 West Deptford	I-295 West Deptford.
US 322	PA State Line	US 130 Bridgeport.

VEHICLE SIZES & WEIGHTS MANUAL

[The federally-designated routes on the National Network consist of the Interstate System, except as noted, and the following additional highways], Continued

Route	From	To
NJ 42.....	Atlantic City Expwy. Turnersville	I-295 Bellmawr.
NJ 81.....	I-95 Elizabeth	US 1/9 Newark Intl. Airport.
NJ 440.....	I-287/I-95 Edison	NY State Line Outerbridge Crossing.
Note: I-95 — The following two sections of the New Jersey Turnpike are available to STAA-dimensioned vehicles. They were added to the Interstate System on March 3, 1983, but are not signed as Interstate.		
PA Tpk. Connector	PA State Line	Exit 6 Mansfield.
NJ Tpk.....	Exit 6 Mansfield	Exit 10 Edison.

New Mexico

US 56.....	I-25 Springer	OK State Line.
US 60.....	AZ State Line	I-25 Socorro.
US 62.....	US 285 Carlsbad	TX State Line.
US 64.....	AZ State Line	NM 516 Farmington.
US 70.....	AZ State Line	I-10 Lordsburg.
US 70.....	I-10 Las Cruces	US 54 Tularosa.
US 70.....	US 285 Roswell	US 84 Clovis.
US 80.....	AZ State Line	I-10 Road Forks.
US 84.....	TX State Line Clovis	CO State Line.
US 87.....	US 56 Clayton	TX State Line.
US 160.....	AZ State Line (Four Corners)	CO State Line.
US 285.....	TX State Line S. of Carlsbad	CO State Line.
US 491.....	I-40 Gallup	CO State Line.
US 516.....	US 64 Farmington	US 550 Aztec.
US 550.....	NM 516 Aztec	CO State Line.

New York

US 15.....	Presho Int	NY 17 Corning.
US 20.....	NY 75 Mt. Vernon	Howard Rd. Mt. Vernon.
US 219.....	NY 39 Springville	I-90 S. of Exit 55.
NY 5.....	NY 174 Camillus	NY 695 Fairmont.
NY 5.....	ECL Schenectady	I-87 Colonie.
NY 5.....	NY 179 Woodlawn Beach	NY 75 Mt. Vernon.
NY 7.....	Schenectady/Albany Co. Line	I-87 Colonie.
NY 8.....	CR 9/Main St. Sauquoit	I-790 Utica.
NY 12.....	I-790 Utica	Putnam Road Trenton.
NY 17.....	Exit 24 Allegany	I-87 Exit 16 Harriman.
NY 17.....	NJ State Line	I-87 Exit 15 Suffern.
NY 33.....	Michigan Ave. Buffalo	Greater Buffalo Intl. Airport.
NY 49.....	NY 365 Rome	NY 291 near Oriskany.
NY 104.....	Maplewood Dr. Rochester	Monroe/Wayne Co. Line.
NY 179.....	NY 5 Woodlawn Beach	I-90 Exit 56 Windom.
NY 198.....	I-190 Exit N11	NY 33 Buffalo.
NY 254.....	I-87 Glens Falls	0.3 Miles E. of US 9.
NY 365.....	I-90 Exit 33	NY 49 Rome.
NY 390.....	I-390/490 Rochester	NY 18 North Greece.
NY 400.....	I-90 Exit 54	NY 16 South Wales.
NY 481.....	I-81 North Syracuse	NY 3 Fulton.

[The federally-designated routes on the National Network consist of the Interstate System, except as noted, and the following additional highways], Continued

Route	From	To
NY 590.....	I-490/590 Rochester	NY 104 Irondequoit.
NY 690.....	I-90/690 Lakeland	NY 370 Baldwinsville.
NY 695.....	NY 5 Fairmont	I-690 Solvay.
Berkshire Conn. (NY 912M)	I-87 Exit 21A S. of Albany	I-90 Exit B1.
Inner Loop (NY 940T)	I-490 W. Int. Rochester	I-490 E. Int. Rochester.
Walden Avenue (NY 952Q)	I-90 Exit 52	NY 277 Cheektowaga.

North Carolina

I-40 Conn....	US 19/23/74 Clyde	I-40 W. of Clyde.
I-95 BR.....	I-95 S. of Fayetteville	I-95 N. of Fayetteville.
US 1.....	US 74 Rockingham	I-85 near Henderson.
US 15.....	US 401 Laurinburg	US 1 Aberdeen.
US 15.....	US 1 Northview	US 64 Pittsboro.
US 17.....	SC State Line	US 74/76 W. of Wilmington.
US 17.....	SR 1409 E. of Wilmington	VA State Line.
US 19/US 23	I-240 Asheville	N. Int. Mars Hill.
US 23.....	US 441 Franklin	US 74 Dillsboro.
US 25.....	SC State Line	I-26 East Flat Rock.
US 25/US 70.....	US 19/23 Weaverville	US 25/70 Bypass Marshall shall.
US 29.....	US 52 Lexington	VA State Line.
US 52.....	NC 24/27 Albemarle	VA State Line.
US 64.....	I-40 Morganton	US 321 Lenoir.
US 64.....	US 29 Lexington	US 15 Pittsboro.
US 64.....	US 1/70/401 Raleigh	US 17 Williamston.
US 70.....	I-77 Statesville	I-85 Salisbury (via US 601).
US 70.....	I-85 Durham	US 70A W. of Smithfield.
US 70A.....	US 70 W. of Smithfield	US 70 Princeton.
US 70.....	US 70A Princeton	Beaufort.
US 74.....	TN State Line	I-40 Conn. Clyde.
US 74.....	US 221 Rutherfordton	I-85 Kings Mountain.
US 74.....	I-277 Charlotte	US 17 W. Int. Wilmington.
US 74.....	I-26 Exit 36	US 74 ALT: near Forest City
(See Note Below)		
US 76.....	US 17//74 W. Int. Wilmington	SR 1409 E. of Wilmington.
US 158.....	I-40 Winston-Salem	US 29 Reidsville.
US 158.....	I-85 Henderson	US 258 Murfreesboro.
US 220.....	US 74 Rockingham	VA State Line.
US 221.....	US 74 Rutherfordton	I-40 Glenwood.
US 258.....	NC 24 N. Int. Richlands	US 64 Tarboro.
US 258.....	US 158 Murfreesboro	VA State Line.
US 264.....	US 64 Zebulon	US 17 Washington.
US 301.....	I-95 Kenly	NC 4 Battleboro.

VEHICLE SIZES & WEIGHTS MANUAL

[The federally-designated routes on the National Network consist of the Interstate System, except as noted, and the following additional highways], Continued

Route	From	To
US 321	SC State Line	I-85 Gastonia.
US 321	I-40 Hickory	NC 18/90 Lenoir.
US 401	SC State Line	I-40 Raleigh.
US 421	Carolina Beach	I-95 Dunn.
US 421	US 1 Sanford	US 64 Siler City.
US 421	I-40 Winston-Salem	Wilkesboro.
US 521	SC State Line	I-77 Charlotte.
US 601	SC State Line	US 74 Monroe.
NC 4.....	I-95 Gold Rock	US 301 Battleboro.
NC 11.....	US 70 Kinston	US 264 Greenville.
NC 24	US 74 Charlotte	US 52 Albemarle.
NC 24	NC 87 Spout Springs	I-95 Fayetteville.
NC 24	US 421 Clinton	US 70 Mansfield.
NC 49	I-85 Charlotte	US 64 Asheboro.
NC 87	NC 24/27 Spout Springs	US 1 Sanford.
SR 1409....	US 76 E. of Wilmington	US 17.
SR 1728....	I-40 W. of Raleigh	US 1/Wade Ave. Raleigh.
SR 1959 – SR 2028	US 70 Bethesda	I-40 S. of Durham.

Note: US 74 Charlotte — STAA-dimensioned vehicles are subject to State restrictions on US 74 in Charlotte because of narrow lane widths.

North Dakota

US 2.....	MT State Line	MN State Line Grand Forks.
US 10	I-94 W. Fargo	MN State Line.
US 12	MT State Line Marmarth	SD State Line.
US 52	I-94 Jamestown	Canadian Border.
US 81	I-29 Manvel	I-29 Joliette.
US 83	SD State Line	Canadian Border Westhope.
US 85	SD State Line	Canadian Border Fortuna.
US 281	SD State Line Ellendale	Canadian Border.
ND 1.....	ND 11 Ludden	ND 13 S. Jct.
ND 5.....	MT State Line	US 85 Fortuna.
ND 11.....	US 281 Ellendale	ND 1 Ludden.
ND 13	ND 1 S. Jct	MN State Line.
ND 32	W Junction of ND Hwy 13	I-94
ND 68	MT State Line	US 85 Alexander.
ND 200	MT State Line	US 85 Alexander.

Ohio

No additional routes have been federally designated; under State law STAA-dimensioned commercial vehicles may legally operate on all highways which, prior to June 1, 1991, were designated as Federal-aid primary highways.

Oklahoma

No additional routes have been federally designated; STAA-dimensioned commercial vehicles may legally operate on all Federal-aid Primary highways under State law.

Oregon

US 20	OR 34 W. Int. Philomath	ECL Sweet Home.
US 20	OR 126 Sisters	ID State Line Nyssa.

[The federally-designated routes on the National Network consist of the Interstate System, except as noted, and the following additional highways], Continued

Route	From	To
US 26	US 101 Cannon Beach Junction	OR 126 Prineville.
US 30	US 101 Astoria	I-405 Portland.
US 30 BR ..	OR 201 Ontario	ID State Line.
US 95	NV State Line	ID State Line.
US 95 Spur	OR 201	ID State Line Weiser, ID.
US 97	CA State Line	WA State Line.
US 101	SCL Port Orford	OR 126 Florence.
US 101	US 20 Newport	OR 18 Otis.
US 101	OR 6 Tillamook	WA State Line.
US 197	I-84 The Dalles	WA State Line.
US 199	CA State Line	OR 99 Grants Pass.
US 395	CA State Line	US 26 John Day.
US 395	I-84 Stanfield	US 730 near Umatilla.
US 730	I-84 Boardman	WA State Line.
OR 6	US 101 Tillamook	US 26 Near Banks.
OR 8	OR 47 Forest Grove	OR 217 Beaverton.
OR 11	I-84 Pendelton	WA State Line.
OR 18	US 101 Otis	OR 99W Dayton.
OR 19	OR 206 Condon	I-84 Arlington.
OR 22	OR 18 near Willamina	US 20 Santiam Junction.
OR 31	US 97 La Pine	US 395 Valley Falls.
OR 34	OR 99W Corvallis	US 20 Lebanon.
OR 35	US 26 Government Camp	I-84 Hood River.
OR 38	US 101 Reedsport	I-5 Anlauf.
OR 39	CA State Line	OR 140 E. of Klamath Falls.
OR 42	US 101 Coos Bay	OR 42S Coquille.
OR 47	OR 8 Forest Grove	US 26 N. of Banks.
OR 58	I-5 Eugene	US 97 near Chemult.
OR 62	Medford	OR 140 White City.
OR 78	Burns	US 95 Burns Junction.
OR 99	I-5 E. of Rogue River	I-5 Grants Pass.
OR 99	I-5 Eugene	OR 99W/E Junction City.
OR 99E.....	OR 99/99W Junction City	I-5 Albany.
OR 99E.....	I-5 Salem	I-5 Portland.
OR 99W....	OR 99/99E Junction City	I-5 Portland.
OR 126	US 101 Florence	US 26 Prineville.
OR 138	OR 38 Elkton	I-5 near Sutherlin.
OR 140.....	OR 62 White City	OR 39 E. of Klamath Falls.
OR 201	US 26 Cairo	US 95 Spur near Weiser, ID.
OR 207	US 730 Cold Springs Jct.	OR 74 S. Int. Heppner.
OR 212	OR 224 E. Int. near Rock Ck. Corner	US 26 near Boring.
OR 214	I-5 Woodburn	OR 213 Silverton.
OR 217	US 26 Beaverton	I-5 Tigard.
OR 223	Kings Valley Hwy. in Dallas	OR 99W Rickreall.
OR 224	OR 99E Milwaukie	OR 212 E. Int. near Rock Ck. Corner

VEHICLE SIZES & WEIGHTS MANUAL

[The federally-designated routes on the National Network consist of the Interstate System, except as noted, and the following additional highways], Continued

Route	From	To
Pennsylvania		
US 1.....	US 13 Morrisville	NJ State Line.
US 6.....	Conneaut Lake Borough	End of 4-lane Bypass NE. of Meadville.
US 11.....	Turnpike Int. 16	US 15 Harrisburg.
US 13.....	US 1 Morrisville	Turnpike Int. 29.
US 15.....	Turnpike Int. 17	US 11 Harrisburg Expwy.
US 15.....	PA 642 West Milton	White Deer Int.
US 15.....	I-180/US 220 Williamsport	End of lim. acc. Williamsport.
US 20.....	PA 89 North East	I-90 Int. 12.
US 22.....	WV State Line	I-79 Int. 15 Carnegie.
US 22.....	I-78 Fogelsville	NJ State Line.
US 30.....	End of lim. acc. W. of Greensburg	End of lim. acc. E. of Greensburg.
US 30.....	PA 462 W. of York	PA 462 E. of Lancaster.
US 119.....	End of lim. acc. S. of Uniontown	US 30 Greensburg.
US 202.....	DE State Line	I-76 Int. 26 King of Prussia.
US 209.....	PA 33 Snydersville	I-80 Stroudsburg.
US 219.....	PA 601 N. of Somerset	US 422 W. Int.
US 219.....	South Bradford Int	NY State Line.
US 220.....	Turnpike Int. 11	King.
US 220.....	End of lim. acc. Linden	I-180/US 15 Williamsport.
US 220.....	PA 199 S. of Athens	NY State Line NY 17.
US 222.....	US 422 N. Int. Reading	PA 61 S. of Tuckerton.
US 222.....	US 30 Lancaster	Turnpike Int. 21.
US 322.....	NJ State Line (Comm. Barry Br.)	I-95 Chester.
US 322.....	I-83/283	US 422/PA 39 Hershey.
US 422.....	US 322/PA 39 Hershey	Hockersville Rd. Hershey.
US 422.....	US 422 Bus. Reiffon	US 422 Bus. Wyomissing.
PA 3.....	US 202	Garrett Rd. Upper Darby.
PA 9.....	Turnpike Int. 25	I-81 Int. 58 N. of Scranton.
PA 28.....	PA 8	Creighton.
PA 33.....	US 22 Easton	I-80.
PA 42.....	I-80 Int. 34	US 11 Bloomsburg.
PA 51.....	US 119 Uniontown	Monongahela Riv. Elizabeth.
PA 54.....	I-80 Int. 33	US 11 Danville.
PA 60.....	PA 51 Beaver Falls	US 22.
PA 60 - US 422	I-80 Int. 1	1 Mile E. of PA 65 New Castle.
PA 61.....	US 222 S. of Tuckerton	I-78 Int. 9.
PA 93.....	I-81 Int. 41	PA 924 Hazelton.
PA 114.....	US 11 Hogestown	I-81 Int. 18.
PA 132.....	I-95 Cornwells Heights	Turnpike Int. 28 (via US 1 Connection).
PA 283.....	I-283 Int. 2	US 30 Lancaster.
PA 924.....	I-81 Int. 40	PA 93 Hazelton.
Airport Access (SR 3032)	PA 283	Harrisburg International Airport.

[The federally-designated routes on the National Network consist of the Interstate System, except as noted, and the following additional highways], Continued

Route	From	To
Harrisburg Exp. (Sr 2022)	US 11/15	I-83 Int. 20.
Reading Outer Loop (SR 3055)	PA 183 Leinbachs	US 2
Puerto Rico		
PR 1.....	PR 2 Ponce	PR 52 Ponce.
PR 2.....	PR 22 San Juan	PR 1 Ponce.
PR 3.....	N. Ent. Roosevelt Roads Naval Sta.	PR 26 Carolina.
PR 18.....	PR 52 San Juan	PR 22 San Juan.
PR 22.....	PR 26 San Juan	PR 165 Toa Baja.
PR 26.....	PR 22 San Juan	PR 3 Carolina.
PR 30.....	PR 52 Caguas	PR 3 Humacao.
PR 52.....	PR 1 Ponce	PR 18 San Juan.
PR 165.....	PR 22 Toa Baja	PR 2 Toa Baja.
Note: Routes added to the Interstate System under 23 U.S.C. 139(c) are included only to the extent designated above.		
Rhode Island		
RI 10.....	RI 195 Providence	I-95 Cranston.
RI 37.....	I-295 Cranston	I-95 near Lincoln Park.
RI 146.....	I-95 Providence	I-295 N. of Lime Rock.
RI 195.....	I-295 Johnston	RI 10 Providence.
South Carolina		
US 15/401..	NC State Line	US 52 Society Hill.
US 17.....	I-95 Pocotaligo	US 21 Gardens Corner.
US 17.....	I-26 Charleston	NC State Line.
US 21.....	US 17 Gardens Corner	SC 170 Beaufort.
US 25.....	NC State Line	US 78 North Augusta (via Greenwood Bypass).
US 52.....	US 15/401 Society Hill	End of 4-ln. div. N. of urban limits of Kingstree.
US 52.....	US 17 A1t. S. Int. Moncks Corner	I-26 Exit 208 N. Charleston connector.
US 76.....	US 52 Florence	SC 576 Marion.
US 76.....	SC 277 Columbia	I-126 Columbia.
US 78.....	GA State Line	I-95 St. George.
US 78.....	I-26 Exit 205 N. Charleston	US 52 N. Charleston.
US 123.....	Bibb St. Westminster	US 25 Greenville.
US 21/178 By-pass....	US 601 Orangeburg	Orangeburg.
US276.....	I-385 Simpsonville	I-85 Greenville.
US 301.....	US 321 Ulmer	I-95 Santee.
US 321.....	I-26 S. of Columbia	I-95 Hardeeville.
US 378.....	SC 262 Columbia	US 501 Conway.
US 501.....	SC 576 Marion	US 17 Myrtle Beach.
US 601.....	NC State Line	SC 151 Pageland.
US 601.....	I-26 Jamison	US 21/178 Bypass Orangeburg.
SC 72.....	US 25 Byp. Greenwood	I-77 Exit 61 (via SC 72 Byp.-US 21 BR-US 21 Rock Hill).

VEHICLE SIZES & WEIGHTS MANUAL

[The federally-designated routes on the National Network consist of the Interstate System, except as noted, and the following additional highways], Continued

Route	From	To
SC 121	SC 72 Whitmire	US 25 Trenton.
SC 151	US 601 Pageland	US 52 Darlington.
SC 277	I-77 Columbia	US 76 Columbia.
SC 576	US 76 Marion	US 501 Marion.

South Dakota

No additional routes have been federally designated; under State law STAA-dimensioned commercial vehicles may legally operate on all highways which, prior to June 1, 1991, were designated as Federal-aid primary highways.

Tennessee

US 25E	I-81	VA State Line Cumberland Gap.
US 27	End of I-124 Chattanooga	US 127 Chattanooga.
US 27	TN 153 Chattanooga	KY State Line Winfield.
US 43	AL State Line St. Joseph	US 64 Lawrenceburg.
US 45	MS State Line	US 45 Bypass S. Int. Jackson.
US 45 Bypass- US 45W	US 45 S. Int. Jackson	US 51 Union City.
US 51	TN 300 Memphis	KY State Line Jackson Purchase Pkwy.
US 64	I-40 E. Int. Memphis	I-24 Monteagle.
US 70 Alt ...	US 79 Atwood	TN 22 Huntingdon.
US 70	TN 22 Huntingdon	TN 96 Dickson.
US 70	TN 155 Nashville	US 127 Crossville.
US 70S	TN 102 Smyrna	US 70/TN 111 Sparta.
US 72	AL State Line	I-24 Kimball.
US 74	I-75 Cleveland	NC State Line Isabella.
US 79	I-40 Memphis	KY State Line US 41 Guthrie.
US 127	US 27 Chattanooga	TN 27 W. Int.
US 127	TN 28 Dunlap	KY State Line Static.
US 231	AL State Line S. of Fayetteville	KY State Line N. of Westmoreland.
US 412	I-40 Jackson	US 51 Dyersburg.
US 641	I-40 near Natchez Trace State Park	KY State Line N. of Paris.
TN 96	US 70 Dickson	I-40 E. of Dickson.
TN 153	I-75 Chattanooga	US 27 Chattanooga.
TN 155	I-40 Nashville	I-65 N. of Nashville.
TN 300	I-40 Memphis	US 51 Memphis.

Texas

No additional routes have been federally designated; under State law STAA-dimensioned commercial vehicles may legally operate on all highways which, prior to June 1, 1991, were designated as Federal-aid primary highways.

Utah

No additional routes have been federally designated; under State law STAA-dimensioned commercial vehicles may legally operate on all highways which, prior to June 1, 1991, were designated as Federal-aid primary highways.

Vermont

US 4	NY State Line	ECL Rutland.
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[The federally-designated routes on the National Network consist of the Interstate System, except as noted, and the following additional highways], Continued

Route	From	To
US 7	End of 4-lane divided hwy. Wallingford	US 4 N. Int. Rutland.
VT 9	I-91 Int. 3 N. of Brattleboro	NH State Line.

Virginia

US 11	I-81 Exit 195	0.16 Mi. N. of VA 645 Rockbridge Co.
US 11	VA 220 Alt. N. Int	2.15 Mi. S. of VA 220 Alt. N. Int. Cloverdale
US 11	VA 100 Dublin	VA 643 S. of Dublin.
US 11	1.52 Miles N. of VA 75	US 19 N. Int. Abington.
US 13	MD State Line	I-64 Exit 282 Norfolk.
US 17	US 29 Opal	VA 2/US 17 BR New Post.
US 17	VA 134 York Co	I-64 Exit 258 Newport News.
US 17	BR/SCL Fredricksburg	US 17 New Post VA 2.
US 19	I-81 Exit 14 (via VA 140) Abingdon	US 460 N. Int./VA 720 Bluefield.
US 23	TN State Line	US 58 Alt: Big Stone Gap.
US 23	0.33 Mi. N. of US 23 BR Norton	KY State Line.
US 25E	TN State Line	KY State Line.
US 29	NC State Line	I-66 Exit 43 Gainesville.
US 33	N. Carlton St. Harrisonburg	US 340 Elkton.
US 33	I-295 Exit 49	0.96 Mile W. of I-295 Hanover Co.
US 50	VA 259 Gore	VA 37 Frederick Co.
US 50	Apple Blossom Loop Rd. Winchester	I-81 Exit 313 Winchester.
US 58	VA 721 W. of Martinsville	US 220 BR N. Int. Martinsville.
US 58	S. Fairy St. Martinsville	WCL Emporia.
US 58	0.6 Mile E. of ECL Emporia	VA 35 S. Int. Courtland.
US 58	US 58 BR E. of Courtland	US 13/I-264 Bowers Hill.
US 58 Alt ...	US 23 Norton	US 19 Hansonville.
US 58 Alt ...	0.4 Mile W. of US 11	I-81 Exit 17 Abington.
US 58 BR ..	VA 35 Courtland	US 58 E. of Courtland.
US 58	W. Int. VA 337 Claremont St. Norfolk	US 460/St. Paul's Blvd. Norfolk.
US 60	0.03 Mi. West of VA 887 Chesterfield County	US 522 Powhatan.
US 220	NC State Line	I-581 Roanoke.
US 220	I-81 Exit 150	SCL Fincastle.
US 220 BR ..	US 220 S. Int	0.16 Mi. N. of VA 825 S. of Martinsville.
US 220 BR ..	US 58 N. Int. Martinsville	US 220 N. Int. Bassett Forks.
US 250	US 340 E. Int. Waynesboro	VA 254 Waynesboro.
US 250	I-81 Exit 222	VA 261 Statler Blvd. Staunton.
US 258	NC State Line	US 58 Franklin.

VEHICLE SIZES & WEIGHTS MANUAL

[The federally-designated routes on the National Network consist of the Interstate System, except as noted, and the following additional highways], Continued

Route	From	To
US 258	VA 10 Benns Church	VA 143 Jefferson Ave. Newport News.
US 301	VA 1250 S. of I-295	I-295 Exit 41 Hanover County.
US 301	US 301 BR N. Int. Bowling Green	MD State Line.
US 340/522	I-66 Exit 6 Front Royal	2.85 Miles N. of I-66.
US 340	VA 7 Berryville	WV State Line.
US 360	US 58 South Boston	VA 150 Chesterfield County.
US 360	I-64 Exit 192 Richmond	VA 617 Village.
US 460	VA 67 W. Int. Raven	US 19 Claypool Hill.
US 460	VA 720 Bluefield	WV State Line at Bluefield.
US 460	WV State Line at Glen Lyn	I-81 Exit 118 Christiansburg.
US 460	I-581 Roanoke	0.08 Mile E. of VA 1512 Lynchburg.
US 460	US 29 Lynchburg	1 Mile W. of VA 24 Appomattox County.
US 460	0.64 Mile E. of VA 707 Appomattox County	I -85 Exit 61 Petersburg.
US 460	I-95 Exit 50 Petersburg	US 58 Suffolk.
US 501	VA 360 S. Int. Halifax	US 58 South Boston.
US 522	0.60 Mile S. of US 50	US 50 Frederick County.
US 522	VA 37 Frederick Co	1.07 Miles N. of VA 705 Cross Junction.
VA 3	US 1 Fredericksburg.	VA 20 Wilderness.
VA 7	I-81 Exit 315 Winchester	0.68 Mile W. of WCL Round Hill.
VA 10	US 58 Suffolk	VA 666 Smithfield.
VA 10	ECI Hopewell	0.37 Mile W. of W. Int. VA 156 Hopewell.
VA 10	US 1 Chesterfield County	VA 827 W. of Hopewell.
VA 20	I-64 Exit 121	Carlton Rd. Charlottesville.
VA 30	I-95 Exit 98 Doswell	US 1.
VA 33	I-64 Exit 220	VA 30 E. Int. West Point.
VA 36	I-95 Exit 52 Petersburg	VA 156 Hopewell.
VA 37	I-81 Exit 310 S. of Winchester	I-81 Exit 317 (via US 11) N. of Winchester.
VA 42	VA 257 S. Int. Bridgewater	VA 290 Dayton.
VA 57	VA 753 Bassett	US 220 Bassett Forks.
VA 86	US 29 Danville	NC State Line.
VA 100	I-81 Exit 98	US 11 Dublin.
VA 105	US 60 Newport News	I-64 Exit 250.
VA 114	US 460 Christiansburg	0.09 Mile E. of VA 750 Montgomery County.
VA 156	VA 10 W. Int. Hopewell	VA 36 Hopewell.
VA 199	US 60 Williamsburg	I-64 Exit 242.
VA 207	I-95 Exit 104	0.2 Mile S. of VA 619 Milford.
VA 220 Alt ..	US 11 N. Int. N. of Cloverdale	I-81 Exit 150/US 220.
VA 277	I-81 Exit 307 Stephens City	1.6 Miles E. of I-81 Exit 307.

[The federally-designated routes on the National Network consist of the Interstate System, except as noted, and the following additional highways], Continued

Route	From	To
VA 419	I-81 Exit 141 Salem	Midland Ave. Salem.
VA 624	I-64 Exit 96	Old SCL Waynesboro.
Commonwealth Blvd. in Martinsville	Market St.	N. Fairy Street.
<p>Note 1: I-66 Washington, DC, area — There is a 24-hour total truck ban on I-66 from I-495 Capital Beltway to the District of Columbia. (Excepted under 23 CFR 658.11(f)).</p> <p>Note 2: I-264 Norfolk — Truck widths are limited to 96 inches for the west-bound tube of the Elizabeth River Downtown Tunnel from Norfolk to Ports-mouth because of clearance deficiencies.</p>		
Washington		
No additional routes have been federally designated; under State law STAA-dimensioned commercial vehicles may legally operate on all highways which, prior to June 1, 1991, were designated as Federal-aid primary highways.		
West Virginia		
US 19	I-77 Bradley	I-79 Gassaway.
US 35	WV 34 Winfield	OH State Line.
US 48	I-79 Morgantown	MD State Line.
US 50	I-77 Parkersburg	I-79 Clarksburg.
US 460	VA State Line Bluefield	VA State Line Kelleysville.
WV 34	I-64 Putnam Co	US 35 Winfield.
Wisconsin		
US 2	I-535/US 53 Superior	MI State Line Hurley.
US 2	MI State Line W. of Florence	MI State Line E. of Florence.
US 8	US 63 Turtle Lake	MI State Line Norway MI.
US 10	US 53 Osseo	I-43 Manistowoc.
US 12	I-94/CH "EE" W. of Eau Claire	US 53 Eau Claire.
US 12	I-90/94 Lake Delton	End of 4-lane S. of W. Baraboo.
US 12	WI 67 S. Jct. Elkhorn	IL State Line Genoa City.
US 14	US 51 N. of Janesville	I-90 Janesville.
US 14	WI 11/89 N. of Darien	I-43 Darien.
US 18	IA State Line Prairie Du Chien	I-90 Madison.
US 41	National Ave. Milwaukee	Garfield Ave. Milwaukee.
US 41	107th St. Milwaukee	MI State Line Marinette.
US 45	IL State Line Bristol	WI 28 Kewaskum.
US 45	WI 29 Wittenberg	MI State Line Land O'Lakes.
US 51	SCL Janesville	US 14 Janesville.
US 51	WI 78 N. of Portage	US 2 Hurley.
US 53	US 14/61 La Crosse	US 10 Osseo.
US 53	I-94 Eau Claire	I-535/US 2 Superior.
US 61	IA State Line Dubugue IA	MN State Line La Crosse (via WI 129 Lancaster Byp.).
US 63	MN State Line Red Wing MN	US 2 W. of Ashland.
US 141	US 41 Abrams	US 8 Pembine.
US 151	IA State Line Dubugue IA	US 18 E. of Dodgeville.

VEHICLE SIZES & WEIGHTS MANUAL

[The federally-designated routes on the National Network consist of the Interstate System, except as noted, and the following additional highways], Continued

Route	From	To
US 151	I-90/94 Madison	US 41 Fond Du Lac.
WI 11	IA State Line Dubuque IA	US 51 Janesville.
WI 11	I-90 Janesville	US 14/WI 89 N. of Darien.
WI 11	I-43 Elkhorn	WI 31 Racine.
WI 13	WI 21 Friendship	US 2 Ashland.
WI 16	WI 78 Portage	I-94 Waukesha.
WI 17	US 8 Rhinelander	US 45 Eagle River.
WI 20	I-94 Racine	WI 31 Racine.
WI 21	WI 27 Sparta	US 41 Oshkosh.
WI 23	WI 32 N. of Sheboygan Falls	Taylor Dr. Sheboygan.
WI 26	I-94 Johnson Creek	WI 16 Watertown.
WI 26	US 151 Waupun	US 41 SW. of Oshkosh.
WI 27	US 14/61 Westby	US 10 Fairchild.
WI 28	US 41 Theresa	US 45 Kewaskum.
WI 29	I-94 Elk Mound	US 53 Chippewa Falls.
WI 29	WI 124 S. of Chippewa Falls	US 41 Green Bay.
WI 30	US 151 Madison	I-90/94 Madison.
WI 31	WI 11 Racine	WI 20 Racine.
WI 32	WI 29 W. of Green Bay	Gillett.
WI 34	WI 13 Wisconsin Rapids	US 51 Knowlton.
WI 42	I-43 Manitowoc	WI 57 SW. of Sturgeon Bay.
WI 47	US 10 Appleton	WI 29 Bonduel.
WI 50	I-94 Kenosha	45th Ave. Kenosha.
WI 54	WI 13 Wisconsin Rapids	US 51 Plover.
WI 57	I-43 Green Bay	Sturgeon Bay.
WI 69	WI 11 Monroe	CH "PB" Paoli.
WI 73	US 51 Plainfield	WI 54 Wisconsin Rapids.
WI 78	I-90/94 S. of Portage	US 51 N. of portage.
WI 80	WI 21 Necedah	WI 13 Pittsville.
WI 119	I-94 Milwaukee	WI 38 Milwaukee.
WI 124	US 53 N. of Eau Claire	WI 29 S. of Chippewa Falls.
WI 139	US 8 Cavour, Forest Co	Long Lake.
WI 145	Broadway Milwaukee	US 41/45 Milwaukee.
WI 172	US 41 Ashwaubenon	CH "x" S. of Green Bay.
CH "PB"	WI 69 Paoli	US 18/151 E. of Verona.

Wyoming

No additional routes have been federally designated; under State law STAA-dimensioned commercial vehicles may legally operate on all highways which, prior to June 1, 1991, were designated as Federal-aid primary highways.

Note: Information on additional highways on which STAA-dimensioned vehicles may legally operate may be obtained from the respective State highway agencies.

[55 FR 17953, Apr. 30, 1990; 55 FR 19145, May 8, 1990, as amended at 59 FR 30421, June 13, 1994; 59 FR 36053, July 15, 1994; 60 FR 15214, Mar. 22, 1995; 60 FR 16571, Mar. 31, 1995; 72 FR 7748, Feb. 20, 2007]

APPENDIX B TO PART 658 — GRANDFATHERED SEMITRAILER LENGTHS

State	Feet and inches
Alabama	53-6
Alaska	48-0
Arizona	57-6
Arkansas	53-6
California	¹ 48-0
Colorado	57-4
Connecticut	48-0
Delaware	53-0
District of Columbia	48-0
Florida	48-0
Georgia	48-0
Hawaii	48-0
Idaho	48-0
Illinois	53-0
Indiana	² 48-6
Iowa	53-0
Kansas	57-6
Kentucky	53-0
Louisiana	59-6
Maine	48-0
Maryland	48-0
Massachusetts	48-0
Michigan	48-0
Minnesota	48-0
Mississippi	53-0
Missouri	53-0
Montana	53-0
Nebraska	53-0
Nevada	53-0
New Hampshire	48-0
New Jersey	48-0
New Mexico	57-6
New York	48-0
North Carolina	48-0
North Dakota	53-0
Ohio	53-0
Oklahoma	59-6
Oregon	53-0
Pennsylvania	53-0
Puerto Rico	48-0
Rhode Island	48-6
South Carolina	48-0
South Dakota	53-0
Tennessee	50-0
Texas	59-0
Utah	48-0
Vermont	48-0
Virginia	48-0
Washington	48-0
West Virginia	48-0
Wisconsin	³ 48-0
Wyoming	57-4

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¹ Semitrailers up to 53 feet may also operate without a permit by conforming to a kingpin-to-rear-most axle distance of 38 feet. Semitrailers that are consistent with 23 CFR 658.13(g) may operate without a permit provided the distance from the kingpin to the center of the rear axle is 46 feet or less.

² Semitrailers up to 53 feet in length may operate without a permit by conforming to a kingpin-to-rear-most axle distance of 40 feet 6 inches. Semitrailers that are consistent with 23 CFR 658.13(g) may operate without a permit provided the distance from the kingpin to the center of the rear axle is 46 feet or less.

³ Semitrailers up to 53 feet in length may operate without a permit by conforming to a kingpin-to-rear axle distance of 41 feet, measured to the center of the rear tandem assembly. Semitrailers that are consistent with 23 CFR 658.13(g) may operate without a permit provided the distance from the kingpin to the center of the rear axle is 46 feet or less.

[53 FR 2599, Jan. 29, 1988, as amended at 54 FR 1931, Jan. 18, 1989; 62 FR 10181, Mar. 5, 1997; 72 FR 7749, Feb. 20, 2007]

APPENDIX C TO PART 658 — TRUCKS OVER 80,000 POUNDS ON THE INTERSTATE SYSTEM AND TRUCKS OVER STAA LENGTHS ON THE NATIONAL NETWORK

This appendix contains the weight and size provisions that were in effect on or before June 1, 1991 (July 6, 1991 for Alaska), for vehicles covered by 23 U.S.C. 127(d) (LCV's) and 49 U.S.C. app. 2311(j) (commercial motor vehicles (CMV's) with 2 or more cargo-carrying units). Weights and dimensions are "frozen" at the values shown here, which were in effect on June 1, 1991 (Alaska, July 6, 1991). All vehicles are listed by configuration type.

Trucks Over 80,000 Pounds on the Interstate System

In the State-by-State descriptions, CMV combinations which can also be LCV's are identified with the letters "LCV" following the type of combination vehicle. The maximum allowable gross vehicle weight is given in this appendix (in thousands of pounds indicated by a "K"), as well as information summarizing the operational conditions, routes, and legal citations. The term "Interstate System" as used herein refers to the Dwight D. Eisenhower System of Interstate and Defense Highways.

Trucks Over STAA Lengths on the National Network

Listed for each State by combination type is either:

1. The maximum cargo-carrying length (shown in feet); or
2. A notation that such vehicle is not allowed (indicated by a "NO").

CMV's are categorized as follows:

1. A CMV combination consisting of a truck tractor and two trailing units.
2. A CMV combination consisting of a truck tractor and three trailing units.
3. CMV combinations with two or more cargo-carrying units not included in descriptions 1 or 2.

In the following table the left number is the maximum cargo-carrying length measured in feet from the front of the first cargo unit to the rear of the last cargo unit. This distance is not to include length exclusive devices which have been approved by the Secretary or by any State. Devices excluded from length determination shall only include items whose function is related to the safe and efficient operation of the semitrailer or trailer. No device excluded from length determination shall be designed or used for carrying cargo. The right number is the maximum gross weight in thousands of pounds that the type of vehicle can carry when operating as an LCV on the Interstate System. For every State where there is a length or weight number in the table that follows, additional information is provided.

Vehicle combinations subject to Pub. L. 102-240

State	1 Truck tractor and 2 trailing units	2 Truck tractor and 3 trailing units	3 Other
Alabama	NO	NO	NO
Alaska	95'	110'	83'
Arizona	95'129K	95'129K	(1)
Arkansas	NO	NO	NO
California	NO	NO	NO
Colorado	111'110K	115.5'110K	78'
Connecticut	NO	NO	NO
Delaware	NO	NO	NO
Dist. of Columbia	NO	NO	NO
Florida	106'(2)	NO	NO
Georgia	NO	NO	NO
Hawaii	65'(2)	NO	NO
Idaho	95'105.5K	95'105.5K	(1)
Illinois	NO	NO	NO
Indiana	106'127.4K	104.5'127.4K	58'
Iowa	100'129K	100'129K	78'
Kansas	109'120K	109'120K	NO
Kentucky	NO	NO	NO
Louisiana	NO	NO	NO
Maine	NO	NO	NO
Maryland	NO	NO	NO
Massachusetts	104'127.4K	NO	NO
Michigan	58'164K	NO	63'
Minnesota	NO	NO	NO
Mississippi	65'(2)	NO	NO
Missouri	110'120K(4)	109'120K	NO
Montana	93'137.8K	100'131.06K	(1)
Nebraska	95'95K	95'(2)	68'
Nevada	95'129K	95'129K	98'
New Hampshire	NO	NO	NO
New Jersey	NO	NO	NO
New Mexico	86.4K(3)	NO	NO
New York	102'143K	NO	NO
North Carolina	NO	NO	NO
North Dakota	103'105.5K	100'105.5K	103'
Ohio	102'127.4K	95 115K'	NO
Oklahoma	110'90K	95'90K	NO
Oregon	68'105.5K	96'105.5K	70'5"
Pennsylvania	NO	NO	NO
Puerto Rico	NO	NO	NO
Rhode Island	NO	NO	NO
South Carolina	NO	NO	NO
South Dakota	100'129K	100'129K	(1)
Tennessee	NO	NO	NO
Texas	NO	NO	NO
Utah	95'129K	95'129K	(1)
Vermont	NO	NO	NO
Virginia	NO	NO	NO

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Vehicle combinations subject to Pub. L. 102-240, Continued

State	1 Truck tractor and 2 trailing units	2 Truck tractor and 3 trailing units	3 Other
Washington ...	68'105.5K	NO	68'
West Virginia..	NO	NO	NO
Wisconsin.....	NO	NO	NO
Wyoming.....	81'117K.....	NO	(1)

(1) State submission includes multiple vehicles in this category - see individual State listings.

(2) No maximum weight is established as this vehicle combination is not considered an "LCV" per the ISTE A definition. Florida's combination is not allowed to operate on the Interstate System, and the combinations for Hawaii, Mississippi, and Nebraska are not allowed to exceed 80,000 pounds.

(3) No maximum cargo-carrying length is established for this combination. Because State law limits each trailing unit to not more than 28.5 feet in length, this combination is allowed to operate on all NN routes under the authority of the STAA of 1982, regardless of actual cargo-carrying length. The maximum weight listed is New Mexico's maximum allowable gross weight on the Interstate System under the grandfather authority of 23 U.S.C. 127.

(4) These dimensions do not apply to the same combinations. The 110-foot length is limited to vehicles entering from Oklahoma, also limited to 90K gross weight. The 120K gross weight is limited to vehicles entering from Kansas, also limited to a cargo carrying length of 109 feet.

The following abbreviation convention is used throughout the narrative State-by-State descriptions for the captions OPERATIONAL CONDITIONS, ROUTES, and LEGAL CITATIONS: two letter State abbreviation, dash, "TT" for truck tractor, and 2 or 3 for two or three trailing units. For example, the phrase "Arizona truck tractor and 2 trailing units", would be noted as "AZ-TT2"; the phrase "Indiana truck tractor and 3 trailing units" would be noted as "IN-TT3", etc.

STATE: ALASKA

COMBINATION: Truck tractor and 2 trailing units

LENGTH OF THE CARGO-CARRYING UNITS: 95 feet

OPERATIONAL CONDITIONS:

WEIGHT: The combination must be in compliance with State laws and regulations. There are no highways in the State subject to Interstate System weight limits. Therefore, the ISTE A freeze as it applies to maximum weight is not applicable.

DRIVER: The driver must have a commercial driver's license with the appropriate endorsement.

VEHICLE: Combinations with an overall length greater than 75 feet, measured bumper to bumper, must display an "OVER-SIZE" warning sign on the front and rear. In combinations where one cargo-carrying unit is more than 5,000 pounds heavier than the other, the heavier unit shall be placed immediately behind the powerunit.

Weather restrictions are imposed when hazardous conditions exist, as determined by the Alaska Department of Transportation and Public Facilities (DOT&PF) and the Alaska Department of Public Safety, Division of State Troopers. Time of day travel is not restricted.

PERMIT: None required.

ACCESS: Alaska allows reasonable access not to exceed 5 miles to reach or return from terminals and facilities for food, fuel, or rest. The most direct route must be used. The Commissioner of the Alaska DOT&PF may allow access to specific routes if it can be shown that travel frequency, necessity, and route accommodation are required.

ROUTES:

	From	To
AK-1	Anchorage (Potter Weigh Station)	Palmer (Palmer-Wasilla Highway Junction)
AK-2	Fairbanks (Gaffney Road Junction).	Delta Junction (MP 1412 Alaska Highway).
AK-3	Jct. AK-1	Fairbanks (Gaffney Road Junction)

LEGAL CITATIONS:

17 AAC 25, and 35; the Administrative Permit Manual.

COMBINATION: Truck tractor and 3 trailing units

LENGTH OF THE CARGO-CARRYING UNITS: 110 feet

OPERATIONAL CONDITIONS:

WEIGHT and **ACCESS:** Same as the AK-TT2 combination.

DRIVER: The driver must have a commercial driver's license with the appropriate endorsement. Drivers of this combination must have 10 years of experience in Alaska and certified training in operation of these combinations.

VEHICLE: Individual trailer length in a three trailing unit combination shall not exceed 28.5 feet. Engine horse power rating shall not be less than 400 horsepower.

These combinations are allowed to operate only between May 2 and September 30 of each year. Weather restrictions are imposed when hazardous conditions exist, as determined

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Reserved

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by the Alaska DOT&PF and the Department of Public Safety, Division of State Troopers. No movement is permitted if visibility is less than 1,000 feet.

PERMIT: Permits are required with specified durations of not less than 3 months or more than 18 months. There is a fee.

ROUTES:

	From	To
AK	1 Anchorage (Potter Weigh Station)	Jct. AK-3
AK-3	Jct. AK-1	Fairbanks (Gaffney Road Junction)

LEGAL CITATIONS: Same as the AK-TT2 combination.

COMBINATION: Truck-trailer

LENGTH OF THE CARGO-CARRYING UNITS: 83 feet

OPERATIONAL CONDITIONS:

WEIGHT, DRIVER, PERMIT, and **ACCESS:** Same as the AK-TT2 combination.

VEHICLE: Same as the AK-TT2 combination, except that overall combination length may not exceed 90 feet.

ROUTES: Same as the AK-TT2 combination.

LEGAL CITATIONS: Same as the AK-TT2 combination.

STATE: ARIZONA

COMBINATION: Truck tractor and 2 trailing units—LCV

LENGTH OF THE CARGO-CARRYING UNITS: 95 feet

MAXIMUM GROSS VEHICLE WEIGHT: 129,000 pounds

OPERATIONAL CONDITIONS:

WEIGHT: Single-axle maximum weight limit is 20,000 pounds, tandem-axle maximum weight limit is 34,000 pounds, and the gross vehicle weight limit is 129,000 pounds, subject to the Federal Bridge Formula.

DRIVER: The driver must have a commercial driver's license with the appropriate endorsement. Drivers must comply with the Federal Motor Carrier Safety Regulations of the U.S. Department of Transportation and Title 28, Arizona Revised Statutes.

VEHICLE: This vehicle must be able to operate at speeds compatible with other traffic on level roads and maintain 20 miles per hour speed on grades where operated. A heavy-duty fifth wheel is required. The kingpin must be a solidtype, not a screw-out or folding type. All hitch connectors must be of a no-slack type, preferably an air-actuated ram. Axles must be those designed for the width of the body. All braking systems must comply with State and Federal requirements. A brake force limiting valve, sometimes called a "slippery road" valve, may be provided on the steering axle. Mud flaps or splash guards are required. When traveling on a smooth, paved surface, trailers must follow in the path of the towing vehicle without shifting or swerving more than 3 inches together side when the towing vehicle is moving in a straight line.

PERMITS: Permits are required. Fees are charged. This vehicle is allowed continuous travel, however, the State may

restrict or prohibit operations during periods when traffic, weather, or other safety considerations make such operations unsafe or inadvisable. All multiple-trailer combinations shall be driven in the right-hand traffic lane.

ACCESS: Access is allowed for 20 miles from I-15 Exits 8 and 27 or 20 miles from other authorized routes.

ROUTES:

	From	To
I-15	Nevada	Utah
US 89	20 miles south of Utah	Utah
US 160	US 163	New Mexico
US 163	US 160	Utah

LEGAL CITATIONS:

ARS 28-107	ARS 28-1009	ARS 28-1011.O
ARS 28-108.5	ARS 28-1009.01	ARS 28-1012
ARS 28-108.13	ARS 28-1011.A	ARS 28-1013
ARS 28-108.14	ARS 28-1011.C	ARS 28-1014
ARS 28-403	ARS 28-1011.F	ARS 28-1031
ARS 28-405	ARS 28-1011.K	ARS 28-1051
ARS 28-1001	ARS 28-1011.L	ARS 28-1052
ARS 28-1004.G	ARS 28-1011.M	R17-40-426
ARS 28-1008		

COMBINATION: Truck tractor and 3 trailing units—LCV

LENGTH OF THE CARGO-CARRYING UNITS: 95 feet

MAXIMUM ALLOWABLE GROSS WEIGHT: 123,000 pounds (129,000 pounds on I-15)

OPERATIONAL CONDITIONS:

VEHICLE, and **ACCESS:** Same as the AZ-TT2 combination.

WEIGHT: Single-axle maximum weight limit is 20,000 pounds, tandem-axle maximum weight limit is 34,000 pounds, and the gross vehicle weight limit is 123,500 pounds (129,000 pounds on I-15), subject to the Federal Bridge Formula.

DRIVER: The driver must have a commercial driver's license with the appropriate endorsement. Drivers must comply with the Federal Motor Carrier Safety Regulations of the U.S. Department of Transportation and Title 28, Arizona Revised Statutes. Drivers must be trained by an experienced driver of a three trailing unit combination. Training should be through special instructions or by traveling with the new driver until such time as the new driver is deemed adequately qualified by the trainer on the use and operation of these combinations.

PERMIT: Permits are required. Fees are charged. This vehicle is allowed continuous travel, however, the State may restrict or prohibit operations during periods when traffic, weather, or other safety considerations make such operations unsafe or inadvisable. These combinations shall not be dispatched during adverse weather conditions. All multiple-trailer combinations shall be driven in the right-hand traffic lane.

ROUTES: Same as the AZ-TT2 combination.

LEGAL CITATIONS: Same as the AZ-TT2 combination.

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COMBINATION: Truck-trailer

LENGTH OF THE CARGO-CARRYING UNITS: 69 feet

OPERATIONAL CONDITIONS:

WEIGHT: This combination must operate in compliance with State laws and regulations. Because it is not an LCV, it is not subject to the ISTEAs freeze as it applies to maximum weight.

DRIVER, VEHICLE, PERMIT, and ACCESS: Same as the AZ-TT2 combination.

ROUTES: Same as the AZ-TT2 combination.

LEGAL CITATIONS: Same as the AZ-TT2 combination.

COMBINATION: Truck-semitrailer-trailer

LENGTH OF THE CARGO-CARRYING UNITS: 98 feet

OPERATIONAL CONDITIONS:

WEIGHT: This combination must operate in compliance with State laws and regulations. Because it is not an LCV, it is not subject to the ISTEAs freeze as it applies to maximum weight.

DRIVER, VEHICLE, PERMIT, and ACCESS: Same as the AZ-TT2 combination.

ROUTES: Same as the AZ-TT2 combination.

LEGAL CITATIONS: Same as the AZ-TT2 combination.

STATE: COLORADO

COMBINATION: Truck tractor and 2 trailing units—LCV

LENGTH OF THE CARGO-CARRYING UNITS: 111 feet

MAXIMUM ALLOWABLE GROSS WEIGHT: 110,000 pounds

OPERATIONAL CONDITIONS:

WEIGHT: The maximum gross weight is 110,000 pounds, subject to the formula $W = 800(L+40)$ where "W" equals the gross weight in pounds and "L" equals the length in feet between the centers of the first and last axles, or the gross weight determined by the Federal Bridge Formula, whichever is least. A single axle shall not exceed 20,000 pounds and a tandem axle shall not exceed 36,000 pounds.

DRIVER: The driver must have a commercial driver's license with the appropriate endorsement. The driver cannot have had any suspension of driving privileges in any State during the past 3 years where such suspension arose out of the operation of a motor vehicle used as a contract or common carrier of persons or property.

The driver must be certified by the motor carrier permit holder's safety office. The certification shall demonstrate that the driver has complied with all written requirements, and that the driver has successfully completed a company-approved road test for each type of combination vehicle operated.

VEHICLE: Vehicles shall not have fewer than six axles or more than nine axles. They shall be configured such that the shorter trailer shall be operated as the rear trailer, and the trailer with the heavier gross weight shall be operated as the front trailer. In the event that the shorter trailer is also the heavier, the load must be adjusted so that the front trailer is the longer and heavier of the two.

Vehicles shall have adequate power to maintain a minimum speed of 20 miles per hour on any grade over which the combination operates and can resume a speed of 20 miles per hour after stopping on any such grade.

Tires must conform to the standards in the Department of Public Safety's (DPS) Rules and Regulations Concerning Minimum Standards for the Operation of Commercial Motor Vehicles, at 8 CCR 1507-1 and C.R.S. 42-4-225 and 42-2-406.

Vehicles are required to have a heavy-duty fifth wheel and equal strength pick-up plates that meet the standards in the DPS Commercial Vehicle Rules. This equipment must be properly lubricated and located in a position that provides stability during normal operation, including braking. The trailers shall follow in the path of the towing vehicle without shifting or swerving more than 3 inches to either side when the towing vehicle is moving in a straight line.

Kingpins must be of a solid type and permanently fastened. Screw-out or folding type kingpins are prohibited.

Hitch connections must be of a no-slack type, preferably air-actuated ram.

Drawbar lengths shall be adequate to provide for the clearances required between the towing vehicle and the trailer(s) for turning and backing maneuvers.

Axles must be those designed for the width of the body of the trailer(s).

Braking systems must comply with the DPS Commercial Vehicle Rules and C.R.S. 42-4-220. Fast air-transmission and release valves must be provided on all trailer(s) and converter dolly axles. A brake force limiting valve, sometimes called a "slippery road" valve, may be provided on the steering axle.

PERMIT: An annual permit is required for which a fee is charged. Also, the vehicle must have an overweight permit pursuant to C.R.S. 42-4-409(11)(a)(II)(A),(B), or (C), and comply with Rule 4-15 in the rules pertaining to Extra-Legal Vehicles or Loads.

A truck tractor and two trailing units wherein at least one of the trailing units exceeds 28.5 feet in length shall not operate on the following designated highway segments during the hours of 6 a.m. to 9 a.m. and from 3 p.m. to 6 p.m., Monday through Friday, for Colorado Springs, Denver, and Pueblo. (A truck tractor with two trailing units wherein at least one of the trailing units exceeds 28.5 feet in length not operating at greater than the legal maximum weight of 80,000 pounds is subject to different hours-of-operation restrictions. Refer to rules pertaining to Extra-Legal Vehicles or Loads).

Colorado Springs: I-25 between Exit 135 (CO 83 Academy Blvd. So.) and Exit 150 (CO 83, Academy Blvd. No.).

Denver: I-25 between Exit 200 (Jct. I-225) and Exit 223 (CO 128, 120th Avenue),

I-70 between Exit 259 (CO 26/US 40) and Exit 282 (Jct. I-225),

I-76 between Exit 5 (Jct. I-25) and Exit 12 (US 85),

I-225 entire length,

I-270 entire length.

Pueblo: I-25 between Exit 94 (CO 45 Lake Ave.) and Exit 101 (US 50/CO 47).

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The holder of a longer vehicle combination (LVC) permit must have an established safety program as provided in Chapter 9 of the "Colorado Department of Highways Rules and Regulations for Operation of Longer Vehicle Combination on Designated State Highway Segments." Elements of the program include compliance with minimum safety standards at 8 CCR 1507-1, hazardous materials regulations at 8 CCR 1507-7, -8, and -9, Colorado Uniform Motor Vehicle Law, Articles 1 through 4 of Title 42, C.R.S. as amended, and Public Utility Commission regulations at 4 CCR 723-6, -8, -15, -22, and -23.

ACCESS: A vehicle shall not be operated off the designated portions of the Interstate System except to access food, fuel, repairs, and rest or to access a facility. Access to a facility shall be subject to the following conditions:

- (1) The facility must:
 - (a) be either a manufacturing or a distribution center, a warehouse, or truck terminal located in an area where industrial uses are permitted;
 - (b) be a construction site; and
 - (c) meet the following criteria:
 1. vehicles are formed for transport or broken down for delivery on the premises;
 2. adequate off-roadway space exists on the premises to safely maneuver the vehicles; and
 3. adequate equipment is available on the premises to handle, load, and unload the vehicle, its trailers, and cargo.
- (2) The facility must be located within a maximum distance of 10 miles from the point where the vehicle enters or exits the designated portions of the Interstate System. Such 10-mile distance shall be measured by the actual route(s) to be traveled to the facility, rather than by a straight line radius from the designated Interstate System to the facility;
- (3) The access route(s) between the designated Interstate System and the facility must be approved in advance by the public entity (Colorado DOT, municipality, or county) having jurisdiction for the roadway(s) that make up the route(s). Where the State of Colorado has jurisdiction over the access route(s), it will consider the following safety, engineering, and other criteria in determining whether to approve the route(s):
 - (a) safety of the motoring public;
 - (b) geometrics of the street and roadway;
 - (c) traffic volumes and patterns;
 - (d) protection of State highways, roadways, and structures;
 - (e) zoning and general characteristics of the route(s) to be encountered; and
 - (f) other relevant criteria warranted by special circumstances of the proposed route(s).

Local entities, counties, and municipalities having jurisdiction over route(s), should consider similar criteria in determining whether to approve the proposed ingress and egress route(s); and

- (4) A permit holder shall access only the facility or location authorized by the permit. If the permit authorizes more than one facility or location, then on any single trip by an LVC from the designated Interstate System the permit holder may access only one facil-

ity or location before returning to the designated Interstate System.

ROUTES:

	From	To
I-25	New Mexico	Wyoming
I-70	Utah	I-70 Exit 90 Rifle
I-70	I-70 Exit 259 Golden	Kansas
I-76	Jct. I-70	Nebraska
I-225	Jct. I-25	Jct. I-70
I-270	Jct. I-76	Jct. I-70

LEGAL CITATIONS: Vehicles must comply with all applicable statutes, such as C.R.S. 42-4-402(1), 42-4-404(1), 42-4-407(1)(c)(III)(A), 42-4-409(11)(a)(II)(A),(B) or (C). All LVC's must comply with the Extra-Legal Vehicles and Loads Rules and the Longer Vehicle Combination Rules. However, when the rules address the same subject, the LVC, since it is operating at greater than 80,000 pounds, must comply with the Extra-Legal Vehicles and Loads Rules. Such rules are: 4-1-2 and 4-1-3 concerning holiday travel restrictions, 4-1-5 concerning hours of operation restrictions, 4-8 concerning minimum distance between vehicles and 4-15 concerning maximum allowable gross weight.

COMBINATION: Truck tractor and 3 trailing units—LCV

LENGTH OF THE CARGO-CARRYING UNITS: 115.5 feet

MAXIMUM ALLOWABLE GROSS WEIGHT: 110,000 pounds

OPERATIONAL CONDITIONS: Same as the CO-TT2 combination.

ROUTES: Same as the CO-TT2 combination.

LEGAL CITATIONS: Same as the CO-TT2 combination.

COMBINATION: Truck-trailer

LENGTH OF THE CARGO-CARRYING UNITS: 78 feet

OPERATIONAL CONDITIONS:

WEIGHT: This combination must operate in compliance with State laws and regulations. Because it is not an LCV, it is not subject to the ISTEPA freeze as it applies to maximum weight.

DRIVER, VEHICLE, PERMIT, and ACCESS: Same as the CO-TT2 combination.

ROUTES: Same as the CO-TT2 combination.

LEGAL CITATIONS: Same as the CO-TT2 combination.

STATE: FLORIDA

COMBINATION: Truck tractor and 2 trailing units

LENGTH OF THE CARGO-CARRYING UNITS: 106 feet

OPERATIONAL CONDITIONS: All overdimensional and weight regulations of the Florida Turnpike Authority shall apply to such units unless specifically excluded under the terms of the Tandem Trailer Permit or these regulations.

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WEIGHT: This combination must operate in compliance with State laws and regulations. Because it is not an LCV, it is not subject to the ISTEAs freeze as it applies to maximum weight.

DRIVER: The driver must have a commercial driver's license with the appropriate endorsement. Proposed drivers of tandem-trailer units shall be registered by the Florida Turnpike Authority prior to driving such equipment on the turnpike system. For further information, see Rule 14-62.016 FAC.

VEHICLE: A complete tandem-trailer combination shall consist of a truck tractor, first semitrailer, fifth-wheel converter dolly, and a second semitrailer. The converter dolly may be either a separate unit or an integral component of the first semitrailer. The width shall not exceed 102 inches and the height shall not exceed 13 feet 6 inches. A tractor used in the tandem-trailer operations shall be capable of hauling the maximum gross load to be transported by a permittee at a speed of not less than 40 miles per hour on all portions of the turnpike system excepting that portion of the roadway, as posted in 1988, between mileposts 234 and 238 where a minimum speed of 30 miles per hour will be permitted.

Every tandem-trailer combination shall be equipped with full air brakes or air-activated hydraulic brakes on the tractor and either air or electric brakes on the dolly and trailers.

A tractor, which will be used to haul a complete tandem-trailer combination with a total gross weight of 110,000 pounds or more, shall be equipped with tandem rear axles and driving power shall be applied to all wheels on both axles. When the above tandem-axle tractor is required, a tandem-axle dolly converter must be used.

Every tandem-trailer combination shall be equipped with emergency equipment that equals or exceeds both the equipment requirements and the performance standards cited in Chapter 316, Florida Statutes and subpart H "Emergency Equipment" of 49 CFR 393.95.

A converter (fifth-wheel) dolly used in the tandem-trailer operations may have either single or tandem axles, according to its total gross weight. In addition to the primary towbar(s), the dolly vehicle must be equipped with safety chains or cables for connecting the dolly to the lead semitrailer and must be adequate to prevent breakaway.

Lamps and Reflectors. Each tractor, trailer, and converter dolly in a tandem-trailer combination shall be equipped with electric lamps and reflectors mounted on the vehicle in accordance with Chapter 316, Florida Statutes, and subpart B "Lighting Devices, Reflectors and Electrical Equipment," of 49 CFR 393.9 through 49 CFR 393.33.

Coupling Devices. Coupling devices shall be so designed, constructed, and installed and the vehicles in a tandem-trailer combination shall equal or exceed both the equipment requirements and the performance standards established on 49 CFR 393.70, except that such devices shall be so designed and constructed as to ensure that any such combination traveling on a level, smooth paved surface will follow in the path of the towing vehicle without shifting or swerving from side to side over 2 inches to each side of the path of the vehicle when it is moving in a straight line. (For further information see Rule 14-62.002; 14-62.005; 14-62.006; 14-62.007; 14-62.008; 14-62.009; 14-62.010; 14-62.011; 14-62.012; 14-62.013; and 14-62.015, FAC)

PERMIT: Tandem-trailer units may operate on the turnpike system under a Tandem Trailer Permit issued by the

Florida Turnpike Authority upon application, except as provided in subparagraph (2) below.

(1) The Florida Turnpike Authority shall provide a copy of each such permit to the Motor Carrier Compliance Office.

(2) Tandem-trailer trucks of the dimensions mandated by the STAA of 1982 and operating in compliance with Rule Chapter 14-54, FAC, and under the provisions of section 316.515, Florida Statutes shall be exempt from the provisions of this rule chapter to the extent provided in Rule 14-54.0011, FAC.

(For further information see Rules 14-62.001; 14-62.022; 14-62.023; 14-62.024; 14-62.026; 14-62.027, FAC)

ACCESS: Staging. Tandem-trailer combinations shall be made up and broken up only in special assembly (staging) areas as designated for this purpose. For further information, see Rule 14-62.017, FAC. Make-up and break-up of tandem-trailer combinations shall not be allowed on a public right-of-way unless the area is designated for such use or unless an emergency exists.

ROUTES:

	From	To
Florida's Turnpike	South end Homestead Extension at US 1	Exit 304 Wildwood

LEGAL CITATIONS: Chapter 14-62, "Regulations Governing Tandem Combinations of Florida's Turnpike," Florida Administrative Code.

STATE: HAWAII

COMBINATION: Truck tractor and 2 trailing units

LENGTH OF CARGO CARRYING UNITS: 65 feet

OPERATIONAL CONDITIONS:

WEIGHT: This combination must operate in compliance with State laws and regulations.

DRIVER: The driver must have a commercial driver's license with the appropriate endorsement.

VEHICLE: No load may exceed the carrying capacity of the axles specified by the manufacturer and no combination vehicle shall have a total weight in excess of its designed gross combination weight limit.

PERMITS: No permits are required.

ACCESS: Designated routes off the NN.

ROUTES: All NN routes except HI-95 from H-1 to Barbers Point Harbor.

LEGAL CITATIONS: Chapter 291, Section 34, Hawaii Revised Statutes and Chapter 104 of Title 19, Administrative Rules.

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STATE: IDAHO

COMBINATION: Truck tractor and 2 trailing units—LCV

LENGTH OF THE CARGO-CARRYING UNITS: 95 feet

MAXIMUM ALLOWABLE GROSS WEIGHT: 105,500 pounds

OPERATIONAL CONDITIONS:

WEIGHT: Single axle: 20,000 pounds, tandem axle: 34,000 pounds, and gross vehicle weight up to 105,500 pounds.

Axle spacing: must comply with Idaho Code 49-1001.

Trailer weights: The respective loading of any trailer shall not be substantially greater than the weight of any trailer located ahead of it in the vehicle combination. Substantially greater shall be defined as more than 4,000 pounds heavier.

DRIVER: The driver must have a commercial driver's license with the appropriate endorsement.

VEHICLE: The rules provide that all CMV's with two or more cargo-carrying units (except for truck-trailer combinations which are limited to an 85-foot combination length) are subject to calculated maximum off-tracking (CMOT) limits.

The CMOT formula is:

$$\text{CMOT} = R - [R^2 - (A^2 + B^2 + C^2 + D^2 + E^2)]^{1/2}$$

$$R = 161$$

A, B, C, D, E, etc. = measurements between points of articulation or pivot. Squared dimensions to stinger steer points of articulation are negative.

The power unit of LCV's and extra-length combinations shall have adequate power and traction to maintain a speed of 15 miles per hour under normal operating conditions on any up-grade over which the combination is operated.

Fifth-wheel, drawbar, and other coupling devices shall be as specified by Federal Motor Carrier Safety Regulations, section 393.70.

Every combination operated under special permit authority shall be covered by insurance meeting State and Federal requirements. Evidence of this insurance must be carried in the permitted vehicle.

PERMIT: Permits are required. Permit duration is for 1 year from the date of issuance.

ACCESS: Combinations with a CMOT limit of less than 6.5 feet may use any Interstate or designated highway system interchange for access. Combinations with a CMOT of 6.5 to 8.75 feet may use only the following Interstate System interchanges:

I-15 Exits 58 and 119.

I-84 Exits 3, 49, 50, 52, 54, 57, 95, 168, 173, 182, 208, and 211.

I-86 Exits 36, 40, 56, and 58.

ROUTES: All NN routes.

LEGAL CITATIONS: Other regulations and restrictions that must be complied with are:

Idaho Code 49-1001, -1002, -1004, -1010, and -1011.

Idaho Transportation Department Rules 39.C.01, .06, .08, .09, .10, .11, .15, and .19 —.23.

COMBINATION: Truck tractor and 3 trailing units—LCV

LENGTH OF THE CARGO-CARRYING UNITS: 95 feet

MAXIMUM ALLOWABLE GROSS WEIGHT: 105,500 pounds

OPERATIONAL CONDITIONS: Same as the ID-TT2 combination.

ROUTES: Same as the ID-TT2 combination.

LEGAL CITATIONS: Same as the ID-TT2 combination.

COMBINATION: Truck-trailer

LENGTH OF THE CARGO-CARRYING UNITS: 78 feet

OPERATIONAL CONDITIONS:

WEIGHT: This combination must operate in compliance with State laws and regulations. Because it is not an LCV, it is not subject to the ISTE freeze as it applies to maximum weight.

DRIVER, PERMIT, and ACCESS: Same as the ID-TT2 combination.

VEHICLE: Overall combination length limited to 85 feet.

ROUTES: Same as the ID-TT2 combination.

LEGAL CITATIONS: Same as the ID-TT2 combination.

COMBINATION: Truck-trailer-trailer, and Truck-semi-trailer-trailer.

LENGTH OF THE CARGO-CARRYING UNITS: 98 feet

OPERATIONAL CONDITIONS:

WEIGHT: This combination must operate in compliance with State laws and regulations. Because it is not an LCV, it is not subject to the ISTE freeze as it applies to maximum weight.

DRIVER, PERMIT, and ACCESS: Same as the ID-TT2 combination.

VEHICLE: Overall combination length limited to 105 feet.

ROUTES: Same as the ID-TT2 combination.

LEGAL CITATIONS: Same as the ID-TT2 combination.

STATE: INDIANA

COMBINATION: Truck tractor and 2 trailing units—LCV

LENGTH OF THE CARGO-CARRYING UNITS: 106 feet

MAXIMUM ALLOWABLE GROSS WEIGHT: 127,400 pounds

OPERATIONAL CONDITIONS:

WEIGHT: Single axle = 22,400 pounds. Axles spaced less than 40 inches between centers are considered to be single axles.

Tandem axle = 36,000 pounds. Axles spaced more than 40 inches but less than 9 feet between centers are considered to be tandem axles.

Gross vehicle weight = 90,000 pounds plus 1,070 pounds per foot for each foot of total vehicle length in excess of 60 feet with a maximum gross weight not to exceed 127,400 pounds.

DRIVER: The driver must have a commercial driver's license with the appropriate endorsement, and a Toll Road identification card. Drivers must be at least 26 years old, in good health, and with 5 years of experience driving tractor-semitrailers or tandem-trailer combinations. Experience must include driving in all four seasons.

VEHICLE: Lightest trailer to the rear. Distance between coupled trailers shall not exceed 9 feet. The combination ve-

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hicle, including coupling devices, shall be designed and constructed so as to ensure that while traveling on a level, smooth paved surface each trailing unit will follow in the path of the towing vehicle without shifting or swerving from side to side more than 3 inches. The combination vehicle must have at least five axles but not more than nine axles and except on ramps be able to achieve and maintain a speed of 45 miles per hour. Following distance is 500 feet, and passing maneuvers must be completed within 1 mile. The truck tractor must be equipped at a minimum with emergency equipment including fire extinguisher, spare fuses, tire chains, tire tread minimums, and disabled vehicle warning devices. Every dolly must be coupled with safety chain directly to the frame of the semitrailer by which it is towed. Each unit in a multi-trailer combination must be equipped at a minimum with electric lights and reflectors mounted on the vehicle.

PERMIT: A free annual tandem-trailer permit must be obtained from the Indiana DOT for loads which exceed 90,000 pounds. A multiple-trip access permit, for which a fee is charged, must also be obtained for access to points of delivery or to breakdown locations. Permission to operate can be temporarily suspended by the Indiana DOT due to weather, road conditions, holiday traffic, or other emergency conditions. Any oversize vehicle whose length exceeds 80 feet shall not be operated at a speed in excess of 45 miles per hour. Oversize loads are not to be operated at any time when wind velocity exceeds 25 miles per hour.

ACCESS: 15 miles from toll gates.

ROUTES:

	From	To
I-80/90 (IN Toll Road)	Toll Road Gate 21	Ohio
I-90 (IN Toll Road)	Illinois	Toll Road Gate 21

LEGAL CITATIONS:

Indiana Code 9-8-1-16

Indiana Code 8-15-2

135 Indiana Administrative Code 2

COMBINATION: Truck tractor and 3 trailing units—LCV

LENGTH OF THE CARGO-CARRYING UNITS: 104.5 feet

MAXIMUM ALLOWABLE GROSS WEIGHT: 127,400 pounds

OPERATIONAL CONDITIONS:

WEIGHT, DRIVER, PERMIT, and ACCESS: Same as the IN-TT2 combination.

VEHICLE: Semitrailers and trailers shall not be longer than 28.5 feet, and the minimum number of axles for the combination is seven. Three trailing unit combinations must be equipped with adequate spray-suppressant mud flaps which are properly maintained.

ROUTES: Same as the IN-TT2 combination.

LEGAL CITATIONS: Same as the IN-TT2 combination.

COMBINATION: Combination of three or more vehicles coupled together

LENGTH OF THE CARGO CARRYING UNITS: 58 feet

OPERATIONAL CONDITIONS:

WEIGHT: This combination must operate in compliance with State laws and regulations. Because it is not an LCV, it is not subject to the ISTEA freeze as it applies to maximum weight.

DRIVER: The driver must have a commercial driver's license with the appropriate endorsement.

VEHICLE: The maximum width is 102 inches, and the maximum height is 13 feet 6 inches.

PERMIT: None required.

ACCESS: Unlimited.

ROUTES: All roads within the State.

LEGAL CITATIONS: Indiana Code 9-8-1-2

STATE: IOWA

COMBINATION: Truck tractor and 2 trailing units—LCV

LENGTH OF THE CARGO-CARRYING UNITS: 100 feet when entering Sioux City from South Dakota or South Dakota from Sioux City; 65 feet when entering Sioux City from Nebraska or Nebraska from Sioux City.

MAXIMUM ALLOWABLE GROSS WEIGHT: 129,000 pounds when entering Sioux City from South Dakota or South Dakota from Sioux City; 95,000 pounds when entering Sioux City from Nebraska or Nebraska from Sioux City.

OPERATIONAL CONDITIONS:

Iowa allows vehicles from South Dakota and Nebraska access to terminals which are located within the corporate limits of Sioux City and its commercial zone as shown in 49 CFR 1048.101 on November 28, 1995. These vehicles must be legal in the State from which they enter Iowa.

WEIGHT, DRIVER, VEHICLE, and PERMIT: Same conditions which apply to a truck tractor and 2 trailing units legally operating in South Dakota or Nebraska.

ACCESS: These combinations may operate on any road within the corporate limits of Sioux City and its commercial zone as shown in 49 CFR 1048.101 on November 28, 1995, when authorized by appropriate State or local authority.

ROUTES: LCV combinations may operate on all Interstate System routes in Sioux City and its commercial zone as shown in 49 CFR 1048.101 on November 28, 1995. If subject only to the ISTEA freeze on length, they may operate on all NN routes in Sioux City and its commercial zone, as above.

LEGAL CITATIONS: Iowa Code §321.457(2)(f)(1995).

COMBINATION: Truck tractor and 3 trailing units—LCV

LENGTH OF CARGO-CARRYING UNITS: 100 feet when entering Sioux City from South Dakota or South Dakota from Sioux City.

MAXIMUM ALLOWABLE GROSS WEIGHT: 129,000 pounds when entering Sioux City from South Dakota or South Dakota from Sioux City.

OPERATIONAL CONDITIONS:

WEIGHT, DRIVER, VEHICLE, and PERMIT: Same as the SD-TT3 combination.

ACCESS: Same as the IA-TT2 combination.

ROUTES: Same as the IA-TT2 combination.

LEGAL CITATION: Same as the IA-TT2 combination.

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COMBINATION: Truck-trailer

LENGTH OF THE CARGO-CARRYING UNITS: 78 feet when entering Sioux City from South Dakota or South Dakota from Sioux City; 68 feet when entering Sioux City from Nebraska or Nebraska from Sioux City.

OPERATIONAL CONDITIONS:

Iowa allows vehicles from South Dakota and Nebraska access to terminals which are located within the corporate limits of Sioux City and its commercial zone, as shown in 49 CFR 1048.101 on November 28, 1995. These vehicles must be legal in the State from which they enter Iowa.

WEIGHT, DRIVER, VEHICLE, AND PERMIT: Same conditions which apply to a truck-trailer combination legally operating in Nebraska or South Dakota.

ACCESS: Same as the IA-TT2 combination.

ROUTES: Same as IA-TT2 combination.

LEGAL CITATION: Same as the IA-TT2 combination.

STATE: KANSAS

COMBINATION: Truck tractor and 2 trailing units—LCV

LENGTH OF THE CARGO-CARRYING UNITS: 109 feet

MAXIMUM ALLOWABLE GROSS WEIGHT: 120,000 pounds

OPERATIONAL CONDITIONS:

WEIGHT: Combinations consisting of a truck tractor and two trailing units must comply with the Federal Bridge Formula, with maximum weights of 20,000 pounds on a single axle and 34,000 pounds on a tandem axle, and with a maximum gross weight of 120,000 pounds.

DRIVER: The driver must have a commercial driver's license with the appropriate endorsement.

VEHICLE: Truck tractor and two trailing unit combinations must meet legal width and height with no time-of-day travel restrictions or other special requirements.

PERMIT: Permits are not required for operation on the Kansas Turnpike. A permit is required for access between the Turnpike and motor freight terminals located within a 10-mile radius of each toll booth, except at the northeastern end of the Turnpike where a 20-mile radius is allowed. Access permits are valid for 6 months.

ACCESS: Turnpike access routes include all routes between the Turnpike and a motor freight terminal located within a 10-mile radius of each toll booth, except at the northeastern end of the Turnpike where a 20-mile radius is allowed.

ROUTES:

	From	To
I-35 Kansas Tpk. Authority (KTA)	Oklahoma	KTA Exit 127
I-70 KTA	KTA Exit 182	KTA Exit 223
I-335 KTA	KTA Exit 127	KTA Exit 177
I-470 KTA	KTA Exit 177	KTA Exit 182

LEGAL CITATIONS:

Kansas Statutes Annotated (KSA):

KSA 8-1911, KSA 68-2004, KSA 68-2019,

KSA 8-1914, KSA 68-2005, KSA 68-2048a,

KSA 68-2003.

COMBINATION: Truck tractor and 3 trailing units—LCV

LENGTH OF THE CARGO-CARRYING UNITS: 109 feet

MAXIMUM ALLOWABLE GROSS WEIGHT: 120,000 pounds

OPERATIONAL CONDITIONS: The operations of triple trailing unit combinations are governed by two sets of criteria: (1) the Turnpike and Turnpike access rules, and (2) the SVC rules which apply off of the Turnpike except in the case of vehicles operating under Turnpike access authority. The Turnpike and Turnpike access rules allow a maximum combination vehicle length of 119 feet overall. The SVC rules require "Triples" to have trailers of no more than 28.5 feet maximum length or a cargo-carrying length of approximately 95 feet.

The Turnpike and Turnpike access rules have no time-of-day travel restrictions or other special requirements.

The SVC rules have several operational conditions. SVC's cannot operate on holidays or during holiday weekends. SVC's cannot be dispatched or operated during adverse weather conditions. SVC's must travel in the right lane, except for passing, and the following distance is 100 feet for every 10 miles per hour. SVC permits can include any restrictions deemed necessary, including specific routes and hours, days, and/or seasons of operation. Rules and regulations can be promulgated regarding driver qualifications, vehicle equipment, and operational standards.

WEIGHT: All triple trailing unit combinations must comply with the Federal Bridge Formula with maximum axle weights of 20,000 pounds on a single axle and 34,000 pounds on a tandem axle. The maximum gross weight is 120,000 pounds on the Turnpike and Turnpike access routes, but the SVC's have a maximum weight of 110,000 pounds.

DRIVER: A commercial driver's license with the appropriate endorsement is required under both Turnpike and SVC rules. In addition, for SVC operation drivers must have completed SVC driver training and a company road test. Drivers must also have 2 years of experience driving tractor-semi-trailers and 1 year driving doubles.

VEHICLE: Vehicle requirements apply to the SVC program only. All axles, except steering axles, must have dual wheels, and all vehicles must be able to achieve and maintain a speed of 40 miles per hour on all grades. Anti spray mud flaps shall be attached to the rear of each axle except the steering axle. Mud flaps shall have a surface designed to absorb and deflect excess moisture to the road surface. Drop and lift axles are prohibited. Vehicles may have a minimum of six and a maximum of nine axles. The heaviest trailers are to be placed forward. Hazardous cargo is prohibited. Convex mirrors are required on both sides of the cab. Equipment must comply with the requirements of 49 CFR 390-399.

Any SVC shall be stable at all times during normal braking and normal operation. When traveling on a level, smooth paved surface, an SVC shall follow the towing vehicle without shifting or swerving beyond the restraints of the lane of travel.

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PERMIT: Same as the KS-TT2 combination on the Turnpike and Turnpike access routes. A fee per company plus a permit fee for each power unit is required for the SVC program, and the SVC permits are valid for 1 year. SVC's operated pursuant to regulation 36-1-33 under an annual permit shall be covered by insurance.

ACCESS: Turnpike access routes include all routes between the Turnpike and a motor freight terminal located within a 10-mile radius of each toll booth, except at the north-eastern end of the Turnpike where a 20-mile radius is allowed. SVC access routes include all routes between the Interstate and a motor freight terminal located within 5 miles of the Interstate at Goodland.

ROUTES:

A. For vehicles subject to the Turnpike and Turnpike access rules:

	From	To
I-35 Kansas Tpk.	Oklahoma	KTA Exit 127
I-70 KTA	KTA Exit 182	KTA Exit 223
I-335 KTA	KTA Exit 127	KTA Exit 177
I-470 KTA	KTA Exit 177	KTA Exit 182

B. For vehicles subject to the SVC rules:

	From	To
I-70	Colorado	I-70 Exit 19 Goodland

LEGAL CITATIONS: Same as the KS-TT2 combination, plus KSA 8-1915.

STATE: MASSACHUSETTS

COMBINATION: Truck tractor and 2 trailing units—LCV

LENGTH OF CARGO-CARRYING UNITS: 104 feet

MAXIMUM ALLOWABLE GROSS WEIGHT: 127,400 pounds

OPERATIONAL CONDITIONS:

WEIGHT: Any combination of vehicles may not exceed a maximum gross weight of 127,400 pounds. The maximum gross weight of the tractor and first semitrailer shall not exceed 71,000 pounds. The maximum gross weight of each unit of dolly and semitrailer shall not exceed 56,400 pounds. The maximum gross weight for the tractor and first semitrailer is governed by the formula 35,000 pounds plus 1,000 pounds per foot between the center of the foremost axle and the center of the rear most axle of the semitrailer. The maximum gross weight on any one axle is 22,400 pounds, and on any tandem axle it is 36,000 pounds. Axles less than 46 inches between centers are considered to be one axle.

DRIVER: The driver must have a commercial driver's license with the appropriate endorsement and must be registered with the Massachusetts Turnpike Authority (MTA). Registration shall include all specified driving records, safety records, physical examinations, and minimum of 5 years of driving experience with tractor trailers.

VEHICLE:

(1) Brake Regulation. The brakes on any vehicle, dolly converter, or combination of vehicles used in tandem-trailer operations as a minimum shall comply with Federal Motor

Carrier Safety Regulations in 49 CFR 393. In addition, any vehicle, dolly converter or combination of vehicles used in tandem-trailer operations shall meet the requirements of the provisions of the Massachusetts Motor Vehicle Law. Tandem-trailer combinations certified on or after June 1, 1968, shall be equipped with suitable devices to accelerate application and release of the brakes of the towed vehicle.

(2) Axles. A tractor used to haul a tandem trailer combination with a gross weight of more than 110,000 pounds shall be equipped with tandem rear axles, each of which shall be engaged to bear its full share of the load on the roadway surface.

(3) Tandem Assembly. When the gross weight of the trailers vary by more than 20 percent, they shall be coupled with the heaviest trailer attached to the tractor. Coupling devices and towing devices shall comply with the Federal regulations as stated in 49 CFR 393. When the distance between the rear of the one semitrailer and the front of the following semitrailer is 10 feet or more, the dolly shall be equipped with a device, or the trailers shall be connected along the sides with suitable material, which will indicate to other Turnpike users that the trailers are connected and are in effect one unit. The MTA shall approve the devices or connections to be used on the semitrailers that would indicate it is one unit. Coupling devices shall be so designed, constructed, and installed, and the vehicles in a tandem trailer combination shall be so designed and constructed to ensure that when traveling on a level, smooth paved surface they will follow in the path of the towing vehicle without shifting or swerving over 3 inches to each side of the path of the towing vehicle when it is moving in a straight line. A tandem trailer unit may pass another vehicle traveling in the same direction only if the speed differential will allow the tandem trailer unit to complete the maneuver and return to the normal driving lane within a distance of 1 mile.

Each truck tractor shall be equipped with at least one spare fuse or other overload protective device, if the devices are not of a reset type, for each kind and size used. The vehicle is to carry at least one set of tire chains for at least one driving wheel on each side between October 15 and May 1 of each year. Each truck tractor shall carry a fire extinguisher which shall have an aggregate rating of 20 BC.

PERMIT: A permittee must demonstrate to the MTA that it has insurance coverage of the type and amounts required by Turnpike regulation. Both the tractor manufacturer and the permittee shall certify to the MTA, prior to the approval of a tractor, that it is capable of hauling the maximum permissible gross load to be transported by the permittee at a speed not less than 20 miles per hour on all portions of the turnpike system. The MTA may revoke or temporarily suspend any permit at will and the instructions of the MTA or Massachusetts State Police shall be complied with immediately.

ACCESS: Makeup and breakup areas. Tandem trailer units shall not leave the Turnpike right-of-way and shall be assembled and disassembled only in designated areas.

ROUTES:

	From	To
I-90 Mass Turnpike	New York State Turnpike	Exit 18 Boston

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LEGAL CITATIONS:

The MTA, Massachusetts Rules and Regulations 730, and CMR 4.00.

STATE: MICHIGAN

COMBINATION: Truck tractor and 2 trailing units—LCV

LENGTH OF CARGO-CARRYING UNITS: 58 feet

MAXIMUM ALLOWABLE GROSS WEIGHT: 164,000 pounds

OPERATIONAL CONDITIONS:

WEIGHT: The single-axle weight limit for LCV's is 18,000 pounds for axles spaced 9 feet or more apart. For axles spaced more than 3.5 feet but less than 9 feet apart, the single-axle weight limit is 13,000 pounds. The tandem-axle weight limit is 16,000 pounds per axle for the first tandem and 13,000 pounds per axle for all other tandems. Axles spaced less than 3.5 feet apart are limited to 9,000 pounds per axle. Maximum load per inch width of tire is 700 pounds. Maximum gross weight is determined based on axle and axle group weight limits.

When restricted seasonal loadings are in effect, load per inch width of tire and maximum axle weights are reduced as follows: Rigid pavements — 525 pounds per inch of tire width, 25 percent axle weight reduction; Flexible pavements — 450 pounds per inch of tire width, 35 percent axle weight reduction.

DRIVER: The driver must have a commercial driver's license with the appropriate endorsement.

VEHICLE: Truck height may not exceed 13.5 feet. There is no overall length for LCV's operating on the Interstate System when semitrailer and trailer lengths do not exceed 28.5 feet. If either the trailer or semitrailer is longer than 28.5 feet, the distance from the front of the first box to the rear of the second box may not exceed 58 feet. A combination of vehicles shall not have more than 11 axles, and the ratio of gross weight to net horsepower delivered to the clutch shall not exceed 400 to 1.

PERMIT: Permits for divisible loads of more than 80,000 pounds must conform to either Federal or grandfathered axle and bridge spacing requirements.

ACCESS: All designated State highways.

ROUTES: All Interstate routes and designated State highways.

LEGAL CITATIONS:

Michigan Public Act 300, section 257.722

Michigan Public Act 300, section 257.719

COMBINATION: Truck-Trailer

LENGTH OF CARGO-CARRYING UNITS: 63 FEET

OPERATIONAL CONDITIONS:

WEIGHT: This combination must operate in compliance with State laws and regulations. Because it is not an LCV, it is not subject to the ISTEAs freeze as it applies to maximum weight.

DRIVER: The driver must have a commercial driver's license with appropriate endorsement.

VEHICLE: The overall length of this combination is limited to 70 feet. The only cargo that may be carried is saw logs, pulpwood, and tree length poles.

PERMIT: None required.

ACCESS: All NN routes.

ROUTES: All NN routes.

LEGAL CITATIONS: Michigan Public Act 300, section 257.719.

STATE: MISSISSIPPI

COMBINATION: Truck tractor and 2 trailing units

LENGTH OF THE CARGO-CARRYING UNITS: 65 feet

OPERATIONAL CONDITIONS:

WEIGHT: This combination must operate in compliance with State laws and regulations.

DRIVER: The driver must have a commercial driver's license with the appropriate endorsement.

VEHICLE: Each trailing unit may be a maximum of 30 feet long.

PERMIT: None required.

ACCESS: No restrictions, may operate Statewide.

ROUTES: All NN routes.

LEGAL CITATIONS: Section 63-5-19, Mississippi Code, Annotated, 1972.

STATE: MISSOURI

COMBINATION: Truck tractor and 2 trailing units—LCV

LENGTH OF THE CARGO-CARRYING UNITS: 110 feet

MAXIMUM ALLOWABLE GROSS WEIGHT: 120,000 pounds when entering Missouri from Kansas; 95,000 pounds when entering from Nebraska; 90,000 pounds when entering from Oklahoma.

OPERATIONAL CONDITIONS:

Missouri allows vehicles from neighboring States access to terminals in Missouri which are within 20 miles of the Missouri State Line. These vehicles must be legal in the State from which they are entering Missouri.

WEIGHT, DRIVER, VEHICLE: Same conditions which apply to a truck tractor and two trailing units legally operating in Kansas, Nebraska, or Oklahoma.

PERMIT: Annual blanket over dimension permits are issued to allow a truck tractor and two trailing units legally operating in Kansas, Nebraska, or Oklahoma to move to and from terminals in Missouri which are located within a 20-mile band of the State Line for these three States. There is a permit fee per power unit. The permits carry routine permit restrictions, but do not address driver qualifications or any other restrictions not included in the rules and regulations for all permitted movement.

ACCESS: Routes as necessary to reach terminals.

ROUTES: All NN routes within a 20-mile band from the Kansas, Nebraska, and Oklahoma borders.

LEGAL CITATIONS: §304.170 & §304.200 Revised Statutes of Missouri 1990.

COMBINATION: Truck tractor and 3 trailing units—LCV

LENGTH OF THE CARGO-CARRYING UNITS: 109 feet

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MAXIMUM ALLOWABLE GROSS WEIGHT: 120,000 pounds when entering Missouri from Kansas; 90,000 pounds when entering from Oklahoma.

OPERATIONAL CONDITIONS:

Missouri allows vehicles from neighboring States access to terminals in Missouri which are within 20 miles of the Missouri State Line. These vehicles must be legal in the State from which they are entering Missouri.

WEIGHT, DRIVER, VEHICLE: Same conditions which apply to a truck tractor and three trailing units legally operating in Kansas or Oklahoma.

PERMIT: Annual blanket overdimension permits are issued to allow a truck tractor and three trailing units legally operating in Kansas or Oklahoma, to move to and from terminals in Missouri which are located within a 20-mile band of the State Line for these two States. There is a permit fee per power unit. The permits carry routine permit restrictions, but do not address driver qualifications or any other restrictions not included in the rules and regulations for all permitted movement.

ACCESS: Routes as necessary to reach terminals.

ROUTES: All NN routes within a 20-mile band from the Kansas and Oklahoma borders.

LEGAL CITATIONS: §304.170 & §304.200 Revised Statutes of Missouri 1990.

STATE: MONTANA

COMBINATION: Truck tractor and 2 trailing units—LCV

LENGTH OF CARGO-CARRYING UNITS: 93 feet

MAXIMUM ALLOWABLE GROSS WEIGHT: 137,800 pounds for vehicles operating under the Montana/Alberta Memorandum of Understanding (MOU). For other MT-TT2 combinations, the maximum allowable gross weight is 131,060 pounds.

OPERATIONAL CONDITIONS:

WEIGHT: Except for vehicles operating under the MOU, any vehicle carrying a divisible load over 80,000 pounds must comply with the Federal Bridge Formula found in 23 U.S.C. 127.

Maximum single-axle limit: 20,000 pounds
Maximum tandem-axle limit: 34,000 pounds
Maximum gross weight limit: 131,060 pounds
Maximum weight allowed per inch of tire width is 600 pounds.

WEIGHT, MONTANA/ALBERTA MOU:

Maximum single-axle limit: 20,000 pounds
Maximum tandem-axle limit: 37,500 pounds
Maximum tridem-axle limit:
Axles spaced from 94" to less than 118": 46,300 pounds
Axles spaced from 118" to less than 141": 50,700 pounds
Axles spaced from 141" to 146": 52,900 pounds
Maximum gross weight:
A-Train: 118,000 pounds
B-Train (eight axle): 137,800 pounds
B-Train (seven axle): 124,600 pounds

The designation of "A-Train" or "B-Train" refers to the manner in which the two trailing units are connected.

DRIVER: The driver must have a commercial driver's license with the appropriate endorsement.

VEHICLE: No special requirements beyond compliance with Federal Motor Carrier Safety Regulations.

PERMIT: Special permit required for double trailer combinations if either trailer exceeds 28.5 feet. Permits are available on an annual or a trip basis and provide for continuous travel. Statutory reference: 61-10-124, MCA. For vehicles being operated under the Montana/Alberta MOU, operators must have paid gross vehicle weight fees for the total weight being carried. In addition, a term Restricted Route and Over-size Permit for which an annual fee is charged must be obtained. Finally, vehicle operators must secure a single-trip, overweight permit prior to each trip.

ACCESS: Access must be authorized by the Montana DOT. For vehicles operated under the Montana/Alberta MOU, access routes from I-15 into Shelby are authorized when permits are issued. For vehicles with a cargo-carrying length greater than 88 feet, but not more than 93 feet, a 2-mile access from the Interstate System is automatically granted to terminals and service areas. Access outside the 2-mile provision may be granted on a case-by-case basis by the Administrator of the Motor Carrier Services Division.

ROUTES: Combinations with a cargo-carrying length greater than 88 feet, but not more than 93 feet, are limited to the Interstate System. Combinations with a cargo-carrying length of 88 feet or less can use all NN routes except U.S. 87 from milepost 79.3 to 82.5. For vehicles being operated under the Montana/Alberta MOU, the only route available is I-15 from the border with Canada to Shelby.

LEGAL CITATION:

61-10-124 MCA , 61-10-104 MCA, ARM 18.8.509(6)
61-10-107 (3) MCA , 61-10-121 MCA, ARM 18.8.517, 518
Montana/Alberta Memorandum of Understanding
Administrative Rules of Montana

COMBINATION: Truck tractor and 3 trailing units—LCV

LENGTH OF THE CARGO-CARRYING UNITS: 100 feet

MAXIMUM ALLOWABLE GROSS WEIGHT: 131,060 pounds

OPERATIONAL CONDITIONS:

WEIGHT: Any vehicle carrying a divisible load over 80,000 pounds must comply with the Federal Bridge Formula found in 23 U.S.C. 127.

Maximum single-axle limit: 20,000 pounds
Maximum tandem-axle limit: 34,000 pounds
Maximum gross weight limit: 131,060 pounds
Maximum weight allowed per inch of tire width is 600 pounds.

DRIVER: Drivers of three trailing unit combinations must be certified by the operating company. This certification includes an actual driving test and knowledge of Federal Motor Carrier Safety Regulations and State law pertaining to triple vehicle operations. Drivers are also required to have a commercial driver's license with the appropriate endorsement.

VEHICLE: The 100-foot cargo-carrying length is only with a conventional tractor within a 110-foot overall length limit. If a cab over tractor is used, the cargo length is 95 feet within a

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105-foot overall length limit. Vehicles involved in three trailing unit operations must comply with the following regulations:

1. Shall maintain a minimum speed of 20 miles per hour on any grade;
2. Kingpins must be solid and permanently affixed;
3. Hitch connections must be no-slack type;
4. Drawbars shall be of minimum practical length;
5. Permanently affixed axles must be designed for the width of the trailer;
6. Anti-sail mudflaps or splash and spray suppression devices are required;
7. The heavier trailers shall be in front of lighter trailers;
8. A minimum distance of 100 feet per 10 miles per hour is required between other vehicles except when passing;
9. Operating at speeds greater than 55 miles per hour is prohibited; and
10. Vehicle and driver are subject to Federal Motor Carrier Safety Regulations.

Reference: 18.8.517 Administrative Rules of Montana.

PERMIT: Special triple vehicle permits are required for the operation of these combinations. Permits are available on an annual or trip basis. Permits are good for travel on the Interstate System only and are subject to the following conditions:

1. Travel is prohibited during adverse weather conditions;
2. Transportation of Class A explosives is prohibited; and
3. Companies operating triple combinations must have an established safety program including driver certifications.

ACCESS: Access is for 2 miles beyond the Interstate System, or further if granted by the Administrator of the Motor Carrier Services Division.

ROUTES: Interstate System routes in the State.

LEGAL CITATION: 18.8.517 Administrative Rules of Montana

COMBINATION: Truck-Trailer

LENGTH OF CARGO-CARRYING UNITS: 88 feet

OPERATIONAL CONDITIONS:

WEIGHT: This combination must operate in compliance with State laws and regulations. Because it is not an LCV, it is not subject to the ISTE freeze as it applies to maximum weight.

DRIVER, and **ACCESS:** Same as the MT-TT2 combination.

VEHICLE: Same as the MT-TT2 combination, except overall length limited to 95 feet.

PERMIT: Special permit required if overall length exceeds 75 feet. Special permits allow continuous travel and are available on an annual or trip basis.

ROUTES: Same as the MT-TT2 combination.

LEGAL CITATIONS: 61-10-121 and 61-10-124, MCA

COMBINATION: Truck-trailer-trailer

LENGTH OF THE CARGO-CARRYING UNITS: 103 feet

OPERATIONAL CONDITIONS:

WEIGHT: This combination must operate in compliance with State laws and regulations. Because it is not an LCV, it is not subject to the ISTE freeze as it applies to maximum weight.

DRIVER, PERMIT, and **ACCESS:** Same as the MT-TT2 combination.

VEHICLE: The cargo-carrying unit length is 103 feet with a conventional truck within a 110-foot overall length limit, and 98 feet with a cab-over-engine truck within a 105-foot overall length limit. On two-lane highways the cargo-carrying unit length is 88 feet within a 95-foot overall length limit.

ROUTES: All NN routes except U.S. 87 between mileposts 79.3 and 82.5.

LEGAL CITATIONS:

61-10-124 MCA

61-10-121 MCA

ARM 18-8-509

STATE: NEBRASKA

COMBINATION: Truck tractor and 2 trailing units—LCV

LENGTH OF THE CARGO-CARRYING UNITS: 95 feet for combination units traveling empty. 65 feet for combination units carrying cargo, except those carrying seasonally harvested products from the field where they are harvested to storage, market, or stockpile in the field, or from stockpile to market, which may extend the length to 71.5 feet.

MAXIMUM ALLOWABLE GROSS WEIGHT: 95,000 pounds

OPERATIONAL CONDITIONS:

WEIGHT:

Maximum Weight:

Single axle = 20,000 pounds

Tandem axle = 34,000 pounds

Gross = Determined by Federal Bridge Formula B, but not to exceed 95,000 pounds.

Truck tractor and 2 trailing unit combinations with a length of cargo-carrying units of over 65 feet are required to travel empty.

DRIVER: The driver must have a commercial driver's license with the appropriate endorsement. There are no additional special qualifications where the cargo-carrying unit lengths are 65 feet or less. For cargo-carrying unit lengths over 65 feet, the driver must comply with all State and Federal requirements and must not have had any accidents while operating such vehicles.

VEHICLE: For combinations with a cargo-carrying length over 65 feet, but not over 85 feet, the semitrailer cannot exceed 48 feet in length and the full trailer cannot be less than 26 feet or more than 28 feet long. The shorter trailer must be placed to the rear. The wheel path of the trailer(s) cannot vary more than 3 inches from that of the towing vehicle.

For combinations with a cargo-carrying length greater than 85 feet, up to and including 95 feet, the trailers must be of approximately equal length.

PERMIT: A weight permit in accordance with Chapter 12 of the Nebraska Department of Roads (NDOR) Rules and Regulations is required for operating on the Interstate System with weight in excess of 80,000 pounds. A length permit, in accordance with Chapters 8 or 11 of the NDOR Rules and Regulations, is required for two trailing unit combinations with a length of cargo-carrying units over 65 feet. Except for permits issued to carriers hauling seasonally harvested products in combinations with a cargo-carrying length greater than 65 feet but not more than 71.5 feet which may move as necessary to accommodate crop movement requirements, holders of length permits are subject to the following conditions. Movement is prohibited on Saturdays, Sundays, and holidays: when ground wind speed exceeds 25 miles per hour: when visibility is less than 800 feet; or when steady rain, snow, sleet, ice, or other conditions cause slippery pavement. Beginning November 15 until April 16 permission to move must be obtained from the NDOR Permit Office within 3 hours of movement. Beginning April 16 until November 15 permission to move must be obtained within 3 days of the movement. Fees are charged for all permits. Length permits for combinations carrying seasonally harvested products are valid for 30 days and are renewable but may not authorize operation for more than 150 days per year. All permits are subject to

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revocation if the terms are violated.

ACCESS: Access to NN routes is not restricted for two trailing unit combinations with a cargo-carrying length of 65 feet or less, or 71.5 feet or less if involved in carrying seasonally harvested products. For two trailing unit combinations with a cargo-carrying length greater than 65 feet and not involved in carrying seasonally harvested products, access to and from I-80 is limited to designated staging areas within six miles of the route between the Wyoming State Line and Exit 440 (Nebraska Highway 50); and except for weather, emergency, and repair, cannot reenter I-80 after exiting.

ROUTES: Except for length permits issued to carriers hauling seasonally harvested products in combinations with a cargo-carrying length greater than 65 feet but not more than 71.5 feet which may use all non-Interstate NN routes, vehicles requiring length permits are restricted to Interstate 80 between the Wyoming State Line and Exit 440 (Nebraska Highway 50). Combinations not requiring length permits may use all NN routes.

LEGAL CITATIONS:

Nebraska Revised Statutes Reissued 1988
§39-6,179 (Double trailers under 65 feet)
§39-6,179.01 (Double trailers over 65 feet)
§39-6,180.01 (Authorized weight limits)
§39-6,181 (Vehicles; size; weight; load; overweight; special permits; etc.)
Nebraska Department of Roads Rules and Regulations, Title 408, Chapter 1 (Double trailers over 65 feet)

COMBINATION: Truck tractor and 3 trailing units

LENGTH OF THE CARGO-CARRYING UNITS: 95 feet

OPERATIONAL CONDITIONS:

WEIGHT: A truck tractor and three trailing unit combination is required to travel empty.

DRIVER: Same as the NE-TT2 combination.

PERMIT: A length permit, in accordance with Chapter 11 of the NDOR Rules and Regulations is required for a three trailing unit combination. Conditions of the length permit prohibit movements on Saturdays, Sundays, and holidays: when ground wind speed exceeds 25 miles per hour; and when visibility is less than 800 feet. Movement is also prohibited during steady rain, snow, sleet, ice, or other conditions causing slippery pavement. Beginning November 15 until April 16 permission to move must be obtained from the NDOR Permit Office within 3 hours of movement. Beginning April 16 until November 15 permission to move must be obtained with 3 days of the movement. A fee is charged for the annual length permit. These permits can be revoked if the terms are violated.

ACCESS: Access to and from I-80 is limited to designated staging areas within 6 miles of the route between Wyoming State Line and Exit 440 (Nebraska Route 50). Except for weather, emergency, and repair, three trailing unit combinations cannot reenter the Interstate after having exited.

VEHICLE: A three trailing unit combination must have trailers of approximately equal length and the overall vehicle length cannot exceed 105 feet.

ROUTES: I-80 from Wyoming to Exit 440 (Nebraska Highway 50).

LEGAL CITATIONS:

Neb. Rev. Stat. §39-6.179,01 (Reissue 1988)
Nebraska Department of Roads Rules and Regulations, Title 408, Chapter 1

COMBINATION: Truck-trailer

LENGTH OF THE CARGO-CARRYING UNITS: 68 feet

OPERATIONAL CONDITIONS:

WEIGHT: This combination must operate in compliance with State laws and regulations. Because it is not an LCV, it is not subject to the ISTEAs freeze as it applies to maximum weight.

DRIVER: The driver must have a commercial driver's license with the appropriate endorsement.

VEHICLE: The overall vehicle length, including load, cannot exceed 75 feet.

PERMIT: No permit is required.

ACCESS: Statewide during daylight hours only.

ROUTES: All NN routes.

LEGAL CITATIONS: Neb. Rev. Stat. §39-6,179

STATE: NEVADA

COMBINATION: Truck tractor and 2 trailing units—LCV

LENGTH OF THE CARGO-CARRYING UNITS: 95 feet

MAXIMUM ALLOWABLE GROSS WEIGHT: 129,000 pounds

OPERATIONAL CONDITIONS:

WEIGHT: The single-axle weight limit is 20,000 pounds, the tandem-axle weight limit is 34,000 pounds, and the gross weight is subject to the Federal Bridge Formula limits, provided that two consecutive tandems with a distance of 36 feet or more between the first and last axle may carry 34,000 pounds on each tandem.

DRIVER: The driver must have a commercial driver's license with the appropriate endorsement, be at least 25 years old, and have had a medical exam within previous 24 months.

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Every operator must be covered by a liability insurance policy with personal injury and property damage limits meeting State requirements.

VEHICLE: No trailer may be longer than 48 feet. If one trailer is 48 feet long, the other trailer cannot exceed 42 feet. Towed vehicles must not shift or sway more than 3 inches to right or left and must track in a straight line on a level, smooth paved highway. Vehicles must be able to accelerate and operate on a level highway at speeds which are compatible with other traffic and with the speed limits and must be able to maintain a minimum of 20 miles per hour on any grade on which they may operate. All vehicles must have safety chains on converter dollies. Vehicles must carry snow chains for each drive wheel.

Vehicle operations may be suspended in adverse weather and high winds, as determined by police or the Nevada DOT.

The shortest trailer must be in the rear of a combination unless it is heavier than the longer trailer.

Brakes must comply with all State and Federal requirements for commercial vehicles including automatic braking for separation of vehicles, parking brakes, and working lights.

Vehicles must not exceed posted speed limits and cannot operate on any highway on which they cannot at all times stay on the right side of the center line. All LCV's must keep a distance of at least 500 feet from each other.

Every full-sized truck or truck tractor used in a combination of vehicles must be equipped with at least the following emergency and safety equipment:

1. One fire extinguisher which meets "Classification B" of the National Fire Protection Association.
2. One spare light bulb for every electrical lighting device used on the rear of the last vehicle in a combination of vehicles.
3. One spare fuse for each different kind and size of fuse used in every vehicle in the combination of vehicles. If the electrical system of any vehicle in the combination contains any devices for protection of electrical circuits from overloading, other than fuses and circuit breakers which can be reset, one spare of each such device must be kept as emergency and safety equipment.
4. Any flares, reflectors or red electrical lanterns which meet State or Federal law or regulation.

Before operating a combination of vehicles on a highway of this State, the owner or operator of the combination shall certify to the Nevada DOT, on a form provided by it, that all vehicles and equipment in the combination meet the requirements of and will be operated in compliance with NAC 484.300 to 484.440, inclusive.

All axles except for steering axles and axles that weigh less than 10,000 pounds must have at least four tires unless the tire width of each tire on the axles is 14 inches or greater.

PERMIT: Permits are required and a fee is charged. They may be revoked for violation of any of the provisions of the legal regulations. The State may suspend operation on roads deemed unsafe or impracticable. Permits must be carried in the vehicle along with identification devices issued by the Nevada Department of Motor Vehicles.

ACCESS: As authorized by the Nevada DOT.

ROUTES: All NN routes, except US 93 from Nevada State route 500 to Arizona.

LEGAL CITATIONS: NRS 484.400, .405(4), .425, .430, .739, 408.100-4, .100-6(a), and 706.531. Also, "Regulations for the Operation of 70 to 105 foot Combinations" (1990)

COMBINATION: Truck tractor and 3 trailing units—LCV

LENGTH OF THE CARGO-CARRYING UNITS: 95 feet

MAXIMUM ALLOWABLE GROSS WEIGHT: 129,000 pounds

OPERATIONAL CONDITIONS:

Same as the NV-TT2 combination.

ROUTES: Same as the NV-TT2 combination.

LEGAL CITATIONS: Same as the NV-TT2 combination.

COMBINATION: Truck-trailer, and Truck-trailer-trailer

LENGTH OF THE CARGO-CARRYING UNITS: 98 feet

OPERATIONAL CONDITIONS:

WEIGHT: This combination must operate in compliance with State laws and regulations. Because it is not an LCV, it is not subject to the ISTEAs freeze as it applies to maximum weight.

DRIVER, VEHICLE, and ACCESS: Same as the NV-TT2 combination.

PERMITS: Same as the NV-TT2 combination, except permits for Truck-trailer, or Truck-trailer-trailer combinations are only required when the overall length is 70 feet or more.

ROUTES: Same as the NV-TT2 combination.

LEGAL CITATIONS: Same as the NV-TT2 combination.

STATE: NEW MEXICO

COMBINATION: Truck tractor and 2 trailing units—LCV

LENGTH OF THE CARGO-CARRYING UNITS: Not applicable

MAXIMUM ALLOWABLE GROSS WEIGHT: 86,400 pounds

OPERATIONAL CONDITIONS:

The cargo-carrying length restriction does not apply to this combination. The length of each trailing unit is limited to 28.5 feet. This describes a two trailing unit vehicle whose operation is guaranteed by the STAA of 1982 regardless of inter-unit spacing. As long as each trailing unit is 28.5 feet long or less, cargo-carrying length is not restricted. This combination is listed as a LCV because it can exceed the 80,000-pound threshold established in the Congressional definition. The 86,400-pound gross weight limit is grandfathered for New Mexico.

WEIGHT: Single axle = 21,600 pounds. Tandem axle = 34,200 pounds. Load per inch of tire width = 600 pounds. The total gross weight with load imposed on the highway by any vehicle or combination of vehicles where the distance between the first and last axles is less than 19 feet shall not exceed that given for the respective distances in the following table:

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Distance in feet between first and last axles of group	Allowed load in pounds on group of axles
4	34,320
5	35,100
6	35,880
7	36,660
8	37,440
9	38,220
10	39,000
11	39,780
12	40,560
13	41,340
14	42,120
15	42,900
16	43,680
Distance in feet between first and last axles of group	Allowed load in pounds on group of axles
17	44,460
18	45,240

The total gross weight with load imposed on the highway by any vehicle or combination of vehicles where the distance between the first and last axles is 19 feet or more shall not exceed that given for the respective distances in the following table:

Distance in feet between first and last axles of group	Allowed load in pounds on group of axles
19	53,100
20	54,000
21	54,900
22	55,800
23	56,700
24	57,600
25	58,500
26	59,400
27	60,300
28	61,200
29	62,100
30	63,000
31	63,900
32	64,800
33	65,700
34	66,600
35	67,500
36	68,400
37	69,300
38	70,200
39	71,100
40	72,000
41	72,900
42	73,800
43	74,700
44	75,600
45	76,500
46	77,400
47	78,300

Distance in feet between first and last axles of group	Allowed load in pounds on group of axles
48	79,200
49	80,100
50	81,000
51	81,900
52	82,800
53	83,700
54	84,600
55	85,500
56 and over	86,400

The distance between the centers of the axles shall be measured to the nearest even foot. When a fraction is exactly one-half the next larger whole number shall be used.

DRIVER: The driver must have a commercial driver's license with the appropriate endorsement.

VEHICLE: No special requirements beyond normal Federal Motor Carrier or State regulations. The maximum length of the trailing units is 28.5 feet.

PERMIT: None Required.

ACCESS: STAA vehicles must by allowed reasonable access in accordance with 23 CFR 658.19.

ROUTES: All Interstate highways.

LEGAL CITATIONS:

66-7-409 NMSA 1978

66-7-410 NMSA 1978

STATE: NEW YORK

COMBINATION: Truck tractor and 2 trailing units—LCV

LENGTH OF THE CARGO-CARRYING UNITS: 102 feet

MAXIMUM ALLOWABLE GROSS WEIGHT: 143,000 pounds

OPERATIONAL CONDITIONS:

WEIGHT: The following information pertains to tandem trailer combinations with either trailer more than 28.5 feet long but not more than 48 feet long. A nine-axle combination vehicle may not exceed a total maximum gross weight of 143,000 pounds. An eight-axle combination vehicle may not exceed a total maximum gross weight of 138,400 pounds. The maximum gross weight that may be carried upon any combination of units is limited by the maximum gross weight that can be carried upon the axles as follows. For a nine-axle combination: drive axles — 36,000 pounds, axles four/five — 36,000 pounds, axles six/seven — 27,000 pounds, and axles eight/nine — 36,000 pounds. A minimum 12-foot axle spacing between the fifth and sixth axles is also required on the nine-axle LCV. For an eight-axle combination: drive axles — 36,000 pounds, axles four/five — 36,000 pounds, sixth axle — 22,400 pounds, and axles seven/eight — 36,000 pounds. The eight-axle LCV has no minimum axle-spacing requirements. For gross weights in excess of 138,400 pounds the combination must include a tandem-axle dolly to meet the nine-axle requirements. Maximum permissible gross weight for B-train combination is 127,000 pounds.

When the gross weight of the two trailers in a tandem combination vary more than 20 percent, the heaviest of the two must be placed in the lead position.

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For tandem trailer combinations in which neither trailing unit exceeds 28.5 feet in length the following maximum allowable weights apply: for a single axle — 28,000 pounds (except that steering axles may not exceed 22,400 pounds), for a tandem axle — 42,500 pounds, for a tri-axle — 52,500 pounds. The gross weight may not exceed 100,000 pounds or the manufacturers gross weight rating, whichever is lower.

DRIVER: For operation on highways under the jurisdiction of the New York State Thruway Authority (NYSTA), except for the full length of I-84 and that portion of I-287 from Thruway exit 8 to I-95, the driver must have a commercial driver's license with the appropriate endorsement, and hold a Tandem Trailer Driver's Permit issued by the NYSTA. In order to obtain an NYSTA driver's permit, an applicant must (1) hold a valid commercial driver's license with multiple-trailer endorsement; (2) be over 26 years old, in good health, and have at least 5 years of provable experience driving tractor-trailer combinations; and (3) meet all other application requirements with regard to driving history established by the NYSTA. Qualified drivers receive a Tandem Trailer Driver's Permit for Tandem Vehicle Operation which is valid only for the operation of the certified equipment owned by the company to which the permit is issued.

For operation on highways under the jurisdiction of the New York State DOT, cities not wholly included in one county, the full length of I-84 and that portion of I-287 from Thruway exit 8 to I-95, the driver must have a commercial driver's license with the appropriate endorsement.

VEHICLE: All vehicles must meet the requirements of applicable Federal and State statutes, rules, and regulations. Vehicles operating on highways under the jurisdiction of the NYSTA, except for the full length of I-84 and that portion of I-287 from Thruway exit 8 to I-95, must also meet the following additional requirements. The tractor manufacturer and the permittee shall certify to the NYSTA prior to the approval of the tractor that it is capable of hauling the maximum permissible gross load at a speed of not less than 20 miles per hour on all portions of the thruway system.

The brakes on any vehicle, dolly converter, or combination of vehicles shall comply with 49 CFR 393 and, in addition, any vehicle or dolly converter shall meet the provisions of the New York State Traffic Law.

Tandem trailer operations shall be equipped, at a minimum, with emergency equipment as required by 49 CFR 393, subpart H, as amended, tire chains from October 15 to May 1 of each year, a fire extinguisher with an aggregate rating of 20BC, and each trailer with specific lamps and reflectors.

All tractors certified by the NYSTA for use with tandem trailers will be assigned an identification number by the NYSTA which must be placed on the vehicle. The number must be at least 3 inches in height and visible to a person standing at ground level opposite the driver's position in the cab.

Axle Type. Tractors to be used for hauling 110,000 pounds or more shall be equipped with tandem rear axles, both with driving power. Tractors to be used for hauling 110,000 pounds or less may have a single drive axle. Tandem combinations using single wheel tires commonly referred to as "Super Singles" are required to use triple-axle tractors, dual-axle trailers, and dual-axle dollies.

Dollies. Every converter dolly certified on and after June 1, 1968, used to convert a semitrailer to a full trailer may have either single or tandem axles at the option of the permittee. Single-axle dollies may not utilize low profile tires. Combination vehicles with a gross weight in excess of 138,400

pounds must have a tandem-axle dolly to meet the nine-axle requirement. If the distance between two semitrailers is 10 feet or more, the dolly shall be equipped with a device or the trailers connected along the sides with suitable material to indicate they are in effect one unit. The devices or connection shall be approved by the NYSTA prior to use on a tandem trailer combination. The NYSTA tandem-trailer provisions require that converter dollies shall be coupled with one or more safety chains or cables to the frame or an extension of the frame of the motor vehicle by which it is towed. Each dolly converter must also be equipped with mud flaps. Tandem combinations using a sliding fifth wheel attached to the lead trailer, known as a "B-Train" combination, will require a separate Thruway Engineer Service approval prior to the initial tandem run. Special provisions regarding B-Trains will be reviewed at the time of the application or request for use on the Thruway.

PERMIT: For operation on highways under the jurisdiction of the New York State DOT, cities not wholly included in one county, or the following highway sections under NYSTA jurisdiction; the full length of I-84 and that portion of I-287 from Thruway exit 8 to I-95, a permit to exceed the weight limits set forth in §385(15) of the New York State Vehicle and Traffic Law must be obtained from the State DOT, city involved, or the NYSTA. A fee is charged for the permit.

For operation on highways under the jurisdiction of the NYSTA, except for the full length of I-84 and that portion of I-287 from Thruway exit 8 to I-95, companies must file an application for a Tandem Trailer Permit with the NYSTA. Permits are issued to such companies upon meeting qualifications, including insurance, for tandem combinations over 65 feet in length. No permit fee is charged; however, Thruway tolls are charged for each use of the Thruway, and the equipment must be certified by the NYSTA annually. The annual re-certification of equipment is handled by:

New York State Thruway Authority
Manager of Traffic Safety Services
P.O. Box 189
Albany, New York 12201-0189

Transportation of hazardous materials is subject to special restrictions plus 49 CFR 397 of the Federal Motor Carrier Safety Regulations.

ACCESS: For tandem trailer combinations with either trailer more than 28.5 feet long but not more than 48 feet long, the following access is available to authorized operating routes.

I-87 (New York Thruway) Access provided at Thruway Exit 21B to or from a point 1,500 feet north of the Thruway on US 9W.

I-90 (NYSTA-Berkshire Section) access provided at:

- (1) Thruway Exit B-1 to or from a point 0.8 mile north of the southern most access ramp on US 9.
- (2) Thruway Exit B-3 within a 2,000-foot radius of the Thruway ramps to NY 22.

I-90 (New York Thruway) access provided at:

- (1) Thruway Exit 28 within a radius of 1,500 feet of the toll booth at Fultonville, New York.
- (2) Thruway Exit 32 to or from a point 0.6 mile north of the Thruway along NY 233.

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- (3) Thruway Exit 44 to or from a point 0.8 mile from the Thruway along NY 332 and Collett Road.
- (4) Thruway Exit 52 to or from:
 - (a) a point 1.7 miles west and south of the Thruway via Walden Avenue and NY 240 (Harlem Road);
 - (b) a point 0.85 mile east and south of the Thruway via Walden Avenue and a roadway purchased by the Town of Cheektowaga from Sorrento Cheese, Inc.
- (5) Thruway Exit 54 to or from a point approximately 2.5 miles east and north of the Thruway via routes NY 400 and NY 277.
- (6) Thruway Exit 56 to or from a point approximately 2 miles west and south of the Thruway via NY 179 and Old Mile Strip Road.

I-190 (NYSTA - Niagara Section) access provided at:

- (1) Thruway Exit N1 to or from:
 - (a) a point 0.8 mile west of the Thruway exit along Dingens Street.
 - (b) a point 0.45 mile from the Thruway exit via Dingens Street and James E. Casey Drive.
- (2) Thruway Exit N5 to or from a point approximately 1.0 miles south of the Thruway via Louisiana Street and South Street.
- (3) Thruway Exit N15 to or from a point 0.5 mile southeast of the Thruway via NY 325 (Sheridan Drive) and Kenmore Avenue.
- (4) Thruway Exit N17 to or from:
 - (a) a point 1.5 miles north of the Thruway on NY 266 (River Road).
 - (b) a point approximately 0.4 mile south of the Thruway on NY 266 (River Road).

Tandem trailer combinations in which neither trailing unit exceeds 28.5 feet in length are restricted to the Designated Qualifying and Access Highway System.

ROUTES: For tandem trailer combinations with either trailer more than 28.5 feet long, but not more than 48 feet long, the following routes are available:

	From	To
I-87 (New York Thruway)	Bronx/Westchester County Line	Thruway Exit 24
I-90 (New York Thruway)	Pennsylvania	Thruway Exit 24
I-90 (New York Thruway Berkshire Section)	Thruway Exit B-1	Massachusetts
I-190 (New York Thruway Niagara Section)	Thruway Exit 53	Int'l Border with Canada
NY 912M (Berkshire Connection of the New York Thruway)	Thruway Exit 21A B-1	Thruway Exit

Tandem trailer combinations in which neither trailing unit exceeds 28.5 feet in length may operate on all NN Highways.

LEGAL CITATIONS:

Public Authorities Law - Title 9, sec. 350, et. seq. (section 361 is most relevant)

New York State Thruway Authority Rules & Regulations, sections 100.6, 100.8, and 103.13

New York State Vehicle & Traffic Law, sections 385 and 1630

STATE: NORTH DAKOTA

COMBINATION: Truck tractor and 2 trailing units—LCV

LENGTH OF THE CARGO-CARRYING UNITS: 103 feet

MAXIMUM ALLOWABLE GROSS WEIGHT: 105,500 pounds

OPERATIONAL CONDITIONS:

WEIGHT: The Gross Vehicle Weight (GVW) of any vehicle or combination of vehicles is determined by the Federal Bridge Formula, including the exception for two sets of tandems spaced 36 feet apart.

No single axle shall carry a gross weight in excess of 20,000 pounds. Axles spaced 40 inches or less apart are considered one axle. Axles spaced 8 feet or more apart are considered as individual axles. The gross weight of two individual axles may be restricted by the weight formula. Spacing between axles shall be measured from axle center to axle center.

Axles spaced over 40 inches but less than 8 feet apart shall not carry a gross weight in excess of 17,000 pounds per axle. The gross weight of three or more axles in a grouping is determined by the measurement between the extreme axle centers. During the spring breakup season or on otherwise posted highways, reductions in the above axle weights may be specified.

The weight in pounds on any one wheel shall not exceed one-half the allowable axle weight. Dual tires are considered one wheel.

The weight per inch of tire width shall not exceed 550 pounds. The width of tire shall be the manufacturer's rating.

DRIVER: The driver must have a commercial driver's license with the appropriate endorsement.

VEHICLE: The cargo length of a two trailing unit combination may not exceed 100 feet (when the power unit is a truck tractor) or 103 feet (when the power unit is a truck) when traveling on the NN or local highways designated by local authorities.

All hitches must be of a load-bearing capacity capable of bearing the weight of the towed vehicles. The towing vehicle must have a hitch commonly described as a fifth wheel or gooseneck design, or one that is attached to the frame.

The hitch on the rear of the vehicle connected to the towing vehicle must be attached to the frame of the towed vehicle. All hitches, other than a fifth wheel or gooseneck, must be of a ball and socket type with a locking device or a pintle hook.

The drawn vehicles shall be equipped with brakes and safety chains adequate to control the movement of, and to stop and hold, such vehicles. When the drawn vehicle is of a fifth wheel or gooseneck design, safety chains are not required.

In any truck or truck tractor and two trailer combination, the lighter trailer must always be operated as the rear trailer, except when the gross weight differential with the other trailer does not exceed 5,000 pounds.

The power unit shall have adequate power and traction to maintain a minimum speed of 15 miles per hour on all grades.

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PERMIT: No permits are required for GVW of 80,000 pounds or less. Single-trip permits are required for GVW exceeding 80,000 pounds. Weather restrictions (37-06-04-06, NDAC), weight distribution on trailers (37-06-04, NDAC), and signing requirements (37-06-04-05, NDAC) are applicable.

Movements of LCV's are prohibited when:

1. Road surfaces, due to ice, snow, slush, or frost present a slippery condition which may be hazardous to the operation of the unit or to other highway users;
2. Wind or other conditions may cause the unit or any part thereof to swerve, whip, sway, or fail to follow substantially in the path of the towing vehicle; or
3. Visibility is reduced due to snow, ice, sleet, fog, mist, rain, dust, or smoke.

The North Dakota Highway Patrol may restrict or prohibit operations during periods when in its judgement traffic, weather, or other safety conditions make travel unsafe.

The last trailer in any combination must have a "LONG LOAD" sign mounted on the rear. It must be a minimum of 12 inches in height and 60 inches in length.

The lettering must be 8 inches in height with 1-inch brush strokes. The letters must be black on a yellow background.

Legal width — 8 feet 6 inches on all highways.

Legal height — 13 feet 6 inches.

ACCESS: Access for vehicles with cargo-carrying length of 68 feet or more is 10 miles off the NN. Vehicles with a cargo-carrying length less than 68 feet may travel on all highways in North Dakota.

ROUTES: All NN routes.

LEGAL CITATIONS: North Dakota Century Code, section 38-12-04; North Dakota Administrative Code, article 37-06.

COMBINATION: Truck tractor and 3 trailing units—LCV

LENGTH OF THE CARGO-CARRYING UNITS: 100 feet

MAXIMUM ALLOWABLE GROSS WEIGHT: 105,500 pounds

OPERATIONAL CONDITIONS:

WEIGHT, DRIVER, PERMIT, and ACCESS: Same as the ND-TT2 combination.

VEHICLE: Same as the ND-TT2 combination, and in addition, in any combination with three trailing units the lightest trailer must always be operated as the rear trailer. For the first two trailing units the lighter trailer must always be second except when the gross weight differential with the other trailer does not exceed 5,000 pounds.

ROUTES: Same as the ND-TT2 combination.

LEGAL CITATIONS: Same as the ND-TT2 combination.

COMBINATION: Truck-trailer, and Truck-trailer-trailer

LENGTH OF THE CARGO-CARRYING UNITS: 103 feet

OPERATIONAL CONDITIONS:

WEIGHT: This combination must operate in compliance with State laws and regulations. Because it is not an LCV, it is not subject to the ISTEA freeze as it applies to maximum weight.

DRIVER, VEHICLE, PERMIT, and ACCESS: Same as the ND-TT2 combination.

ROUTES: Same as the ND-TT2 combination.

LEGAL CITATIONS: Same as the ND-TT2 combination.

STATE: OHIO

COMBINATION: Truck tractor and 2 trailing units—LCV

LENGTH OF THE CARGO-CARRYING UNITS: 102 feet

MAXIMUM ALLOWABLE GROSS WEIGHT: 127,400 pounds

OPERATIONAL CONDITIONS:

Long double combination vehicles are only allowed on that portion of Ohio's Interstate System which is under the jurisdiction of the Ohio Turnpike Commission (OTC). These same vehicles are not allowed on any portion of the Interstate System under the jurisdiction of the Ohio DOT.

WEIGHT: The OTC has established the following provisions for operation:

Maximum Weight: Single axle = 21,000 pounds; tandem axle spaced 4 feet or less apart = 24,000 pounds; tandem axle spaced more than 4 feet but less than 8 feet apart = 34,000 pounds; gross weight for doubles 90 feet or less in length = 90,000 pounds; gross weight for doubles over 90 feet but less than 112 feet in length = 127,400 pounds.

DRIVER: The driver must have a commercial driver's license with the appropriate endorsement, be over 26 years of age, in good health, and shall have not less than 5 years of experience driving tractor-trailer or tractor-short double trailer motor vehicles. Such driving experience shall include experience throughout the four seasons. Drivers must comply with the applicable current requirements of the Federal Motor Carrier Safety Regulations, Federal Hazardous Materials Regulations, and the Economic and Safety regulations of the Ohio Public Utility Commission.

VEHICLE: Vehicles being operated under permit at night must be equipped with all lights and reflectors required by the Ohio Public Utilities Commission and the Federal Motor Carrier Safety Regulations, except that the trailer shall be equipped with two red tail lights and two red or amber stop lights mounted with one set on each side. Trailer and semi-trailer length for doubles cannot exceed 48 feet, and mixed trailer length combinations are not allowed for combination vehicles over 90 feet in length. Combined cargo-carrying length, including the trailer hitch, cannot be less than 80 feet or more than 102 feet. The number of axles on a double shall be a minimum of five and a maximum of nine. A tractor used in the operation of a double shall be capable of hauling the maximum weight at a speed of not less than 40 miles per hour on all portions of the Turnpike.

PERMIT: A special permit is required if the vehicle is over 102 inches wide, 14 feet high, or 65 feet in length including overhang. Tractor-semitrailer-semitrailer combinations require a permit if over 75 feet in length, excluding an allowed 3-foot front overhang and a 4-foot rear overhang. For vehicles over 120 inches wide, 14 feet high, or 80 feet long or if any unit of the combination vehicle is over 60 feet in length, travel is restricted to daylight hours Monday through noon Saturday, except holidays and the day before and after holidays. Operators are restricted to daylight driving if the load overhang is more than 4 feet. A "Long Double Trailer Permit" is

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sued by the OTC is required for operation of doubles in excess of 90 feet in length. Towing units and coupling devices shall have sufficient structural strength to ensure safe operation. Vehicles and coupling devices shall be so designed, constructed, and installed in a double as to ensure that any towed vehicles when traveling on a level, smooth paved surface will follow in the path of the towing vehicle without shifting or swerving more than 3 inches to either side of the path of the towing vehicle when the latter is moving in a straight line. Vehicle coupling devices and brakes shall meet the requirements of the Ohio Public Utilities Commission and Federal Motor Carrier Safety Regulations. The distance between the rearmost axle of a semitrailer and the front axle of the next semitrailer in a coupled double unit shall not exceed 12 feet 6 inches. In no event shall the distance between the semitrailers coupled in a double exceed 9 feet. Double and triple trailer combinations must be equipped with adequate, properly maintained spray-suppressant mud flaps on all axles except the steering axle. In the event that the gross weights of the trailers vary by more than 20 percent, they shall be coupled according to their gross weights with the heavier trailer forward. A minimum distance of 500 feet shall be maintained between double units and/or triple units except when overtaking and passing another vehicle. A double shall remain in the right-hand, outside lane except when passing or when emergency or work-zone conditions exist. When, in the opinion of the OTC, the weather conditions are such that operation of a double is inadvisable, the OTC will notify the permittee that travel is prohibited for a certain period of time.

Class A and B explosives; Class A poisons; and Class 1, 2, and 3 radioactive material cannot be transported in double trailer combinations. Other hazardous materials may be transported in one trailer of a double. The hazardous materials should be placed in the front trailer unless doing so will result in the second trailer weighing more than the first trailer.

ACCESS: Tandem trailer units shall not leave the Turnpike right-of-way and shall be assembled and disassembled only in designated areas located at Exits 4, 7, 10, 11, 13, 14, and 16.

ROUTES:

	From	To
I-76 Ohio Turnpike	Turnpike Exit 15	Pennsylvania
I-80 Ohio Turnpike	Turnpike Exit 8A	Turnpike Exit 15
I-80/90 Ohio Turnpike	Indiana	Turnpike Exit 8A

LEGAL CITATIONS:

Statutory authority, as contained in Chapter 5537 of the Ohio Revised Code, to regulate the dimensions and weights of vehicles using the Turnpike.

COMBINATION: Truck tractor and 3 trailing units—LCV

LENGTH OF THE CARGO-CARRYING UNITS: 95 feet
 MAXIMUM ALLOWABLE GROSS WEIGHT: 115,000 pounds
 OPERATIONAL CONDITIONS: Same as the OH-TT2 combination, except as follows:

WEIGHT: Gross weight for triples with an overall length greater than 90 feet but not over 105 feet in length = 115,000 pounds.

DRIVER: The driver must have a commercial driver's license with the appropriate endorsement, be over 26 years of age, in good health, and shall have not less than 5 years of experience driving double trailer combination units. Such driving experience shall include experience throughout the four seasons. Each driver must have special training on triple combinations to be provided by the Permittee.

VEHICLE: Triple trailer combination vehicles are allowed to operate on the Turnpike provided the combination vehicle is at least 90 feet long but less than 105 feet long and each trailer is not more than 28.5 feet in length. The minimum number of axles on the triple shall be seven and the maximum is nine.

PERMIT: A triple trailer permit to operate on the Turnpike is required for triple trailer combinations in excess of 90 feet in length. There is an annual fee for the permit. Class A and B explosives; Class A poisons; and Class 1, 2, and 3 radioactive material cannot be transported in triple trailer combinations. Other hazardous materials may be transported in two trailers of a triple. The hazardous materials should be placed in the front two trailers unless doing so will result in the third trailer weighing more than either one of the lead trailers.

ACCESS: With two exceptions, triple trailer units shall not leave the Turnpike right-of-way and shall be assembled and disassembled only in designated areas located at Exits 4, 7, 10, 11, 13, 14, and 16. The first exception is that triple trailer combinations are allowed on State Route 21 from I-80 Exit 11 (Ohio Turnpike) to a terminal located approximately 500 feet to the north in the town of Richfield. The second exception is for a segment of State Route 7 from Ohio Turnpike Exit 16 to 1 mile south.

ROUTES:

	From	To
I-76 Ohio Turnpike	Turnpike Exit 15	Pennsylvania
I-80 Ohio Turnpike	Turnpike Exit 8A	Turnpike Exit 15
I-80/90 Ohio Turnpike	Indiana	Turnpike Exit 8A
OH-7	Turnpike Exit 16	Extending 1 mile south

LEGAL CITATIONS: Same as the OH-TT2 combination.

STATE: OKLAHOMA

COMBINATION: Truck tractor and 2 trailing units—LCV

LENGTH OF THE CARGO-CARRYING UNITS: 110 feet
 MAXIMUM ALLOWABLE GROSS WEIGHT: 90,000 pounds
 OPERATIONAL CONDITIONS:

WEIGHT: Single axle = 20,000 pounds; tandem axle = 34,000 pounds; gross vehicle weight = 90,000 pounds. The total weight on any group of two or more consecutive axles shall not exceed the amounts shown in Table 1.

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**TABLE 1
OKLAHOMA ALLOWABLE AXLE GROUP WEIGHT**

Axle Spacing (ft)	MAXIMUM LOAD (LBS) BY AXLE GROUP				
	2 Axles	3 Axles	4 Axles	5 Axle	6 Axles
4	34,000	-	-	-	-
5	34,000	-	-	-	-
6	34,000	-	-	-	-
7	34,000	-	-	-	-
8	34,000	42,000	-	-	-
9	39,000	42,500	-	-	-
10	40,000	43,500	-	-	-
11	-	44,000	-	-	-
12	-	45,000	50,000	-	-
13	-	45,500	50,500	-	-
14	-	46,500	51,500	-	-
15	-	47,000	52,000	-	-
16	-	48,000	52,500	58,000	-
17	-	48,500	53,500	58,500	-
18	-	49,500	54,000	59,000	-
19	-	50,000	54,500	60,000	-
20	-	51,000	55,500	60,500	66,000
21	-	51,500	56,000	61,000	66,500
22	-	52,500	56,500	61,500	67,000
23	-	53,000	57,500	62,500	68,000
24	-	54,000	58,000	63,000	68,500
25	-	54,500	58,500	63,500	69,000
26	-	56,000	59,500	64,000	69,500
27	-	57,500	60,000	65,000	70,000
28	-	59,000	60,500	65,500	71,000
29	-	60,500	61,500	66,000	71,500
30	-	62,000	62,000	66,500	72,000
31	-	63,500	63,500	67,000	72,500
32	-	64,000	64,000	68,000	73,500
33	-	-	64,500	68,500	74,000
34	-	-	65,000	69,000	74,500
35	-	-	66,000	70,000	75,000
36	-	-	68,000	70,500	75,500
37	-	-	68,000	71,000	76,000
38	-	-	69,000	72,000	77,000
39	-	-	70,000	72,500	77,500
40	-	-	71,000	73,000	78,000
41	-	-	72,000	73,500	78,500
42	-	-	73,000	74,000	79,000
43	-	-	73,280	75,000	80,000
44	-	-	73,280	75,500	80,500
45	-	-	73,280	76,000	81,000
46	-	-	73,280	76,500	81,500
47	-	-	73,500	77,500	82,000
48	-	-	74,000	78,000	82,000
49	-	-	74,500	78,500	83,500
50	-	-	75,500	79,000	84,000
51	-	-	76,000	80,000	84,500
52	-	-	76,500	80,500	85,000
53	-	-	77,500	81,000	86,000
54	-	-	78,000	81,500	86,500
55	-	-	78,500	82,500	87,000

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TABLE 1
OKLAHOMA ALLOWABLE AXLE GROUP WEIGHT, Continued

Axle Spacing (ft)	MAXIMUM LOAD (LBS) BY AXLE GROUP				
	2 Axles	3 Axles	4 Axles	5 Axle	6 Axles
56	-	-	79,500	83,000	87,500
57	-	-	80,000	83,500	88,000
58	-	-	-	84,000	89,000
59	-	-	-	85,000	89,500
60	-	-	-	85,500	90,000

DRIVER: All drivers must have a commercial driver's license with the appropriate endorsement and must meet the requirements of the Federal Motor Carrier Safety Regulations (49 CFR 390-397). State requirements more stringent and not in conflict with Federal requirements take precedence.

VEHICLE: All vehicles must meet the requirements of applicable Federal and State statutes, rules, and regulations. Vehicles and load shall not exceed 102 inches in width on the Interstate System and four-lane divided highways. Maximum semitrailer length is 53 feet.

Multiple trailer combinations must be stable at all times during braking and normal operation. A multiple trailer combination when traveling on a level, smooth paved surface must follow in the path of the towing vehicle without shifting or swerving more than 3 inches to either side when the towing vehicle is moving in a straight line. Heavier trailers are to be placed to the front in multiple trailer combinations.

PERMIT: An annual special authorization permit is required for tandem trailer vehicles operating on the Interstate System having a gross weight of more than 80,000 pounds. A fee is charged for the special authorization permit.

ACCESS: Access is allowed from legally available routes (listed below) to service facilities and terminals within a 5-mile radius. Access is also authorized on two-lane roadways which connect multi-lane divided highways when such connection does not exceed 15 miles.

ROUTES: Doubles with 29-foot trailers may use any route on the NN. Doubles with at least one trailer or semitrailer over 29 feet in length are limited to the Interstate and other multi-lane divided highways listed below.

	From	To
I-35	Texas	Kansas
I-40	Texas	Arkansas
I-44	Texas	Missouri
I-235	Entire length in Oklahoma City	
I-240	Entire length in Oklahoma City	
I-244	Entire length in Tulsa	
I-444	Entire length in Tulsa	

	From	To
I-40 Bus	I-40 Exit 119	US 81 El Reno
US 60	I-35 Exit 214	US 177 Ponca City
US 62	US 69 Muskogee	OK 80 Ft. Gibson
US 62	I-44 Exit 39A Lawton	OK 115 Cache
US 64	Cimarron Turnpike	I-244 Tulsa
US 64	I-35 Exit 186 Perry	US 77 Perry
US 64	I-40 Exit 325 Roland	Arkansas
US 69	Texas	I-44 (Will Rogers Tpk) Exit 282
US 70	OK 76 Wilson	I - 35 Exits 31A-B Ardmore
US 75	I-40 Exits 240A-B Henryetta	I-244 Exit 2 Tulsa
US 75	I-44 Exits 6A-B Tulsa	Dewey
US 77	I-35 Exit 141 Edmond	3.5 mi. W of I-35
US 81	I-44 (Bailey Tpk.) Exit 80	South Intersection OK 7 Duncan
US 81	OK 51 Hennessey	11.5 mi. N of US 412
US 169	OK 51 Tulsa	OK 20 Collinsville
US 270	Indian Nation Tpk. Exit 4	US 69 McAlester
US 270	OK 9 Tecumseh	I-40 Exit 181
US 271	Texas	Indian Nation Tpk. Hugo
US 412	I-44 Exit 241 Catoosa	US 69
US 412	OK 58 Ringwood	I-35 Exits 194A-B
US 412	US 69 Chouteau	OK 412 B
OK 3	I-44 Exit 123	Oklahoma/Canadian County Line
OK 3A	OK 3 Oklahoma City	I-44 Exit 125B Oklahoma City
OK 7	I-44 Exits 36A-B	OK 65 Pumpkin Center
OK 7	I-35 Exit 55	US 177 Sulphur

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	From	To
OK 7	South intersection US 81 Duncan	7.5 mi. E of US 81
OK 9	I-35 Exit 108A	US 77 Norman
OK 11	I-35 Exit 222	US 177 Blackwell
OK 11	US 75 Tulsa	I-244 Exit 12B
OK 33	US 77 Guthrie	I-35 Exit 157 Guthrie
OK 51	I-35 Exit 174	US 177 Stillwater
OK 51	I-44 Exit 231 Tulsa	Muskogee Tpk. Broken Arrow
OK 165	Connecting two sections of the Muskogee Turnpike at Muskogee	
OK 165	US 64/Bus. US 64 Muskogee	Muskogee Tpk.
Cimarron Tpk.	I-35 Exit 194	US 64
Cimarron Tpk. Conn.	US 177 Stillwater	Cimarron Tpk
Indian Nation Turnpike	US 70/271 Hugo	I-40 Exits 240A-B Henryetta
Muskogee Tpk.	OK 51 Broken Arrow	US 62/OK 165 Muskogee
Muskogee Tpk	OK 165 Muskogee	I-40 Exit 286 Webber's Falls

LEGAL CITATIONS:

- Title 47 1981 O.S. 14-101
- Title 47 1990 O.S. 14-103, -109, and -116
- DPS Size and Weight Permit Manual 595:30.

COMBINATION: Truck tractor and 3 trailing units—LCV

LENGTH OF THE CARGO-CARRYING UNITS: 95 feet
 MAXIMUM ALLOWABLE GROSS WEIGHT: 90,000 pounds
 OPERATIONAL CONDITIONS:

WEIGHT and *ACCESS*: Same as the OK-TT2 combination.

DRIVER: Same as the OK-TT2 combination except that in addition, a driver of a three trailing unit combination must have had at least 2 years of experience driving tractor-trailer combinations.

VEHICLE: All vehicles must meet the requirements of applicable Federal and State statutes, rules, and regulations. Vehicle and load shall not exceed 102 inches in width on the Interstate System and other four-lane divided highways. Maximum unit length of triple trailers is 29 feet. Truck tractors pulling triple trailers must have sufficient horsepower to maintain a minimum speed of 40 miles per hour on the level and 20 miles per hour on grades under normal operation conditions. Heavy-duty fifth wheels, pick-up plates equal in strength to the fifth wheel, solid kingpins, no-slack hitch connections, mud flaps and splash guards, and full-width axles are required on triple trailer combinations. All braking systems must comply with State and Federal requirements.

Multiple trailer combinations must be stable at all times during braking and normal operation. A multiple trailer combination when traveling on a level, smooth paved surface must follow in the path of the towing vehicle without shifting or swerving more than 3 inches to either side when the towing vehicle is moving in a straight line. Heavier trailers are to be placed to the front in multiple trailer combinations.

PERMIT: An annual special combination permit is required for the operation of triple-trailer combinations on the Interstate System and other four-lane divided primary highways. This permit also authorizes such combinations to exceed 80,000 pounds on the Interstate System.

The permit holder must certify that the driver of a triple-trailer combination is qualified. Operators of triple-trailer combinations must maintain a 500-foot following distance and must drive in the right lane, except when passing or in an emergency.

Speed shall be reduced and extreme caution exercised when operating triple-trailer combinations under hazardous conditions, such as those caused by snow, wind, ice, sleet, fog, mist, rain, dust, or smoke. When conditions become sufficiently dangerous as determined by the company or driver, operations shall be discontinued and shall not resume until the vehicle can be safely operated. The State may restrict or prohibit operations during periods when, in the State's judgement, traffic, weather, or other safety conditions make such operations unsafe or inadvisable.

Class A and B explosives; Class A poisons; and Class 1, 2, and 3 radioactive material; and any other material deemed to be unduly hazardous by the U.S. Department of Transportation cannot be transported in triple-trailer combinations.

A fee is charged for the annual special authorization permit.

ROUTES: Same as the OK-TT2 combination.

LEGAL CITATIONS:

- Title 47 1981 O.S. 14-101
- Title 47 1990 O.S. 14-109, -116, -121
- DPS Size and Weight Permit Manual 595:30.

STATE: OREGON

COMBINATION: Truck tractor and 2 trailing units—LCV

LENGTH OF THE CARGO-CARRYING UNITS: 68 feet
 MAXIMUM ALLOWABLE GROSS WEIGHT: 105,500 pounds
 OPERATIONAL CONDITIONS:

WEIGHT: Maximum allowable weights are as follows: single wheel — 10,000 pounds, single axle — 20,000 pounds, tandem axle — 34,000 pounds. Gross vehicle weights over 80,000 pounds must follow the Oregon extended weight table, with a maximum of 105,500 pounds. Weight is also limited to 600 pounds per inch of tire width.

EXTENDED WEIGHT TABLE

Gross weights over 80,000 pounds are authorized only when operating under the authority of a Special Transportation Permit.

MAXIMUM ALLOWABLE WEIGHTS

1. The maximum allowable weights for single axles and tandem axles shall not exceed those specified under ORS 818.010.
2. The maximum allowable weight for groups of axles spaced at 46 feet or less apart shall not exceed those specified under ORS 818.010.
3. The maximum weights for groups of axles spaced at 47 feet or more and the gross combined weight for any combination of vehicles shall not exceed those set forth in the following table:

Spacing in feet	Maximum Gross Weight in Pounds on:			
	5 Axles	6 Axles	7 Axles	8 or More axles
47	77,500	81,000	81,000	81,000
48	78,000	82,000	82,000	82,000
49	78,500	83,000	83,000	83,000
50	79,000	84,000	84,000	84,000
51	80,000	84,500	85,000	85,000
52	80,500	85,000	86,000	86,000
53	81,000	86,000	87,000	87,000

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Spacing in feet	Maximum Gross Weight in Pounds on:			
	5 Axles	6 Axles	7 Axles	8 or More axles
54	81,500	86,500	88,000	91,000
55	82,500	87,000	89,000	92,000
56	83,000	87,500	90,000	93,000
57	83,500	88,000	91,000	94,000
58	84,000	89,000	92,000	95,000
59	85,000	89,500	93,000	96,000
60	85,500	90,000	94,000	97,000
61	86,000	90,500	95,000	98,000
62	87,000	91,000	96,000	99,000
63	87,500	92,000	97,000	100,000
64	88,000	92,500	97,500	101,000
65	88,500	93,000	98,000	102,000
66	89,000	93,500	98,500	103,000
67	90,000	94,000	99,000	104,000
68	90,000	95,000	99,500	105,000
69	90,000	95,500	100,000	105,500
70	90,000	96,000	101,000	105,500
71	90,000	96,500	101,500	105,000
72	90,000	96,500	102,000	105,500
73	90,000	96,500	102,500	105,500
74	90,000	96,500	103,000	105,500
75	90,000	96,500	104,000	105,500
76	90,000	96,500	104,500	105,500
77	90,000	96,500	105,000	105,500
78	90,000	96,500	105,500	105,500

Distance measured to nearest foot; when exactly one-half foot, take next larger number.

DRIVER: The driver must have a commercial driver's license with the appropriate endorsement.

VEHICLE: For a combination which includes a truck tractor and two trailing units, the lead trailing unit (semitrailer) may be up to 40 feet long. The second trailing unit may be up to 35 feet long. However, the primary control is the total cargo-carrying distance which has a maximum length of 68 feet. Any towed vehicles in a combination must be equipped with safety chains or cables to prevent the towbar from dropping to the ground in the event the coupling fails. The chains or cables must have sufficient strength to control the towed vehicle in the event the coupling device fails and must be attached with no more slack than necessary to permit proper turning. However, this requirement does not apply to a fifth-wheel coupling if the upper and lower halves of the fifth wheel must be manually released before they can be separated.

PERMIT: A permit is required for operation if the gross combination weight exceeds 80,000 pounds. A fee is charged. Permitted movements must have the lighter trailing unit placed to the rear, and use splash and spray devices when operating in rainy weather. Movement is not allowed when road surfaces are hazardous due to ice or snow, or when other atmospheric conditions make travel unsafe.

ACCESS: As allowed by the Oregon DOT.

ROUTES: All NN routes.

LEGAL CITATIONS: ORS 810.010, ORS 810.030 through 810.060, and ORS 818.010 through 818.235

COMBINATION: Truck tractor and 3 trailing units—LCV

LENGTH OF THE CARGO-CARRYING UNITS: 96 feet

MAXIMUM ALLOWABLE GROSS WEIGHT: 105,500 pounds
OPERATIONAL CONDITIONS:

WEIGHT, DRIVER, PERMIT, and **ACCESS:** Same as the OR-TT2 combination.

VEHICLE: Trailing units must be reasonably uniform in length. The overall length of the combination is limited to 105 feet. Any towed vehicles in a combination must be equipped with safety chains or cables to prevent the towbar from dropping to the ground in the event the coupling fails. The chains or cables must have sufficient strength to control the towed vehicle in the event the coupling device fails and must be attached with no more slack than necessary to permit proper turning. However, this requirement does not apply to a fifth-wheel coupling if the upper and lower halves of the fifth wheel must be manually released before they can be separated.

ROUTES: The following NN routes are also open to truck tractor and three trailing unit combinations.

	From	To
I-5	California	Washington
I-105	Entire length in the Eugene-Springfield area	
I-205	Jct. I-5	Washington
I-405	Entire length in	Portland
I-82	Washington	Jct. I-84
I-84	Jct. I-5	Idaho
US 20	Jct OR 22/OR 126 Santiam Junction	US 26 Vale
US 20	East Jct OR 99E Albany	I-5 Exit 233
US 26	US 101 Cannon Beach Junction	OR 126 Prineville
US 20/26	Vale	Idaho
US 30	US 101 Astoria	I-405 Exit 3 Portland
US 95	Nevada	Idaho
SPUR US 95	OR 201	Idaho
US 97	California	Washington
US 101 US	30 Astoria	US 26 Cannon Beach Jct.

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	From	To
US 101	OR 18 Otis	US 20 Newport
US 101	Bandon	North city limit Coos Bay
US 197	I-84 Exit 87 The Dalles	Washington
US 395	I-82 Exit 1 Umatilla	I-84 Exit 188 Stanfield
US 395	US 26 John Day	OR 140 Lakeview
US 730	I-84 Exit 168	Washington
OR 6	US 101 Tillamook	US 26 near Banks
OR 8	OR 47 Forest Grove	OR 217 Beaverton
OR 11	Washington	Mission Cutoff near Pendleton
OR 18	US 101 Otis	OR 99W Dayton
OR 19	I-84 Exit 137	South 2.5 miles
OR 22	OR 18 near Willamena	OR 99E Salem
OR 22	I-5 Exit 253	Jct US 20/OR 126 Santiam Jct.
OR 31	US 97 La Pine	US 395 Valley Falls
OR 34	Jct US 20/OR 99W Corvallis	I-5 Exit 228
OR 35	I-84 Exit 64	Mt. Hood Hood River
OR 39	OR 140 East of Klamath Falls	California
OR 58	I-5 Exit 188 Goshen	US 97 near Chemult
OR 62	OR 99 Medford	OR 140 White City
OR 78	Jct US 20/US 395 Burns	US 95 Burns Junction
OR 99	I-5 Exit 58 Grants Pass	I-5 Exit 48 Rogue River
OR 99	I-5 Exit 192 Eugene	Jct OR 99E/OR 99W Junction City
OR 99E	I-5 Exit 307 Portland	I-205 Exit 9 Oregon City
OR 99E	I-5 Exit 233 Albany	Tangent
OR 99E	OR 228 Halsey	Harrisburg
OR 99W	Jct US 20/OR 34 Corvallis	I-5 Exit 294 Portland
OR 126	US 20 Sisters	US 26 Prineville
OR 138	I-5 Exit 136 Sutherlin	East 2 miles
OR 140	OR 62 White City	Jct US 97/OR 66 Klamath Falls
OR 201	Jct US 20/US 26	SPUR US 95 Cairo Junction
OR 207	I-84 Exit 182	OR 74 Lexington
OR 207/OR 74	Jct OR 207/OR 74 Lexington	Jct OR 207/OR 74/OR 206 Heppner
OR 212	I-205 Exit 12	US 26 Boring
OR 214	I-5 Exit 271 Woodburn	OR 99E Woodburn
OR 217	I-5 Exit 292 Tigard	US 26 Beaverton
OR 224	OR 99E Milwaukie	I-205 Exit 13

DRIVER, ACCESS, ROUTES, AND LEGAL CITATIONS:
Same as OR-TT2 combination.

VEHICLE: The truck or trailer may be up to 40 feet long not to exceed 75 feet overall. The truck may have a built-in hoist to load cargo. Any towed vehicle in a combination must be equipped with safety chains or cables to prevent the tow-bar from dropping to the ground in the event the coupling fails. The chains or cables must have sufficient strength to control the towed vehicle in the event the coupling device fails and must be attached with no more slack than necessary to permit proper turning. However, this requirement does not apply to a fifth-wheel coupling if the upper and lower halves of the fifth wheel must be manually released before they can be separated.

PERMIT: No overlength permit required.

STATE: SOUTH DAKOTA

COMBINATION: Truck tractor and 2 trailing units—LCV

LENGTH OF CARGO-CARRYING UNITS: 100 feet

MAXIMUM ALLOWABLE GROSS WEIGHT: 129,000 pounds

OPERATIONAL CONDITIONS:

WEIGHT: For all combinations, the maximum gross weight on two or more consecutive axles is limited by the Federal Bridge Formula but cannot exceed 129,000 pounds. The weight on single axles or tandem axles spaced 40 inches or less apart may not exceed 20,000 pounds. Tandem axles spaced more than 40 inches but 96 inches or less may not exceed 34,000 pounds. Two consecutive sets of tandem axles may carry a gross load of 34,000 pounds each, provided the overall distance between the first and last axles of the tandems is 36 feet or more. The weight on the steering axle may not exceed 600 pounds per inch of tire width.

For combinations with a cargo-carrying length greater than 81.5 feet the following additional regulations also apply. The weight on all axles (other than the steering axle) may not exceed 500 pounds per inch of tire width. Lift axles and belly axles are not considered load-carrying axles and will not count when determining allowable vehicle weight.

DRIVER: The driver must have a commercial driver's license with the appropriate endorsement.

VEHICLE: For all combinations, a semitrailer or trailer may neither be longer than nor weigh 3,000 pounds more than the trailer located immediately in front of it. Towbars longer than 19 feet must be flagged during daylight hours and lighted at night.

For combinations with a cargo-carrying length of 81.5 feet or less, neither trailer may exceed 45 feet, including load overhang. Vehicles may be 12 feet wide when hauling baled feed during daylight hours.

For combinations with a cargo-carrying length over 81.5 feet long, neither trailer may exceed 48 feet, including load overhang. Loading the rear of the trailer heavier than the front is not allowed. All axles except the steering axle require dual tires. Axles spaced 8 feet or less apart must weigh within 500 pounds of each other. The trailer hitch offset may not exceed 6 feet. The maximum effective rear trailer overhang may not exceed 35 percent of the trailer's wheelbase. The power unit must have sufficient power to maintain 40 miles per hour. A "LONG LOAD" sign measuring 18 inches high by 7 feet long with black on yellow lettering 10 inches high is required on the rear. Offtracking is limited to 8.75 feet for a turning radius of 161 feet.

Offtracking Formula =

$$161 - [161^2 - L_1^2 - L_2^2 + L_3^2 - L_4^2 - L_5^2 + L_6^2 - L_7^2 - L_8^2]^{1/2}$$

NOTE: L₁ through L₈ are measurements between points of articulation or vehicle pivot points. Squared dimensions to stinger steer points of articulation are negative. For two trailing

COMBINATION: Truck-trailer

LENGTH OF CARGO-CARRYING UNITS: 70 feet, 5 inches.

WEIGHT: This combination must operate in compliance with State laws and regulations. Because it is not an LCV, it is not subject to the ISTEAs freeze as it applies to maximum weight.

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unit combinations where at least one trailer is 45 feet long or longer, all the dimensions used to calculate offtracking must be written in the "Permit Restriction" area of the permit along with the offtracking value derived from the calculation.

PERMIT: For combinations with a cargo-carrying length of 81.5 feet or less, a single-trip permit is required for movement on the Interstate System if the gross vehicle weight exceeds 80,000 pounds. An annual or single-trip permit is required for hauling baled feed over 102 inches wide.

For combinations with a cargo-carrying length greater than 81.5 feet, a single-trip permit is required for all movements. Operations must be discontinued when roads are slippery due to moisture, visibility must be good, and wind conditions must not cause trailer whip or sway.

For all combinations, a fee is charged for any permit. **ACCESS:** For combinations with a cargo-carrying length of 81.5 feet or less, access is Statewide off the NN unless restricted by the South Dakota DOT.

For combinations with a cargo-carrying length greater than 81.5 feet, access to operating routes must be approved by the South Dakota DOT.

ROUTES: Combinations with a cargo-carrying length of 81.5 feet or less may use all NN routes. Combinations with a cargo-carrying length over 81.5 feet, are restricted to the Interstate System and:

	From	To
US 14	W. Jct US 14 Bypass and US 14	So. Jct. US 14 and US 281 Brookings
Bypass US 14	I-29 Exit 133 Brookings	W. Jct US 14 By-pass and US 14 Brookings
US 85	I-90 Exit 10 Spearfish	North Dakota
US 281	I-90 Exit 310	So. Jct. US 14 and US 281
US 281	8th Ave. Aberdeen	North Dakota
SD 50	Burleigh Street Yankton	I-29 Exit 26

LEGAL CITATIONS:

SDCL 32-22-8.1, -38, -39, -41, -42, and -52; and Administrative Rules 70:03:01:37, :47, :48, and :60 through :70.

COMBINATION: Truck tractor and 3 trailing units—LCV

LENGTH OF CARGO-CARRYING UNITS: 100 feet

MAXIMUM ALLOWABLE GROSS WEIGHT: 129,000 pounds

OPERATIONAL CONDITIONS:

WEIGHT, DRIVER, PERMIT, and **ACCESS:** Same as the SD-TT2 combination.

VEHICLE: Same as the SD-TT2 combination, except trailer lengths are limited to 28.5 feet, including load overhang, and the overall length cannot exceed 110 feet, including load overhang.

ROUTES: Same as the SD-TT2 combination with a cargo-carrying length over 81.5 feet.

LEGAL CITATIONS:

SDCL 32-22-14.14, -38, -39, -42, and -52; and Administrative Rules 70:03:01:60 through :70.

COMBINATION: Truck-Trailer

LENGTH OF CARGO-CARRYING UNITS: 73 feet **OPERATIONAL CONDITIONS:**

WEIGHT: This combination must operate in compliance with State laws and regulations. Because it is not an LCV, it is not subject to the ISTE freeze as it applies to maximum weight.

DRIVER, and **PERMIT:** Same as the SD-TT2 combination.

VEHICLE: Same as the SD-TT2 combination except that in addition, the overall length including load overhang is limited to 80 feet. Trailer length is not limited.

ACCESS: Same as the access provisions for the SD-TT2 combination with a cargo-carrying length of 81.5 feet or less.

ROUTES: Same as the route provisions for the SD-TT2 combination with a cargo-carrying length of 81.5 feet or less.

LEGAL CITATIONS:

SDCL 32-22-8.1, -38, -39, -41, -42, and -52; and Administrative Rules 70:03:01:37, :47, and :48.

COMBINATION: Truck-Trailer

LENGTH OF CARGO-CARRYING UNITS: 78 feet

OPERATIONAL CONDITIONS:

WEIGHT: This combination must operate in compliance with State laws and regulations. Because it is not an LCV, it is not subject to the ISTE freeze as it applies to maximum weight.

DRIVER, and **PERMIT:** Same as the SD-TT2 combination.

VEHICLE: Same as the SD-TT2 combination with a cargo-carrying length over 81.5 feet, except that in addition, the overall length is limited to 85 feet.

ACCESS: Same as the access provisions for the SD-TT2 combination with a cargo-carrying length greater than 81.5 feet.

ROUTES: Same as the route provisions for the SD-TT2 combination with a cargo-carrying length greater than 81.5 feet.

LEGAL CITATIONS:

SDCL 32-22-38, -39, -42, and -52; and Administrative Rules 70:03:01:60 through :70.

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STATE: UTAH

COMBINATION: Truck tractor and 2 trailing units—LCV

LENGTH OF THE CARGO-CARRYING UNITS: 95 feet

MAXIMUM ALLOWABLE GROSS WEIGHT: 129,000 pounds

OPERATIONAL CONDITIONS:

WEIGHT: Weight limits are as follows:

- Single axle: 20,000 pounds
- Tandem axle: 34,000 pounds
- Gross weight: 129,000 pounds

Vehicles must comply with the Federal Bridge Formula

Tire loading on vehicles requiring an overweight or oversize permit shall not exceed 500 pounds per inch of tire width for tires 11 inches wide and greater, and 450 pounds per inch of tire width for tires less than 11 inches wide as designated by the tire manufacturer on the side wall of the tire. Tire loading on vehicles not requiring an overweight or oversize permit shall not exceed 600 pounds per inch of tire width as designated by the tire manufacturer on the sidewall.

DRIVER: The driver must have a commercial driver's license with the appropriate endorsement. Carriers must certify that their drivers have a safe driving record and have passed a road test administered by a qualified safety supervisor.

VEHICLE: While in transit, no trailer shall be positioned ahead of another trailer which carries an appreciably heavier load. An empty trailer shall not precede a loaded trailer. Vehicles shall be powered to operate on level terrain at speeds compatible with other traffic. They must be able to maintain a minimum speed of 20 miles per hour under normal operating conditions on any grade of 5 percent or less over which the combination is operated and be able to resume a speed of 20 miles per hour after stopping on any such grade, except in extreme weather conditions.

Oversize signs are required on vehicles in excess of 75 feet in length on two-lane highways.

A heavy-duty fifth wheel is required. All fifth wheels must be clean and lubricated with a light-duty grease prior to each trip. The fifth wheel must be located in a position which provides adequate stability. Pick-up plates must be of equal strength to the fifth wheel. The kingpin must be of a solid type and permanently fastened. Screw-out or folding-type kingpins are prohibited.

All hitch connections must be of a no-slack type, preferably a power-actuated ram. Air-actuated hitches which are isolated from the primary air transmission system are recommended.

The drawbar length should be the practical minimum consistent with the clearances required between trailers for turning and backing maneuvers.

Axles must be those designed for the width of the body.

All braking systems must comply with State and Federal requirements. In addition, fast air transmission and release valves must be provided on all semitrailer and converter-dolly axles. A brake force limiting valve, sometimes called a "slippery road" valve, may be provided on the steering axle. Anti-sail type mud flaps are recommended.

The use of single tires on any combination vehicle requiring an overweight or oversize permit shall not be allowed on single axles. A single axle is defined as one having more than

8 feet between it and the nearest axle or group of axles on the vehicle.

When traveling on a level, smooth paved surface, the trailing units must follow in the path of the towing vehicle without shifting or swerving more than 3 inches to either side when the towing vehicle is moving in a straight line. Each combination shall maintain a minimum distance of 500 feet from another commercial vehicle traveling in the same direction on the same highway. Loads shall be securely fastened to the transporter with material and devices of sufficient strength to prevent the load from becoming loose, detached, dangerously displaced, or in any manner a hazard to other highway users. The components of the load shall be reinforced or bound securely in advance of travel to prevent debris from being blown off the unit and endangering the safety of the traveling public. Any debris from the special permit vehicle deposited on the highway shall be removed by the permittee.

Bodily injury and property damage insurance is required before a special Transportation Permit will be issued.

In the event any claim arises against the State of Utah, Utah Department of Transportation, Utah Highway Patrol, or their employees from the operation granted under the permit, the permittee shall agree to indemnify and hold harmless each of them from such claim.

PERMIT: Permits must be purchased. The Utah DOT Motor Carrier Safety Division will, on submission of an LCV permit request, assign an investigator to perform an audit on the carrier, which must have an established safety program that is in compliance with the Federal Motor Carrier Safety Regulations (49 CFR 387-399), the Federal Hazardous Materials Regulations (49 CFR 171-178), and a "Satisfactory" safety rating. The request must show a travel plan for the operation of the vehicles. Permits are subject to Highway Patrol supervision and permitted vehicles may be subject to temporary delays or removed from the highways when necessary during hazardous road, weather, or traffic conditions. The permit will be cancelled without refund if violated. Expiration dates cannot be extended except for reasons beyond the control of the permittee, including adverse weather. Permits are void if defaced, modified, or obliterated. Lost or destroyed permits cannot be duplicated and are not transferable.

ACCESS: Routes approved by the Utah DOT plus local delivery destination travel on two-lane roads.

ROUTES: For combinations with a cargo-carrying length of 85 feet or less, all NN routes. Combinations with a cargo-carrying length over 85 feet are restricted to the following NN routes:

	FROM	TO
I-15	Arizona	Idaho
I-70	Jct. I-15	Colorado
I-80	Nevada	Wyoming
I-84	Idaho	Jct. I-80
I-215	Entire length in the Salt Lake	City area
UT-201	I-80 Exit 102 Lake Point Jct.	300 West Street Salt Lake City

LEGAL CITATIONS:

Utah Code 27-12-154 and -155; Utah Administrative Code, Section R-909-1.

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COMBINATION: Truck tractor and 3 trailing units—LCV

LENGTH OF THE CARGO-CARRYING UNITS: 95 feet

MAXIMUM ALLOWABLE GROSS WEIGHT: 129,000 pounds

OPERATIONAL CONDITIONS: Same as the UT-TT2 combination.

ROUTES: Same as the UT-TT2 combination with a cargo-carrying length greater than 85 feet.

LEGAL CITATIONS: Same as the UT-TT2 combination.

COMBINATION: Truck-trailer

LENGTH OF THE CARGO-CARRYING UNITS: 88 feet

OPERATIONAL CONDITIONS:

WEIGHT: This combination must operate in compliance with State laws and regulations. Because it is not an LCV, it is not subject to the ISTEAs freeze as it applies to maximum weight.

DRIVER, VEHICLE, PERMIT, and *ACCESS:* Same as the UT-TT2 combination.

ROUTES: 1. Truck-trailer combinations hauling bulk gasoline or LP gas: cargo-carrying length less than or equal to 78 feet, all NN routes; cargo-carrying lengths over 78 feet up to and including 88 feet, same as UT-TT2 with cargo-carrying length over 85 feet.

2. All other truck-trailer combinations: cargo-carrying length less than or equal to 70 feet, all NN routes; cargo-carrying lengths over 70 feet up to and including 78 feet, same as UT-TT2 with cargo-carrying length over 85 feet.

LEGAL CITATIONS: Same as the UT-TT2 combination.

COMBINATION: Truck-trailer-trailer

LENGTH OF THE CARGO-CARRYING UNITS: 88 feet

OPERATIONAL CONDITIONS: Same as the Utah truck-trailer combination.

ROUTES: Same as the UT-TT2

LEGAL CITATIONS: Same as the UT-TT2 combination.

COMBINATION: Automobile transporter

LENGTH OF THE CARGO-CARRYING UNITS: 105 feet

OPERATIONAL CONDITIONS:

WEIGHT, DRIVER, PERMIT, and *ACCESS:* Same as the Utah truck-trailer combination.

VEHICLE: The cargo-carrying length of automobile transporters that carry vehicles on the power unit is the same as the overall length.

ROUTES: For automobile transporters with a cargo-carrying length of 92 feet or less, all NN routes. Automobile transporters with a cargo-carrying length over 92 feet up to and including 105 feet, same as UT-TT2 with cargo-carrying length over 85 feet.

LEGAL CITATIONS: Same as the UT-TT2 combination.

STATE: WASHINGTON

COMBINATION: Truck tractor and 2 trailing units—LCV

LENGTH OF THE CARGO-CARRYING UNITS: 68 feet

MAXIMUM ALLOWABLE GROSS WEIGHT: 105,500 pounds

OPERATIONAL CONDITIONS:

WEIGHT: Single axle limit = 20,000 pounds; tandem axle limit = 34,000 pounds; gross weight must comply with the Federal Bridge Formula.

DRIVER: The driver must have a commercial driver's license with the appropriate endorsement.

VEHICLE: Operating conditions are the same for permitted doubles as for STAA of 1982 doubles.

PERMIT: Combinations with a cargo-carrying length over 60 feet in length but not exceeding 68 feet must obtain an annual overlength permit to operate. A fee is charged.

ACCESS: All State routes except SR 410 and SR 123 in or adjacent to Mt. Rainier National Park. In addition, restrictions may be imposed by local governments having maintenance responsibilities for local highways.

ROUTES: All NN routes except SR 410 and SR 123 in the vicinity of Mt. Rainier National Park.

LEGAL CITATIONS:

RCW 46.37, 46.44.030, .037(3), .041, and .0941.

COMBINATION: Truck-trailer

LENGTH OF THE CARGO-CARRYING UNITS: 68 feet

OPERATIONAL CONDITIONS:

WEIGHT: This combination must operate in compliance with State laws and regulations. Because it is not an LCV, it is not subject to the ISTEAs freeze as it applies to maximum weight.

DRIVER, PERMIT, and *ACCESS:* Same as the WA-TT2 combination.

VEHICLE: Overall length limited to 75 feet.

ROUTES: Same as the WA-TT2 combination.

LEGAL CITATIONS: Same as the WA-TT2 combination.

STATE: WYOMING

COMBINATION: Truck tractor and 2 trailing units—LCV

LENGTH OF THE CARGO-CARRYING UNITS: 81 feet

MAXIMUM ALLOWABLE GROSS WEIGHT: 117,000 pounds

OPERATIONAL CONDITIONS:

WEIGHT: No single axle shall carry a load in excess of 20,000 pounds. No tandem axle shall carry a load in excess of 36,000 pounds. No triple axle, consisting of three consecutive load-bearing axles that articulate from an attachment to the vehicle including a connecting mechanism to equalize the load between axles having a spacing between the first and third axle of at least 96 inches and not more than 108 inches, shall carry a load in excess of 42,500 pounds. No vehicles operated on the Interstate System shall exceed the maximum weight allowed by application of Federal Bridge Weight Formula B.

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No wheel shall carry a load in excess of 10,000 pounds. No tire on a steering axle shall carry a load in excess of 750 pounds per inch of tire width and no other tire on a vehicle shall carry a load in excess of 600 pounds per inch of tire width. "Tire width" means the width stamped on the tire by the manufacturer.

Dummy axles may not be considered in the determination of allowable weights.

DRIVER: The driver must have a commercial driver's license with the appropriate endorsement.

VEHICLE: The lead semitrailer can be up to 48 feet long with the trailing unit up to 40 feet long. In a truck tractor-semitrailer-trailer combination, the heavier towed vehicle shall be directly behind the truck-tractor and the lighter towed vehicle shall be last if the weight difference between consecutive towed vehicles exceeds 5,000 pounds.

PERMITS: No permits required.

ACCESS: Unlimited access off the NN to terminals.

ROUTES: All NN routes.

LEGAL CITATIONS:

WS 31-5-1001, -1002, -1004, -1008, and WS 31-17-1-1 through 31-17-117.

COMBINATION: Truck-trailer

LENGTH OF THE CARGO-CARRYING UNITS: 78 feet

OPERATIONAL CONDITIONS:

WEIGHT: This combination must operate in compliance with State laws and regulations. Because it is not an LCV, it is not subject to the ISTEAs freeze as it applies to maximum weight.

DRIVER, PERMIT, and ACCESS: Same as the WY-TT2 combination.

VEHICLE: No single vehicle shall exceed 60 feet in length within an overall limit of 85 feet.

ROUTES: Same as the WY-TT2 combination.

LEGAL CITATIONS:

WS 31-5-1002

COMBINATION: Automobile/Boat Transporter

LENGTH OF CARGO CARRYING UNITS: 85 feet

OPERATIONAL CONDITIONS:

WEIGHT: This combination must operate in compliance with State laws and regulations. Because it is not an LCV, it is not subject to the ISTEAs freeze as it applies to maximum weight.

DRIVER, PERMIT, and ACCESS: Same as the WY-TT2 combination.

VEHICLE: The cargo-carrying length of automobile transporters that carry vehicles on the power unit is the same as the overall length. No single vehicle shall exceed 60 feet in length within an overall limit of 85 feet.

ROUTES: Same as the WY-TT2 combination.

LEGAL CITATIONS: Same as the WY-TT2 combination.

COMBINATION: Saddle-mount Combination

LENGTH OF CARGO CARRYING UNITS: 85 feet

WEIGHT: This combination must operate in compliance with State laws and regulations. Because it is not an LCV, it is not subject to the ISTEAs freeze as it applies to maximum weight.

DRIVER, PERMIT, and ACCESS: Same as the WY-TT2 combination.

VEHICLE: The cargo-carrying length of saddle-mount combinations that carry vehicles on the power unit is the same as the overall length. No single vehicle shall exceed 60 feet in length within an overall limit of 85 feet.

No more than three saddle-mounts may be used in any combination, except additional vehicles may be transported when safely loaded upon the frame of a vehicle in a properly

assembled saddle-mount combination.

Towed vehicles in a triple saddle-mount combination shall have brakes acting on all wheels which are in contact with the roadway.

All applicable State and Federal rules on coupling devices shall be observed and complied with.

ROUTES: Same as the WY-TT2 combination.

LEGAL CITATIONS: Same as the WY-TT2 combination.

[77 FR 32014, May 31, 2012]

APPENDIX D TO PART 658—DEVICES THAT ARE EXCLUDED FROM MEASUREMENT OF THE LENGTH OR WIDTH OF A COMMERCIAL MOTOR VEHICLE

The following devices are excluded from measurement of the length or width of a commercial motor vehicle, as long as they do not carry property and do not exceed the dimensional limitations included in §658.16. This list is not exhaustive.

- All devices at the front of a semitrailer or trailer including, but not limited to, the following:
 - A device at the front of a trailer chassis to secure containers and prevent movement in transit;
 - A front coupler device on a semitrailer or trailer used in road and rail intermodal operations;
 - Aerodynamic devices, air deflector;
 - Air compressor;
 - Certificate holder (manifest box);
 - Door vent hardware;
 - Electrical connector;
 - Gladhand;
 - Handhold;
 - Hazardous materials placards and holders;
 - Heater;
 - Ladder;
 - Non-load carrying tie-down devices on automobile-transporters;
 - Pickup plate lip;
 - Pump offline on tank trailer;
 - Refrigeration unit;
 - Removable bulkhead;
 - Removable stakes;
 - Stabilizing jack (anti-nosedive device);
 - Stake pockets;
 - Step;
 - Tarp basket;
 - Tire carrier; and
 - Uppercoupler.
- Devices excluded from length measurement at the rear of a semitrailer or trailer including, but not limited to, the following:
 - Handhold;
 - Hazardous materials placards and holders;
 - Ladder;
 - Pintle hook;
 - Removable stakes;
 - Splash and spray suppression device;
 - Stake pockets; and
 - Step.
- Devices excluded from width determination, not to exceed 3 inches from the side of the vehicle including, but not limited to, the following:
 - Corner caps;

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- (b) Hazardous materials placards and holders;
- (c) Lift pads for trailer on flatcar (piggyback) operation;
- (d) Rain gutters;
- (e) Rear and side door hinges and their protective hardware;
- (f) Side marker lamps;
- (g) Structural reinforcement for side doors or intermodal operation (limited to 1 inch from the side within the 3 inch maximum extension);
- (h) Tarping systems for open-top trailers;
- (i) Movable devices to enclose the cargo area of flatbed semi-trailers or trailers, usually called tarping systems, where no component part of the system extends more than 3 inches from the sides or back of the vehicle when the vehicle is in operation. This exclusion applies to all component parts of tarping systems, including the transverse structure at the front of the vehicle to which the sliding walls and roof of the tarp mechanism are attached, provided the structure is not also intended or designed to comply with 49 CFR 393.106, which requires a headerboard strong enough to prevent cargo from penetrating or crushing the cab; the transverse structure may be up to 108 inches wide if properly centered so that neither side extends more than 3 inches beyond the structural edge of the vehicle. Also excluded from measurement are side rails running the length of the vehicle and rear doors, provided the only function of the latter, like that of the transverse structure at the front of the vehicle, is to seal the cargo area and anchor the sliding walls and roof. On the other hand, a headerboard designed to comply with 49 CFR 393.106 is load bearing and thus limited to 102 inches in width. However, the “wings” designed to close the gap between such a headerboard and the movable walls and roof of a tarping system are width exclusive, provided they are add-on pieces designed to bear only the load of the tarping system itself and are not integral parts of the load-bearing headerboard structure;
- (j) Tie-down assembly on platform trailers;
- (k) Wall variation from true flat; and
- (l) Weevil pins and sockets on low-bed trailers.

CFR Title 49 – Transportation

NOTE: The Federal Motor Carrier Safety Administration (FMCSA) has adopted new training requirements for commercial drivers who pull two or more trailers or semi-trailers on interstate highways. The new rule became effective June 1, 2004 and requires drivers who wish to operate longer combination vehicles (LCVs) as outlined in Appendix C to Part 658) must first complete a driver training program provided by qualified instructors. Drivers who have been operating LCVs for the past two years and have a safe driving record will be exempt from the new requirements, but must be issued a “Certificate of Grandfathering” to prove their exempt status.

(Part 380 - Special Training Requirements and Part 391 - Qualification of Drivers are contained in the CFR Title 49 - Transportation.)

PART 380—SPECIAL TRAINING REQUIREMENTS

Subpart A—Longer Combination Vehicle (LCV) Driver-Training and Driver-Instructor Requirements—General

- Sec.
- 380.101 Purpose and scope.
- 380.103 Applicability.
- 380.105 Definitions.
- 380.107 General requirements.
- 380.109 Driver testing.

- 380.111 Substitute for driver training.
- 380.113 Employer responsibilities.

Subpart B—LCV Driver-Training Program

- 380.201 General requirements.
- 380.203 LCV Doubles.
- 380.205 LCV Triples.

Subpart C—LCV Driver-Instructor Requirements

- 380.301 General requirements.
- 380.303 Substitute for instructor requirements.
- 380.305 Employer responsibilities.

Subpart D—Driver-Training Certification

- 380.401 Certification document.

Subpart E—Entry-Level Driver Training Requirements

- 380.501 Applicability.
- 380.502 Definitions.
- 380.503 Entry-level driver training requirements.
- 380.505 Proof of training.
- 380.507 Driver responsibilities.
- 380.509 Employer responsibilities.
- 380.511 Employer recordkeeping responsibilities.
- 380.513 Required information on the training certificate.
- Appendix to Part 380—LCV Driver Training Programs, Required Knowledge and Skills

Authority: 49 U.S.C. 31133, 31136, 31307, and 31502; sec. 4007(a) and (b) of Pub. L. 102–240 (105 Stat. 2151–2152); and 49 CFR 1.87.

Subpart A—Longer Combination Vehicle (LCV) driver-training and driver-instructor requirements—general

§380.101 Purpose and scope.

(a) **Purpose.** The purpose of this part is to establish minimum requirements for operators of longer combination vehicles (LCVs) and LCV driver-instructors.

(b) **Scope.** This part establishes:

- (1) Minimum training requirements for operators of LCVs;
- (2) Minimum qualification requirements for LCV driver-instructors; and
- (3) Procedures for determining compliance with this part by operators, instructors, training institutions, and employers.

[69 FR 16732, Mar. 30, 2004]

§380.103 Applicability.

The rules in this part apply to all operators of LCVs in interstate commerce, employers of such persons, and LCV driver-instructors.

[69 FR 16732, Mar. 30, 2004]

§380.105 Definitions.

(a) The definitions in part 383 of this subchapter apply to this part, except where otherwise specifically noted.

(b) As used in this part:

Classroom instructor means a qualified LCV driver-instructor who provides knowledge instruction that does not involve the actual operation of a longer combination vehicle or its components. Instruction may take place in a parking lot, garage, or any other facility suitable for instruction.

Longer combination vehicle (LCV) means any combination of a truck-tractor and two or more trailers or semi-trailers, which operate on the National System of Interstate and Defense Highways with a gross vehicle weight (GVW) greater than 36,288 kilograms (80,000 pounds).

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LCV Double means an LCV consisting of a truck-tractor in combination with two trailers and/or semi-trailers.

LCV Triple means an LCV consisting of a truck-tractor in combination with three trailers and/or semi-trailers.

Qualified LCV driver-instructor means an instructor meeting the requirements contained in subpart C of this part. There are two types of qualified LCV driver-instructors: (1) classroom instructor and (2) skills instructor.

Skills instructor means a qualified LCV driver-instructor who provides behind-the-wheel instruction involving the actual operation of a longer combination vehicle or its components outside a classroom.

Training institution means any technical or vocational school accredited by an accrediting institution recognized by the U.S. Department of Education. A motor carrier's training program for its drivers or an entity that exclusively offers services to a single motor carrier is not a training institution.

§380.107 General requirements.

(a) Except as provided in §380.111, a driver who wishes to operate an LCV shall first take and successfully complete an LCV driver-training program that provides the knowledge and skills necessary to operate an LCV. The specific types of knowledge and skills that a training program shall include are outlined in the appendix to this part.

(b) Before a person receives training:

(1) That person shall present evidence to the LCV driver-instructor showing that he/she meets the general requirements set forth in subpart B of this part for the specific type of LCV training to be taken.

(2) The LCV driver-instructor shall verify that each trainee applicant meets the general requirements for the specific type of LCV training to be taken.

(c) Upon successful completion of the training requirement, the driver-student shall be issued an LCV Driver Training Certificate by a certifying official of the training entity in accordance with the requirements specified in subpart D of this part.

§380.109 Driver testing.

(a) **Testing methods.** The driver-student must pass knowledge and skills tests in accordance with the following requirements, to determine whether a driver-student has successfully completed an LCV driver-training program as specified in subpart B of this part. The written knowledge test may be administered by any qualified driver-instructor. The skills tests, based on actual operation of an LCV, must be administered by a qualified LCV skills instructor.

(1) All tests shall be constructed to determine if the driver-student possesses the required knowledge and skills set forth in the appendix to this part for the specific type of LCV training program being taught.

(2) Instructors shall develop their own tests for the specific type of LCV-training program being taught, but those tests must be at least as stringent as the requirements set forth in paragraph (b) of this section.

(3) LCV driver-instructors shall establish specific methods for scoring the knowledge and skills tests.

(4) Passing scores must meet the requirements of paragraph (b) of this section.

(5) Knowledge and skills tests shall be based upon the information taught in the LCV training programs as set forth in the appendix to this part.

(6) Each knowledge test shall address the training provided during both theoretical and behind-the-wheel instruction, and include at least one question from each of the units listed in the table to the appendix to this part, for the specific type of LCV training program being taught.

(7) Each skills test shall include all the maneuvers and operations practiced during the Proficiency Development unit of instruction (behind-the-wheel instruction), as described in the appendix to this part, for the specific type of LCV training program being taught.

(b) **Proficiency determinations.** The driver-student must meet the following conditions to be certified as an LCV driver:

(1) Answer correctly at least 80 percent of the questions on each knowledge test; and

(2) Demonstrate that he/she can successfully perform all of the skills addressed in paragraph (a)(7) of this section.

(c) **Automatic test failure.** Failure to obey traffic laws or involvement in a preventable crash during the skills portion of the test will result in automatic failure. Automatic test failure determinations are made at the sole discretion of the qualified LCV driver-instructor.

(d) **Guidance for testing methods and proficiency determinations.** Motor carriers should refer to the Examiner's Manual for Commercial Driver's License Tests for help in developing testing methods and making proficiency determinations. You may obtain a copy of this document by contacting the American Association of Motor Vehicle Administrators (AAMVA), 4300 Wilson Boulevard, Suite 400, Arlington, Virginia 22203.

§380.111 Substitute for driver training.

(a) **Grandfather clause.** The LCV driver-training requirements specified in subpart B of this part do not apply to an individual who meets the conditions set forth in paragraphs (b), (c), and (d) of this section. A motor carrier must ensure that an individual claiming eligibility to operate an LCV on the basis of this section meets these conditions before allowing him/her to operate an LCV.

(b) An individual must certify that, during the 2-year period immediately preceding the date of application for a Certificate of Grandfathering, he/she had:

(1) A valid Class A CDL with a "double/triple trailers" endorsement;

(2) No more than one driver's license;

(3) No suspension, revocation, or cancellation of his/her CDL;

(4) No convictions for a major offense while operating a CMV as defined in §383.51(b) of this subchapter;

(5) No convictions for a railroad-highway grade crossing offense while operating a CMV as defined in §383.51(d) of this subchapter;

(6) No convictions for violating an out-of-service order as defined in §383.51(e) of this subchapter;

(7) No more than one conviction for a serious traffic violation, as defined in §383.5 of this subchapter, while operating a CMV; and

(8) No convictions for a violation of State or local law relating to motor vehicle traffic control arising in connection with any traffic crash while operating a CMV.

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(c) An individual must certify and provide evidence that he/she:

(1) Is regularly employed in a job requiring the operation of a CMV that requires a CDL with a double/triple trailers endorsement; and

(2) Has operated, during the 2 years immediately preceding the date of application for a Certificate of Grandfathering, vehicles representative of the type of LCV that he/she seeks to continue operating.

(d) A motor carrier must issue a Certificate of Grandfathering to a person who meets the requirements of this section and must maintain a copy of the certificate in the individual's Driver Qualification file.

Longer Combination Vehicle (LCV) Driver-Training Certificate of Grandfathering	
I certify that _____ has presented evidence of meeting the prerequisites set forth in the Federal Motor Carrier Safety Regulations (49 CFR § 380.111) for the substitute for LCV driver training and is qualified to operate the LCVs indicated below:	
YES	NO
<input type="checkbox"/>	<input type="checkbox"/>
LCV Doubles	
<input type="checkbox"/>	<input type="checkbox"/>
LCV Triples	
DRIVER NAME (First name, MI, Last name)	
Commercial Driver's License Number	STATE
ADDRESS OF DRIVER (Street Address, City, State and Zip Code)	
FULL NAME OF MOTOR CARRIER	Telephone Number
ADDRESS OF PRINCIPAL PLACE OF BUSINESS (Street Address, City, State, and Zip Code)	
SIGNATURE OF MOTOR CARRIER OFFICIAL	DATE ISSUED

(e) An applicant may be grandfathered under this section only during the year following June 1, 2004.

§380.113 Employer responsibilities.

(a) No motor carrier shall:

(1) Allow, require, permit or authorize an individual to operate an LCV unless he/she meets the requirements in §§380.203 or 380.205 and has been issued the LCV driver-training certificate described in §380.401. This provision does not apply to individuals who are eligible for the substitute for driver training provision in §380.111.

(2) Allow, require, permit, or authorize an individual to operate an LCV which the LCV driver-training certificate, CDL, and CDL endorsement(s) do not authorize the driver to operate. This provision applies to individuals employed by or under contract to the motor carrier.

(b) A motor carrier that employs or has under contract LCV drivers shall provide evidence of the certifications required by §380.401 or §380.111 of this part when requested by an authorized FMCSA, State, or local official in the course of a compliance review.

Subpart B — LCV Driver-Training Program

§380.201 General requirements.

(a) The LCV Driver-Training Program that is described in the appendix to this part requires training using an LCV Double or LCV Triple and must include the following general categories of instruction:

- (1) Orientation;
- (2) Basic operation;
- (3) Safe operating practices;
- (4) Advanced operations; and

(5) Nondriving activities.

(b) The LCV Driver-Training Program must include the minimum topics of training set forth in the appendix to this part and behind-the-wheel instruction that is designed to provide an opportunity to develop the skills outlined under the Proficiency Development unit of the training program.

§380.203 LCV Doubles.

(a) To qualify for the training necessary to operate an LCV Double, a driver-student shall, during the 6 months immediately preceding application for training, have:

(1) A valid Class A CDL with a double/triple trailer endorsement;

(2) Driving experience in a Group A vehicle as described in §383.91 of this subchapter. Evidence of driving experience shall be an employer's written statement that the driver has, for at least 6 months immediately preceding application, operated a Group A vehicle while under his/her employ;

(3) No more than one driver's license;

(4) No suspension, revocation, or cancellation of his/her CDL;

(5) No convictions for a major offense, as defined in §383.51(b) of this subchapter, while operating a CMV;

(6) No convictions for a railroad-highway grade crossing offense, as defined in §383.51(d) of this subchapter, while operating a CMV;

(7) No convictions for violating an out-of-service order as defined in §383.51(e) of this subchapter;

(8) No more than one conviction for a serious traffic violation, as defined in §383.5 of this subchapter, while operating a CMV; and

(9) No convictions for a violation of State or local law relating to motor vehicle traffic control arising in connection with any traffic crash while operating a CMV.

(b) Driver-students meeting the preliminary requirements in paragraph (a) of this section shall successfully complete a training program that meets the minimum unit requirements for LCV Doubles as set forth in the appendix to this part.

(c) Driver-students who successfully complete the Driver Training Program for LCV Doubles shall be issued a certificate, in accordance with subpart D of this part, indicating the driver is qualified to operate an LCV Double.

§380.205 LCV Triples.

(a) To qualify for the training necessary to operate an LCV Triple, a driver-student shall, during the 6 months immediately preceding application for training, have:

(1) A valid Class A CDL with a double/triple trailer endorsement;

(2) Experience operating the vehicle listed under paragraph (a)(2)(i) or (a)(2)(ii) of this section. Evidence of driving experience shall be an employer's written statement that the driver has, during the 6 months immediately preceding application, operated the applicable vehicle(s):

(i) Group A truck-tractor/semi-trailer combination as described in §383.91 of this subchapter; or

(ii) Group A truck-tractor/semi-trailer/trailer combination that operates at a gross vehicle weight of 80,000 pounds or less;

(3) No more than one driver's license;

(4) No suspension, revocation, or cancellation of his/her CDL;

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(5) No convictions for a major offense, as defined in §383.51(b) of this subchapter, while operating a CMV;

(6) No convictions for a railroad-highway grade crossing offense, as defined in §383.51(d) of this subchapter, while operating a CMV;

(7) No convictions for violating an out-of-service order, as defined in §383.51(e) of this subchapter;

(8) No more than one conviction for a serious traffic violation, as defined in §383.5 of this subchapter, while operating a CMV; and

(9) No convictions for a violation of State or local law relating to motor vehicle traffic control arising in connection with any traffic crash, while operating a CMV.

(b) Driver-students meeting the preliminary requirements in paragraph (a) of this section shall successfully complete a training program that meets the minimum unit requirements for LCV Triples as set forth in the appendix to this part.

(c) Driver-students who successfully complete the Driver Training Program for LCV Triples shall be issued a certificate, in accordance with subpart D of this part, indicating the driver is qualified to operate an LCV Triple.

[69 FR 16735, Mar. 30, 2004]

Subpart C—LCV driver-instructor requirements

§380.301 General requirements.

There are two types of LCV driver-instructors: Classroom instructors and Skills instructors. Except as provided in §380.303, you must meet the conditions under paragraph (a) or paragraph (b) of this section to qualify as an LCV driver-instructor.

(a) **Classroom instructor.** To qualify as an LCV Classroom instructor, a person shall:

(1) Have audited the driver-training course that he/she intends to instruct.

(2) If employed by a training institution, meet all State requirements for a vocational instructor.

(b) **Skills instructor.** To qualify as an LCV skills instructor, a person shall:

(1) Provide evidence of successful completion of the Driver-Training Program requirements, as set forth in subpart B of this part, when requested by employers and/or an authorized FMCSA, State, or local official in the course of a compliance review. The Driver-Training Program must be for the operation of CMVs representative of the subject matter that he/she will teach.

(2) If employed by a training institution, meet all State requirements for a vocational instructor;

(3) Possess a valid Class A CDL with all endorsements necessary to operate the CMVs applicable to the subject matter being taught (LCV Doubles and/or LCV Triples, including any specialized variation thereof, such as a tank vehicle, that requires an additional endorsement); and

(4) Have at least 2 years' CMV driving experience in a vehicle representative of the type of driver training to be provided (LCV Doubles or LCV Triples).

[69 FR 16735, Mar. 30, 2004]

§380.303 Substitute for instructor requirements.

(a) **Classroom instructor.** The requirements specified under §380.301(a) of this part for a qualified LCV driver-instructor are waived for a classroom instructor-candidate who has 2 years of recent satisfactory experience teaching the classroom portion of a program similar in content to that set forth in the appendix to this part.

(b) **Skills instructor.** The requirements specified under §380.301(b) of this part for a qualified LCV driver-instructor are waived for a skills instructor-candidate who:

(1) Meets the conditions of §380.111(b);

(2) Has CMV driving experience during the previous 2 years in a vehicle representative of the type of LCV that is the subject of the training course to be provided;

(3) Has experience during the previous 2 years in teaching the operation of the type of LCV that is the subject of the training course to be provided; and

(4) If employed by a training institution, meets all State requirements for a vocational instructor.

[69 FR 16735, Mar. 30, 2004]

§380.305 Employer responsibilities.

(a) No motor carrier shall: (1) Knowingly allow, require, permit or authorize a driver-instructor in its employ, or under contract to the motor carrier, to provide LCV driver training unless such person is a qualified LCV driver-instructor under the requirements of this subpart; or

(2) Contract with a training institution to provide LCV driver training unless the institution:

(i) Uses instructors who are qualified LCV driver-instructors under the requirements of this subpart;

(ii) Is accredited by an accrediting institution recognized by the U.S. Department of Education;

(iii) Is in compliance with all applicable State training school requirements; and

(iv) Identifies drivers certified under §380.401 of this part, when requested by employers and/or an authorized FMCSA, State, or local official in the course of a compliance review.

(b) A motor carrier that employs or has under contract qualified LCV driver-instructors shall provide evidence of the certifications required by §380.301 or §380.303 of this part, when requested by an authorized FMCSA, State, or local official in the course of a compliance review.

[69 FR 16735, Mar. 30, 2004]

Subpart D—Driver-training certification

§380.401 Certification document.

(a) A student who successfully completes LCV driver training shall be issued a Driver-Training Certificate that is substantially in accordance with the following form.

Larger Combination Vehicle (LCV) Driver-Training Certificate	
I certify that _____ has presented evidence of meeting the training prerequisites set forth in the Federal Motor Carrier Safety Regulations (49 CFR §§ 390.203(a) and 390.205(a)) for LCV training, and has successfully completed the LCV (Driver-Training Courses) indicated below:	
YES NO	LCV Doubles _____ Date Training Completed _____
<input type="checkbox"/> <input type="checkbox"/>	LCV Triples _____ Date Training Completed _____
I certify that the indicated LCV (Driver-Training course(s)) was provided by a qualified LCV driver-instructor as defined under 49 CFR § 390.103 and meets the minimum requirements set forth in 49 CFR part 390, Subparts A and B.	
DRIVER NAME (First Name, MI, Last Name) _____	
Commercial Driver's License Number _____ STATE _____	
ADDRESS OF DRIVER (Street Address, City, State and Zip Code) _____	
FULL NAME OF TRAINING ENTITY _____ Telephone Number _____	
BUSINESS ADDRESS (Street Address, City, State, and Zip Code) _____	
SIGNATURE OF TRAINING CERTIFYING OFFICIAL _____	DATE ISSUED _____

(b) An LCV driver must provide a copy of the Driver-Training Certificate to his/her employer to be filed in the Driver Qualification File.

[69 FR 16735, Mar. 30, 2004]

Subpart E—Entry-level driver training requirements

§380.501 Applicability.

All entry-level drivers who drive in interstate commerce and are subject to the CDL requirements of part 383 of this chapter must comply with the rules of this subpart, except drivers who

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are subject to the jurisdiction of the Federal Transit Administration or who are otherwise exempt under §390.3(f) of this subchapter.

§380.502 Definitions.

(a) The definitions in part 383 of this chapter apply to this part, except where otherwise specifically noted.

(b) As used in this subpart:

Entry-level driver is a driver with less than one year of experience operating a CMV with a CDL in interstate commerce.

Entry-level driver training is training the CDL driver receives in driver qualification requirements, hours of service of drivers, driver wellness, and whistleblower protection as appropriate to the entry-level driver's current position in addition to passing the CDL test.

[78 FR 58479, Sept. 24, 2013]

§380.503 Entry-level driver training requirements.

Entry-level driver training must include instruction addressing the following four areas:

(a) **Driver qualification requirements.** The Federal rules on medical certification, medical examination procedures, general qualifications, responsibilities, and disqualifications based on various offenses, orders, and loss of driving privileges (part 391, subparts B and E of this subchapter).

(b) **Hours of service of drivers.** The limitations on driving hours, the requirement to be off-duty for certain periods of time, record of duty status preparation, and exceptions (part 395 of this subchapter). Fatigue countermeasures as a means to avoid crashes.

(c) **Driver wellness.** Basic health maintenance including diet and exercise. The importance of avoiding excessive use of alcohol.

(d) **Whistleblower protection.** The right of an employee to question the safety practices of an employer without the employee's risk of losing a job or being subject to reprisals simply for stating a safety concern (29 CFR part 1978).

§380.505 Proof of training.

An employer who uses an entry-level driver must ensure the driver has received a training certificate containing all the information contained in §380.513 from the training provider.

§380.507 Driver responsibilities.

Each entry-level driver must receive training required by §380.503.

§380.509 Employer responsibilities.

(a) Each employer must ensure each entry-level driver who first began operating a CMV requiring a CDL in interstate commerce after July 20, 2003, receives training required by §380.503.

(b) Each employer must place a copy of the driver's training certificate in the driver's personnel or qualification file.

(c) All records required by this subpart shall be maintained as required by §390.31 of this subchapter and shall be made available for inspection at the employer's principal place of business within two business days after a request has been made by an authorized representative of the Federal Motor Carrier Safety Administration.

§380.511 Employer recordkeeping responsibilities

The employer must keep the records specified in §380.505 for as long as the employer employs the driver and for one year thereafter.

§380.513 Required information on the training certificate.

The training provider must provide a training certificate or diploma to the entry-level driver. If an employer is the training provider, the employer must provide a training certificate or diploma to the entry-level driver. The certificate or diploma must contain the following seven items of information:

(a) Date of certificate issuance.

(b) Name of training provider.

(c) Mailing address of training provider.

(d) Name of driver.

(e) A statement that the driver has completed training in driver qualification requirements, hours of service of drivers, driver wellness, and whistleblower protection requirements substantially in accordance with the following sentence:

I certify _____ has completed training requirements set forth in the Federal Motor Carrier Safety Regulations for entry-level driver training in accordance with 49 CFR 380.503.

(f) The printed name of the person attesting that the driver has received the required training.

(g) The signature of the person attesting that the driver has received the required training.

[69 FR 29404, May 21, 2004; 78 FR 58479, Sept. 24, 2013]

APPENDIX TO PART 380—LCV DRIVER TRAINING PROGRAMS, REQUIRED KNOWLEDGE AND SKILLS

The following table lists topics of instruction required for drivers of longer combination vehicles pursuant to 49 CFR part 380, subpart B. The training courses for operators of LCV Doubles and LCV Triples must be distinct and tailored to address their unique operating and handling characteristics. Each course must include the minimum topics of instruction, including behind-the-wheel training designed to provide an opportunity to develop the skills outlined under the Proficiency Development unit of the training program. Only a skills instructor may administer behind-the-wheel training involving the operation of an LCV or one of its components. A classroom instructor may administer only instruction that does not involve the operation of an LCV or one of its components.

Table to the Appendix—Course topics for LCV drivers

Section 1: Orientation	
1.1	LCVs in Trucking
1.2	Regulatory Factors
1.3	Driver Qualifications
1.4	Vehicle Configuration Factors
Section 2: Basic Operation	
2.1	Coupling and Uncoupling
2.2	Basic Control and Handling
2.3	Basic Maneuvers
2.4	Turning, Steering and Tracking
2.5	Proficiency Development
Section 3: Safe Operating Practices	
3.1	Interacting with Traffic
3.2	Speed and Space Management
3.3	Night Operations
3.4	Extreme Driving Conditions

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Section 3: Safe Operating Practices	
3.5	Security Issues
3.6	Proficiency Development
Section 4: Advanced Operations	
4.1	Hazard Perception
4.2	Hazardous Situations
4.3	Maintenance and Troubleshooting
Section 5: Non-Driving Activities	
5.1	Routes and Trip Planning
5.2	Cargo and Weight Considerations

Section 1—Orientation

The units in this section must provide an orientation to the training curriculum and must cover the role LCVs play within the motor carrier industry, the factors that affect their operations, and the role that drivers play in the safe operation of LCVs.

Unit 1.1—LCVs in Trucking. This unit must provide an introduction to the emergence of LCVs in trucking and must serve as an orientation to the course content. Emphasis must be placed upon the role the driver plays in transportation.

Unit 1.2—Regulatory factors. This unit must provide instruction addressing the Federal, State, and local governmental bodies that propose, enact, and implement the laws, rules, and regulations that affect the trucking industry. Emphasis must be placed on those regulatory factors that affect LCVs, including 23 CFR 658.23 and Appendix C to part 658.

Unit 1.3—Driver qualifications. This unit must provide classroom instruction addressing the Federal and State laws, rules, and regulations that define LCV driver qualifications. It also must include a discussion on medical examinations, drug and alcohol tests, certification, and basic health and wellness issues. Emphasis must be placed upon topics essential to physical and mental health maintenance, including (1) diet, (2) exercise, (3) avoidance of alcohol and drug abuse, and caution in the use of prescription and nonprescription drugs, (4) the adverse effects of driver fatigue, and (5) effective fatigue countermeasures. Driver-trainees who have successfully completed the Entry-level training segments at §380.503(a) and (c) are considered to have satisfied the requirements of Unit 1.3.

Unit 1.4—Vehicle configuration factors. This unit must provide classroom instruction addressing the key vehicle components used in the configuration of longer combination vehicles. It also must familiarize the driver-trainee with various vehicle combinations, as well as provide instruction about unique characteristics and factors associated with LCV configurations.

Section 2—Basic Operation

The units in this section must cover the interaction between the driver and the vehicle. They must teach driver-trainees how to couple and uncouple LCVs, ensure the vehicles are in proper operating condition, and control the motion of LCVs under various road and traffic conditions.

During the driving exercises at off-highway locations required by this section, the driver-trainee must first familiarize himself/herself with basic operating characteristics of an LCV. Utilizing an LCV, students must be able to perform the skills learned in each unit to a level of proficiency required to permit safe transition to on-street driving.

Unit 2.1—Coupling and uncoupling. This unit must provide instruction addressing the procedures for coupling and uncou-

pling LCVs. While vehicle coupling and uncoupling procedures are common to all truck-tractor/semi-trailer operations, some factors are peculiar to LCVs. Emphasis must be placed upon pre-planning and safe operating procedures.

Unit 2.2—Basic control and handling. This unit must provide an introduction to basic vehicular control and handling as it applies to LCVs. This must include instruction addressing brake performance, handling characteristics and factors affecting LCV stability while braking, turning, and cornering. Emphasis must be placed upon safe operating procedures.

Unit 2.3—Basic maneuvers. This unit must provide instruction addressing the basic vehicular maneuvers that will be encountered by LCV drivers. This must include instruction relative to backing, lane positioning and path selection, merging situations, and parking LCVs. Emphasis must be placed upon safe operating procedures as they apply to brake performance and directional stability while accelerating, braking, merging, cornering, turning, and parking.

Unit 2.4—Turning, steering, and tracking. This unit must provide instruction addressing turning situations, steering maneuvers, and the tracking of LCV trailers. This must include instruction related to trailer sway and off-tracking. Emphasis must be placed on maintaining directional stability.

Unit 2.5—Proficiency development: basic operations. The purpose of this unit is to enable driver-students to gain the proficiency in basic operation needed to safely undertake on-street instruction in the Safe Operations Practices section of the curriculum.

The activities of this unit must consist of driving exercises that provide practice for the development of basic control skills and mastery of basic maneuvers. Driver-students practice skills and maneuvers learned in the Basic Control and Handling; Basic Maneuvers; and Turning, Steering and Tracking units. A series of basic exercises is practiced at off-highway locations until students develop sufficient proficiency for transition to on-street driving.

Once the driver-student's skills have been measured and found adequate, the driver-student must be allowed to move to on-the-street driving.

Nearly all activity in this unit will take place on the driving range or on streets or roads that have low-density traffic conditions.

Section 3—Safe Operating Practices

The units in this section must cover the interaction between student drivers, the vehicle, and the traffic environment. They must teach driver-students how to apply their basic operating skills in a way that ensures their safety and that of other road users under various road, weather, and traffic conditions.

Unit 3.1—Interacting with traffic. This unit must provide instruction addressing the principles of visual search, communication, and sharing the road with other traffic. Emphasis must be placed upon visual search, mirror usage, signaling and/or positioning the vehicle to communicate, and understanding the special situations encountered by LCV drivers in various traffic situations.

Unit 3.2—Speed and space management. This unit must provide instruction addressing the principles of speed and space management. Emphasis must be placed upon maintaining safe vehicular speed and appropriate space surrounding the vehicle under various traffic and road conditions. Particular attention must be placed upon understanding the special situations encountered by LCVs in various traffic situations.

Unit 3.3—Night operations. This unit must provide instruction addressing the principles of Night Operations. Emphasis must be placed upon the factors affecting operation of LCVs at night. Night driving presents specific factors that require special attention on the part of the driver. Changes in vehicle safety inspection, vision, communications, speed management, and space management are needed to deal with the special problems night driving presents.

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Unit 3.4—Extreme driving conditions. This unit must provide instruction addressing the driving of LCVs under extreme driving conditions. Emphasis must be placed upon the factors affecting the operation of LCVs in cold, hot, and inclement weather and in the mountains and desert. Changes in basic driving habits are needed to deal with the specific problems presented by these extreme driving conditions.

Unit 3.5—Security issues. This unit must include a discussion of security requirements imposed by the Department of Homeland Security, Transportation Security Administration; the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration; and any other State or Federal agency with responsibility for highway or motor carrier security.

Unit 3.6—Proficiency development. This unit must provide driver-students an opportunity to refine, within the on-street traffic environment, their vehicle handling skills learned in the first three sections. Driver-student performance progress must be closely monitored to determine when the level of proficiency required for carrying out the basic traffic maneuvers of stopping, turning, merging, straight driving, curves, lane changing, passing, driving on hills, driving through traffic restrictions, and parking has been attained. The driver-student must also be assessed for regulatory compliance with all traffic laws.

Nearly all activity in this unit will take place on public roadways in a full range of traffic environments applicable to this vehicle configuration. This must include urban and rural uncontrolled roadways, expressways or freeways, under light, moderate, and heavy traffic conditions. There must be a brief classroom session to familiarize driver-students with the type of on-street maneuvers they will perform and how their performance will be rated.

The instructor must assess the level of skill development of the driver-student and must increase in difficulty, based upon the level of skill attained, the types of maneuvers, roadways and traffic conditions to which the driver-student is exposed.

Section 4—Advanced Operations

The units in this section must introduce higher level skills that can be acquired only after the more fundamental skills and knowledge taught in sections two and three have been mastered. They must teach the perceptual skills necessary to recognize potential hazards, and must demonstrate the procedures needed to handle an LCV when faced with a hazard.

The Maintenance and Trouble-shooting Unit must provide instruction that addresses how to keep the vehicle in safe and efficient operating condition. The purpose of this unit is to teach the correct way to perform simple maintenance tasks, and how to troubleshoot and report those vehicle discrepancies or deficiencies that must be repaired by a qualified mechanic.

Unit 4.1—Hazard perception. This unit must provide instruction addressing the principles of recognizing hazards in sufficient time to reduce the severity of the hazard and neutralize a possible emergency situation. While hazards are present in all motor vehicle traffic operations, some are peculiar to LCV operations. Emphasis must be placed upon hazard recognition, visual search, and response to possible emergency-producing

situations encountered by LCV drivers in various traffic situations.

Unit 4.2—Hazardous situations. This unit must address dealing with specific procedures appropriate for LCV emergencies. These must include evasive steering, emergency braking, off-road recovery, brake failures, tire blowouts, rearward amplification, hydroplaning, skidding, jackknifing and the roll-over phenomenon. The discussion must include a review of unsafe acts and the role they play in producing hazardous situations.

Unit 4.3—Maintenance and trouble-shooting. This unit must introduce driver-students to the basic servicing and checking procedures for the various vehicle components and provide knowledge of conducting preventive maintenance functions, making simple emergency repairs, and diagnosing and reporting vehicle malfunctions.

Section 5—Non-Driving Activities

The units in this section must cover activities that are not directly related to the vehicle itself but must be performed by an LCV driver. The units in this section must ensure these activities are performed in a manner that ensures the safety of the driver, vehicle, cargo, and other road users.

Unit 5.1—Routes and trip planning. This unit must address the importance of and requirements for planning routes and trips. This must include classroom discussion of Federal and State requirements for a number of topics including permits, vehicle size and weight limitations, designated highways, local access, the reasonable access rule, staging areas, and access zones.

Unit 5.2—Cargo and weight considerations. This unit must address the importance of proper cargo documentation, loading, securing and unloading cargo, weight distribution, load sequencing and trailer placement. Emphasis must be placed on the importance of axle weight distribution, as well as on trailer placement and its effect on vehicle handling.

[69 FR 16736, Mar. 30, 2004; 78 FR 58479, Sept. 24, 2013]

PART 391 — QUALIFICATIONS OF DRIVERS AND LONGER COMBINATION VEHICLE (LCV) DRIVER INSTRUCTORS

§391.55 LCV Driver-instructor qualification files.

(a) Each motor carrier must maintain a qualification file for each LCV driver instructor it employs or uses. The LCV driver-instructor qualification file may be combined with his/her personnel file.

(b) The LCV driver-instructor qualification file must include the information in paragraphs (b)(1) and (b)(2) of this section for a skills instructor or the information in paragraph (b)(1) of this section for a classroom instructor, as follows:

(1) Evidence that the instructor has met the requirements of 49 CFR 380.301 or 380.303;

(2) A photographic copy of the individual's currently valid CDL with the appropriate endorsements.

[69 FR 16721, March 30, 2004; 69 FR 28846, May 19, 2004]

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Vehicle Sizes and Weights Chart

VEHICLE SIZES & WEIGHTS — MAXIMUM LIMITS — DECEMBER 1, 2013

DES. = Interstates and federally designated state highways
 OTHER = All other state highways and supplemental routes

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	LENGTH (FEET)										HEIGHT (FEET)	WIDTH (INCHES)			WEIGHT (1,000 POUNDS)						
	INTERSTATE AND DESIG. HWYS. (DES.)					STATE AND SUPP. HWYS. (OTHER)						DES.	OTHER	INTER-STATE	OTHER	SINGLE AXLE WEIGHT		TANDEM AXLE WEIGHT		GROSS VEHICLE/COMBO WEIGHT	
	STRAIGHT TRUCKS	COMBINATIONS †		TRAILING UNITS ‡		STRAIGHT TRUCKS	COMBINATIONS †		TRAILING UNITS ‡							INTER-STATE	OTHER	INTER-STATE	OTHER	INTER-STATE	OTHER
ALABAMA*	40	0	0	0	57 ^{XX}	28 ^{6"}	40	0	53	28 ^{6"}	13 ^{6"}	102	BB	20	20	34	40	80	84		
ALASKA*	45	0	75	53	53	53	45	75	53	53	15	102	102	20	20	38	38	38	K		
ARIZONA*	40	0	0	0	57 ^{6"}	28 ^{6"}	40	65	65	28 ^{6"}	KK	102	96	20	20	34	34	80	80		
ARKANSAS	40	0	65	53.5	28 ^{6"} 0	40	0	65	53.5	28 ^{6"} 0	13 ^{6"}	102	102	20	20	34	34	80	80		
CALIFORNIA	40	B	B	B	B	40	B	B	B	B	14	102	102	20	20	34	34	80	80		
COLORADO*	45	0	0	0	57.33 ^D	28 ^{6"} D	45	0	57.33 ^D	28 ^{6"} D	YY	102	102	20	20	36	40	80	85		
CONNECTICUT*	45	0	0	0	48 ^L	28	45	0	48 ^L	28	13 ^{6"}	102.36	102.36	22.4	22.4	36 ^W	36 ^W	80	80		
DELAWARE*	40	0	0	0	53	28	40	60	60	NS	13 ^{6"}	102	102	20	20	34	40	80	80		
DISTRICT OF COLUMBIA	40	0	0	0	48 ^{**}	28	40	55	A	NS	13 ^{6"}	102	96	22	22	38	38	80	80		
FLORIDA*	40	0	0	0	53 ⁻	28	40	0	A	53 ⁻	13 ^{6"}	102	102	22	22	44	44	80	80		
GEORGIA*	NS	0	0	0	53	28	NS	100 ^{MM}	53	28	13 ^{6"}	102	96	P	P	Q	40.68	80	80		
HAWAII	45	NS	NS	NS	48	NS	45	65	65	48	14	108	108	22.5	22.5	34	34	80	88		
IDAHO	45	75 [†]	0	53	68 [†]	45	75 [†]	75	48	61 ⁶⁶	14	102	102	20	20	34	34	80	105.5 ^M		
ILLINOIS*	42	NS	G	53 ⁶	28 ^{6"}	42	60	53 ⁶	60	53 ⁶	13 ^{6"}	102	102	20	20	34	34	80	80		
INDIANA*	40	0	0	0	53 ^{HH}	28 ^{6"}	40	0	0	53 ^{HH}	13 ^{6"}	102	102	20	20	34	34	80	80		
IOWA	41	0	0	0	53	28 ^{6"}	40	0	0	53	13 ^{6"}	102	102	20	20	34	34	80	80		
KANSAS*	45	0	0	0	59 ^{6"}	28 ^{6"}	45	0	59.5	28 ^{6"}	14	102	102	20	20	34	34	80	85.5		
KENTUCKY	45	0	0	0	53	28	45	65	A	NS	13 ^{6"}	102	96	20	20	34	34	80	J		
LOUISIANA	45	0	0	0	59 ^{6"}	30	45	65	A	NS	14 [†]	102	102	20	22	34	37	80	88		
MAINE*	45	0	0	0	53 ^{V, SS}	28 ^{6"}	45	65	X	53	13 ^{6"}	102	102	R	22.4	34	38	80	80		
MARYLAND*	40	0	0	0	53 ^{-V, WW}	28	40	0	A	48	13 ^{6"}	102	102 ^{WW}	20 [†]	20 [†]	34	34	80	80		
MASSACHUSETTS	40	0	0	0	53	28	40	0	0	53	13 ^{6"}	102	102	22.4	22.4	34	34	80	80		
MICHIGAN	40	0	58	53 [†]	28 ^{6"}	40	0	59	NS	28 ^{6"}	13 ^{6"}	102	96	JJ	JJ	JJ	JJ	JJ	JJ		
MINNESOTA*	45	0	0	0	53 ^{EE}	28 ^{6"}	45	75	E	53 ^{EE}	13 ^{6"}	102	102	20	18	34	34	80	80		
MISSISSIPPI	45	0	0	0	53	30	40	0	0	53	13 ^{6"}	102	102	20	20	34	34	80	80		
MISSOURI*	45	0	0	0	53	28	45	60	65	NS	KK	102	102	20	22	34	36	80	80		
MONTANA	55	0	0	0	53	28 ^{6"}	55	0	0	53	14	102	102	20	20	34	34	123	123		
NEBRASKA*	40	0	0	0	53	65 ^V	40	0	0	53	14 ^{6"}	102	102	20	20	34	34	80	95		
NEVADA	40	0	0	0	53	28 ^{6"}	40	0	0	53	14	102	102	20	20	34	34	80	80		
NEW HAMPSHIRE*	45	NS	NS	53 ⁻	28	45	NS	NS	NS	48	13 ^{6"}	102	102	22.4 ^Z	22.4 ^Z	34	36	80	80		
NEW JERSEY	40	0	0	0	57 ^{6"}	28 ^{6"}	40	65	65	NS	13 ^{6"}	102	96 ⁶⁰	22.4	22.4	34	34	80	80		
NEW MEXICO*	40	0	0	0	53 ^{PP}	28 ^{6"}	40	65	65	NS	14	102	102	21.6	21.6	34.32	34.32	80	86.4		
NEW YORK*	40	0	0	0	53 ^{ZZ}	28 ^{6"}	40	65	65	48	13 ^{6"}	102	102	20 [†]	22.4	36	36	80	80		
NORTH CAROLINA	40	0	0	0	53 ⁻	28	40	0 ^{ZZ}	A	53 ^{ZZ}	13 ^{6"}	102	102	20	20	38	38	80	80		
NORTH DAKOTA	50	0	0	0	75 ^U	53	50	75 ^U	75 ^U	53	14	102	102	20	20	34	34	80	105.5		
OHIO	40	0	0	0	53	28 ^{6"}	40	0	0	53	13 ^{6"}	102	102	20	20	34	34	80	80		
OKLAHOMA*	45	0	0	0	59 ^{6"}	53	45	0	0	53	13 ^{6"}	102	102	20	20	34	34	80	90		
OREGON*	40	0	0	0	53	NS	40	N	N	N	14	102	102	20	20	34	34	105.5	105.5		
PENNSYLVANIA*	40	0	0	0	53 ^{FF}	28 ^{6"}	40	0	A	53 ^{FF}	13 ^{6"}	102 ^{NN}	96 ^{NN}	22.4 ^Z	22.4 ^Z	36 ^Z	36 ^Z	80	80		
RHODE ISLAND	40	0	0	0	53 ⁻	28 ^{6"}	40	0	0	48.5	13 ^{6"}	102	102	22.4	22.4	36	36	80	80		
SOUTH CAROLINA*	40	0	0	0	53 ⁻	28 ^{6"}	40	0	A	48	13 ^{6"}	102	102	20	22	35.2 ^E	39.6	80	80		
SOUTH DAKOTA	45	0	0	0	53	S	45	0	0	53	14	102	102	20	20	34	34	80	K		
TENNESSEE*	40	0	0	0	53 ^F	28 ^{6"}	40	0	A	53 ^F	13 ^{6"}	102	102	20	20	34	34	80	80		
TEXAS*	45	0	0	0	59	28 ^{6"}	45	0	0	59	14	102	102	20	20	34	34	80	80		

VEHICLE SIZES & WEIGHTS MANUAL

	LENGTH (FEET)				STATE AND SUPP. HWYS. (OTHER)				HEIGHT (FEET)		WIDTH (INCHES)		WEIGHT (1,000 POUNDS)							
	INTERSTATE AND DESIG. HWYS. (DES.)				COMBINATIONS †				STRAIGHT TRUCKS		COMBINATIONS †		TRAILING UNITS ‡		SINGLE AXLE WEIGHT		TANDEM AXLE WEIGHT		GROSS VEHICLE/COMBO WEIGHT	
	STRAIGHT TRUCKS	TRAILING UNITS ‡	TRAILOR TRAILER	SEMI-TRAILER	TRACTOR SEMI-TRAILER	TRACTOR TWIN-TRAILERS	TRACTOR SEMI-TRAILER	TRACTOR TWIN-TRAILERS	SEMI-TRAILER	TRAILOR TRAILER	TRACTOR SEMI-TRAILER	TRACTOR TWIN-TRAILERS	SEMI-TRAILER	TRAILOR TRAILER	DES.	OTHER	INTER-STATE	OTHER	INTER-STATE	OTHER
UTAH	45	0	0	53	61 ^Y	45	0	48 ^{UU}	61 ^Y	14	102	102	20	20	34	34	34	80	80	
VERMONT	46	0	0	53 ^{OO}	28	46	75 ^{AA}	A	53 ^{OO}	A	13 ^E	102	20	22.4	34	34	34	80	80	
VIRGINIA*	40	0	0	53 ^{FF}	28 ⁶	40	65 ^{FF}	A	53 ^{FF}	A	13 ^E	102	20	20	34	34	34	80	80	
WASHINGTON*	40	0	0	53	61 ^Y	40	0	48	60 ^Y	14	102	102	20	20	34	34	34	105.5	105.5	
WEST VIRGINIA*	40	0	0	53 ^C	28	40	70	A	48 ⁸	A	13 ^E	102	20	20	34	34	34	80	80 ^{DD}	
WISCONSIN*	45	0	0	53 ^{RR}	28 ⁶	45	75	A	48 ^{8S}	A	13 ^E	102	20	20	34	34	34	80	80	
WYOMING	60	0	TT	60	TT	60	0	TT	60	TT	14	102	20	20	36	36	36	117	117	

NOTE : No state shall prohibit the use of trailers or semitrailers of such dimensions as those that were in actual or lawful use in such state on Dec. 1, 1962. Neither shall any state prohibit the use of existing trailers or semitrailers of up to 28'6" in length in a truck tractor-semitrailer-trailer combination if those trailers and semitrailers were actually and lawfully operating on Dec. 1, 1962, within a 65' length limit in any state.

TOLERANCES - 10% weight tolerance on other roads.
 ALABAMA - 10% weight tolerance on other roads.
 DISTRICT OF COLUMBIA - 1,000 lb. tolerance on GVW.
 HAWAII - 5% weight tolerance on state and supplemental routes only.
 MARYLAND - 1,000 lb. tolerance on GVW.
 MISSISSIPPI - None on federal highways, 5% on tandem and 2% on gross on selected other highways.
 MISSOURI - If on hwy, other than Interstate, can exceed axle and gross wt. limitations up to 2,000 lb.
 MONTANA - Up to 5% (7% for livestock), \$10 trip permit fee charged.
 NEW HAMPSHIRE - 5% tolerance below 80,000 lb. on supp. hwy's only.
 PENNSYLVANIA - 5% on axle weight except when weighed on stationary scales on interstate highways.
 VERMONT - On other highways only - 10% on axles, 5% on gross.
 WEST VIRGINIA - 10% weight tolerance on state and supplemental highways.

† Only tractor-semitrailer and tractor-twin-trailer combinations are considered here. For other combinations, contact state agency.
 ‡ Semitrailer in tractor-semitrailer combination, and trailer in tractor-twin-trailer combination.
 § No overall length restrictions imposed, but must not exceed trailer length.

NS. Not specified (but must meet trailer length).
 A. Not allowed (allowed in some states by permit).
 B. On any hwy, tractor-semitrailer combo, 65' (distance between kingpin and rear-most semitrailer axle must be 40' or less; single axle semitrailer kingpin dimension is limited to 38').
 On federally designated hwy's., no overall combination length limitation or kingpin restriction if semitrailer is 48' or less. Or, semitrailer may be 53' if kingpin to centerline of rear-most axle for trils. with 2 or more axles is no longer than 40', single rear axle is limited to 38'.
 Twin-trailer combinations 65' on all hwy's. If either trailer exceeds 28'6"; 75' on non-designated hwy's. If neither trailer exceeds 28'6"; and unlimited length on federally designated system if neither trailer exceeds 28'6".
 See tinyurl.com/accessroutes and tinyurl.com/restrictedroutes for more details.

C. 53' trailers permitted if distance between last axle of tractor and first axle of semitrailer does not exceed 37'.
 D. Combinations with semitrailers or twin-trailers in excess of limits may not exceed 70'.
 E. If gross weight is more than 75,185 lb., legal tandem weight is 34,000 lb.
 F. The towed vehicle shall not exceed 50' in length from the point of attachment to the tractor. If the towed vehicle exceeds 48' in length from the point of attachment to the tractor, the distance between the kingpin and the rear-most axle or a point midway between the two rear axles, if the two rear axles are a tandem axle, shall not exceed 41'.
 G. Semitrailers on Class I and II hwy's. are limited to 45'6" max. kingpin to rear axle (42'6" on Class III and other hwy's.). Tractor-semitrailer-trailer combos have no limit on Class I hwy's, and a 65' front axle to rear axle on Class II hwy's. On Class III and other hwy's., max. tractor/semitrailer wheelbase is 55' or 65' overall length.

H. Combination of trailers can be 68' including tongue.
 I. Semitrailers longer than 50' can operate on designated hwy's. only; are limited to 3 axles; and shall have a wheelbase of 37'6" to 40'6" (4.6') (measured from the kingpin coupling to the center of the axles or to center of tandem axle if equipped with 2 axles). 4-axle towboys up to 59' if the kingpin to rear axle does not exceed 55'.
 J. 80,000 lb. on class AAA hwy's.; 62,000 lb. on class AA hwy's.; and 44,000 lb. on class A hwy's.
 K. GVW is governed by Bridge Formula.
 L. If in excess of 48' - maximum distance from kingpin to center of rear-most axle not to exceed 41' if single, or the center of a group of rear axles, and must be equipped with a rear underdrive guard.
 M. Allowed with permit only.
 N. Tractor-semitrailer combo 60' for Group 1 hwy's.; 50' for groups 2 and 3 hwy's. Semitrailers not specified for group 1; 40' for group 2; and 35' for group 3. Tractor-twin-trailers 75' for group 1, 65' for group 2 and group 3. Trailers 40' for group 1, 35' for groups 2 and 3.

O. On interstate and designated hwy's., no semitrailer or trailer in a twin-trailer combo may exceed 40'; both trailing units together measured from the front of the 1st to the rear of the 2nd may not exceed 68'.
 28'6" if trailer was manufactured prior to December 2, 1982; 28' if trailer was manufactured after December 1, 1982.
 P. 18,000 lb. + 13% w/low pressure tires; 16,000 lb. + 13% w/high pressure, solid rubber, or cushion tires.
 Q. 34,000 lb. Exception: if vehicle is less than 55' long and gross weight is less than 73,280 lb., will allow 40,680 lb.
 R. Single axle 22,000 lb. if GVW is less than 73,280 lb.; and 20,000 lb. if GVW is more than 73,280 lb. but less than 80,000 lb.
 S. 28'6" on each trailer unit operating in a road tractor-trailer-trailer combination; if the towbars do not exceed 19' and the overall length of the trailer-trailer unit including towbars does not exceed 80'. The maximum length of semitrailer-semitrailer or semitrailer-trailer combination, excluding the length of the truck-tractor, is 81'6" provided the maximum length of either unit does not exceed 48'; if the towbar length exceeds 19', the towbar shall be legged during day light hours and lighted at night. The weight of the second unit may not exceed the weight of the first unit by more than 3,000 lb.
 T. Unless otherwise noted.
 U. 2, 3, and 4-unit combos., 110' on 4-lane divided hwy's; 95' on most state hwy's.

V. "Wide Right Turn" sign also required.
 W. If axes of tandem are less than 6' apart.
 X. 28'6" semitrailer and 28'6" straight trlr. only allowed on certain roads.
 Y. As measured from front of 1st trailing unit to rear of second.
 Z. When GVW is 73,280 lb. or less, single axle may not exceed 22,400 lb., and tandem; 36,000 lb.; if GVW exceeds 73,280 lb., single axle may not exceed 20,000 lb., and tandem 34,000 lb.

AA. On portion of USRT4, a no-fee permit may be required if 68-72 ft.; if greater than 72 ft., single trip permit required. Call VT Transport.

BB. 96" on lane widths less than 12', otherwise 102".
 CC. Only allowed on N.J. Double-Trailer Truck Network.
 DD. 65,000 lb. on county routes.
 EE. Kingpin to center of rear axle cannot exceed 43'.
 FF. Provided distance between kingpin and center of rear-most axle group is 41' or less, or a point midway between rear tandem axles.
 GG. Combination of trailers can be 61' including tongue, or 75' overall.
 HH. Kingpin to rear-most axle cannot exceed 43'; if the semitrailer is longer than 48'6".
 II. If GVW is below 71,000 lb., single axle weight may be 22,400 lb., tandem axle weight may be 36,000 lb.

JJ. Variable, contact the Michigan Department of Transportation.
 KK. 14' at interstate and designated system only, otherwise 13'6".
 LL. Semitrailers measuring greater than 48' and less than or equal to 53' are allowed to travel on Interstates and CT routes numbered 1 - 399 inclusive, 450, 476, 508, 693, and 695. These semitrailers are also allowed to travel 1 mile off of these routes for food, fuel and terminal access provided the distance is no more than 43' between the kingpin and the center of the rear-most axle with wheels in contact with the road surface.

MM. 100' unless limited & will then be posted.
 NN. 102' permitted on all roads for trucks; combos allowed 102" on interstate or designated highways, but only 96" on all other roads. See <http://tinyurl.com/PA102routes> for more details.
 OO. Maximum distance from kingpin to center of rear-most axle not to exceed 41' and must be equipped with rear underdrive guard.
 PP. Distance from kingpin to center of rear axle is limited to 43' maximum and must be equipped with a rear underdrive guard. Not allowed in New York City.

QQ. 102' allowed on NJ 102-Inch Truck Network.
 RR. Kingpin to rear axle cannot exceed 43'.
 SS. 53' allowed if kingpin to rear axle does not exceed 43'.
 TT. In a double-trailer combo, the semitrailer cannot exceed 48' and the second trailer or semitrailer cannot exceed 40'. Combined length of trailers cannot exceed 81'.
 UU. No overall limit if trailer is 48' or less. 53' trailers allowed within 1 mile of design routes.
 VV. If greater than 53'6", kingpin to rear axle or center of rear axles cannot exceed 41'.
 WWW. Applies on I-895, the Harbor Tunnel Thruway. On US1/Conowingo Dam Trailers 102" wide/53' long not allowed.
 XX. If greater than 53'6", kingpin to rear axle limited to 41'.
 YY. 14'6" on designated hwy's. otherwise 13'.
 ZZ. 53' trailer on primary hwy. routes only; see www.nccdot.gov/travel/staterouting/

1. If more than 73,000 lb. RGWV; 22,400 lb allowed if 73,000 lb RGWV or less.
 * States allowing 400 lb. weight allowance for idle reduction technology; CO, CT, MO, MN, NH, TN & WA allow 550 lb.
 ** 53-ft allowed with permit.

VEHICLE SIZES & WEIGHTS MANUAL

CANADIAN VEHICLE SIZES & WEIGHTS — MAXIMUM LIMITS — DECEMBER 1, 2013

PROVINCE	LENGTH (m)				(m) WIDTH	(m) HEIGHT	Single Axle Weight (kg)	Tandem Axle Weight (kg)	Maxi- mum Gross Weight (kg)	REMARKS
	Single Truck	Semi- trailers	Tractor and Semi- trailer	Doubles						
ALBERTA	12.5	16.2	23	25 (1)	2.6	4.15	9,100	17,000 (5)	39,500 (9)	(1) By policy, 26 m. (2) 23.5 m with tridem drive tractor.
BRITISH COLUMBIA	12.5	16.2	23 (2)	26	2.6	4.15	9,100	17,000	39,500 (9)	(3) 25 m if used to transport poles, pipe, or material that cannot be dismembered.
MANITOBA	12.5	16.2	23	25	2.6	4.15	9,100	17,000	39,500 (6),(9)	(4) C-trains, 23.0 m. (5) 13,600 kg with fewer than 8 tires.
NEW BRUNSWICK	12.5	16.2	23	25	2.6	4.15	9,100	18,000	41,500 (10)	(6) RTAC weights listed. Weights on non-RTAC routes may be lower.
NEWFOUNDLAND/ LABRADOR	12.5	16.2	23	25	2.6	4.15	9,100	18,000	41,500 (10)	(7) 1.2 < 1.8 m or 1.8 m or more with single tires, 18,000 kg; 1.8 m or more with dual tires, 19,100 kg.
NORTHWEST TERRITORIES	12.5	NS	25	25	3.2	4.2	9,100	17,000	39,500 (10)	(8) Axle spread 1.2 to < 1.6 m, 17,900 kg; Axle spread 1.6 to < 1.8 m, 18,300 kg.
NOVA SCOTIA	12.5	14.65	23 (3)	25	2.6	4.15	9,100	18,000	41,500 (10)	(9) Applies to 5-axle tractor-semtrailers. A-train, 53,500 kg; 8-axle B-train, 63,500 kg; 8-axle C-train, 60,500 kg.
ONTARIO	12.5	16.2	23 (2)	25 (4)	2.6	4.15	10,000	19,100 (7)	44,100 (11), (12)	(10) Applies to 5-axle tractor-semtrailers. 8-axle A-train, 53,500 kg; 8-axle B-train, 63,500 kg; 8-axle C-train 58,500 kg. (11) Gross weight may vary; refer to Ont. Reg. 413/05.
PRINCE EDWARD ISLAND	12.5	16.2	23	23	2.6	4.15	9,100	18,000	41,500 (10)	(12) Applies to 5-axle tractor-semtrailers. A-train 53,500 kg; 8-axle B-train 63,500 kg; 8-axle C-train, 58,500 kg (must have appropriate spacing).
QUEBEC	12.5	16.2	23	25	2.6	4.15	10,000	18,000	41,500 (10)	
SASKATCHEWAN	12.5	16.2	23 (2)	26	2.6	4.15	9,100	17,000	40,000 (13)	(13) Applies to 5-axle tractor-semtrailers. A-train 53,500 kg; 8-axle B-train, 62,500 kg; 8-axle C-train, 60,500 kg. 63,500 kg B-trains allowed only on SK B-train hwy's.
YUKON TERRITORY	12.5	16.2	23	25	2.6	4.2	10,000	19,100 (8)	43,700 (9)	

VEHICLE SIZES & WEIGHTS MANUAL

State Kingpin to Rear Axle Allowances

States may not limit the length of a semitrailer to less than 48 feet and a state may not limit the overall length of a tractor-semitrailer combination. Most states will allow 53-foot trailers on all highways. However, several states have adopted kingpin to rear axle (KPRA) allowances as a condition of operating trailers exceeding 48 feet in the states.

The following apply to all highways within a state unless otherwise specified:

State	Kingpin to Rear Axle Limit
Alabama	41 ft to the rearmost axle or a point midway between the two rear axles (only applies to semitrailers greater than 53 ft 6 in).
California	40 ft to rearmost axle if semitrailer has two or more axles; 38 ft to rear axle if semitrailer has one axle and does not extend forward of the rear of the cab.
Connecticut	43 ft between kingpin and center of rearmost axle with wheels in contact with the road surface - allowed on U.S. and CT Routes 1 to 399, 450, 476, 508, 693, and 695, and Interstates and designated routes only.
Florida	41 ft between kingpin and the center of the rear axle or rear group of axles on all roads except roads on the State Highway System that are restricted by the DOT or roads restricted by local authorities.
Illinois	On Class I and II highways, 45 ft 6 in. to the center of the rear axle (applies to trailers greater than 48 ft). On Class III and other non-designated state highways, 42 ft 6 in. to the center of the rear axle.
Indiana	43 ft to the rearmost axle of the semitrailer (only applies to semitrailers longer than 48 ft 6 in.).
Maine	43 ft to the center of the rearmost axle (overall length not to exceed 74 ft on non-National Network highways).
Maryland	41 ft to the center of the rear tandem axles - allowed on Interstates and designated routes only.
Michigan	37.5 to 40.5 ft (± 0.5 ft) to the center of the rear axle or the center of the rear axle assembly - allowed on Interstates and designated highways only (applies to semitrailers longer than 50 ft). Tractor and lowboy semitrailer combinations have no overall length if lowboy does not exceed 59 ft, the kingpin to rear axle does not exceed 55 ft, and there are no more than 4 axles on the lowboy.
Minnesota	43 ft to the centerline of the rear axle group.
New Hampshire	41 ft to the centerline of the rear axle or the midpoint of a tandem axle of the semitrailer - allowed on Interstates and designated highways only.
New Jersey	41 ft to the centerline of the rear axle or rear axle group - allowed on Interstates and designated highways only.
New York	43 ft to the centerline of the rear axle - allowed on Interstates and designated highways only. In New York City, trailers over 48 ft up to 53 ft only allowed on I-95 between I-287 and I-295, on I-295 between I-295 and I-495, and on I-495 between I-95 and the Nassau-Queens county line; kingpin to center of rear axle or rear axle group limited to 43 ft.
North Carolina	41 ft to the rearmost axle or a point midway between the two rear axles - allowed on Interstates and designated highways only.
Pennsylvania	41 ft to the center line of the rear axle or rear axle group.

VEHICLE SIZES & WEIGHTS MANUAL

State	Kingpin to Rear Axle Limit
Rhode Island	41 ft to the center of the rear axle - allowed on Interstates and designated highways only.
South Carolina	41 ft to the center of the rear axle assembly or to the center of the tandem axle assembly.
Tennessee	41 ft to the rearmost axle or a point midway between the two rear axles.
Vermont	41 ft to the center of the rearmost axle.
Virginia	41 ft to the rearmost axle or a point midway between the rear tandem axles.
West Virginia	37 ft from the rear axle of the truck-tractor and the front axle of the semitrailer - allowed on Interstates and designated highways only.
Wisconsin	43 ft to the center of the rearmost axle or a point midway between tandem axles - allowed on Interstates and designated highways and certain state trunk highways only.

VEHICLE SIZES & WEIGHTS MANUAL

Reserved

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Alabama must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Width:	102 in	96 in. on lane widths less than 12 ft, otherwise 102 in
Height:	13 ft 6 in	13 ft 6 in
Length:		
Straight Trucks or Buses	40 ft	40 ft
Straight truck and full trailer	57 ft	57 ft
Tractor-semitrailer combinations	No limit	No limit except auto-transporters and livestock haulers
Tractor-twin-trailer combination	No limit with 28½ ft trailers	No limit with 28½ ft trailers*
Semitrailer	57 ft*	53 ft
Trailers of twin-trailer combinations	28½ ft	28½ ft
Auto-transporter combination	65 ft (3-ft front, 4-ft rear overhang)	65 ft (3-ft front, 4-ft rear overhang)
Stinger-steered	75 ft (3-ft front, 4-ft rear overhang)	75 ft (3-ft front, 4-ft rear overhang)
Special limitations or restrictions	*Semitrailers over 53 ft 6 in. may be operated if distance between kingpin and rear most axle (or midpoint between rearmost tandem axles) is no more than 41 ft.	*Combination is allowed on all 4-lane U.S. routes and some 2-lane U.S. routes.
Overhang Limitations	No vehicle may carry a load extending more than a total of 5 ft beyond both the front and rear, inclusive, of the vehicle.	
Weight: *		
Single axle	20,000 lb	20,000 lb
Tandem axle	34,000 lb	40,000 lb
Tridem axle	42,000 lb	42,000 lb
Steering axle	20,000 lb	20,000 lb
Gross vehicle weight	80,000 lb	80,000 lb (with 5 axles) 84,000 lb (with 6 or more axles)

VEHICLE SIZES & WEIGHTS MANUAL

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Tolerances	N/S	10%

*Up to an additional 400 lb total on gross, axle, tandem, or bridge formula weight is allowed for vehicles using an auxiliary power or idle reduction technology unit to reduce fuel use and emissions. To be eligible for this exception, the operator must provide written proof or certification of the unit's weight and demonstrate that the unit is fully functional at all times.

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

No permit will be issued for transporting a load that can be readily dismantled or separated. Bulldozers and similar construction equipment are not considered to be readily separable.

An application for a single oversize or overweight trip permit may be made by telephone, online, or in person.

Vehicles or combinations of vehicles and loads using single trip permits are allowed five days to complete one round trip. Time extensions will not be granted unless the trip is interrupted by acts of nature such as floods, snow, ice, storms, etc.

Annual oversize or overweight permits must be applied for in writing and paid for in advance.

The original copy of each permit must be carried in the vehicle to which it pertains.

Agricultural vehicles that are oversize and/or overweight are exempt from the permit requirements.

SASHTO regional permits

The Southeast Association of State Highway and Transportation Officials (SASHTO) is a group of states that allows a carrier to obtain a single permit to cover all states, rather than apply for separate permits in each state. The SASHTO member states are Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, Missouri, North Carolina, Ohio, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.

The permit will only be issued for an "envelope" vehicle, transporting a non-divisible load, and whose dimensions cannot exceed the following:

Length:	100 ft overall
Height:	14 ft
Width:	14 ft
Weight:	120,000 lb GVW 20,000 lb Single Axle 40,000 lb Tandem Axle 60,000 lb 3 or more Axles

The permit is only available through select permit services, is only valid for a single one-way trip, and is valid for no more than 10 days, or less than five days. Carriers will be informed of applicable restrictions when the permit is issued.

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(b) Fees

Permit Type	Fee
Single Trip Permits	
Mobile homes, modular homes, sectional houses, and portable buildings up to 12 ft wide and/or 75 ft long	\$10.00
Mobile homes, modular homes, sectional houses, and portable buildings exceeding 12 ft wide and/or 75 ft long	\$20.00
Boats exceeding 12 ft in width	\$20.00
Heavy commodities or equipment:	
- From 80,001 lb up to 100,000 lb	\$10.00
- From 100,001 lb up to 125,000 lb	\$30.00
- From 125,001 lb up to 150,000 lb	\$60.00
- From 150,001 lb and over	\$100.00
Houses	\$20.00
Off-the-road equipment	\$10.00
Other oversized vehicles, loads, and equipment	\$20.00
Other overheight loads	\$10.00
Annual Permits	
Modular homes, sectional houses, portable buildings, boats, and any vehicle or combination of vehicles*	\$100.00
Heavy commodities or equipment, overweight, overlength, overheight, and overwidth**	\$100.00
Mobile homes up to an including 14 ft wide and 85 ft long, including towing vehicle	\$100.00

*Vehicles or combinations having trailers with sidewalls or a roof which has transported such loads may, after depositing the load, return unloaded to its point or origin, even though the unloaded vehicle exceeds the 55-ft limitation, up to and including 12 ft wide and 75 ft long.

**A tractor and trailer (low-boy type) may after depositing a load, return to its point or origin, even though the unloaded tractor and trailer may exceed the 55-ft limitation, up to an including 12 ft wide and 75 ft long.

Payment for permits may be by company checks, cash, money order, and by certified or cashier's check. Personal checks will not be accepted.

(c) Insurance Requirements

A permit to operate a vehicle which exceeds the statutory oversize or overweight limits will be issued only on payment of an indemnity bond or proof of insurance protection for \$300,000; the bond or insurance protection conditioned for payment to the highway department to be held in trust for the benefit of the owners of bridges and appurtenances thereof, traffic signals, signs, or other highway structures damaged by a vehicle operating under authority of an overheight permit. The liability under the bond or insurance certificate shall be contingent upon proof of negligence or fault on the part of the permittee, his/her agents, or operators.

(d) Permitted Vehicle Limitations

Any limitations specified on the permit must be followed. No combination may consist of more than two vehicles.

A single trip permit may be issued to any vehicle.

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(e) Sign Requirements

OVERSIZE LOAD signs must measure seven feet wide by 18 inches high. The lettering must be 10 inches high and 1⁵/₈ inches wide, and must be black on a yellow or orange background.

All overlength and overwidth movements must display OVERSIZE LOAD signs.

(f) Flags and Lighting Requirements

Flags

Red warning flags must measure 18 inches square and must be posted at all four corners of the vehicle.

All overwidth movements must display warning flags.

A red flag at least 12 inches square must be displayed at the end of any load that extends more than four feet beyond the rear. A red light must be displayed at night.

Lights

If during hours of darkness, the load extends more than four feet beyond the rear, a red light must be displayed.

(g) Escort/Flagperson Requirements

Escorts are required as follows:

Load Conditions	Escort Requirements
Width exceeding 12 ft	Front and rear escorts
Height exceeding 15 ft	Front escort but depending on the route, escorts may be required for lesser heights
Length of 76 ft to 105 ft, inclusive	One rear escort
Length exceeding 105 ft	Front and rear escorts
Rear overhang extending more than 5 feet beyond the rear of the vehicle	One rear escort

(h) Escort Car/Company Requirements

An escort vehicle must be a pickup truck or a passenger automobile, carry-all, or station wagon.

Escort car signs, flags, and lights

The escort vehicle should be equipped with a flashing or revolving amber light. An OVERSIZE LOAD sign must also be mounted on the front of a leading escort vehicle and on the rear of a following escort vehicle.

For signs mounted on escort vehicles, the height and length of the sign may be modified to fit the escort vehicle while maintaining the specified color scheme and letter size.

(i) Travel Restrictions

Travel is prohibited during conditions of snow, ice, or fog.

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All permitted vehicles or combinations of vehicles and loads must maintain 500-foot intervals between each vehicle load. When the normal flow of traffic becomes impeded, the vehicle or load must move off the traveled portion of the public road until the traffic congestion has been cleared.

All operators of permitted vehicles or combinations of vehicles and loads must comply with load limitations placed on any bridge or section of highway, whether the limit be established by site posting or written announcement accompanying the permit.

When routing is applicable, all permitted vehicles or combinations of vehicles and loads will not travel over any public road in the state other than one described or allowed in the permit. For single trip permits, the routing will be described on the permit. For annual permits, the permitted party is responsible for requesting advance routing when applicable. The described routing becomes a part of the annual permit and must be carried in the permitted vehicle along with the annual permit.

Holidays

All permitted vehicles or combinations of vehicles and loads may not travel between 30 minutes after sunset and 30 minutes before sunrise, or after noon on Saturday, or anytime during Sunday or during the following legal holidays:

- New Year's Day,
- July 4th,
- Labor Day,
- Thanksgiving Day, or
- Christmas Day.

(j) Manufactured Housing Permits

Annual permits are issued for manufactured housing/mobile home movements that do not exceed 85 feet in length, including the towing vehicle.

The mobile homes width limitation is 168 inches, provided that mobile homes whose width exceeds 144 inches requires advance route approval by the highway department.

When moving mobile homes, an additional lighting system is required when rear escorts are used. Two five-inch flashing amber lights must be mounted approximately six feet from ground level on the rear corners of the mobile home. Control of the lighting system must be from inside the tractor cab with a warning device to alert the driver in the event the lights malfunction.

(k) Annual, Extended, And/Or Other Permits

Under an annual permit, the following limits cannot be exceeded:

- Total width cannot exceed 120 inches and load width cannot exceed 144 inches;
- Height cannot exceed 14 feet;
- Total length cannot exceed 75 feet;
- Total gross weight of 150,000 pounds, provided that gross weights over 100,000 pounds require advance routing; and
- Single axle weight of 22,000 pounds.

(l) Sealed Containerized Cargo Permits

Alabama will issue annual permits for sealed containerized loads for a maximum of 8 feet 6 inches in width, 13 feet 6 inches in height, and 100,000 pounds gross vehicle weight.

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III. SUPER LOADS

Superloads are loads that are larger than the standard oversize load dimensions. Loads qualify as superloads if they exceed any one of the following dimensions: 16 feet wide, 16 feet high, 150 feet long or over 180,000 pounds. In order to receive a permit for a superload, obtain the following information before contacting the permit office:

- A letter of request detailing all information that would attempt to justify a permit, such as but not limited to reasons why the product could not be reduced or shipped by other modes of transportation such as rail or barge;
- An axle weight and spacing diagram for loads with weight;
- A certified scale ticket for loads with weight;
- A detailed drawing clearly showing all dimensions or a set of plans on the product;
- A detailed route survey for loads in excess of 16 feet wide or 16 feet high, locating all points of contact and means of avoiding such contact points;
- Front and rear police escort confirmation for loads in excess of 16 feet wide or high;
- Utility notification for loads over 17 feet high (this would include any applicable power companies, cable companies, telephone companies, and traffic signal agencies);
- Written notification to city and county engineers when traveling city or county roads; and
- Additional insurance requirements if over 150,000 pounds.

IV. AGENCY REFERENCES

(a) Regulatory Agency

Alabama Department of Transportation
Permit Section
1409 Coliseum Blvd.
Montgomery, AL 36130
Ph: (334) 834-1092

(b) Permit Agency

Same as above.

(c) Enforcement Agency

Alabama Department of Public Safety
Highway Patrol Division
Motor Carrier Safety Unit
1708 Cong. W. L. Dickinson Drive
Montgomery, AL 36109
Ph: (334) 242-4395

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Alaska must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Width:	102 in	102 in
Height:	15 ft except for 17 ft between the Fox Weight Station and Prudhoe Bay on the Dalton and Elliot Highways	15 ft
Length:		
Straight Trucks	45 ft	45 ft
Truck-trailer	75 ft	75 ft
Tractor-semitrailer combinations	No limit	75 ft
Tractor-twin-trailer combinations	75 ft	75 ft
Semitrailer	48 ft or 53 ft, depending on route	48 ft or 53 ft, depending on route
Trailers of twin-trailer combinations	48 ft	48 ft
Special limitations or restrictions	Overhangs limited to 3 ft beyond the front bumper and 4 ft beyond the rear of the vehicle.	
Weight:*		
Single axle	20,000 lb	20,000 lb
Tandem axle	38,000 lb	38,000 lb
Tridem axle	42,000 lb	42,000 lb
4-axle group	50,000 lb	50,000 lb
Load per inch width of tire	600 lb/in. tire width	600 lb/in. tire width
Gross vehicle weight	Federal Bridge Formula or axle sums	Federal Bridge Formula or axle sums

*Vehicles using an auxiliary power unit or an idle reduction technology unit may be allowed up to an additional 400 lb total in power unit axle weights, gross vehicle weights, or bridge formula weight limits. To be eligible for the additional weight, the vehicle operator must be able to provide written certification of the unit's weight and must demonstrate or certify that the unit is fully functional at all times.

Seasonal Weight Restrictions

Alaska's seasonal weight restrictions can be found at <http://www.dot.state.ak.us/mscve/main.cfm?go=weightrestrictions>.

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Lift axles or variable suspension axles are allowed on the driver axle group of the power vehicle but may not be used for calculation of legal allowable weight.

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Permits are issued to facilitate the movement of non-divisible loads, non-standard vehicles (such as mobile cranes, off-road construction equipment, or other road maintenance equipment), or vehicles with loads exceeding the legal size and weight limits in Alaska. Permits are allowed for certain specialized equipment designed to transport oversize/overweight loads, for the movement of an overdimensional trailer with or without load, or for extended periods to allow for the movement of empty or loaded overdimensional trailers.

Permits are not issued to increase a payload, create a competitive advantage, or circumvent Alaska's size and weight regulations. Permits are issued on the premise that the legal length and weight of the load described has been reduced to the smallest practical size. Permits will not be issued if weight can be reduced to legal limits by repositioning and/or practical removal of a part, portion, unit, or other appurtenance, so as to minimize the overweight condition.

Three types of permits are issued:

- Oversize, for vehicle or vehicle with a trailer and a load that exceeds legal dimension only;
- Overweight, for any vehicle or vehicle with a trailer and a load that does not exceed legal dimensions but does exceed legal axle weights; or
- Oversize/Overweight, for vehicle or vehicle with a trailer that exceeds legal dimensions and legal axle weights.

Permits may be applied for at myAlaska online at <https://my.alaska.gov/>.

Single trip permits are issued as a single move (origin to destination) and valid for a three-day period.

Multiple move permits are issued for the same load and same vehicle or vehicle with trailer traveling from the same origin to the same destination. The number of moves must be exact as there will not be a refund for any unused portion of the permit.

Permits may be modified prior to the permit's expiration date if no movement has taken place. A fee will apply.

All overwidth movements must be equipped with extended mirrors. In addition, overwidth movements must be loaded so that the overwidth portion is projecting on the passenger side of the vehicle whenever possible.

Permittees making overweight movements must conduct a route survey prior to travel. Permittees may be required to coordinate with utility companies for such movements. Certain non-removable crane or backhoe booms may require that a qualified crane or backhoe operator reposition the boom while moving under an overhead obstruction.

(b) Fees

Single moves

Permit Type	Fee
Oversize Only	
Basic processing charge	\$35.00
Surcharges when applicable:	
Overall width greater than 10 ft to 16 ft	\$20.00

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Single moves

Permit Type	Fee
Overall width greater than 16 ft	\$30.00
Overall height greater than 16 ft to 16 ft 6 in	\$20.00
Overall height greater than 16 ft 6 in	\$30.00
Overweight Only	
Basic processing charge	\$35.00
Surcharge if gross weight is 150,000 lb or more	\$20.00
Oversize AND Overweight	
Basic processing charge	\$60.00
Units of surcharge when applicable:	
Overall width greater than 10 ft to 16 ft	\$20.00
Overall width greater than 16 ft	\$30.00
Overall height greater than 16 ft to 16 ft 6 in	\$20.00
Overall height greater than 16 ft 6 in	\$30.00
Gross weight is 150,000 lb or more	\$20.00

Extended periods

Permit Type	Fee
Oversize OR Overweight	
30 days (1 month)	\$75.00
Over 1 month up to 3 months	\$200.00
Over 3 months up to 6 months	\$300.00
Over 6 months up to 9 months	\$450.00
Over 9 months up to 12 months	\$500.00
Oversize AND Overweight	
30 days (1 month)	\$150.00
Over 1 month up to 3 months	\$350.00
Over 3 months up to 6 months	\$550.00
Over 6 months up to 9 months	\$850.00
Over 9 months up to 12 months	\$1,000.00

Other permit fees

Other Fees	Fee
Permit replacement fee	\$25.00
Permit change	\$25.00
Permit canceled/voided	\$25.00
Engineering review and approval, per hour	\$75.00

The total permit fee charges for any permit shall be the sum of the oversize and overweight fees as stated above.

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(c) Insurance Requirements

The issuing agency may require the posting of a bond or evidence of insurance from the applicant to cover the cost of damages to the highway or other structures which may occur as the result of the movement of oversize or overweight vehicles.

(d) Permitted Vehicle Limitations

In general, the Department will not authorize movement **over an extended period** for any of the following vehicles:

- Vehicles or loads over 10 feet 6 inches wide;
- Vehicles or loads over 15 feet high;
- Vehicles or loads over 17 feet high operating between the Fox Weigh Station and Prudhoe Bay on the Dalton and Elliot Highways;
- Vehicles or loads that exceed 85 feet in length;
- Vehicles or loads with a rear overhang that exceeds 10 feet; or
- Vehicles or load that exceed 125% of legal weight.

Movements with overhangs

Overhang	Conditions
Front overhang exceeding 3 ft but not exceeding 10 ft (vehicle legal overall length)	<ul style="list-style-type: none">• Flag the overhang with a red or fluorescent orange flag a minimum of 16 in square; and• Slow moving vehicles (25 mph or less) are subject to the peak traffic restrictions;
Front overhang exceeding 10 ft	<ul style="list-style-type: none">• Flag the overhang with a red or fluorescent orange flag a minimum of 16 in square;• Display OVERSIZE or OVERSIZE LOAD signs and an amber high intensity rotating, flashing, oscillating, or strobe-type beacon which must be visible for a minimum of 500 ft;• A front pilot/escort vehicle may be required; and• Must obey peak traffic and holiday restrictions.
Rear overhang exceeding 4 ft but not exceeding 10 ft (vehicle legal overall length)	<ul style="list-style-type: none">• Flag the overhang with a red or fluorescent orange flag a minimum of 16 in square;• May travel daylight hours and hours of darkness; however, when traveling during hours of darkness an extended light bar or a rear pilot/escort vehicle is required; and• Slow moving vehicles (25 mph or less) are subject to peak traffic restrictions.
Rear overhang exceeding 10 ft	<ul style="list-style-type: none">• Flag the overhang with a red or fluorescent orange flag, a minimum of 16 in square;• Display OVERSIZE or OVERSIZE LOAD signs and an amber high intensity rotating, flashing, oscillating, or strobe-type beacon which must be visible for a minimum of 500 ft at the end of the load;• Must have either an extended light bar or a rear pilot/escort vehicle; and• Must obey peak traffic and holiday restrictions.

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Overhang	Conditions
Rear overhangs exceeding 20 ft	<ul style="list-style-type: none"> • Flag the overhang with a red flag a minimum of 16 in square; • Display OVERSIZE or OVERSIZE LOAD signs and an amber high intensity rotating, flashing, oscillating, or strobe-type beacon which must be visible for a minimum of 500 ft at the end of the load; • A rear pilot/escort vehicle is required; and • Must obey peak traffic and holiday restrictions.

(e) Sign Requirements

Acceptable signs must be kept clean and visible during the entire trip and must read as follows:

- OVERSIZE, OVERSIZE LOAD, or WIDE LOAD for overwidth vehicles/loads; or
- OVERSIZE, OVERSIZE LOAD, or LONG LONG for overlength vehicles/loads.

Signs must be at least four feet long and 12 inches high with black lettering on a yellow background outlined in black. Lettering must be at least 10 inches tall with a two-inch brush stroke.

Signs must be displayed as follows:

- On overwidth movements, signs must be affixed to the front of the transport vehicle or equipment and on the rear of the transport vehicle, equipment, or load;
- On overlength movements with a single vehicle exceeding 60 feet in length, a sign must be affixed to the rear; and
- On overheight movements, OVERSIZE or OVERSIZE LOAD signs must be displayed on the front and rear of the transport vehicle, roaded equipment, or load.

All overlength movements must display alternating red and white conspicuity tape placed along 50% of each side of the vehicle or the load.

(f) Flags and Lighting Requirements

Flags

Flags, when required, must be red or fluorescent orange and must measure least 16 inches square. The flags must be kept clean and clearly visible during the entire trip. Flags must be displayed as follows:

Permitted Load Conditions	Flag Requirements
12 ft and over in width but not exceeding 14 ft	Flags fixed on the widest point on each side or as stated on the permit
14 ft wide or more	Flags affixed on all four corners at the widest points

Lights

Lights, when required on the permitted vehicle, must be a beacon or light bar amber in color and of a high-intensity, rotating, flashing, oscillating, or strobe style. The beacon must be roof-mounted or mounted as close to the vehicle's roof line as possible. The beacon/strobe must be visible for at least 500 feet, through a full 360 degrees, and maintained for operability.

All overwidth movements must display lights.

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(g) Escort/Flagperson Requirements

Escort car requirements

Permittees must comply with the escort requirements referred to in the Permit Manual, available at http://www.dot.state.ak.us/mscve/webdocs/PermitsManual_rev_2009.pdf. Listed below are basic escort requirements:

- Provide the required number of escort vehicles specified on the face of the permit;
- Ensure all personnel are properly equipped and briefed as to their responsibilities prior to the movement;
- Ensure that escort vehicles, operators, and/or flagpersons employed carry out the provisions of the permit; and
- Ensure all escort vehicle operators are at least 18 years old for non-commercial vehicles, at least 19 years old for intrastate commercial vehicles, and at least 21 years old for interstate commercial vehicles and are a certified flagperson.

All permitted vehicles requiring an escort vehicle, except roaded construction equipment and other specialized vehicles, must be equipped with an operating CB radio. Company radios may also be used in addition to the CB radio for inter-vehicle communication. Convoyed off-road, self-propelled equipment does not require radios as front and rear escort vehicles are equipped with radios.

Escorts are required as follows:

Load Conditions	Escort Requirements
Vehicle or load over 10 ft 6 in. wide	At least one escort on all routes
Over 12 ft but not exceeding 14 ft wide	At least two escorts on all routes
Over 14 ft wide	At least three escorts, except on divided highways, when width does not exceed 16 ft, then must be accompanied by at least two escorts
Over 16 ft wide	Additional coordination and evaluation will be required
Over 17 ft in height	Preceded by an escort vehicle carrying an overheight pole mounted such that it is 12 in. higher than the highest point of the permitted vehicle or load (the escort vehicle is not required on routes or sections of routes where it has been previously determined in writing that there are no overhead utilities; overheight poles are not required north of the Fox Weigh Station).

Escort vehicles must precede the oversize vehicle or vehicle with load, unless otherwise stated on the face of the permit, when one escort vehicle is required.

Escort vehicles must precede **and** follow the oversize vehicle or vehicle with load when two escort vehicles are required.

Escort vehicles must remain on the roadway until the permitted load has cleared the roadway.

All oversize and/or overweight vehicles not in convoy must maintain a minimum distance of 800 to 1,500 feet from any other oversize vehicle(s) with load traveling with escort vehicles in the same direction on the same highway in rural areas. Front escort vehicles will travel ahead of the oversize vehicle or vehicle with load in rural areas as conditions dictate. Rear escort vehicles will travel behind the oversize vehicle or vehicle with

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load in rural areas as conditions dictate. In urban areas, the distance between the escort vehicle(s) and the oversize vehicle or vehicle with load must be reduced as local conditions dictate to provide maximum warning.

Escort vehicles must not pre-empt traffic in the opposing lane; opposing traffic is not to be stopped except in extreme situations.

Flagperson requirements

Flaggers and/or escort vehicle operators must:

- Complete state-approved and accepted training at <http://www.OnlineFlagger.com> or another certified provider prior to working in this capacity (a fee is involved for the online class);
- Provide verification of certification;
- Be at least 18 years of age and capable of carrying out flagging responsibilities in accordance with the Alaska State Traffic Manual regulations; and
- Wear a high-visibility or fluorescent orange jacket or vest and be equipped with a SLOW/STOP paddle (black letters with orange background or white letters on red background) and a red hand flag.

These items are to be utilized by the escort vehicle operator in the event that it becomes necessary to park the escort vehicle and stop or control highway traffic. At no time will the SLOW/STOP paddle and/or red flags be displayed out of the window of a moving vehicle. The retroreflective clothing must meet the requirements for flagging activities stated in the Manual of Uniform Traffic Control Devices available at <http://www.dot.state.ak.us/>.

(h) Escort Car/Company Requirements

Escort vehicles must:

- Be either a passenger vehicle or light truck not to exceed an unladen weight of 18,000 pounds (if the gross vehicle weight rating of the escort vehicle exceeds 10,000 pounds, the requirements of commercial vehicles apply to the operator of the escort vehicle);
- Carry commercial vehicle insurance;
- Not carry passengers;
- Not act as a tiller man for any load;
- Not carry a load that exceeds legal dimensions and/or weight or that obscures signage or lighting requirements; and
- Not tow another vehicle while being used as an escort vehicle.

Escort vehicles must be equipped with the following items when escorting an extra-legal vehicle or load:

- A 24-inch STOP/SLOW paddle sign;
- Three bi-directional emergency retroreflective triangles;
- One five-pound B,C fire extinguisher;
- A reflectorized orange vest, shirt, or jacket;
- A first aid kit; and
- A flashlight with a red cone and extra batteries.

All escort vehicles must have operable communications between each other and the power unit/transport vehicle; company radios are an acceptable form of such communication devices. Two-way radio communication is required between the transport vehicle and escort vehicle(s). Communications must be monitored at all times between the escort vehicle and the transport vehicle during the move, except in properly marked zones.

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If an escort is required to have a height pole, it must be rigid, except for the topmost section (three feet or more depending upon overall height) which should be made of a flexible type of material such that if an overhead structure or wire is encountered that the pole will not damage the overhead structure or hook or catch the wire.

Escort car signs, flags, and lights

The required escort vehicle(s) must be equipped with OVERSIZE, WIDE LOAD, or LONG LOAD signs and a roof mounted amber high-intensity rotating, flashing, oscillating, or strobe type beacon which must be visible for a minimum of 500 feet.

When an escort vehicle is required to lead the oversize vehicle or vehicle with load, the OVERSIZE, WIDE LOAD, or LONG LOAD sign must be placed on the front of the escort vehicle. When following the oversize vehicle or vehicle with load, the OVERSIZE, WIDE LOAD, or LONG LOAD sign will be placed on the rear of the escort vehicle.

(i) Travel Restrictions

Overwidth and overheight loads are subject to weekend and holiday restrictions and peak traffic restrictions as noted on the face of the permit.

Overwidth and overheight movements are restricted to hours of darkness conditions only, unless equipped with proper lighting and retroreflective tape or as specified in an approved "Lighting Plan Attachment" accompanying the permit.

Overwidth movements must use all pull-offs/turnouts so that other traffic is not delayed more than 10 minutes and/or more than five minutes in rural areas.

Urban area peak traffic restrictions

Permitted loads are not allowed to travel within these boundary areas during travel restrictions:

Urban Area	Traffic Restrictions
Anchorage	The area inside the boundaries described by the Glenn Weigh Stations on the north and the Potter Weigh Station on the south.
Eagle River	The area east of the Glenn Highway between the North and South Eagle River Exits.
Fairbanks	The area inside the boundaries described by the Ester Weigh Station on the south, the Parks Highway-Sheep Creek Road-Goldstream Road-Steese Highway connection on the west, the Fox Weigh Station on the north and the Badger Road Interchange on the east.
Juneau	The area inside the boundaries described by the intersection of Mendenhall Road and Egan Drive, Thane Road (MP 1.82) and Mt. Roberts Road on the southeast, the Douglas Highway on the southwest, the Auke Bay ferry terminal on the northwest, and the intersection of Mendenhall and Egan Road to Mendenhall (Back) Loop Road on the northeast.
Kenai/Soldotna	The area between Wildwood Drive on the Kenai Spur Highway, the junction of Kalifornsky Beach Road and Bridge Access Road, the Kenai River Bridge in Soldotna, and the junction of the Kenai Spur Highway and Sterling Highway.
Ketchikan	The area that is in the boundaries described by the intersection of the North Tongass Highway and Wolf Point (just north of Ketchikan Ready Mix) on the north and the south city limits at mile 1.5 of the South Tongass Highway.

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Urban Area	Traffic Restrictions
Palmer/Wasilla	The area inside the boundaries described by Palmer-Fishhook (Hatcher Pass) Road intersection with the Glenn Highway on the northeast, the Matanuska River on the east and southeast, Fairview Loop Road on the southwest, MP 45 of the Parks Highway on the west, and a line along the north from the northeast boundary to the west boundary with a midpoint at the Schrock Road and Lucille Street intersection.

Slow moving vehicles (25 miles per hour or less) are subject to peak traffic restrictions.

Overweight permits may specify speed reductions. Speed is determined by the percentage overweight.

Hours of darkness travel conditions

To travel during hours of darkness, the permitted vehicle or vehicle with load exceeding legal width, length, or overhangs must meet all the requirements specified in FMCSR 49 CFR Parts 383-399 and 571, 13 AAC 13 Chapters 3 and 4, and 17 AAC 25, as well as the conditions indicated on the permit.

Overwidth vehicles or vehicles with loads are subject to the following:

- Any vehicle exceeding legal width or any load which extends beyond three inches on either side of the vehicle must have clearance lights on each side at the widest point. The clearance lights on the overwidth vehicle shall be placed such that they are visible to approaching traffic (from front, rear, or side); and
- When width exceeds 10 feet 6 inches, two strips of white or alternating red and white retroreflective tape must be placed at least 24 inches above the ground at or near the widest point of the front and rear facing surfaces on each side. Each strip must be at least 12 inches in length with one strip placed as horizontally and the other placed as vertically as possible in order to clearly mark the corners; and
- When width exceeds 16 feet, additional strips of alternating red and white retroreflective tape must be placed horizontally and vertically on the front and rear facing surfaces covering not less than half of the width, and indicating the corners.

Overlength vehicles or vehicles with loads are subject to the following:

- Any semitrailer or trailer over 53 feet in length must have alternating red and white retroreflective tape on each side covering not less than half of its length and must be equipped with one turn signal on each side near the mid point (at least 20 feet from either end); and
- Any vehicle with a load over 70 feet in length must have at least one four-foot strip of alternating red and white retroreflective tape on each side of the vehicle or load at or near the midpoint OR must have amber clearance lights placed such that they are visible from each side spaced not more than 16 feet apart.

Any front overhang exceeding 10 feet in length must have an amber high-intensity rotating, flashing, oscillating, or strobe light at the extreme end of the overhang. Any rear overhang exceeding four feet in length must have an extended light bar mounted on the rear of the overhang such that it is between two feet and six feet above the roadway. The extended light bar must have tail lights, stoplights, and turn lights placed on the light bar such that the extreme lights are at least four feet apart. A side marker light on the sides of the light bar is also required.

Any overhang exceeding 25 feet in length must have an amber clearance light placed such that is visible from each side near the midpoint at least 10 feet from either end, and as close as practical to the road surface.

When specified, clearance lights must be amber in color, except when located at the rear most points along either side and on the rear, which must be red in color.

Retroreflective tape when specified must be conspicuity or retroreflective tape (grade DOT-C2) a minimum of two inches wide. Each red and white segment must be between six inches and 18 inches in length.

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Authorization to move during hours of darkness does not exempt the permittee from peak traffic, weekend, or holiday restrictions or any other restricted time period unless specifically noted on the permit.

In place of the above requirements, a separate lighting plan may be submitted for review.

Speed limits

The maximum speeds are as follows:

Permitted Load Conditions	Speed Limits
Mobile homes	Speed limit will be listed on the permit.
Over legal width but not exceeding 12 ft	Posted speed limit unless otherwise specified on the permit.
Over 12 ft but not exceeding 14 ft wide	45 mph on all routes unless otherwise noted on the permit
Over legal height up to 17 ft, during hours of darkness	45 mph unless other dimensional, weight, or equipment factors are more restrictive
Over 17 ft in height	45 mph unless other dimensional, weight, or equipment factors are more restrictive
Overload as a percentage of legal weight	<ul style="list-style-type: none">• Up to 125%, speed limit as posted• >125% to 140%, 45 mph• >140% to 150%, 35 mph• >150% to 175%, 30 mph• >200%, 25 mph

(j) Manufactured Housing Permits

Alaska does not have special requirements concerning manufactured housing movements.

(k) Annual, Extended, And/Or Other Permits

Alaska does not have special requirements concerning annual or extended permits.

(l) Sealed Containerized Cargo Permits

Alaska does not have special requirements concerning sealed containerized cargo movements.

III. SUPER LOADS

Super loads in Alaska are defined as any load that exceeds 16 feet in height, 18 feet in width, or 250,000 pounds.

Each load is considered for permitting on a case-by-case basis, based on size, type of product being transported, and route being considered.

VEHICLE SIZES & WEIGHTS MANUAL

IV. AGENCY REFERENCES

(a) Sizes and Weights

Regulatory agency

Department of Transportation & Public Facilities, Division of Measurement Standards and Commercial Vehicle Enforcement, Commercial Vehicle Customer Service Center
(907) 365-1200
www.dot.state.ak.us/mscve

Permit agency

Department of Transportation and Public Facilities, Division of Measurement Standards and Commercial Vehicle Enforcement
(907) 365-1200
(866) 478-7636 (within Alaska)
www.dot.state.ak.us/

Road Reports/Seasonal Weight Restrictions:

511.alaska.gov/ or www.dot.state.ak.us/mscve/main.cfm?go=weightrestrictions

Super loads

Alaska Division of Measurement Standards
(907) 365-1200 or (800) 478-7636 (within Alaska)
Hours: 8 a.m.-5 p.m. Alaskan Time
www.dot.state.ak.us/mscve/main.cfm?go=index

Enforcement agency

Same as Regulatory Agency above.

VEHICLE SIZES & WEIGHTS MANUAL

Reserved

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Arizona must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	All Highways
Width:	102 in (on Interstates and designated federal-aid highways; 96 in. on other highways)
Height:	13 ft 6 in (14 ft on interstate and designated system)
Length:	
Straight Trucks	40 ft
Truck-trailer	65 ft
Bus	45 ft
Articulated bus	60 ft
Tractor-semitrailer or Tractor-semitrailer-forklift combinations	No limit with legal trailers
Tractor-twin-trailer combination	No limit with legal trailers
Semitrailer	On the Interstate system, 57 ft 6 in. On other highways, 53 ft (or 65 ft overall length if semitrailer exceeds 53 ft)
Overhang	3-ft front, 6-ft rear overhang
Trailers of twin-trailer combinations	28 ft 6 in
Auto-transporter combinations; stinger- steered auto-transporters	75 ft
Overhang	3-ft front, 6-ft rear
Drawbar length	15 ft

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	All Highways
Weight: *	
Single axle	20,000 lb
Tandem axle	34,000 lb
Tridem axle	42,000 lb (with more than 8-ft spacing)
Steering axle	20,000 lb
Gross vehicle weight	80,000 lb on 5 axles or more, subject to the Federal Bridge Formula

Allowable weight is the weight listed above or manufacturer's weight rating, whichever is lower.

*The gross weight of a heavy-duty vehicle that is equipped with idle reduction technology and the gross weight imposed on the highway by the wheels of any one axle or axle group of the vehicle may exceed the weight limits by up to 400 lb or the weight of the idle reduction technology, whichever is less. The operator must provide written certification of the unit's weight and the fact that it is fully functional at all times.

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Operators of vehicles that exceed the legal size and weight limits must obtain a permit from the Arizona Department of Transportation prior to making any movement in the state; however, no permit is required for a pole or pipe up to 80 feet in length transported on a pole trailer. Poles cannot overhang more than six feet in the rear. There may be travel restrictions and/or marking requirements for such loads; check with the state for specific requirements.

Oversize and overweight special permits are issued for state highways. Permittees must apply separately with the applicable political subdivision or tribal nation for permission to operate on a county, municipal, or tribal route. Local permit information is available on the Arizona Central Permits Office website at <http://www.azdot.gov/mvd/MotorCarrierServices/commercial-permits/oversize-overweight-permits>.

A permit is not required if crossing a state highway at a level grade and no highway structures are involved.

Permits will not be issued for reducible oversize or overweight movements.

A permittee and a driver of an oversize or overweight vehicle permitted by the Department must comply with all federal motor carrier safety regulations incorporated by the Department under Arizona Administrative Code, Title 17, Chapter 5, Article 2, as applicable to a motor carrier operating in Arizona.

An integral component removed from a loaded primary object may be transported on the same vehicle bearing the primary object provided the component does not cause the hauling vehicle to exceed a size or weight permitted for the primary object.

Applicants may request permits online or by fax, mail, or in person (either at the central permits office or an Arizona port-of-entry). Envelope permit applications can be found online at www.azdot.gov and once completed they must be faxed, mailed, or delivered to the central permits office or an Arizona port-of-entry.

A permittee or driver must notify a responsible utility company of possible disturbance or damage if overhead utility lines extend across a proposed route and the permitted vehicle or load exceeds 16 feet in height or any route-specific height restriction provided in Arizona Regulation R17-6-412, available at http://www.azsos.gov/public_services/Register/2013/33/final.pdf.

A one-time single-trip special permit extension may be allowed for up to an additional four days if:

- The permittee needs to exchange a permitted vehicle for another due to mechanical failure; or
- Transport is delayed by inclement weather.

Permit extensions are allowed in certain situations, contact Arizona Central Commercial Permits.

VEHICLE SIZES & WEIGHTS MANUAL

In time of a statewide emergency or local emergency that affects public welfare or safety, Arizona may authorize transport of an oversize or overweight vehicle or load without a special permit for purposes of relief or repair. Authorization must be obtained by contacting the Arizona port-of-entry closest to the affected area.

Class C special permits may require an engineering analysis, traffic control plan, and/or an encroachment permit. An engineering analysis will be required if the vehicle or vehicle and load combination exceeds 250,000 pounds, exceeds the maximum permitted weight computations for overweight axle group weight distribution, or exceeds a bridge weight restriction.

Western Association of State Highway and Transportation Officials (WASHTO) Permits

Eleven western states: Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Oklahoma, Oregon, Texas, Utah, and Washington have joined together allowing carriers needing oversize/overweight permits for operation on the highways of the Regional Network. Although Louisiana is not a member of WASHTO, the state participates in the program. Each member jurisdiction may issue regional permits and collect fees allowing operations in the other members' jurisdictions. Certain requirements have to be met when applying for each permit.

Permits are issued only for an "envelope" vehicle of the following non-reducible maximum dimensions (minimum of 5-axle vehicle):

Length:	110 ft overall
Height:	14 ft
Width:	14 ft
Weight:	160,000 lb gross weight 21,500 lb single axle 43,000 lb tandem axle 53,000 lb per tridem (wheelbase more than 8 ft and less than 13 ft) 600 pounds per inch of tire width

The single trip permit will be valid for a period of five working days, for use by the permitted vehicle only (tractor and trailer).

More information is available from the member jurisdictions listed below.

Arizona	(623) 932-2257
Colorado	(303) 757-9539
Idaho	(208) 334-8000
Louisiana	(225) 377-7100
Montana	(406) 444-7262
Nevada	(775) 888-7410
New Mexico	(505) 476-2475
Oklahoma	(877) 425-2390
Oregon	(503) 373-0000
Texas	(512) 305-9501
Utah	(801) 965-4892
Washington	(360) 704-6340

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(b) Fees

Fees are as follows:

Permit Type	Fee
Class A Oversize and Overweight Special Permits	
Standard permit fee for weight not exceeding 80,000 pounds	\$15.00, single trip \$30, multiple trip
Overweight permit fee for weight less than 250,000 pounds but that exceeds legal thresholds	\$75, single trip or multiple trip
Class B (multiple trip; one year)	\$360.00
Class B, Type R (multiple permits; one year)	\$360.00 per year
Class C, Oversize and Overweight Special Permits - Specified Non-reducible Vehicle, Load, or Combination Over Class A Limits	
Oversize only	\$15.00*
Overweight only	\$75.00*
Oversize and overweight	\$75.00*
* In addition to the standard permit fees above, the Department will also collect the following Class C review and analysis fee(s) as applicable to the proposed vehicle and load configuration:	
Class C review and analysis fee	
Height and width 18 ft or less	\$15.00
Height or width over 18 feet	\$25.00
Class C engineering analysis	
Prepared by non-ADOT engineer, and reviewed by ADOT engineer	\$75 per 50-mi increment of proposed route
Prepared by ADOT engineer	\$125 per 50-mi increment of proposed route
Class C, Oversize, or Overweight, Special Permit - Tridem Axle Group Configurations	\$75 (single trip), plus \$15 Class C review and analysis fee
Class D (multiple trip; one year)	\$600
Class E, LCVs	
80,001 through 111,000 lb	\$75.00, single or 30-day permit
80,001 through 111,000 lb	\$360.00, annual permit
121,000 lb or 9 axles; or 123,500 lb for 10 axles	\$360.00, annual permit
111,001 through 129,000 lb*	\$75.00, single or 30-day permit
111,001 through 129,000 lb*	\$600, annual
*Triple LCVs cannot exceed 123,500 lb except on I-15.	
Class E permits for an LCV are issued at the Page, St. George, or Teec Nos Pos ports-of-entry.	
Class G, Reducible Load Overwidth Only (up to 10 ft in width)	
Single trip	\$15.00
Multiple trip (30 days)	\$30.00
Multiple trip (annual)	\$360.00

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Permit Type	Fee
Class H, Overwidth Vehicle and Watercraft Load Combination (multiple trip; one year)	\$45.00
Envelope Permit	
30-day oversize only	\$150.00
30-day oversize and overweight	\$500.00
Annual oversize only	\$750.00
Annual oversize and overweight	\$1,500.00
Modified permit duplicate	\$25.00
Each additional power unit exceeding the original number of permitted power units	\$50.00

(c) Insurance Requirements

The granting of a permit does not relieve the permittee of any responsibility for public liability or property damage.

A person who operates an oversize or overweight special permitted vehicle and a person who causes the vehicle to be operated is liable for any damage caused to a state highway by the oversize or overweight vehicle or load during transport.

(d) Permitted Vehicle Limitations

Categories of permits

Permit Type; Vehicle or Load Description	Permit Option	Limitations (Maximum)
Class A, Oversize and Overweight Special Permits - Specified Non-reducible Vehicle, Load, or Combination Class A permits are required for transporting a load or vehicle that projects: <ul style="list-style-type: none"> • Two feet or less, if the projecting portion of the load or vehicle has a thickness of less than 12 inches; or • Three feet or less, if the projecting portion of the load or vehicle has a thickness of 12 inches or more. 	Single trip (96 hours) or multiple trip (30 days)	<ul style="list-style-type: none"> • 14 ft wide • 16 ft high • 120 ft in overall length • 250,000 lb
Class B, Oversize Special Permit - Specified Non-reducible Vehicle and Load Combination (excluding cranes and drill rigs)	Multiple trip (one year)	<ul style="list-style-type: none"> • 12 ft 6 in. wide • 14 ft 8 in. high • 80 ft overall length • 80,000 lb

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Permit Type; Vehicle or Load Description	Permit Option	Limitations (Maximum)
<p>Class B, Type R, Oversize Recreational Vehicle Special Permit - Commercial Transport (a dealer, manufacturer, or transporter hauling or driving a recreational vehicle with appurtenances wider than 8 ft 6 in, on behalf of a dealer, manufacturer, or consumer)</p>	<p>For each original permit purchased, up to 24 additional copies of that permit, all of which are valid for unlimited use by an unlimited number of vehicles throughout a one-year period by the permittee</p>	<p>Not specified</p>
<p>Class C, Oversize and Overweight Special Permits - Specified Non-reducible Vehicle, Load, or Combination Over Class A Limits (requires pre-approval by Class C Maintenance Permit Services) (a non-reducible load that exceeds dimensions and weights of all other permit classes or when Class C operation is proposed on a route further restricted under Arizona Administrative Code R17-6-412, Table 4)</p> <p>A Class C permit is required for transporting a load that projects from either side of the vehicle:</p> <ul style="list-style-type: none"> • More than two feet, if the height of the projecting portion of the load has a thickness of less than 12 inches; or • More than three feet, if the height of the projecting portion of the load has a thickness of 12 inches or more. 	<p>Single trip only</p>	<p>Not specified</p>

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Permit Type; Vehicle or Load Description	Permit Option	Limitations (Maximum)
Class C, Overweight, or Oversize and Overweight, Special Permit - Tridem Axle Group Configurations	Single trip	<p>Permit is restricted to a vehicle with:</p> <ul style="list-style-type: none"> • A minimum of four tires per tridem axle group; • A minimum of 8 ft out-to-out axle width for each tridem group; • A minimum of 8 ft distance between the center of the first axle and the center of the third axle of each tridem group; • A maximum of two tridem axle groups, or a maximum of one tandem axle group with one tridem axle group, spaced at least 25 ft between the center of the last axle of the front group and the center of the first axle of the rear group, with no other axles in-between the two groups; and • A maximum distance of 12 ft between the center of the first axle and the center of the third axle of each tridem group. <p>A tridem axle group may be used in combination with other non-tridem axle groups only if the non-tridem axle groups do not exceed the maximum permitted weight computations for overweight axle group weight distribution under Arizona Administrative Code R17-6-411.</p> <p>A permit applicant with a vehicle, combination of vehicles, or vehicle and load combination exceeding 14 ft in width, 16 ft in height, 120 ft in length, 140,000 lb overall gross weight, or any other dimension specified above must continue to follow the Department's existing Class C permit application procedures.</p>
Class D, Oversize and Overweight Special Permit - Self-propelled Mobile Crane, Drilling Rig, or Similar Specialty Equipment (a self-propelled mobile crane, drilling rig, or similar specialty equipment)	Multiple trip (one year)	<ul style="list-style-type: none"> • 14 ft wide • 16 ft high • 120 ft in overall length • Max. weight determined according to Arizona Administrative Code R17-6-411.
Class E, Oversize and Overweight Special Permits - Reducible Multiple Trailer LCVs	Single, 30-day, and annual	<ul style="list-style-type: none"> • 95 feet overall length of the cargo-carrying unit • LCV operation is subject to federal bridge formula B limits

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Permit Type; Vehicle or Load Description	Permit Option	Limitations (Maximum)
Class G, Overwidth Special Permits - Specified Vehicle or Combination with Reducible Load Over Legal Width (a reducible, specified load exceeding legal width)	Single trip or multiple trip (one-year or 30 days)	10 ft wide
Class H, Overwidth Special Permit - Specified Vehicle and Watercraft Load Combination (applicable only to a specified watercraft load registered with Arizona Game & Fish or U.S. Coast Guard)	Multiple trip (one-year)	10 ft wide, all other dimensions legal
Envelope Permit, Non-specific and Non-reducible Vehicle or Load	Annual or 30-day oversize envelope permit Annual or 30-day oversize and overweight envelope permit	Cannot exceed maximum permitted weight computations for overweight axle group weight distribution as provided in Arizona Administrative Code R17-6-411.

Maximum permitted weights

Maximum permitted weight tables can be found in Arizona Administrative Code R17-6-411, available at http://www.azsos.gov/public_services/Register/2013/33/final.pdf.

Under a Class C overweight, or oversize and overweight, special permit for tridem axle group configurations, the maximum weights are as follows:

	Distance between the center of first axle and center of third axle of a tridem group:											
	0"	1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"
8 ft	59,960	58,061	58,161	58,262	58,363	58,463	58,564	58,664	58,765	58,866	58,966	59,067
9 ft	59,168	59,268	59,369	59,469	59,570	59,671	59,771	59,872	59,973	60,000	60,000	60,000
10 ft	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000
11 ft	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000
12 ft	60,000											

Computation formula: $Weight = 1.5 \times 700(L+40)$ (L = distance between the center of the front axle and the center of the rear axle of a given group)

Legend: Eight tires per axle or four 14-inch wide tires. Value is the formula weight plus 15 percent, up to a maximum of 60,000 pounds.

The Department may use the formulas and computations provided under Tables 3.01 through 3.09, and Illustration 3 in Arizona Administrative Code R17-6-411, to determine the maximum weights allowed on any combination of axles within the distance between the front and rear axle of a given axle group, up to a maximum of 18 feet, when issuing an oversize or overweight special permit for a non-reducible vehicle or load.

The Department will use the computations provided above to determine the maximum weights allowed for tridem axle group configurations subject to conditions, restrictions, allowances, and route limitations provided

VEHICLE SIZES & WEIGHTS MANUAL

in Arizona Administrative Code R17-6-212, Table 6 (this table includes routes and the associated restrictions on those routes, such as specifications on which lanes permitted vehicles may travel).

(e) Sign Requirements

OVERSIZE LOAD signs must measure at least one foot in height and at least six feet in length. The lettering must be at least six inches high (series "D") and must be black with a minimum one-inch stroke on a yellow background.

If the oversize load is to be transported during hours of darkness, the background of the sign must be reflectorized or illuminated. All signs in compliance with AASHTO standards are acceptable.

An *optional* black border may be $\frac{3}{8}$ inch thick and may be set in one-half inch from the panel edge. Three inches of clearance around the lettering is also optional.

Permittees must ensure that an oversize or overweight vehicle or load displays an OVERSIZE LOAD sign if the vehicle or load is nine feet or more in width. Permits may require that other overdimensional vehicles or loads to display signs.

Permittees must also display an OVERSIZE LOAD sign on any oversize or overweight special permitted vehicle or load if it's necessary to ensure maximum visibility for public safety.

OVERSIZE LOAD signs must be:

- Mounted to the front or roof of the power unit;
- Mounted to the rear of the load or loaded vehicle;
- Parallel with the road surface from side-to-side;
- Readable from left to right; and
- Clearly visible from the vehicle's front and rear.

If a permittee is no longer transporting an oversize or overweight load, the permittee must ensure that OVERSIZE LOAD signs are not visible to traffic.

A sample OVERSIZE LOAD sign can be found in Arizona Administrative Code R17-6-302, available at http://www.azsos.gov/public_services/Register/2013/33/final.pdf.

(f) Flags and Lighting Requirements

Flags

Each warning flag attached to an overwidth or overlength vehicle must be cloth or plastic, at least 18 inches square, and red or fluorescent orange in color. A permittee or a driver of an overwidth or overlength special permitted vehicle and load combination must display warning flags applicable to the permittee's vehicle and load configuration as indicated in the illustration in Arizona Administrative Code R17-6-302, available at http://www.azsos.gov/public_services/Register/2013/33/final.pdf.

During daylight, flags must be displayed on the load if the vehicle or load has a rear overhang that is greater than four feet. If the load is two feet wide or less, a single flag at least 18 inches square must be displayed at the extreme rear of the load. If the load is over two feet wide, there must be two flags displayed, one on each side of the overhanging load.

A permittee or driver of a projecting vehicle or load with more than a four-foot front or rear overhang must attach warning flags to the load, as provided above for daytime operation, or, attach safety lighting as provided below for nighttime operation.

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Lights

A permittee or driver of an oversize or overweight vehicle or load must:

- Comply with all applicable lighting equipment requirements in Arizona Revised Statutes, Title 28, Chapter 3, Article 16, Equipment, and also 49 CFR Part 393, as incorporated by reference in Arizona; and
- Operate with the lighting equipment illuminated as follows:
 - At any time from sunset to sunrise and at any other time when visibility is reduced to 500 feet or less, a vehicle on a highway must display lighted lamps and illuminating devices (except for parked vehicles); and
 - If the load on a vehicle extends to the rear four feet or more beyond the bed or body of the vehicle, two red lights or two lanterns and reflectors, one on each side, plainly visible from a distance of at least 500 feet to the sides and rear must be displayed at the extreme rear end of the load, during sunset to sunrise or any other time when visibility is reduced to 500 feet or less. The red light or lantern required is in addition to the red rear light required on every vehicle. At any other time, a red flag or cloth at least 18 inches square must be displayed at the extreme rear end of the load. The flag or cloth must be displayed so that the entire area is visible to the driver of a vehicle approaching from the rear.

A permittee or driver of a vehicle is transporting a load that projects more than four inches beyond the overall width of the vehicle, or is transporting a load that projects more than three feet in front overhang or more than four feet in rear overhang, he/she must attach safety lighting during nighttime operation according to the requirements provided in the illustration in Arizona Administrative Code R17-6-304, or in Arizona Administrative Code R17-6-307, both of which are available at http://www.azsos.gov/public_services/Register/2013/33/final.pdf. The illustration specifies if amber and/or red lights are required.

(g) Escort/Flagperson Requirements

Escort requirements

A permittee transporting an oversize or overweight vehicle or load must use all escort vehicles required as a condition of special permit issuance. The Department will determine if one or more escort vehicles must accompany oversize or overweight special permitted vehicles by considering the following in relation to the proposed transport and route: roadway dynamics, overall dimensions of the vehicle and load, need for frequent stops, concern for public safety, and time of transport.

Escorts may be required in certain instances when transporting during nighttime hours or on weekends; see **Travel Restrictions** below for more details.

If two or more oversize or overweight special permitted vehicles are traveling together, the Department will require at least one escort vehicle per load.

If the Department requires law enforcement escorts, the permittee or driver of the oversize or overweight special permitted vehicle must:

- Contact the Arizona Department of Public Safety at least 12 hours before transport to request the appropriate number of uniformed certified law enforcement escorts required; and
- Ensure continuous two-way radio communication during transport with law enforcement and other escort vehicles.

If an Arizona Department of Public Safety is unable to provide law enforcement escorts, the permittee or driver of the permitted vehicle may use any uniformed certified law enforcement escorts if at least one officer is certified for enforcement of the Federal Motor Carrier Safety Regulations or the U.S. Department of Transportation's Federal Motor Carrier Safety Administration.

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Permittees of a projecting vehicle or load are required to have escorts as follows:

Load Conditions	Escort Requirements
Front load projection is longer than 20 ft Rear load projection is longer than 20 ft	Front escort Rear escort

Flagperson requirements

Escort vehicle operators that are trained and certified (as required by Arizona) may perform traffic control under guidelines developed by the Department of Transportation, the Department of Public Safety, and the transportation industry. Escort vehicle operators that perform traffic control must have in force a minimum level of commercial liability insurance that is no less than \$500,000.

(h) Escort Car/Company Requirements

Escort vehicle operators must:

- Be at least 18 years of age;
- Have a valid driver's license; and
- Have a legible and valid escort vehicle operator certificate issued by Arizona or in another state in his/her immediate possession while operating as an escort vehicle that is escorting a permitted vehicle.

Escort vehicles must be either a passenger car or two-axle truck operating as a single unit with valid registration and insurance. During operation, the escort vehicle operator must maintain continuous illumination of headlights and overhead warning lights.

Escort vehicle operators must ensure continuous communication by two-way radio capable of transmitting and receiving a minimum of one-half mile and compatible with the two-way radios used by the driver of the escorted vehicle, law enforcement escorts (if applicable), and all other accompanying escort vehicles.

An escort vehicle operator must maintain a lead or follow distance from an escorted vehicle that generally does not exceed 1,500 feet on an open state highway or 250 feet in an urban setting. When determining the appropriate lead or follow distance, an escort vehicle operator must:

- Consider traffic density, road conditions, road type, speed, and type of load;
- Ensure constant radio communication with all escorts and the escorted vehicle; and
- Maintain visual contact with the escorted vehicle at all times.

If an oversize or overweight special permitted vehicle is required to stop at an intersection with a traffic control signal, the lead escort vehicle operator must resume an appropriate lead distance as soon as is safely possible. If the following escort vehicle is required to stop, the operator of the oversize or overweight special permitted vehicle must proceed without stopping. The following escort vehicle operator must resume an appropriate following distance behind the oversize or overweight special permitted vehicle as soon as is safely possible after clearing an intersection.

Escort certification

An escort vehicle operator, while in service, must meet the escort vehicle operator training and certification standards of the Commercial Vehicle Safety Alliance, including best practices in traffic control techniques on the road, or an equivalent program, whether in Arizona or another state, that meets the same objectives.

Training and certification must be repeated at least every four years.

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Escort car signs, flags, and lights

Escort vehicles must carry the same emergency equipment required for a truck, truck-tractor, or bus under Arizona Revised Statutes § 28-960 (regarding flares and warning devices) and also 49 CFR 393.95 (regarding emergency equipment on power units), which includes:

- Fire extinguishers;
- Warning devices for stopped vehicles; and
- Emergency staff-mounted warning flags.

The OVERSIZE LOAD sign must measure at least one foot in height and at least five feet in length. The lettering must be at least six inches high (series "D") and must be black with a minimum one-inch stroke on a yellow background. If the oversize load is to be transported during hours of darkness, the background of the sign must be reflectorized or illuminated.

An optional black border may be $\frac{3}{8}$ inch thick and may be set in one-half inch from the panel edge. All signs in compliance with AASHTO standards are acceptable.

A sample OVERSIZE LOAD escort sign can be found in Arizona Administrative Code R17-6-302, available at http://www.azsos.gov/public_services/Register/2013/33/final.pdf.

OVERSIZE LOAD signs on all escort vehicles must be mounted above the vehicle's roof line and visible to approaching traffic from the front and rear. Two warning flags must also be mounted on each side of the OVERSIZE LOAD sign. Signs must be concealed when not in use.

While in service, an escort vehicle operator must maintain continuous illumination of headlights and overhead warning lights.

(i) Travel Restrictions

Prior to starting transport, a permittee and driver of an oversize or overweight vehicle must access and review the most current information on roadway conditions, closures, and restrictions by dialing 511 or by visiting <http://www.az511.gov>.

A permittee or driver of an oversize or overweight special permitted vehicle or vehicle and load combination must:

- Operate no earlier than one-half hour before sunrise and no later than one-half hour after sunset (unless the Arizona Department of Transportation restricts operation on a highway or grants permit-specific access);
- Operate in the rightmost lane of a multi-lane highway, if indicated on the special permit, except to overtake and pass another vehicle; and
- Maintain a minimum distance of 2,000 feet from any other oversize or overweight special permitted vehicle traveling on the same highway in the same direction except when passing.

Single-trip class C overweight, or oversize and overweight, special permit for tridem axle group configurations may be issued by the Department for travel on State Route 68, U.S. Route 93 from milepost 67 (junction with State Route 68) to milepost 70 (junction with I-40), and Interstates 10, 19, and 40 subject to the conditions as provided in Arizona Administrative Code R17-6-212, Table 6 (this table includes routes and the associated restrictions on those routes, such as specifications on which lanes permitted vehicles may travel).

Regulations can be found at http://www.azsos.gov/public_services/Register/2013/33/final.pdf.

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A driver of an oversize or overweight vehicle, or vehicle and load combination must use the criteria provided below to identify unsafe road conditions and discontinue transport until safe to continue. The driver must also comply with all official agency weather-related travel advisories prohibiting oversize or overweight transport. A driver of an oversize or overweight vehicle, or vehicle and load combination, must not transport under the following hazardous conditions:

Hazardous Conditions	Possible Causes May Include
Visibility is less than 500 ft	Blowing dust, snow, fog, rain
Reduced road surface traction	Snow, ice, flooding
Load destabilizing condition endangers road surface or traffic	High winds, falling objects

Permanent overdimensional vehicle highway restrictions can be found in Arizona Regulation R17-6-412, available at http://www.azsos.gov/public_services/Register/2013/33/final.pdf. Temporary highway closures and restrictions can be found at <http://www.az511.com>.

Night transport restrictions

A permittee or driver of a vehicle or load may transport a vehicle or load that does not exceed 16 feet in width or height, 3 feet or less in length of front overhang, 10 feet or less in length of rear overhang, 120 feet or less in overall length, or 250,000 pounds or less in overall weight at night as follows:

- Beginning at 3 a.m. except on any day, route, or time further restricted on weekends, in metropolitan areas or on weekends or holidays;
- On select routes as listed in Arizona Administrative Code R17-6-412, Table 4; and
- With applicable escort accompaniment (unless the Department requires additional escort vehicles under Arizona Administrative Code R17-6-412, Table 4 a permittee or driver of a vehicle or load transporting must have escort vehicle accompaniment until sunrise as follows:
 - Over 11 to 14 feet in width requires a rear escort;
 - Over 14 to 16 feet in width requires a front and rear escort; and
 - Over 15 feet in height requires a front escort with height pole).

Continuous travel

Except in metropolitan curfew areas, a permittee or driver of an oversize or overweight special permitted vehicle is eligible for continuous travel if the vehicle or vehicle and load combination does not exceed any of the following dimensions:

- Width of 10 feet;
- Height of 14 feet 6 inches;
- Front overhang of 3 feet;
- Rear overhang of 10 feet;
- Overall length of 120 feet; or
- Weight of 250,000 pounds.

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Unless otherwise restricted, a permittee or driver of a self-propelled mobile crane, drilling rig, or similar specialty equipment issued a special permit (Class D), is eligible for continuous travel if the vehicle does not exceed any of the following dimensions:

- Width of 11 feet;
- Height of 14 feet;
- Front overhang of 3 feet;
- Rear overhang of 10 feet;
- Overall length of 120 feet; or
- Weight of 250,000 pounds.

Metropolitan travel restrictions

The following two tables regarding travel in metropolitan Phoenix, Tucson, and Yuma, apply to special permitted vehicles or loads that exceed 10 feet in width, but that do not exceed 16 feet in height, three feet in length of front overhang, 10 feet in length of rear overhang, 120 feet in overall length, or 250,000 pounds:

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Metropolitan Phoenix - Curfew Routes and Restrictions		
Route	Restriction Location (MP=Milepost)	Width Restrictions During the Curfew, Hours of 7 a.m. to 9 a.m. and 4 p.m. to 6 p.m.
SR 202	MP 9.80 (Junction SR 101) to MP 57.24 (Junction I-10)	Over 10 ft - 12 ft: Requires rear escort Over 12 ft - 16 ft: No transport
SR 101	MP 1.21 (Junction I-10, near 99th Ave.) to MP 61.33 (Junction SR 202)	Over 10 ft - 12 ft: Requires rear escort Over 12 ft - 16 ft: No transport

- A permittee or driver of a special permitted vehicle or load exceeding the limits above cannot transport on a Monday through Friday during curfew hours subject to the following routes and restrictions:

Metropolitan Phoenix - Curfew Routes and Restrictions		
Route	Restriction Location (MP=Milepost)	Width Restrictions During the Curfew, Hours of 7 a.m. to 9 a.m. and 4 p.m. to 6 p.m.
I-10	MP 133.98 (Junction SR 101) to MP 161.35 (Junction SR 202, Santan)	Over 10 ft - 16 ft; No transport
I-17	MP 193.94 (Beginning of route at Junction I-10) to MP 214.96 (Junction SR 101)	Over 10 ft - 16 ft; No transport
SR 51	MP 0.00 (Junctions I-10 and SR Loop 202) to MP 15.90 (Junction SR Loop 101)	Over 10 ft - 16 ft; No transport
SR 143	MP 0.00 (Junction I-10) to MP 3.81 (McDowell Road)	Over 10 ft - 16 ft; No transport
SR 202	MP 0.00 (Junctions I-10 and SR 51) to MP 9.80 (Junction SR 101)	Over 10 ft - 16 ft; No transport

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US 60	MP 172.00 (Junction I-10) to MP 190.51 (Junction SR 202)	Over 10 ft - 16 ft; No transport
Metropolitan Tucson - Curfew Routes and Restrictions		
I-10	MP 236.42 (Marana Road) to MP 270.67 (Kolb Road)	Over 10 ft - 16 ft; No transport
I-19	MP 59.09 (Valencia Road, Kilometer Post 95.00) to MP 63.09 (Junction I-10)	Over 10 ft - 16 ft; No transport
SR 77	MP 68.05 (Junction I-10) to MP 79.48 (Tangerine Road)	Over 10 ft - 16 ft; No transport
SR 86	MP 164.04 (Camino Verde Road) to MP 171.44 (Junction I-19)	Over 10 ft - 16 ft; No transport
Metropolitan Yuma - Curfew Routes and Restrictions		
US 95	MP 19.84 (32nd Street East) to MP 31.87 (Avenue 9E)	Over 10 ft - 16 ft; No transport
SB 8	MP 0.00 (California State Line) to MP 11.50 (End of route near I-8, east of Yuma)	Over 10 ft - 16 ft; No transport

Weekend travel

A permittee or driver of an oversize or overweight special permitted vehicle, ineligible for continuous travel due to excess width or height, may transport on a weekend if the vehicle or vehicle and load combination is:

- Over 10 feet to 16 feet in width; or
- Over 14 feet 6 inches to 16 feet in height; and
- Otherwise within the limits provided for vehicles that can operate continuously.

A permittee or driver of a vehicle or load described above may transport on a Saturday or Sunday as follows:

- On any non-holiday weekend;
- From 3 a.m. until noon;
- On select routes authorized by the Department for weekend transport under Arizona Administrative Code R17-6-412, Table 4; and
- With applicable escort accompaniment as provided below.

A permittee or driver of a vehicle or load transporting on a weekend must comply with all applicable restrictions and escort vehicle requirements.

Unless the Department requires additional escort vehicles under Arizona Administrative Code R17-6-412, Table 4, a permittee or driver of a vehicle or load transporting on a weekend must have escort vehicle accompaniment as follows:

- Over 11 to 14 feet in width requires a rear escort;
- Over 14 to 16 feet in width requires a front and rear escort; and
- Over 15 feet in height requires a front escort with a height pole.

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Holidays

Oversize or overweight special permitted vehicles or loads greater than 10 feet in width, 14 feet 6 inches in height, 3 feet in length of front overhang, 10 feet in length of rear overhang, or 120 feet in overall length are prohibited from operating on the following holidays:

New Year's Day
Memorial Day
Independence Day

Labor Day
Thanksgiving Day
Christmas Day

A restriction on transport for a holiday listed above also includes days before and after a holiday, as follows:

- When a holiday occurs on a Friday, transport must stop at noon on the preceding Thursday and may resume the following Monday at one-half hour before sunrise, or Monday at 3 a.m. if night transport is allowed;
- When a holiday occurs on a Saturday, transport must stop at noon on the preceding Thursday and may resume the following Monday at one-half hour before sunrise, or Monday at 3 a.m. if night transport is allowed;
- When a holiday occurs on a Sunday, transport must stop at noon on the preceding Friday and may resume the following Tuesday at one-half hour before sunrise, or Tuesday at 3 a.m. if night transport is allowed;
- When a holiday occurs on a Monday, transport must stop at noon on the preceding Friday and may resume the following Tuesday at one-half hour before sunrise, or Tuesday at 3 a.m. if night transport is allowed; and
- When a holiday occurs on a Tuesday, Wednesday, or Thursday, transport must stop at noon on the day before the holiday and may resume the day after the holiday at one-half hour before sunrise, or the day after the holiday at 3 a.m. if night transport is allowed.

Speed limits

A driver of an oversize or overweight vehicle or load may not exceed the lower of the speed limit stated on the permit or the highway-posted speed. The Department may order an alternative speed restriction to prevent hazardous traffic conditions or damages to a highway or highway feature.

Encroachment permits

The removal of signs, guardrails, or other assets from the right-of-way is not authorized under an oversize/overweight permit and is illegal. A separate encroachment permit issued by the Department is required to enter the right-of-way for these purposes or for any reason other than authorized public travel. The activities authorized while in the right-of-way are outlined in the encroachment permit.

(j) Manufactured Housing Permits

In addition to the information submitted for the overdimensional permit, applicants for a Class A or C permit to transport a mobile home must submit to the Arizona Department of Transportation the mobile home's complete serial number and written proof of ad valorem tax payment or clearance from the applicable county assessor.

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Vehicles towing a mobile home must have a factory rating that corresponds to the following:

Load measurement criteria	Towing vehicle factory rating
10 ft or less in width and 50 ft or less in length, including hitch	1 ½ tons
More than 10 ft in width or more than 50 ft in length, or both	2 tons; 4 tires per drive axle and minimum 99-inch wheelbase

A mobile home transporter must cover the open side of a mobile home module with plastic sheeting no thinner than 1.5 mil plus a rigid grillwork backing.

(k) Annual, Extended, And/Or Other Permits

Annual permits for all certified vehicles that can be safely operated on state routes and federal highways, subject to specific bridge or route restrictions, may be issued. Bridge or route restrictions may vary during the life of the permit due to changes in bridge and highway conditions. Annual permits are non-transferable and non-refundable.

Envelope permits

Envelope permit holders must maintain in Arizona, for at least three years, records and other data for all vehicles operated and cargo transported, under an envelope permit. The records and other data includes bills of lading, shipping manifests, and time cards or invoices. A record retained by an envelope permit holder must contain at least the following: date of document preparation, name of shipper and name of receiver, address of load origination, address of load destination, and dates of transport.

Houseboat transport provisions

Extended approval Class C special permits are available to transport houseboats on:

- State Route 98, MP 299.50 (Junction B1A 22, Antelope Canyon); to MP 294.67 (End of route at Junction US 89); or
- US Highway 89, MP 546.19 (Junction SR 98); to MP 556.99 (Utah State Line).

Contact the Page port-of-entry for more details.

(l) Sealed Containerized Cargo Permits

Arizona does not have special requirements concerning sealed containerized cargo permits.

III. SUPER LOADS

Superloads are defined as any load that exceeds 14 feet wide, 120 feet long, 16 feet high, or is over 250,000 pounds.

Drawings are required and should include the axle weights, axle spacings and the number of tires.

Applications take two to four days to process.

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IV. AGENCY REFERENCES

(a) Regulatory Agency

Department of Transportation
Motor Vehicle Division
Commercial Permits
14370 W. Van Buren Street
Goodyear, AZ 85338

Ph: (623) 932-2247
www.dot.state.az.us/mvd/

or

Department of Transportation
Motor Vehicle Division
Maintenance Permits
1225 N. 25th Avenue
Phoenix, AZ 85338

Ph: (602) 712-8280

(b) Permit Agency

Intrastate
Same as above

Interstate
Ports of Entry

(c) Enforcement Agency

Department of Public Safety
Highway Patrol Bureau
2610 S. 16th Street
Phoenix, AZ 85034

Ph: (602) 233-2522

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I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Arkansas must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	All Highways
Width:	102 in
Height:	13 ft 6 in
Length:	
Straight Trucks	40 ft
Bus	45 ft
Tractor-twin-trailer combination	65 ft*
Semitrailer	53 ft 6 in**
Trailers of twin-trailer combinations	28 ft 6 in. if manufactured prior to 12/2/82; 28 ft if manufactured after 12/1/82*
Auto-transporter combination	N/S (Allowed 3-ft front and 4-ft rear overhang)
Drawbar length	15 ft
Special limitations or restrictions	*Either trailer may exceed the applicable legal length, provided overall length does not exceed 65 ft. **Trailers over 53 ft 6 in. must obtain a special permit plus have red flags and an overlength warning sign. Trailer may be over 53 ft 6 in. as long as overall length does not exceed 60 ft.
Weight:	
Single axle	20,000 lb
Tandem axle	34,000 lb
Tridem axle	50,000 lb (provided within a tri-axle group no single axle will exceed 18,000 lb or no tandem axle group will exceed 32,000 lb)
Steering axle	20,000 lb or the manufacturer's axle weight rating, whichever is less. If the vehicle does not have a plate attached by the manufacturer providing the axle and gross weight ratings, then the maximum weight allowed is 12,000 lb. The combined maximum weight imposed on the highway by a front or steering axle and any adjacent axle whose centers may be included between parallel transverse vertical planes spaced more than 40 in. and no more than 96 in. apart, must not exceed 20,000 lb.
Tandem steer axle	24,000 lb
Gross vehicle weight	80,000 lb (use Federal Bridge Formula)

VEHICLE SIZES & WEIGHTS MANUAL

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Operators of non-reducible vehicles and loads that exceed the legal size and weight limits require a permit from the Arkansas Highway and Transportation Department prior to making any movement in Arkansas. Special permits are also required for the movement of all manufactured homes exceeding eight feet in width or 60 feet in length.

An overlength permit is not required for vehicles operated in the daytime when transporting poles, pipe, machinery or other objects of a structural nature that cannot be readily dismembered. Forest machinery is exempt from width and height permits. Farm equipment and special cargoes (such as the transport of compacted seed cotton) are also exempt. Restrictions may still apply; contact the Arkansas Highway and Transportation Department for details prior to operating without a permit.

Applications for permits may be made in writing, in person, by telephone, or via <http://www.arkansashighways.com/arpars/login.asp>. Permits are issued for a single continuous (one-way) movement. Extensions of time may be granted if the request is received by the issuing agency prior to expiration of the permit.

A permit must be carried in the vehicle while the vehicle is operating under the permit.

Permittees are required to take down and replace, as necessary, all signs, mailboxes, and posts. Advance notification and the consent of owners is required.

SASHTO regional permits

Effective September 1, 1994, nine southeastern states joined together allowing carriers - who need an oversize permit for operation on the highways in any of the nine states - to obtain a single permit to cover all nine states, rather than apply for separate permits in each state. Since that time additional states have joined, bringing the total to sixteen. The member states are Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, Missouri, North Carolina, Ohio, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia. There are, however, certain requirements to be met when applying for such permit.

The permit will only be issued for an "envelope" vehicle, transporting a non-divisible load, and whose dimensions cannot exceed the following:

Length:	100 ft overall
Height:	14 ft
Width:	14 ft
Weight:	120,000 lb GVW 20,000 lb Single Axle 40,000 lb Tandem Axle 60,000 lb 3 or more Axles

The permit is only available through a wire service (not the state agency); is only valid for a single trip (no return trip); and is valid for no more than 10 days, or less than 5 days. Carrier will be informed of applicable restrictions when the permit is issued. (SASHTO is the Southeast Association of State Highway and Transportation Officials.)

(b) Fees

Arrangements may be made with the Arkansas Highway and Transportation Department to set up a monthly permit charge account for the issuing of permits. To establish a permit account, it is necessary that the bonding insurance agency execute a surety bond in the minimum amount of \$1,000. The insurance agency must

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forward to the Permit Office one completed copy of the bond form, a power of attorney form, and a certificate of insurance coverage.

A charge of \$17 must be made for each special permit and, in addition, for each ton or major fraction thereof to be hauled in excess of the lawful weight and load for that vehicle, or combination of vehicles, the charges are as follows:

Mileage	Charge on Each Ton, Per Ton, or Fraction Thereof
No more than 100 miles	\$8.00
101 miles to 150 miles, inclusive	\$10.00
151 miles to 200 miles, inclusive	\$12.00
201 miles to 250 miles, inclusive	\$14.00
Over 251 miles	\$16.00

In addition to the above fees, a fee of up to \$500 will be charged for a vehicle, unladen or with load, whose gross weight is 180,000 pounds or more.

For overweight mobile construction vehicle or equipment, fees are as follows:

Mileage	First 5 Tons, Per Ton, or Fraction	Next 5 Tons, Per Ton, or Fraction	Any Additional Tonnage
100 miles	\$1.25	\$2.50	\$3.75
101 miles to 150 miles, inclusive	\$2.00	\$3.50	\$5.00
151 miles to 200 miles, inclusive	\$2.50	\$4.50	\$6.25
201 miles to 250 miles, inclusive	\$3.25	\$5.50	\$7.50
Over 251 miles	\$3.75	\$6.25	\$8.75

(c) Insurance Requirements

The minimum liability insurance requirements for Mobile Home Manufacturers, Mobile Home Dealers and Mobile Home Carriers are as follows: \$100,000 for the first injury; \$300,000 for each accident; and \$100,000 for property damage resulting from the accident (\$400,000 minimum combined single limit coverage).

(d) Permitted Vehicle Limitations

The maximum overall width of a vehicle authorized to be moved upon highways by permit is 20 feet or less based on the condition of the highway, distance traveled, and the volume or type of traffic. In an emergency, a maximum overall width of 24 feet may be allowed for short moves. The maximum width on Interstate highways is 16 feet.

Cutter blades and other equipment of a hazardous nature exceeding 14 feet in width must be cradled to such an angle to reduce the maximum overall width to 14 feet.

Permits will not be issued for any vehicle with a front overhang exceeding 20 feet.

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(e) Sign Requirements

An OVERSIZE LOAD sign must be displayed across the front and rear of the loaded vehicle that exceeds allowable width, height, or length. The sign must be constructed of a durable material with a yellow background and black letters legible to all traffic within a safe distance.

(f) Flags and Lighting Requirements

Flags

Red warning flags measuring 18 inches square must be posted on the lower rear corners of all overwidth, overheight, and overlength vehicles and/or cargoes.

Lights

Lighting for permitted loads is not specified in Arkansas regulation.

(g) Escort/Flagperson Requirements

Escort car requirements

Escorts are required as follows:

Load Conditions	Highway Type	Escort Requirements
Width exceeds 14 ft	Divided highway with 4 or more lanes	One rear escort
Width exceeds 14 ft	All other highways	One rear and one front escort
Width exceeds 12 ft up to 14 ft	All other highways	One front escort
Overheight	Not specified	One front escort
Overall height exceeds 15 ft	Not specified	One front escort with height clearance bar extended 6 in. above the permitted height
Overall height exceeds 17 ft	Not specified	Public utilities personnel who have overhead facilities affected on the route

Flagperson requirements

Persons issued overweight or oversize permits are authorized to temporarily stop or halt traffic and safely direct, control, and regulate traffic around the overweight or oversize payload while maneuvering their overweight or oversize payloads on or off public streets or highways. No overweight or oversize permitted payload may halt or stop traffic for more than three minutes or within 500 feet from the crest of a hill.

(h) Escort Car/Company Requirements

An escort vehicle must be either a truck of not less than one-quarter-ton rated load capacity or an automobile of not less than 2,000 pounds gross weight and must be properly licensed. The escort vehicle must display the name and address or telephone number and city of the company/owner of the escort vehicle on

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each door, plainly legible, and visible to the motoring public. Well-known company logos are acceptable. Logos/Names must reflect what is shown on the documentation used for proof of insurance that is carried in the vehicle.

Anyone providing an escort service must have and maintain bodily injury coverage in amounts of at least \$100,000 for each bodily injury or death, \$300,000 for each accident, and property damage coverage of at least \$25,000 for each accident (\$325,000 minimum combined single limit coverage).

Escort vehicles must be equipped with the following safety equipment:

- A 10-pound Class BC dry or equivalent chemical-type fire extinguisher
- Four 15-minute burning flares, light sticks, or triangles;
- Two-way radio communication between the escort and towing vehicles; and
- Any other devices as required by the permit.

Escort operators must maintain 200 feet of distance between the escort vehicle and the towing vehicle.

Escort car signs, flags, and lights

Escorts accompanying oversize loads must display signs stating OVERSIZE LOAD. The sign must be made of a durable material with a yellow background and black letters with a two-inch brushstroke and a minimum height of 10 inches.

Escort vehicles must have operating either a rotating amber light or a strobe-type amber light. Specific requirements are as follows:

- Rotating lights:
 - Incandescent or halogen bulb lamps capable of emitting a minimum of 35,000 total candle-power, factory certified;
 - Steady beam of light emitted;
 - Minimum lens height of six inches; and
 - Horizontally visible from all directions (360 degrees);
- Strobe lights:
 - Strobe type light source capable of emitting a minimum of 500,000 total candlepower, factory certified;
 - Flashing light capable of a minimum of 80 flashes per minute;
 - Minimum lens height of three and one-half inches; and
 - Horizontally visible from all directions (360 degrees).

Regardless of the type of light used, the light must be mounted on top of the escort vehicle and must not be obscured by signs.

Two solid red flags, 18 inches square, must be mounted other than vertical or horizontal on top of the escort vehicle (a 40 to 70 degree angle is preferred). The flags may not extend more than six inches on either side of the vehicle and may not exceed eight feet in width at maximum spread. Flags must be mounted in line with the warning lights.

(i) Travel Restrictions

Permits will normally be issued for movement during daylight hours only.

If the overall length of a permitted combination does not exceed 90 feet, the combination may run at any time on a 24-hour, seven-day week basis. Permitted loads that are overweight only may be allowed to operate on Saturdays, Sundays, holidays, and during nighttime hours.

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Permits may be issued for movement of overdimensional loads on Arkansas highways on Saturday and Sunday, unless they fall on a restricted holiday.

No oversized movements are allowed through the Greater Little Rock areas from 7 to 9 a.m. or 4 to 6 p.m. on Interstate 30 (mile marker 137-143), on Interstate 40 (mile marker 151-155), and all of Interstate 630.

Permits are not valid for movement during periods of reduced vision or inclement weather. Additionally, movements may be restricted during strong winds or wind gusts exceeding 23 mph.

Permits may be issued for the movement of overweight vehicles on holidays or during nighttime hours, provided that all other dimensions are legal.

Holidays

Permits will not be issued for movement, and no movement will be allowed, on the following holidays:

New Year's Day	Labor Day
Memorial Day	Thanksgiving Day
Independence Day	Christmas Day

If the holiday falls on Monday or Friday, no weekend movement is allowed.

Movement under special permit **will** be allowed on the following holidays:

- Martin Luther King's Birthday;
- Robert E. Lee's Birthday;
- George Washington's Birthday; and
- Veteran's Day.

Speed limits

All permitted vehicles routed on Interstate highways are required to maintain the *minimum* posted speed limit. If no minimum speed limit is posted, the vehicle must maintain a minimum speed of 40 mph.

(j) Manufactured Housing Permits

Permits are required for each single continuous movement of each manufactured home unit. Permits will not be issued for any manufactured home unit exceeding 18 feet in width.

Manufacturing housing permit fees are \$10 if the manufactured home unit does not exceed 16 feet 6 inches in width. If the manufactured home unit exceeds 16 feet 6 inches up to 18 feet in width, the permit fee is \$150.

The minimum liability insurance requirements for manufactured home manufacturers, dealers, and carriers are \$100,000 for the first bodily injury or death, \$300,000 for bodily injury or death for each accident, and \$100,000 for property damage resulting from an accident (\$400,000 minimum combined single limit coverage).

Escort vehicles accompanying manufactured home units must display signs stating OVERSIZE LOAD/OVERSIZE (width in feet) LOAD, for example, OVERSIZE 14 LOAD. The width in feet must be rounded up to the nearest whole foot. The sign must be made of a durable material with a yellow background and black letters with a two-inch brushstroke and a minimum height of 10 inches.

Red flags 18 inches square must be displayed on the front corners of the manufactured home unit.

Lights and brakes are required per state and federal standards.

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Escorts are required for manufactured home units as follows:

Manufactured Home Unit Conditions	Escort Requirements
Width exceeds 14 ft 6 in. on controlled access divided highways with 4 or more lanes	One rear escort
Width exceeds 12 feet to 14 ft 6 in.	One front escort
Width exceeds 14 ft 6 in.	One front and one rear escort

The following travel restrictions apply to manufactured home units:

Manufactured Home Unit Conditions	Travel Restrictions
Width exceeds 12 ft	No movement allowed on two-lane highways from 7 to 9 a.m. and 3 to 5 p.m. (this restriction does not apply to Saturday movements, nor between June 15 through August 15)
All manufactured home units	May not be transported on Sundays, holidays, or at night Saturday movements allowed except if traffic volumes will be greater due to a special event such as college athletics, regional/state fairs, etc.
Width exceeds 16 ft 6 in.	May only be transported between 9 a.m. and 3 p.m.

(k) Annual, Extended, And/Or Other Permits

Arkansas does not issue annual permits; however, an application may include a request for a \$1,000 annual permit for consecutive movements or operations of a vehicle not exceeding 10 feet 8 inches in width along one designated route, provided that all of which movement or operations have origins from an adjacent state and which movements or operations must be performed within the period of valid vehicle registration, and which permit will be limited to one county within the state and which one-way mileage into that county and within the state does not exceed 15 miles.

Permits for emergency movements will be issued only upon the applicant's statement of the nature of the emergency.

County permits

A permit may be issued for two or more consecutive movements or operations by one vehicle, all of which must be executed or performed within six consecutive days and which must be limited to two contiguous counties (specified at the time of application). The application must include the serial or identification number of the equipment being transported or moved.

The permit will specifically describe the vehicle to be moved, the origination and each destination of such vehicle load, the dates within which the operation or movement is to be executed and completed, and the number of each highway to be traveled. No extension of time will be granted for this type of permit.

Thirty-day permits

Permits may be issued for one or more consecutive movements or operations on primary and secondary roads only by petroleum or natural gas field-related equipment vehicle for a 30-day consecutive period, including weekends and holidays, which movements or operations may be executed or performed in one or more counties. The fee is \$12.00, plus, for each ton or major fraction thereof exceeding the maximum axle weight

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or maximum overall weight allowed by law, multiplied by five. No extension of time will be granted for this type of permit.

Types of petroleum or natural gas field-related equipment include work over rigs, substructures, derricks, mud pumps, mud tanks, drill rigs, cranes, and dozers.

Vehicles transporting cross-ties permits

Special overweight permits may be issued to certain five-axle vehicles transporting cross-ties from their first point of processing to the point at which they undergo creosote processing. The permits are issued under the following conditions:

- The five-axle vehicle must be licensed with an Arkansas “K” (Class 7) license;
- The permitted vehicle may have a loaded weight not to exceed 36,500 pounds on each of the two tandem axle configurations;
- The one-way mileage of the loaded trip does not exceed 100 miles;
- No more than five of the special permits may be issued to the same person during the same calendar year; and
- No portion of such trip is on any part of the Federal Interstate Highways.

The fee for each one-year permit is \$100.

Vehicles of special design permits

Vehicles of special design are any pneumatic and/or rubber tired mobile construction vehicle or equipment carrying no load other than its own weight which has been reduced in size and/or weight until further reduction is impractical.

Upon application and the payment of an annual fee of \$100, a permit may be issued for the movement of a crane exceeding the legal length, moved on pneumatic tires within a radius of 35 miles of a point of origin of such movement, for a period of one year from the date of the issuance of such permit.

A special permit may be issued for a maximum load overhang beyond the front of a vehicle, which load exceeds the maximum load overhang, but not exceeding five feet for a vehicle equipped with pneumatic tires and utilized exclusively for the movements of cranes for a period of not more than one year, upon application containing satisfactory proof that the vehicle is utilized solely for such movements.

Permits for the movement of a vehicle of special design will be issued on the basis of the actual width of the tires in inches multiplied by 650 pounds per inch width, multiplied by the total number of tires. The total weight on all tires in contact with the road surface will determine the gross weight. Maximum gross weight will be limited as necessary to protect the bridges and roadway surfaces of the highways involved.

(I) Sealed Containerized Cargo Permits

The following conditions apply to containerized cargo permits:

- Containerized cargo units must be part of international trade and be moved on the highways due to importation from, or exportation to, another country;
- A copy of the international bill of lading signed by a custom’s official, or an international bill of lading with equipment interchange and inspection report must be submitted before a permit may be issued;
- Operators of such units must at all times have in their possession a copy of the documents as described above;
- All vehicles operating under this permit must have a minimum of five full-time load bearing axles and must not exceed 20,000 pounds per axle, or total gross vehicle weight of 90,000;
- All vehicles operating under this permit must not exceed the legal width, length, or height restrictions;

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- Permits may be issued only for a single continuous movement or operation to be executed or performed within six consecutive dates of the issuance of the permit by one vehicle within one county; and
- Payment of the charges for each permit is collected, calculated, and transmitted under the existing regulations and policies.

III. SUPER LOADS

Loads that exceed 16 feet wide, 17 feet high, 100 feet long, or 120,000 pounds are considered super loads in Arkansas.

Applications for permits to move super loads of any sort, must be submitted in triplicate along with a detailed sketch of vehicles including all tire sizes, distance between axles, and overall length of the vehicle.

If load height exceeds 17 feet, the vehicle must be escorted by public utilities personnel.

Applications must be submitted at least two days in advance of the expected movement.

IV. AGENCY REFERENCES

(a) Regulatory Agency

Arkansas Highway & Transportation Division
Permit Section
P.O. Box 2261
Little Rock, AR 72203

Ph: (501) 569-2381

(b) Permit Agency

Arkansas Highway Police
Permits Section
P.O. Box 2779
Little Rock, AR 72203

Ph: (501) 569-2381

(c) Enforcement Agency

Arkansas Highway Police
P.O. Box 2779
Little Rock, AR 72203

Ph: (501) 569-2421

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Reserved

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Statutes

Vehicle operations in the state of California must comply with size and weight laws. Laws are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	All Highways
Width:	102 in
Height:	14 ft
Length:	
Straight Trucks	40 ft
Truck-trailer	65 ft
Drawbar length	15 ft
Auto-transporter combination	<ul style="list-style-type: none"> • 70 ft if kingpin of stinger-steered semitrailer is at least 3 ft behind rear drive axle of motor truck; the load upon the rear vehicle of the vehicle combination shall not extend more than 6 ft 6 in. beyond the allowable length of the vehicle. • 75 ft for same combination if distance from steering axle to rear drive axle does not exceed 24 ft, kingpin is at least 5 ft behind rear drive axle of motor truck, and the distance from kingpin to rear axle of semitrailer does not exceed 34 ft. (36 ft to the rear axle of a triple-axle semitrailer.) The load upon the rear vehicle of the vehicle combination shall not extend more than 6 ft 6 in. beyond the allowable length of the vehicle.

Length limits for other truck combinations:

Type	Highways Used	Combination Length	Conditions
Tractor-semis (Tractor is defined as a non-load carrying vehicle.)	Federally designated highway system plus all other highways, streets and roads except where sign posted to restrict operations by ordinance	65 ft	Semitrailer can be of any length and kingpin to center of rearmost semitrailer axle dimension is limited to 40 ft for trailers with two or more axles; 38 ft for single axle semitrailers
	Federally designated highway system plus access as defined by the law	Unlimited	Semitrailer can be no longer than 48 ft and kingpin to center of rear semitrailer axle is unrestricted; or Semitrailer can be no longer than 53 ft and kingpin to center of rearmost semitrailer axle dimension is limited to 40 ft for trailers with two or more axles; 38 ft for single axle semitrailers

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Type	Highways Used	Combination Length	Conditions
Doubles	Federally designated highway system plus all other highways, streets and roads except where operation on local roads is restricted by ordinance or resolution	65 ft	One trailer 28 ft 6 in. maximum, other trailer may exceed 28 ft 6 in.
	Federally designated highway system plus all other highways, streets and roads except where operation on local roads is restricted by ordinance or resolution	75 ft	Neither semitrailer nor trailer can exceed 28 ft 6 in. in length
	Federally designated highway system plus access as defined by the law	Unlimited	Neither semitrailer nor trailer can exceed 28 ft 6 in. in length

When combination length exceeds 75 ft, the load must be confined within the exterior dimensions of the vehicle. The load upon a vehicle, trailer, or semitrailer shall not extend to the rear beyond the last point of support for a greater distance than that equal to **two-thirds of the length of the wheelbase**. The wheelbase of a semitrailer shall be considered as the distance between the rearmost axle of the towing vehicle and the rearmost axle of the semitrailer.

For information on California Service Access Routes, visit <http://tinyurl.com/accessroutes>. For Special Route Restrictions, visit <http://tinyurl.com/restrictedroutes>.

Weight:	All Highways
Single axle	20,000 lb (for buses 20,500 lb)
Tandem axle	34,000 lb
Steering axle	20,000 lb (there are various exceptions)
Load per inch width of tire	620 lb per lateral inch of tire width.
Gross wheel weight	One wheel, or wheels, supporting one end of an axle shall not exceed 10,500 lb
Gross vehicle weight	80,000 lb

Refer to the California section of the "State Bridge Tables" tab for more information on weight limits.

II. OVERSIZE/OVERWEIGHT MOVEMENTS

(a) General Information

All operators of vehicles that exceed the legal size and/or weight limits must obtain a permit from the Department of Transportation prior to making any movements on California state highways.

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Single trip permits are:

- Issued for travel from a single origin to a single destination in one direction; non-reducible loads only; and
- Valid for seven consecutive days.

Exempt from permit requirements for overlength loads are poles, timbers, pipes, and other single unit component parts not exceeding 80 feet in length (integral structural material) and transported on a pole or pipe dolly or on a semitrailer. Rear overhang on a semitrailer may not exceed a distance equal to two-thirds of the length of the wheelbase. Overhang is measured from the last point of support.

(b) Fees

Single trip permits are \$16. Annual or repetitive permits (six-month) are \$90.

(c) Insurance Requirements

Transporter is responsible for compliance with the “Financial Responsibility Law” of the California Vehicle Code.

(d) Permitted Vehicle Limitations

Dimensions:

- Width, 15 ft
- Overall length, 135 ft
- Rear overhang, 35 ft
- Front overhang, 30 ft
- Height, no less than 3 in. below the lowest structure along the route (loads greater than 17 ft in height require a written route review from the applicant)

Loads over 15 feet in width, over 135 feet in length, or over 17 feet in height or on special hauling equipment which exceed the standard method of weight classification must be approved by a variance coordinator for special processing.

Axle weights are limited to the following:

Axles	Weight Limits
Single axle	<ul style="list-style-type: none">• 20,000 lb in general• 20,000 lb max. steering axle• 22,500 lb on a single drive axle of a 2-axle tow truck• 28,000 lb on a single axle mechanical distribution unit heavy haul configuration and some fixed load applications• No single axle may exceed 30,000 lb
Tandem axles	See weight charts for allowable weights.
Tridem axles	See weight charts for allowable weights.

Weight charts are available at <http://www.dot.ca.gov/hq/traffops/permits/wgtcharts.htm>.

Lift/Drop Axles

Lift axles do not qualify for extralegal weight and must be raised.

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(e) Sign Requirements

Signs must be posted on the front and rear of the permitted vehicle as follows:

Sign Type	When Required
OVERSIZE LOAD	<ul style="list-style-type: none"> • Overweight movements, • Any vehicle and/or load exceeding 8 ft 6 in. in width, or • Any movement with more than 10 ft of overhang.
LONG LOAD	Overall length exceeds 100 ft.
OVERSIZE	Shorter-length vehicles with other oversize features (WIDE LOAD, LONG LOAD, OVERSIZE LOAD, EXCESSIVE FRONT OVERHANG, or EXCESSIVE REAR OVERHANG may be substituted for the OVERSIZE sign when appropriate).

(f) Flags and Lighting Requirements

Flags

Red flags (no less than 12 inches square) must be displayed on the left front and left rear of the load.

Lights

Lighting is required as follows:

- During darkness, a minimum of two red side marker lights must be mounted, one on each side of the overhang at maximum intervals of 6 feet for the entire length of a rear overhang.
- Load overhangs extending 4 feet or more beyond the rear bed or body of the vehicle must display, at the extreme end of the load, two red lights clearly visible for a distance of 500 feet to the sides and rear.
- On front overhangs, two amber clearance lights must be placed at the forward extremity of the overhang, and two additional amber side marker lights are to be placed on each side of the overhang at maximum intervals of 6 feet for the full length of the overhang.

(g) Escort/Flagperson Requirements

Escorts are required for oversize/overweight loads as specified by permit. In general, escort cars are required on the following routes when the **width exceeds**:

Route	1 escort car required	2 escort cars required
Yellow	12 ft	15 ft
Green	12 ft	14 ft
Blue	11 ft	13 ft
Brown	10 ft	12 ft
Red	See "Red Route Summary Table" for escort information at http://www.dot.ca.gov/hq/traffops/permits/pdf_documents/maps/red-route-summary-table.pdf .	

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The permittee must ensure that escort-car vehicles and operators are equipped and briefed as to their duties before movement.

Escorts must be placed as follows:

- One car is required in front of the permitted vehicle on two- or three-lane conventional roads or on any roads if the rear overhang is more than 25 feet.
- One car is required to follow the permitted vehicle on four-lane (or more) conventional highways and divided highways.
- If two escort cars are required, one car must be in front of and one car must follow the permitted vehicle.

(h) Escort Car/Company Requirements

Escort cars and their operators must have the following:

- STOP/SLOW sign paddle each (C28);
- Orange vest, shirt or jacket each;
- Red hand flag each (24 inches by 24 inches minimum);
- Two-way radio communication with permitted vehicle; and
- A non-destructive, vertical clearance measuring device with height in excess of 14 feet when escorting a permitted load or vehicle must be requested at the time of application.

An escort car operator must:

- Maintain a safe distance between the permitted vehicle and the escort car to allow passing by other traffic (up to 500 feet); and
- Accompany the permitted load over all operational California Highway Patrol scale and inspection facilities.

For pilot car travel requirements, see the pilot car maps at <http://www.dot.ca.gov/hq/traffops/permits/pcmmaps.htm>.

Escort Car Signs, Flags, and Lights

Escort cars must display signs:

- Containing the word OVERSIZE (WIDE LOAD, OVERSIZE LOAD, or LONG LOAD signs are acceptable where appropriate), which are visible from straight-ahead or behind, as well as 45 degrees on either side (the signs must be at least 48 inches above the ground with black letters on a yellow background (lettering must be of a one-inch brush stroke with a minimum height of six inches minimum projected letter height; the sign itself must be 440 square inches).
- Showing the name of the company or the owner or driver of the car must be displayed on both the right and left sides of the car. The lettering on the signs must be no less than two and one-half inches in height in a color that contrasts with the background.

Escort cars must be equipped with lights and flags as follows:

- Top-mounted flashing amber lights visible to the front when the car leads and to the rear when it follows, and must be operated at all times when escorting an oversize movement.
- At least one red warning flag measuring at least 16 inches square. The flag may be mounted on the side of the vehicle. All lights shall be removed or covered when the car is not escorting an oversize movement.

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(i) Travel Restrictions

Route classifications can be found at http://www.dot.ca.gov/hq/traffops/permits/pdf_documents/accomp/24-7_SC_2009-04-16.pdf.

Unless the face of the permit states “No Night Travel” the following policies apply:

Route of Travel	Without a Pilot Car	With a Pilot Car
Yellow	Travel authorized 24/7	Travel authorized 24/7 until the loaded width exceed 16 ft. If loaded width exceeds 16 ft, load must be escorted by the California Highway Patrol (CHP) and the CHP will determine travel hours.
Green	Travel authorized 24/7	<p>Daylight hours, including weekends - Travel authorized until the loaded width exceeds 15 ft. If loaded width exceeds 15 ft, the load must be escorted by the CHP and the CHP will determine travel hours.</p> <p>Hours of darkness, including weekends - Travel authorized during hours of darkness until the loaded width exceeds 14 ft. If loaded width exceeds 14 ft, travel during hours of darkness not authorized.</p>
Blue and Brown	Travel authorized 24/7	<p>Daylight hours, excluding weekends - Travel authorized until loaded width exceeds 15 ft. If loaded width exceeds 15 ft on Blue and Brown routes, load must be escorted by the CHP and CHP will determine hours of travel.</p> <p>Hours of darkness - Travel during hours of darkness not authorized.</p> <p>Weekend travel - Travel authorized on Saturday and Sunday from one-half hour prior to sunrise to 12 noon.</p>

Night movements permitted when specifically stated on the permit, provided that the vehicle is equipped with clearance and sidemarker lamps.

Travel is generally prohibited:

- During foggy, rainy, or windy weather when visibility is restricted to less than 1,000 feet; or
- When road surfaces are hazardous due to ice, snow, frost, or when the use of tire chains is required.

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Certain California cities require oversize/overweight permits; contact that city or county, or J.J. Keller & Associates, Inc.'s Trip Permitting Office at (800) 231-5266.

Travel on Red Routes

Consult the "Red Route Summary Table" at http://www.dot.ca.gov/hq/traffops/permits/pdf_documents/maps/red-route-summary-table.pdf for travel restrictions.

Holidays

Permitted moves generally restricted from 4 p.m. to midnight the day before the holiday and from noon to midnight on the holiday or days of the holiday weekend; special restrictions exist for holidays falling close to weekends. See special conditions for holiday travel at <http://www.dot.ca.gov/hq/traffops/permits/forms.htm>.

Speed Limits

The maximum speed limit is 55 mph or the posted speed limit, whichever is less.

(j) Manufactured Housing Permits

Regional Transportation Permit Offices issue permits for manufactured housing.

Applicants must be transporters, licensed manufacturers, or dealers. Individuals are not allowed to tow.

The manufactured housing permit limitations are as follows:

- The maximum length under an oversize single trip permit for manufactured housing is 80 feet.
- Maximum combination length is 105 feet for a two-axle power unit.
- Maximum combination length is unlimited for a power unit with three or more axles.
- Permits for movement of overlength and/or overwidth manufactured housing are issued only when good cause appears. A relocation of residence or merchandising may be used as a basis for good cause among other individual circumstances. Manufactured housing over 15 feet wide is a "Variance Application."

Manufactured home moves are subject to the following:

Manufactured Home Size	Conditions/Restrictions
8 ft 6 in. up to 16 ft in width and does not exceed 6,000 lb per axle weight	May be moved on its own wheels
Up to 12 ft wide	Towing unit must have an unladen weight of at least 6,500 pounds and dual wheels
Greater than 12 ft wide	Towing unit must have an unladen weight of at least 9,500 pounds and dual wheels
Up to 12 ft in width and 70 ft in length	<ul style="list-style-type: none">• May be allowed on an annual basis only on a designated highway network with no limitation on travel distance.• Additional movement will be permitted on state highways by single trip permit only.

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(k) Annual, Extended, And/Or Other Permits

Annual permit - \$90

Valid for one year duration; available for certain envelope loads or specific vehicles on specified highways.

Repetitive - \$90

Valid for a maximum of six months.

(l) Sealed Containerized Cargo Permits

The Department of Transportation may issue a special permit for a vehicle on:

- The 3.66-mile portion of State Route 47 and State Route 103 known as the Terminal Island Freeway, between Willow Street in the City of Long Beach and Terminal Island in the City of Long Beach and the City of Los Angeles; and
- The 2.1-mile portion of State Highway Route 1 that is between Blinn Avenue in the City of Los Angeles and Harbor Avenue in the City of Long Beach, if the vehicle meets all of these criteria:
 - The vehicle is used to transport intermodal cargo containers that are moving in international commerce;
 - The vehicle, in combination with its load, does not exceed 95,000 pounds gross vehicle weight;
 - The vehicle conforms to the single axle and wheel weights limits; and
 - The vehicle conforms to the axle group weight limits, except vehicles that impose more than 80,000 pounds total gross weight on the highway by any group of two or more consecutive axles, exceed 60 feet in length between the extremes of any group of two or more consecutive axles, or have more than six axles must conform to weight limits that will be determined by the Department of Transportation.

A permit issued by the Department of Transportation is required. The permit does not authorize the movement of hazardous materials or wastes.

The following criteria must be included in the application for the permit:

- A description of the loads and vehicles to be operated under the permit;
- An agreement that each applicant is responsible for all injuries and damage to the state and others. The applicant shall agree to hold harmless the state for all costs caused by the movement of vehicles;
- The applicant must provide proof of financial responsibility that covers the movement of the shipment. The insurance must meet the minimum legal requirements;
- An agreement to carry a copy of the permit in the vehicle at all times and furnish the copy upon request to the Department of the California Highway Patrol or the Department of Transportation; and
- An agreement to place an indicia, developed by the Department of Transportation, in consultation with the Department of the California Highway Patrol, upon the vehicle identifying it as a vehicle possibly operating under a permit. The indicia must be displayed in the lower right area of the front windshield of the power unit.

Permits are valid for one year.

For more information, visit <http://www.portoflosangeles.org>, including http://www.portoflosangeles.org/maritime/heavy_container.asp and <http://www.portoflosangeles.org/DOC/HeavyContainerCorridorEnglish.pdf>.

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III. SUPER LOADS

In California, all loads exceeding 15 feet wide or 135 feet long or 17 feet high are considered super loads.

Engineer drawings and justification is required on all applications.

Special variance must be approved and may require a 30-day notice.

IV. AGENCY REFERENCES

(a) Sizes and Weights

Regulatory agency

Legal Truck Size and Weight

Department of Transportation, Division of Traffic Operations

Office of Traffic Engineering, Truck Size and Weight

(916) 654-5741

www.dot.ca.gov/hq/traffops/trucks/

Permit agency

Oversize/Overweight Permits

Department of Transportation, Division of Traffic Operations, Office of Truck Services, Transportation Permits Office

(916) 322-1297, General information on permits

Additional permit numbers:

www.dot.ca.gov/hq/traffops/permits/

Permit Type	Phone	Fax
Single Trip (Faxed)	(916) 322-1297	(916) 322-4966
STARS	(916) 322-1297	(916) 322-6664
Variance	(916) 322-4116	(916) 322-1505
Annual or Repetitive	(916) 322-4958	(916) 445-0469

Super loads

Same as above.

www.dot.ca.gov/hq/traffops/permits/

Enforcement agency

California Highway Patrol, Enforcement Services Division, Commercial and Technical Services Section

(916) 843-3400

http://www.chp.ca.gov/depts_divs_offs/cvs.html

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CALIFORNIA HIGHWAY PATROL DIVISIONS

Division	City	Telephone
Northern Division	Redding	(530) 225-2715
Valley Division	Rancho Cordova	(916) 464-2090
Golden Gate Div.	Vallejo	(707) 648-4180
Central Division	Fresno	(559) 277-7250
Southern Division	Glendale	(818) 240-8200
Border Division	San Diego	(858) 650-3600
Coastal Division	San Luis Obispo	(805) 549-3261
Inland Division	San Bernardino	(909) 806-2400

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Colorado must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Width:	102 in	102 in
Height:	13 ft (14 ft 6 in on designated highways)*	13 ft (14 ft 6 in. on designated hwys.)*
Length:		
Straight Trucks	45 ft	45 ft
Truck-trailer	70 ft	70 ft
Tractor-semitrailer combinations	No limit** (if trailer is 57 ft 4 in or less)	No limit** (if trailer is 57 ft 4 in or less)
Tractor-twin-trailer combination	No limit** (if trailers are 28 ft 6 in or less)	No limit** (if trailers are 28 ft 6 in or less)
Semitrailer	57 ft 4 in	57 ft 4 in
Trailers of twin-trailer combinations	28 ft 6 in	28 ft 6 in
Auto-transporter combination (stinger-steered)	75 ft	75 ft
Drawbar length	15 ft	15 ft
Special limitations or restrictions	<p>*See Colorado DOT's Height Restriction Map at http://tinyurl.com/COheightmap.</p> <p>**Combination with trailer(s) in excess of above limits — limited to 70 ft.</p> <p>Saddlemounts on the National Network may be up to 97 ft in length.</p> <p>Saddlemounts on state highways are allowed 97 ft in length for no more than four total units. A fullmount also may be transported as part of this combination. A fullmount is a smaller vehicle that is mounted completely on the frame of either the first or last vehicle in a saddlemount combination.</p> <p>Loads may not project more than 4 ft in front of the vehicle or more than 10 ft to the rear of the vehicle. Overhangs for auto-transporters may not exceed 4 ft beyond the front of the vehicle nor more than 6 ft to the rear of the vehicle.</p>	

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	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Weight: *		
Single axle	20,000 lb	20,000 lb**
Tandem axle	36,000 lb	40,000 lb
Steering axle	N/S	N/S
Load per inch width of tire	N/S	N/S
-or-		
Gross wheel weight	N/S	N/S
Gross vehicle weight	80,000 lb and Federal Bridge Formula compliant	85,000 lb and state bridge formula compliant ($W = 1000*(40 + L)$, where L is length from center of first axle to center of last axle)
Tolerances	N/S	N/S
Access	Unlimited	Unlimited

*Vehicles using auxiliary power units or idle reduction technology (to promote reduced fuel use and emissions) may have the actual weight of the unit or 550 lb, whichever is less, exempted from the calculation of axle weight. To be eligible for the exemption, the operator must be able to prove by written certification the unit's actual weight and by demonstration or certification that the unit is fully functional at all times.

**21,000 lb if the vehicle or combination is a digger derrick or bucket boom truck operated by an electric utility.

Exclusions From Length and Width

The following are excluded from measured width and length of a commercial vehicle:

- Rear view mirrors, turn signal lamps, handholds for cab entry/egress, splash and spray suppressant devices, load induced tire bulge; and
- Devices that do not carry property and that do not exceed three inches from the side of the vehicle or that do not exceed the dimensional limitations for length.

Excluded devices cannot be combined for additional excluded width or length.

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Operators of all vehicles that exceed the legal size and weight limits must obtain a permit from the Colorado Department of Transportation (DOT) prior to making any movement in the State of Colorado. Extra-legal permits issued by the Colorado DOT are valid for non-divisible vehicles or loads only (except otherwise specified below).

All applications may be made in person, at <https://permits.coloradodot.info/tpsprod/>, by fax, or by mail. Applications are not accepted over the phone. Prior to entering the State of Colorado, permits must be obtained by contacting the Denver headquarters at (800) 350-3765 or (303) 757-9539.

Permits must be paid by check, cash, Visa®, Mastercard®, or through an escrow account.

Following are the types of transport permits available:

- A single trip permit is valid for up to a five day period over assigned or designated highways for a specific commodity, vehicle, or load;

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- A special permit is valid for only a single one-way trip over designated state highways for an extra-legal vehicle or load that exceeds the maximum limits; or
- Annual permits, annual non-interstate permits, annual fleet permits, company fleet permits, and non-interstate fleet permits are available.

There are no exemptions from the permit requirements for overlength poles and pipes.

No permit is necessary for the operation of authorized emergency vehicles, public transportation vehicles operated by municipalities or subdivisions of Colorado, county road maintenance and construction equipment temporarily moved upon the highway, implements of husbandry, and farm tractors temporarily moved upon the highway. This includes the transportation of such tractors or implements by a person dealing tractors to a person's place of business within Colorado or to the premises of a purchaser or prospective purchaser within Colorado. Crane boom sections transported side-by-side as items essential to the operation of the crane are exempt from the divisible load rules, provided that such sections do not exceed an overall width of 11 feet 6 inches, and provided that the trailer unit carrying the crane boom sections travels on the highways with and directly behind the crane.

Longer vehicle combination (LVC) overweight vehicle transport permits, super load permits, and six-month non-Interstate divisible load permits are also available.

Permittees are responsible for compliance with all terms and conditions in the rules, the permits, and other legal requirements, including the commercial vehicle rules.

Western association of state highway and transportation officials (WASHTO) Permits —

Eighteen western states: Arizona, Alaska, California, Colorado, Hawaii, Idaho, Montana, Nebraska, Nevada, New Mexico, North Dakota, Oklahoma, Oregon, South Dakota, Texas, Utah, Washington, and Wyoming have joined together allowing carriers needing oversize/overweight permits for operation on the highways of the Regional Network. Although Louisiana is not a member of WASHTO, the state participates in the program. Some member jurisdictions may issue regional permits and collect fees allowing operations in the other members' jurisdictions. Certain requirements have to be met when applying for each permit.

Permits are issued only for an "envelope" vehicle of the following non-reducible maximum dimensions:

Length:	110 ft overall
Height:	14 ft
Width:	14 ft
Weight:	160,000 lb gross weight
	21,500 lb Single Axle
	43,000 lb Tandem Axle
	53,000 lb per Tridem (wheelbase more than 8 feet and less than 13 feet)

The single trip permit will be valid for a period of five working days, for use by the permitted vehicle only (tractor and trailer).

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More information is available from the member jurisdictions listed below:

Alaska	(907) 465-3901	New Mexico	(505) 827-5110
Arizona	(602) 712-7227	North Dakota	(701) 328-2581
California	(916) 654-5267	Oklahoma	(405) 522-1800
Colorado	(303) 757-9539	Oregon	(503) 986-3452
Hawaii	(808) 587-2150	South Dakota	(605) 773-5105
Idaho	(208) 334-8807	Texas	(512) 305-9501
Louisiana	(225) 377-7100	Utah	(801) 965-4113
Montana	(406) 444-6201	Washington	(360) 705-7054
Nebraska	(402) 479-4615	Wyoming	(307) 777-4484
Nevada	(775) 888-7440		

(b) Fees

1. For overlength, overwidth, and overheight permits on loads or vehicles which DO NOT exceed legal weight limits:

Single Trip Permit	\$30
Annual Oversize Permit	\$250

2. For permits issued for oversize and overweight, or for overweight loads only:

Single Trip Permit	\$30 plus \$10 per axle
Annual Oversize/Overweight Permit	\$400

3. Special permits for structural, oversize, or overweight moves requiring extraordinary action or moves involving weight in excess of 200,000 pounds:

Special Permit	\$250
Super load permits for combinations with weight of 500,000 lb or more that occupies two lanes, or an unladen combination vehicle with an expandable dual-lane transport trailer that occupies two lanes	\$800

4. Overweight permits for non-Interstate divisible vehicles or loads exceeding legal weight limits:

- Annual Permit, \$500 (quad and 2/3 axle trailer)
- Six-month Permit, \$250 (2/3 axle trailer)
- Single Trip Permit, \$30 + \$20 per axle (2/3 axle trailer)
- Single Trip Permit, \$30 plus \$10 per axle (quad axle)
- Annual Fleet Permits, \$2,000 plus \$35 per vehicle to be permitted (quad axle)

(c) Insurance Requirements

No person may drive or operate any vehicle or load on the highway in such a manner that it causes damage to the highway or structures. If damage should occur as a result of the oversize or overweight movement, the permittee will be held liable for all costs.

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If the driver is not the owner of the vehicle or combination, but is operating with the express permission and instructions of the owner, then the driver and the owner will be jointly liable for any damage to the highway or highway structures.

(d) Permitted Vehicle Limitations

A non-Interstate overweight divisible load permit is subject to the following:

- Operations are non-Interstate only and the vehicle and load are within legal dimensions;
- The vehicle has a quad-axle grouping and the maximum gross weight does not exceed 110,000 pounds;
- The vehicle is operated in combination with a trailer or semitrailer, the trailer has two or three axles, and the maximum gross weight of the vehicle does not exceed 97,000 pounds;
- The owner and the operator of the vehicle are in compliance with the federal "Motor Carrier Safety Improvement Act of 1999;" and
- The vehicle complies with the rules regarding the distribution of the load upon the vehicle's axles.

The non-Interstate overweight divisible load permit does not authorize the operation or movement of a motor vehicle on the Interstate highway in violation of federal laws (the Colorado law authorizes the operation or movement of a vehicle or combination of vehicles on Interstate highways at a maximum weight of 80,000 pounds and 85,000 pounds on the intrastate system of Colorado).

(e) Sign Requirements

Oversize vehicle/load movements must display signs to indicate WIDE LOAD or WIDE, LONG LOAD or LONG, or OVERSIZE LOAD or OVERSIZE, as applicable, which is visible to approaching traffic from the front and the rear. All such signs must either be:

- Five feet wide, 10 inches high with one-inch wide brush stroke, black letters a minimum of eight inches high on yellow background; or
- Seven feet wide, 18 inches high, with a 1.41 inch brush stroke, black letters a minimum of 10 inches high on yellow background.

The sign requirements do not apply to longer vehicle combinations or to vehicles that are overweight only.

(f) Flags and Lighting Requirements

Flags

Red or orange fluorescent warning flags measuring 12 by 12 inches must be placed on extremities of the oversize vehicle or load.

Lights

Lights are required during hours of darkness. Movements exceeding legal width must display:

- A flashing yellow light mounted at the front of the vehicle; and
- At least two but not more than three flashing yellow lights mounted to the extreme rear.

Movements exceeding the legal limits for length or that have an overhang must display a flashing yellow light mounted at the front of the vehicle.

At least one but not more than three yellow or red cluster lights must be attached to any overhang, as follows:

- If the overhang is in the rear, red cluster lights must be used; and

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- If the overhang is in the front, yellow cluster lights must be used.

Vehicles or loads that are within all legal limits except for height are exempt from the lighting requirements.

(g) Escort/Flagperson Requirements

Escort car requirements

The permit holder is responsible for inspecting a pilot escort driver's certification to ensure that it is valid and current.

Pilot escort cars are required as follows:

Highway Type	Movement Dimensions	Pilot Escort Requirements
Blue	Width exceeds 8 ft 6 in but does not exceed 11 ft	One pilot escort vehicle in the front
	Width exceeds 11 ft but does not exceed 13 ft	One pilot escort vehicle in the front and one in the rear
Yellow	Width exceeds 11 ft but does not exceed 13 ft	One pilot escort vehicle in the front
	Width exceeds 13 ft but does not exceed 15 ft	One pilot escort vehicle in the front and either one pilot escort vehicle or one flashing yellow light in the rear
Green	Width exceeds 13 ft but does not exceed 15 ft	One pilot escort vehicle in the front on a two-lane highway
	Width exceeds 13 ft but does not exceed 15 ft	Either one pilot escort vehicle or one flashing yellow light in the rear on a four-lane highway
	Width exceeds 15 ft but does not exceed 17 ft	One pilot escort vehicle in the front and either one pilot escort vehicle or one flashing yellow light in the rear on a two-lane highway
	Width exceeds 15 ft but does not exceed 17 ft	Either one pilot escort vehicle or one flashing yellow light in the rear on a four-lane highway
White	Width exceeds 15 ft but does not exceed 17 ft	Either one pilot escort vehicle or one flashing yellow light in the rear
All two-lane highways during hours of darkness	Width exceeds 12 ft but does not exceed 14 ft	One pilot escort vehicle in the front and the vehicle must meet the lighting requirements
All four-lane highways during hours of darkness	Width exceeds 12 ft but does not exceed 14 ft	One pilot escort vehicle in the rear and the vehicle must meet the lighting requirements
All four-lane highways	Length exceeds 115 ft	One pilot escort vehicle must be positioned in the rear
All mountainous two-lane highways	Length exceeds 85 ft	One pilot escort vehicle must be positioned in the front

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Highway Type	Movement Dimensions	Pilot Escort Requirements
All non-Mountainous two-lane Highways	Length exceeds 110 ft	One pilot escort vehicle must be positioned in the front
All highways	Overhang exceeds 15 ft in the front	One pilot escort vehicle in the front
	Overhang exceeds 25 ft in the rear	One pilot escort vehicle in the rear
	Height exceeds 16 ft	One pilot escort vehicle positioned in front with a height pole

(h) Escort Car/Company Requirements

Escort vehicles must be a passenger vehicle or two-axle truck (not towing a trailer), have a gross vehicle weight less than 16,000 pounds, be at least 60 inches wide, and properly registered and licensed. The vehicle must be equipped with a two-way radio capable of transmitting and receiving voice messages over a minimum of one-half mile.

Headlights of the escort vehicles must be lighted during movement.

Pilot escort vehicle operating conditions and trip planning and coordination requirements are described in Colorado Regulation, Chapter 5, Sections 506 through 508.2. Contact the Colorado Department of Transportation Permit Office for more information.

Escort certification

Pilot escort drivers must be certified with the Colorado Department of Transportation. Colorado recognizes and accepts certifications from Arizona, Florida, Oklahoma, Utah, Washington, and the Specialized Carriers & Rigging Association (SC & RA).

Pilot escort drivers must:

- Comply with all applicable traffic laws and with the permitting requirements when escorting a vehicle or load on a state highway;
- Be a minimum of 18 years of age;
- Possess a valid driver's license for the state jurisdiction in which he/she resides;
- Possess current certificate(s) of insurance or endorsement(s) which indicates that the operator, or the operator's employer, has in full force and effect insurance coverage(s) for bodily injury and/or property damage as a result of the operation of the escort vehicle, the escort vehicle operator, or both causing the bodily injury and/or property damage arising out of an act or omission by the pilot escort vehicle operator of the escort duties required by the rules; such insurance(s) or endorsement(s) must be no less than \$1,000,000 combined single limit and/or \$1,000,000 per occurrence of commercial liability coverage, as applicable, and must be maintained at all times during the term of the certification; the insurance certificate must indicate on the face of the document that the policy is for the operation of pilot escort vehicle(s) and pilot escort duties/responsibilities; and
- Provide a current (within 30 days) motor vehicle record in the state of current residence, for the immediate previous five year period, to the Pilot Escort Certification Program at the time of the course (the driving records must be clear of any conviction for drug or alcohol related offenses and not contain a single moving violation penalty assessment of six points or more).

Pilot escort drivers must carry their certification card at all times while in pilot escort operations.

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Escort drivers must have the following documents (or access to them electronically) when piloting a permitted vehicle:

- Valid Arizona, Colorado, Florida, Oklahoma, Utah, Washington, or SC & RA certification card;
- Copy of the extra-legal rules;
- Bridge weight limit map;
- Pilot escort oversize restriction map;
- Height restriction map;
- Hazardous and nuclear materials map; and
- Proof of insurance.

Escort car signs, flags, and lights

Escort vehicles must also display WIDE LOAD, WIDE, LONG LOAD, LONG, OVERSIZE LOAD, or OVERSIZE signs as applicable that meet the following requirements:

- All signs must be a minimum of five feet wide, 10 inches high with one-inch wide brush stroke black letters at least 8 inches high on a yellow background (or a maximum of seven feet wide, 18 inches high, with a 1.41-inch brush stroke black letters a minimum of 10 inches high on a yellow background).
- The signs must be mounted on top of the pilot/escort vehicle clearly legible and readable by oncoming or overtaking traffic at all times.
- Pilot escort identification signs or placards must be displayed on the escort vehicle at all times while escorting an extra-legal vehicle or load. The sign or placard must appear on both sides of the escort vehicle, be lettering contrasting with the background, and be legible during daylight hours from a distance of 50 feet while the vehicle is stationary.
- All escort vehicles must be equipped with at two yellow or amber flashing lights (AAMVA-approved) mounted on each side of the top-mounted sign, or, an AAMVA-approved yellow or amber rotating, oscillating, or flashing beacon/light bar mounted on top of the pilot escort vehicle (incandescent, strobe, or diode (LED) lights may be used provided they meet the criteria).

Escort vehicles must also carry the following safety items:

- Standard 18-inch or 24-inch red/white STOP and black/orange SLOW paddle signs (construction zones require the 24-inch sign).
- At least three reflective bi-directional triangles or their equivalent.
- Eight red-burning flares, glow sticks, or equivalent illumination device.
- Three orange traffic cones all at least 18 inches high with a six-inch reflective collar.
- Flashlight using two or more D-cell batteries with a minimum 1 ½-inch lens diameter, with extra batteries or charger (emergency type shake or crank will not be allowed).
- One six-inch minimum length red or orange cone flashlight to use when directing traffic.
- Orange or white hardhat and Type 2 reflective orange safety vest for each personnel involved in pilot escort operations.
- For front escort vehicle piloting loads greater than 16 feet high, a height-measuring pole with a non-conductive tip, made of non-destructive, flexible material (the height pole must not extend more than six inches above the maximum height of the load; when not escorting a vehicle, the height pole must be removed or shortened).
- One five-pound B.C. fire extinguisher or one 10-pound A.B.C. fire extinguisher for escorts of hazardous materials.

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- At least two red or orange flags mounted on top of the vehicle at 45-degree angles and not extending more than six inches on either side of the vehicle.
- One spare OVERSIZE LOAD sign, a minimum of 5 feet wide by 10 inches high or a maximum of seven feet wide by 18 inches high.
- At least two handheld two-way radios or other form of communication.
- First aid kit, clearly marked as such.
- Serviceable spare tire, tire jack, and lug wrench.

When an escort vehicle is not escorting an extra-legal vehicle or load, signs must be removed or covered and lights must not be operated.

(i) Travel Restrictions

The following regions in Colorado restrict movements on various highways during certain times of the day; contact the Colorado Department of Transportation Permit Office for more information or review the rules at www.coloradodot.info:

- Denver;
- Colorado Springs;
- Pueblo area;
- Aspen-Carbondale area;
- Central City; and
- Clear Creek Canyon.

There are also restrictions on the I-70 corridor (I-70 between the Morrison Exit (Exit 259, RP 258.7) and the West Vail Exit (Exit 173, RP 173.3), or any segment thereof):

- Winter (December 1 through March 31): Westbound travel prohibited between 3 p.m. and 8 p.m. on Fridays, and between 7 a.m. and noon on Saturdays and Sundays; Eastbound Travel Prohibited between 3 p.m. and 9 p.m. on Saturdays and Sundays.
- Summer (May 15 through September 15): Westbound travel prohibited beginning at 4 p.m. at the Morrison Exit (Exit 259, RP 258.7) and beginning at 5 p.m. at the East Idaho Springs Exit (Exit 241) until 8 p.m. on Fridays, and between 8 a.m. and noon on Saturdays.
- Eastbound Travel Prohibited between 3 p.m. and 9 p.m. on Sundays.

Movements traveling on I-70 at mileposts 213 - 214 through the Eisenhower-Johnson Memorial Tunnels (the tunnels) must meet the following:

- If the movement is more than 11 feet in width, it must stop at the tunnel approach parking lot and obtain permission from the tunnel superintendent or the portal attendant to travel through the tunnels; and
- Movements greater than 13 feet 11 inches in height are prohibited from travel through the tunnels.

During periods of construction, one bore of the tunnel may be operated in a two-way traffic or bi-directional mode. During those periods, travel by movements exceeding 8 feet 6 inches in width will be prohibited in both directions through the affected bore. Movements arriving at the tunnel during these periods will be detained by tunnel personnel until the two-way traffic operation is discontinued.

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A movement is prohibited from travel when:

- The Department of Transportation, State Patrol, or other peace officer determines and provides public notice that a hazardous road condition exists; or
- The permittee knows that a hazardous road condition exists (such as water, ice, snow, mud, wind, rocks, or debris from an accident, natural disaster, or an emergency).

Vehicles that are overweight only may chain up and continue movement when chain law is in effect; and may operate like all other commercial vehicles and proceed as conditions allow providing the vehicle and/or load does not exceed 200,000 pounds gross weight.

Movements are subject to the following travel restrictions:

Movement Details	Travel Prohibition
Non-Interstate divisible extra-legal vehicles or loads	Prohibited from travel on the interstate highway system
Gross vehicle weight greater than 140,000 lb	The movement must: <ul style="list-style-type: none"> • Not exceed 40 mph when crossing bridges; and • Travel in the center of the driving lane when crossing bridges.
Gross vehicle weight greater than 200,000 lb and all Chapter 8 special mobile machinery (SMME)	The movement must: <ul style="list-style-type: none"> • Not exceed 10 miles per hour on those bridges specifically restricted by the Colorado DOT and listed on the Transport Permit; • Travel in the center of the driving lane when crossing bridges; and • If required to slow to 10 miles per hours on any bridge along the approved route, attached to the rear of the movement an sign reading as follows: "CAUTION: THIS VEHICLE MAY SLOW TO 10 MPH TO CROSS BRIDGES". SMMEs shall not travel more than 10 miles for any intended trip.
Width is 13 ft or more	Travel allowed only in the farthest right-hand lane available to traffic and as close as practicable to the right-hand curb or painted shoulder line, except when passing another vehicle or preparing for a left turn.

The following movements are still subject to permit requirements but are not subject to the hours of restriction:

- Overweight vehicles under 110,000 pounds gross vehicle weight, of legal dimensions, and capable of maintaining a minimum speed of 40 mph on a flat grade or 30 mph on a grade or the minimum posted speed limit (if lower); or
- Vehicles and or loads responding to emergencies as defined in the rules.

A movement more than 14 feet wide is prohibited from travel during hours of darkness, unless authorized by a special or super load permit.

Holidays

Movements, other than long vehicle combinations (LVCs), are prohibited from travel between the hours of 6 a.m. to 9 p.m. on Memorial Day, Independence Day, and Labor Day.

When Independence Day falls on a Saturday, a movement is also prohibited from travel on the previous Friday between noon and 9 p.m., and when Independence Day falls on a Sunday an Extra-legal Vehicle or Load is also prohibited from travel on the following Monday between noon and 9 p.m.

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A movement is prohibited from travel between noon and 9 p.m. on the Friday preceding Memorial Day and Labor Day.

In the Cripple Creek area, a movement is also prohibited from travel on Friday, Saturday, and Sunday for Memorial Day, Independence Day, Labor Day, Christmas Day, and New Year's Day during the hours of 3 p.m. and 7 p.m. on the following Highways:

- State Highway 24 between State Highway 67 at Divide (RP 278) and Woodland Park (RP 303).
- State Highway 67 between State Highway 24 at Divide (RP 70) and Cripple Creek (RP 51.7).

An LVC is prohibited from travel at any time on Memorial Day, Independence Day, and Labor Day. If Independence Day falls on a Saturday, an LVC is also prohibited from travel on the previous Friday, and if such holiday falls on a Sunday, an LVC is also prohibited from travel on the following Monday. An LVC may travel on New Year's Day, Thanksgiving Day, and Christmas Day. However, if such holiday falls on a Saturday, an LVC is prohibited from travel on the previous Friday, and if such holiday falls on a Sunday an LVC is prohibited from travel on the following Monday.

Bridge restrictions

All posted bridge limitations must be followed regardless of whether the vehicle weight is permissible under a special permit.

All bridges within the federal interstate and Colorado highway system are color coded in the following manner to indicate the suitability for movement of overweight vehicles/loads on certain bridges.

1. Black — No overweight permits allowed
2. Orange — Major restrictions
3. Yellow — Moderate restrictions
4. White — Minimal restrictions

The following list is the maximum weight permitted on the corresponding color codes:

Distance (d) Between Axle Groups									
	8 ft < d < 10 ft			10 ft <= d < 12 ft			d >= 12 ft		
Axle Group	Orange	Yellow	White	Orange	Yellow	White	Orange	Yellow	White
Single	22	25	27	22	25	27	22	25	27
Tandem	36	39	43	39	43	47	42	46	50
Triple	49	53	58	53	58	63	55	60	65
Quad	52	57	62	57	62	68	60	66	72

(j) Manufactured Housing Permits

The overall width of a manufactured home must be based on the total width of the manufactured home exclusive of the measurement of the eaves of the manufactured home provided that the base width of the home does not exceed 14 feet and the total width of the eave or eaves does not exceed two feet.

A load consisting of a modular or manufactured home with an open side(s) is prohibited from travel unless it is fully enclosed with paneling. The paneling must consist of 0.5 mil plastic sheathing or strong, baked by a grill work not more than a square four feet by four feet (or if the open side is wrapped in reinforced polyethylene, grill work is not necessary). Any read-made poly tarps and/or poly tarp rolls are not permissible.

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(k) Annual, Extended, And/Or Other Permits

Six-month non-Interstate divisible load permits

The six-month non-Interstate divisible load permit is valid for six months on all non-Interstate highways for an extra-legal vehicle or load that does not exceed the legal size limits or the maximum weights, as follows, and the bridge weight limit map:

- A quad axle grouping and the maximum gross weight of the vehicle does not exceed 110,000 pounds; or
- The vehicle is operated in combination with a trailer or semitrailer, the trailer has two or three axles, and the maximum gross weight of the vehicle does not exceed 97,000 pounds.

Annual permits

The following annual permits are available:

- Annual Permit: A permit that is valid for one year from the date of issuance on all State Highways for an extra-legal vehicle or load that does not exceed the maximum permit limits.
- Annual Non-Interstate Permit: A permit that is valid for one year from the date of issuance on all non-Interstate highways for an extra-legal vehicle or load that does not exceed the legal size limits or the maximum weight limits (110,000 pounds for movement with a quad axle grouping; 97,000 pounds for a movement with a tandem or triple axle group on the trailer) and the Bridge Weight Limit map.
- Annual Oversize Permit: Overlength - A permit that is valid for one year from the date of issuance on state highways for overlength public utility vehicles. Vehicles and/or loads may not exceed the maximum limits for length as designated on the Pilot Escort and Oversize Restriction Map.
- Annual LVC OWD Permit: Overweight Long Vehicle Combination (LVC) Divisible - A permit that is valid for one year from the date of issuance for LVCs only.

The Colorado DOT will provide a copy, either paper or electronic, of the rules and as appropriate, the bridge weight limit map, the pilot escort and oversize restrictions map, and the height restrictions map to each applicant for an annual permit, when the permit is granted.

Annual permittees (other than annual LVC weight permittees) must have the following documents in the permitted vehicle, or access to the documents electronically, when operating or moving on any highway:

- The original or a copy of the transport permit, unless the permit can be electronically verified;
- Copy of the rules;
- Bridge Weight Limit Map;
- Pilot Escort and Oversize Restriction Map (this item is not applicable to non-Interstate overweight division load permit holders);
- Height Restriction Map (this item is not applicable to non-Interstate overweight division load permit holders);
- Pilot Escort and Oversize Restriction Map (this item not applicable to non-Interstate overweight divisible load permit holders); and
- Height Restriction Map (this item not applicable to non-Interstate overweight divisible load permit holders).

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Annual Permit Limitations

If a movement under an annual permit exceeds the maximum limits the applicant must obtain a special or super load permit. Special or super load permits are not issued to divisible vehicles or loads.

The maximum limits under an annual permit are as follows:

- Height: 16 feet, subject to the height designated on the Height Restriction Map;
- Weight: 200,000 pounds, subject to the weight designated on the Bridge Weight Limit Map;
- Width: 17 feet, subject to the width designated on the Pilot Escort and Oversize Restriction Map;
- Length: 130 feet on all four-lane highways; 120 feet for all non-mountainous, two-lane highways; and 110 feet for all mountainous two-lane highways; and
- Overhang: 35-foot rear; 25-foot front.

The maximum limits under a quad-axle annual overweight permit for divisible loads are as follows:

- Height: 13 feet, unless operating on a highway designated by the Colorado Department of Transportation to operate at 14 feet 6 inches;
- Gross vehicle weight: 110,000 pounds, subject to the Bridge Weight Limit Map (vehicle must be configured with a quad axle grouping);
- Width: 8 feet 6 inches;
- Length: 70 feet for all highways (no length limit when trailer is 57 feet 4 inches or less in length when used as a tractor/trailer combination); 70 feet for truck-trailer combination (truck not to exceed 45 feet in length); and single vehicle not to exceed 45 feet; and
- Overhang: 10-foot rear; 4-foot front.

■ The maximum limits under a two/three axle annual and 6-month overweight permit for divisible loads are as follows:

- Height: 13 feet, unless operating on a highway designated by the Colorado Department of Transportation to operate at 14 feet 6 inches;
- Gross vehicle weight: 97,000 pounds, subject to the Bridge Weight Limit Map (vehicle configuration must consist of a tractor and a trailer configured with two but not more than three axles on the trailer);
- Width: 8 feet 6 inches;
- Length: 70 feet for all highways (no length limit when trailer is 57 feet 4 inches or less in length when used as a tractor/trailer combination) and 70 feet for a truck and trailer combination (truck not to exceed 45 feet in length) (a semitrailer used with a converter dolly is considered a trailer); and
- Overhang: 10-foot rear; 4-foot front.

■ The maximum limits for operating under an annual oversize permit for overlength public utility vehicles or loads are as follows:

- Length: 130 feet for all four-lane highways;
- Length: 120 feet for all non-mountainous, two-lane highways; and
- Length: 110 feet for all mountainous, two-lane highways.

Special mobile machinery exemption

Mobile machinery that exceeds maximum limits is prohibited from travel on state highways except under a special mobile machinery exemption (SMME) and permit. Applicants for an SMME must apply for a certificate of exemption. If the exemption is granted, applicants must then submit an application for a permit.

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To qualify for an SMME certificate, mobile machinery including loaders, rough terrain cranes, or two- or three-axle rubber-tired scrapers must meet the following:

- Must not exceed 110,000 pounds gross vehicle weight;
- Must not exceed more than 73,000 pounds on any one axle; and
- Must not travel more than 10 miles for any intended trip; if the intended trip is more than 10 miles, the mobile machinery must be transported.

The SMME certificate, or access to it electronically, must be carried in the mobile machinery when it is operating or moving on a state highway.

SMME certificates may be transferred to the new owner upon sale, repossession, or other transfer if the new owner files an application to transfer the certificate.

(I) Sealed Containerized Cargo Permits

Colorado does not have special requirements concerning sealed containerized cargo permits. Colorado will not permit sealed containerized cargo for weight.

III. SUPER LOADS

Loads that exceed 17 feet in width and/or 200,000 pounds gross vehicle weight are considered specials in Colorado, or as indicated on the Pilot Escort and Oversize Restriction Map.

Super load permits are for vehicle combinations with a weight of 500,000 pounds or more that occupy two lanes OR an unladen combination vehicle with an expandable dual-lane transport trailer that occupies two lanes (a vehicle or load will be deemed to occupy two lanes when the total width exceeds 15 feet).

Special and super load permits are valid for only a single one-way trip.

There may be additional charges if roads need to be closed.

Allow three to five business days for approval.

Super load permit applicants must provide third party documentation establishing the gross weight of the load. Acceptable documentation includes the manufacturer's certification of the weight and load, certified weight ticket from a certified public scale, clearance certification from a law enforcement agency that has weighed the load, or a third-party bill of lading that clearly indicates the weight of the load.

(a) Permit Conditions

A movement under a special or super load permit must comply with the following:

Applicable requirements of the oversize/overweight permitting rules.

All conditions of the permit, which the Department of Transportation determined to be necessary after a detailed analysis of the vehicle and load and the move, including but not limited to:

- The size and type of Load to be moved;
- The method to be utilized in making the move;
- The areas where the move originates and terminates;
- Route requested for the move; and
- The distance of the move.

The driver of an extra-legal vehicle or load under a super load permit must have in his/her possession a copy of the acceptable third-party certification of weight provided to the DOT.

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If a condition of the permit requires a state highway to be closed because the movement will use the entire highway, the permittee must provide public notification of the temporary closure of a state highway at least two weeks in advance of the move. Public notification consists of one or more of the following:

- Local newspaper,
- Radio,
- Television, or
- On-site location signs (Department-approved).

The permittee must comply with additional requirements, including but not limited to the following, when included as condition(s) of the permit:

- Bridge shoring;
- Setting up turn out areas;
- Traveling in the center of the driving lane;
- Posting a bond or establishing an escrow account to pay for potential damage to the Highway or any Highway structure, or for cost of Department employees and/or Colorado State Patrol to accompany the load and supervise movement, or for response to any problems encountered during the move;
- Removing all material used in the move from the highway or right-of-way; and
- Any other requirements the Department deems necessary.

(b) Pilot Escort Vehicles

Movements under special or super load permits must have at least one pilot escort vehicle in the front and at least one pilot escort vehicle in the rear, except when expressly designated otherwise by the Department.

The Department may require the permittee to provide Colorado State Patrol escorts, or additional pilot escort vehicles and flagpersons based upon certain factors including, but not limited to:

- State highway width,
- Traffic volume,
- Visibility, and
- Whether the width of the load interferes with or blocks more than one lane of traffic.

If additional pilot escort vehicles and flagpersons are required, they must stop traffic at all intersections and other turn out areas ahead of the load as necessary to allow the load to pass such areas without causing safety or traffic hazards.

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IV. AGENCY REFERENCES

(a) Sizes and Weights

Regulatory agency

| Colorado Department of Transportation, Permit Office
(800) 350-3765
(303) 757-9539 (local)
www.coloradodot.info/business/permits/truckpermits

Permit agency

Same as above

Super loads

| Colorado Department of Transportation
(303) 757-9539 or (800) 350-3765
Hours: 7:30 a.m. - 4:30 p.m. (Mountain Time)
www.coloradodot.info

Enforcement agency

| Colorado State Patrol
(303) 239-4501
www.colorado.gov/cs/Satellite/StatePatrol-Main/CBON/1251592908196

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Connecticut must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	All Highways
Width:	102 in (or its appropriate metric equivalent of 2.6 m or 102.36 in)
Height:	13 ft 6 in
Length:	
Straight Trucks	45 ft, including load
Truck-trailer	65 ft
Tractor-semitrailer combinations	No overall length limit — semitrailers 48 ft
Tractor-twin-trailer combination	No overall length limit — semitrailers 28 ft
Semitrailer	Semitrailers greater than 48 ft and less than or equal to 53 ft in length, including load, that have a distance of no more than 43 ft between the kingpin and the center of the rearmost axle with wheels in contact with the road surface, may be operated on U. S. and Connecticut routes numbered from 1 to 399, inclusive, 450, 476, 508, 693 and 695 and the National System of Interstate and Defense Highways, and state and local roads for up to one mile for access to terminals, facilities for food, fuel, repair, and rest, and points of loading and unloading.
Trailers of twin-trailer combinations	28 ft
Auto-transporter combination	65 ft (conventional fifth wheel)
Stinger-steered auto-transporter	75 ft
Overhangs, auto-transporters	4-ft rear, 3-ft front (extendable ramps used to achieve overhangs are excluded from overall length and must be retracted when not in use)
Distance between vehicle and towed/drawn vehicle	20 ft
Weight:*	
Axle weights	22,400 lb per axle if axles are spaced 6 ft or greater; 18,000 lb per axle if axles are less than 6 ft apart
Tridem axle	42,500 lb (subject to Federal Bridge Formula)
Load per inch width of tire	600 lb/in
Gross vehicle weight	80,000 lb (subject to Federal Bridge Formula)

*A commercial motor vehicle that is equipped with an auxiliary power or idle reduction technology unit is granted a weight tolerance exemption from the gross, total axle, total tandem, or bridge formula weight limits. The exemption allows additional weight equal to the weight of the unit, up to 550 lb.

VEHICLE SIZES & WEIGHTS MANUAL

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

A permit is required for the operation of any vehicle(s), or vehicles and load, upon any Connecticut highway, whose dimensions or weight exceed those specified in the Connecticut General Statutes, either with or without load.

Permits will not be issued for oversize and/or overweight movements that can be reduced or loaded within the legal size and weight limits; however, divisible load permits may be obtained if it is in the best interest of the public safety and welfare.

Single trip permits are valid for three days and for one trip between the points designated. A single trip consists of a vehicle leaving the terminal, loading the vehicle, delivering the load and returning to the terminal in one continuous move, on in the case of through-state moves, from state line to state line.

Blanket permits for fleets of vehicles are not issued.

Overwidth vehicles will not be permitted unless a 12-foot passing lane can be maintained. Occasional exceptions may be made in the case of movement over very lightly traveled roads, or where movement is for a very short distance. An engineering inspection is usually required.

Overweight permits will not be issued if the load would be legal on a larger vehicle. Also, if overweight road building equipment can be transported safely and with a minimum of traffic interference, the equipment need not be dismantled. Exceptions may be made in the case of special equipment, with additional restrictions.

Permits will not be issued for overlength vehicles carrying a load unless the load itself is overlength.

All applications for permits are directed to the Commissioner of Transportation through the Department of Transportation, Motor Transport Services Unit (MTSU). Application may be made at <https://www.cvisn.ct.gov/> ct, in person, through the mail, or by telephone. All permits are issued to the person, firm, or organization who will actually transport the load. The MTSU reserves the right to make final routing designations, and/or the equipment to be used.

(b) Fees

Single permit, \$23

Annual permit, \$7 per 1,000 pounds, or fraction thereof

An annual fee may be paid for any vehicle transporting a divisible load, an overweight or oversized-overweight indivisible load, or an oversize indivisible load. A permit may be issued in any increment up to one year, provided the owner or lessee must pay a fee of one-tenth of the annual fee for such vehicle for each month or fraction thereof. The annual fee for any vehicle transporting an oversize indivisible load will not be less than \$500.

An additional fee of \$3 will be charged for each permit issued via fax. All fees are payable to the Department of Transportation.

(c) Insurance Requirements

Applicants will assume all responsibility for injury to persons, or damage to public or private property caused directly or indirectly by the transportation of vehicles or loads under permit. Furthermore, the applicant agrees to hold the state of Connecticut, the Department of Transportation, and other state agencies harmless from all suits, claims, damages, or proceedings of any kind that may result as a direct or indirect result of the transportation of the vehicle or load.

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The applicant may be required to submit, upon request, a bond or security to cover damages that may occur to roads, bridges, or structures, as a result of the transportation of a vehicle or load under permit.

(d) Permitted Vehicle Limitations

Overweight permits will not be issued for less than 80,000 pounds on five axles except for special use vehicles that are not designed for transporting persons or property and are only incidentally operated or moved over a highway. Permit applications for weight up to 122,000 pounds require vehicles with five axles; 130,000 pounds require vehicles with six axles.

Any permit application to haul more than 130,000 pounds will require special consideration by the Commissioner.

With the exception of house moves and moves that are essential for national defense, the maximum width is limited to 16 feet. The maximum height is limited to the physical restraints of the route. In most cases, excess dimensions require an engineering review of the route to determine the least disruption to traffic.

Four axle single unit vehicles are allowed 67,400 pounds or 73,000 pounds when the distance between the first and last axles is 28 feet or more; however, the maximum gross vehicle weight is 73,000 pounds, no permit required, when the vehicle is engaged in construction work, transporting construction material, or equipment to a construction project (construction materials are defined as sand, gravel, stone, and concrete).

The following limits apply to divisible loads:

Vehicle Type	Maximum Permit Weight	Axle Weights
Single Unit Permitted Vehicles		
3-axle - lift	53,800 lb	22,400 lb/axle
3-axle - fixed	53,800 lb	Exempt
4-axle - fixed (rear axle spread less than 6 ft)	76,500 lb	Exempt
4-axle - lift axle	76,500 lb	Tandem drive axles 45,000 lb maximum
4-axle fixed (rear axle spread 6 ft or greater)	80,000 lb	Exempt
5-axle - 2 lift axle(s) (rear axle spread 6 ft or greater with a 24-ft minimum outer bridge)	80,000 lb	Tandem drive axles 45,000 lb maximum
Tractor-semitrailer Combinations		
5 or 6-axle combination	80,000 lb	Exempt

Divisible load permits are limited to certain bulk materials and raw products. Bundled, bagged, and/or palletized materials or products do not qualify for divisible load permits. Some examples of bulk materials or raw products include sand, topsoil, asphalt, recycled asphalt, raw milk, feed/grain, ash, crushed glass, salt, lime, demolition/construction material, and logs.

At no time can vehicles exceed the gross vehicle weight rating.

(e) Sign Requirements

OVERSIZE signs must be a minimum of seven feet in length and 18 inches in height. The black lettering must be one inch wide and eight inches high on a yellow background.

All overlength loads must display OVERLENGTH, LONG LOAD, or OVERSIZE signs on the front and extreme rear of the vehicle or load.

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All loads 10 feet in width or greater must display WIDE LOAD, OVERWIDTH, or OVERSIZE signs on the front and extreme rear of the vehicle.

Overweight movements do not require signs.

(f) Flags and Lighting Requirements

Flags

Red warning flags measuring 18 inches square must be displayed on all four corners and/or widest points of oversize or overweight movements.

Lights

Amber lights are required on the transporting vehicle, top mounted and visible from a distance of no less than 1,000 feet.

(g) Escort/Flagperson Requirements

Escort car requirements

When specified in the permit, it is the responsibility of the permittee to provide escort vehicles. Failure of escort car operators and flagpersons to comply with the requirements in properly warning and directing traffic is considered a violation of the terms of the permit.

When a single escort car is required, it must precede on two or three lane roads or follow on four or more lane divided roads. When two escort cars are required, one must precede and one must follow the escorted load or vehicle.

Oversize/overweight vehicles exceeding 25 feet front/rear overhang will require an escort vehicle. Escorts are also required if any part of the vehicle or load will encroach on opposing traffic lanes.

Convoying or using one escort car for more than one oversize or overweight movement is not permitted.

The following table indicates when escorts are required.

Escort Requirements						
	Divided Hwys.		Undivided Hwys.		State Police Escorts	
	Front	Rear	Front	Rear	Front	Rear
WIDTH - Maximum Width 16 ft						
Legal to 12 ft				*		
Greater than 12 ft up to 13 ft 6 in		X	X			
Greater than 13 ft 6 in	X	X	X	X		
15 ft 0 in. or greater	X	XX	X	XX		
Over 13 ft 5 in. Width & Over 15 ft Height					X	X
HEIGHT						
Greater than 14 ft	X		X			
15 ft 1 in. high or greater and 13 ft 6 in. in width or wider	X		X		X	X
15 ft 4 in. high or greater	X		X		X	X

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Escort Requirements						
	Divided Hwys.		Undivided Hwys.		State Police Escorts	
	Front	Rear	Front	Rear	Front	Rear
LENGTH						
Greater than 80 ft				X		
Greater than 100 ft		X	X	X		
Greater than 119 ft	X	X	X	X		
* If load exceeds lane width. "XX" means two escorts are required.						

Escort cars and the oversize/overweight vehicle must remain right of the centerline of the roadway at all times except when prevented by the physical limitations of the highway.

Flagpersons

A flagperson, in order to warn and direct approaching traffic, must wear a red jacket or vest and use a red flag to direct traffic.

(h) Escort Car/Company Requirements

Escort cars must remain to the right of the centerline of the roadway at all times except when prevented by physical limitations of the roadway. When it becomes necessary to use a portion of the opposing traffic lane, the oversize or overweight movement must not occupy that lane until it has been advised by the escort that the lane is clear of all on-coming traffic.

Escort cars must not be used to tow another vehicle while being utilized as an escort car.

Escort cars must:

- Be at least 60 inches wide and a maximum 1 ½ ton capacity;
- Be equipped with a red hand flag and a red vest or jacket (to be used if it becomes necessary to park and stop or control traffic); and
- Maintain two-way radio communications with the oversize/overweight vehicle.

Two-way radio communications between the pilot cars and the oversize or overweight movement is also required.

Each pilot car must be equipped with a red hand flag, and a red vest or jacket. These items shall be used when it becomes necessary to park the pilot car and stop or control highway traffic.

Escort car signs, flags, and lights

Escort vehicles must display a top-mounted sign with a minimum height of the bottom of the sign 48 inches above the roadway. The sign must read OVERSIZE LOAD AHEAD/FOLLOWING or:

- OVERSIZE LOAD AHEAD/FOLLOWING;
- WIDE LOAD AHEAD/FOLLOWING; or
- LONG LOAD AHEAD/FOLLOWING.

Signs must be painted with eight-inch minimum height black letters on a yellow background, using a one-inch brush stroke. Signs must be removed when not escorting oversize/overweight vehicles.

Flags 18 inches square must be displayed on the front or rear corners of the escort vehicle, whichever is appropriate.

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Flashing or rotating amber lights are required on the escort vehicle(s), top mounted and visible from a distance of no less than 1,000 feet. Lights must be used at all times when escorting.

(i) Travel Restrictions

Permits will not be issued for the movement of oversize or overweight vehicles or combinations of vehicle and load on Saturdays or Sunday.

A permittee may not move vehicles and loads except during daylight hours (one-half hour after sunrise to one-half hour before sunset) unless special permission is obtained from ConnDOT and if weather and highway conditions are favorable. A permittee must also use reasonable judgment and must reschedule, suspend, or postpone a trip if the trip will impair public safety because of local highway and traffic conditions.

For loads 13 feet 6 inches or wider and over 14 feet high, travel is limited from 9 a.m. to 4 p.m. Tuesday, Wednesday and Thursday only.

Self-propelled mobile truck cranes greater than 10 feet wide are allowed to operate one-half hour before sunrise until one-half hour after sunset, Monday through Friday, except between the hours of 7 to 9 a.m. and 4 to 6 p.m.

Holidays

Permits will not be issued for the movement of oversize or overweight vehicles or combinations of vehicle and load on the following holidays:

- New Year's Day;
- Good Friday;
- Memorial Day;
- Independence Day;
- Labor Day;
- Thanksgiving Day; and
- Christmas Day.

Holiday restrictions may include a period of time before and after each holiday. Generally, the movement restrictions for holidays start at noon on the day before the holiday (if on a Monday, the restricted hours start at noon the Friday prior) and extend until daylight on the day after the holiday.

(j) Manufactured Housing Permits

In addition to the normal policies of transporting oversize loads, the following restrictions are required when transporting mobile homes, modular homes, house trailers, or sectional houses on Connecticut highways. Transporters failing to comply with these restrictions will be denied future permits. These restrictions pertain to all house trailers:

- The towing vehicle must have a minimum manufacturer's gross vehicle weight rating of 10,000 pounds and must have dual wheels on the drive axle.
- Travel for all mobile homes, modular homes, house trailers, or sectional houses except those mentioned below are restricted to daylight hours, Monday through Friday, under favorable weather and road conditions.
- Units that are in excess of 12 feet wide are restricted to hours between 9 a.m. and 4 p.m., Tuesday through Thursday.
- The maximum width for house trailers is 14 feet, which includes all roof overhangs, sills, knobs, and siding.

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- Convoy style hauling is not permitted. A safe passing distance is required between vehicles on all movements when the overall width exceeds 10 feet.
- The combined length of the unit when attached to the towing vehicle must not exceed 85 feet except that 90 feet is permitted when the towed unit does not exceed 66 feet in length excluding the hitch.

For mobile or modular homes, no moves are permitted between 6:30 to 9 a.m. or 4 to 6 p.m., Monday through Friday.

Escort vehicles are required as follows:

Mobile/Modular/Sectional Housing						
	Divided Hwys.		Undivided Hwys.		State Police Escorts	
	Front	Rear	Front	Rear	Front	Rear
WIDTH - Maximum width 16 ft						
Legal to 10 ft 0 in.				*		
Greater than 10 ft 0 in. but no greater than 13 ft 6 in.		X	X			
Greater than 13 ft 6 in.	X	X	X	X		
Pilot Program Night Moves						
Greater than 14 ft	X	X	X	X		X
LENGTH						
Greater than 80 ft 0 in.				X		
Greater than 85 ft 0 in.	X	X	X	X		
(90 ft Max)						
(66 ft Box Max)						
Pilot Program Night Moves						
Greater than 90 ft (104 ft max)	X	X	X	X		X

*If load exceeds lane width.

(k) Annual, Extended, And/Or Other Permits

Divisible load permits are issued on a monthly or annual basis.

(l) Sealed Containerized Cargo Permits

Connecticut does not have special requirements concerning sealed containerized cargo permits.

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III. SUPER LOADS

Loads in Connecticut that exceed 16 feet wide, 120 feet long, or 14 feet high are considered super loads.

Anything over 130,000 pounds requires an engineer review.

Diagrams are required and load may require a steerable dolly depending on size, weight, and configuration.

Applications require two weeks to review.

IV. AGENCY REFERENCES

(a) Regulatory/Permit Agency

Department of Transportation
Oversize/Overweight Permits
Bureau of Engineering & Highway Operations
P.O. Box 317546
Newington, CT 06131-7546
(860) 594-2880
Fax: (860) 594-2799
www.ct.gov/dot

(b) Enforcement Agency

Connecticut State Police
Office of Field Operations
1111 Country Club Rd.
P.O. Box 2794
Middletown, CT 06457
(860) 685-8000

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Delaware must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Width:	102 in	102 in
Height:	13 ft 6 in	13 ft 6 in
Length:		
Straight Trucks	40 ft	40 ft
Truck-trailer	60 ft	N/S
Tractor-semitrailer combinations	No limit	60 ft
Tractor-twin-trailer combinations	No limit	60 ft
Semitrailer	53 ft	N/S
Trailers of twin-trailer combinations	29 ft	N/S
Auto-transporter combination	N/S	65 ft exclusive of the overhang
Overhang Limitations	3-ft front, 6-ft rear	3-ft front, 6-ft rear
Drawbar length	15 ft	15 ft
Weight Limits:*		
Single axle	20,000 lb	20,000 lb
Tandem axle	34,000 lb	34,000 lb
Tridem axle	42,000 lb	42,000 lb
Steering axle	20,000 lb	20,000 lb
GVW - 2 axle vehicle	40,000 lb	40,000 lb**
GVW - 3 axle vehicle	54,000 lb	65,000 lb** & ***
GVW - 4 axle vehicle	74,000 lb	73,280 lb**
GVW - Tractor and semitrailer combination with 3 axles	54,000 lb or bridge formula, whichever is less	60,000 lb**
GVW - Tractor and semitrailer combination with 4 axles	74,000 lb or bridge formula, whichever is less	70,000 lb**
GVW - 5 axle vehicle	80,000 lb maximum or the Federal Bridge Formula	80,000 lb**

*Vehicles using auxiliary power or idle reduction technology units to promote reduction of fuel use and emissions due to idling may be allowed up to an additional 400 lb total in gross, axle, tandem, or bridge formula weights. To be eligible, the operator must be able to prove by written certification the weight of the unit and by demonstration or certification that the unit is fully functional.

**Or manufacturer's gross vehicle weight rating, whichever is less.

***Operators of 3 axle vehicles registered for 65,000 lb and operating such a vehicle to and from a construction site in Delaware, or operating such a vehicle if it contains agricultural products, may purchase an annual permit for \$100 to carry up to 70,000 lb. In either case, the vehicle cannot exceed the manufacturer's gross vehicle weight rating.

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II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Operators of vehicles that exceed the legal size and weight limits must obtain a permit from the Delaware Department of Transportation (DelDOT) prior to making any movement in Delaware. All motor vehicles, combinations, self-propelled equipment, and machinery must be licensed before an application can be made for a permit. Permits will not be issued for oversize or overweight movements that can be reduced or loaded within the legal size and weight limits (except for certain three-axle vehicles and vehicles operating at the Port of Wilmington (ship permits)). Delaware issues permits for three-axle vehicles to carry up to 65,000 pounds, and further, by obtaining an annual weight registration fee permit, to carry up to 70,000 pounds. The vehicles are legal on all roads in Delaware with the exception of the Interstate (bridge formula prevails).

Reducible load is defined as the required removal of component items, using appropriate equipment, in no more than eight workhours.

Permit applications can be done electronically directly by the permittee via the Internet. Permits may also be obtained in person at any one of the DelDOT offices in Dover, Bear, or Georgetown. Permits may also be obtained through J. J. Keller & Associates, Inc.'s 24-hour trip permit service at (800) 231-5266.

Single trip permits will be issued for single trips from the designated starting point to the designated terminal point (intermediate terminal stopping points and round trips are not permitted). Multi-trip permits will be issued for the period beginning the first day of the month to the first day of the following month. Permits are not transferrable.

A permit must be carried in the vehicle to which it refers during the movement it authorizes. Copies of:

- Multi-trip permits issued to utility companies may be carried in the vehicles in lieu of the original;
- Multi-trip route permits must be posted at the destination point or the main office of the company; and
- A ship permit may be carried by the movers of the loads associated with the ship permit.

Permit exemptions

A permit is not required for any vehicle crossing or entering upon State-maintained highways while engaged in construction or maintenance operations, provided such moves are made within the limits of a federal, state, county, or municipal contract.

Permits are also not required for federally-defined Surface Transportation Assistance Act (STAA) vehicles on the defined STAA routes. See the federal regulations in 23 CFR Part 658 for a list of Delaware's STAA routes.

(b) Fees

Permit Type	Fees
Oversize movement (not overweight)	\$10, chargeable to all classifications except super loads
Super loads, including mobile or modular homes that fall within the limits of a super load	\$30, plus overweight fees
Overweight	\$5 per each 8,000 lb or fraction thereof over the licensed weight

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Permit Type	Fees
Multi-trip permits (except ship permits)	\$30 per month, may be purchased in advance for up to 24 months
Ship permit	\$900 per ship and of 5 days duration
Annual (blanket) crane permits	<ul style="list-style-type: none"> • \$1,500 for self-propelled cranes up to and including 24,000 pounds; or • \$2,500 for a self-propelled crane over 24,000 pounds. • The following weight fees also apply, calculated as follows: <ul style="list-style-type: none"> ○ Per-trip charge of \$5 per each 8,000 pounds (or fraction thereof) over the licensed weight (legal limit based on the number of axles: 2 axles, 40,000 pounds; 3 axles, 65,000 pounds; 4 axles, 73,280 pounds; 5 or more axles, 80,000 pounds); ○ The difference between the actual weight and the legal weight is divided by 8,000 pounds to arrive at a computation factor, which is rounded to the nearest whole number; this factor is then multiplied by \$5 to determine the additional weight fee; and ○ Once the per-trip weight fee is computed, it is multiplied by 52 (based on travel at least once per week over the entire permit year).

There is an additional fee of \$2 for any change to a validated permit.

(c) Insurance Requirements

The permittee shall assume all responsibility for injury to persons or damages that may occur to the road surface, traffic control devices, bridges, or other structures as a result of the movement. Liability and property damage insurance in sufficient amounts to cover all claims that may arise must be carried by the permittee and under that coverage, Delaware must be held harmless from any such claims.

(d) Permitted Vehicle Limitations

In general, single trip permits are limited to 15 feet or more in width, 15 feet or more in height, 120 feet or more in length, and/or has a gross weight in excess of 120,000 pounds. If a vehicle or load exceeds these limits, super load permits are available.

The load upon any vehicle operated alone, or the load upon the front vehicle or a combination of vehicles shall not exceed more than three feet beyond the foremost part of the vehicle. The load upon any vehicle operated alone, or the load upon the rear vehicle of a combination of vehicles shall not extend more than six feet beyond the rear of the bed or body of such vehicle.

(e) Sign Requirements

Warning signs must be displayed during all oversize movements. Load hauling vehicle warning signs must be at least seven feet long and 18 inches high. The sign's background must be yellow with black lettering, and for night moves, made of high-intensity reflective material. Lettering must be at least 10 inches high with a 1.41-inch brush stroke (if Series E Modified lettering is used, the brush stroke must be two inches).

All overwidth loads must display two signs with the wording OVERSIZE LOAD. One sign must be on the front of the vehicle and the other must be on the rear of the load; however, if the sign cannot be attached to, or is not legible on, the load, then the sign must be attached to the rear of the vehicle itself.

Vehicles and loads exceeding legal length or rear overhang are required to display two OVERSIZE LOAD signs. One sign must be on the rear of the overlength or overhanging part of the load; however, if the sign

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cannot be attached to, or is not legible here, then the sign must be attached to the rear of the vehicle itself. The other sign must be on the front of the vehicle.

Warning signs cannot obstruct lights or other safety devices on the permitted vehicle.

There are no sign requirements for overheight movements.

Sign requirements may be changed after assessing each individual proposed movement.

(f) Flags and Lighting Requirements

Flags

Red or orange fluorescent warning flags must be at least 18 inches square. Flags must be securely fastened to the vehicle or load by at least one corner of the flag or securely mounted on a staff.

Red warning flags must be posted on all four corners of oversize movements and the extremities of overwidth loads.

Flags are also required on vehicles and loads that exceed legal length or that have a rear overhand in excess of four feet. There must be a single flag at the extreme rear if the overlength or projecting portion is two feet wide or less. Two flags are required if the overlength or projecting portion is wider than two feet and must be located to indicate the maximum width.

Flag requirements may be changed after assessing each individual proposed movement.

Refer to <http://www.deldot.gov/osow/policy.pdf> (see Appendix B) for lighting and flagging diagrams.

Lights

Warning lights must be used for authorized night operations. If the load is overwidth for its entire length with a wider portion near the middle of the load, red and amber lights must be placed at the rear and front corners of the load, respectively, with amber lights on the sides at the extreme limits of the load. If the load is non-uniform in width, red and amber lights must be placed at the rear and front corners, respectively, of the overwidth portion. For loads of legal width that are over length with a rear overhang exceeding four feet, four red lights must be placed on the rear and sides of the overhanging portion of the load. Amber lights are required at least every six feet on both sides of the overhang. Refer to <http://www.deldot.gov/osow/policy.pdf> (see Appendix B) for lighting and flagging diagrams.

Load hauling vehicles must travel with lowbeam headlights on at all times. Whenever the rear running lights, stop lights, turn signals, or hazard-warning lights are obstructed by the load on a vehicle, lighting equipment must be displayed on the rear of the load equivalent to the obstructed lights or signals.

For overwidth loads uniform in width, place amber lights on the forward corners of the load and red lights on the rear corners of the load.

While not required in Delaware, load hauling vehicles may display a flashing 360-degree yellow (amber) light at an elevation above the highest point of the vehicle. A second flashing 360-degree light may be at the rear of the load if the load obstructs the visibility of the 360-degree light on the load-hauling vehicle. The 360-degree light must be visible in all directions from a distance of 1,000 feet during daylight hours with a flash rate of 60 to 90 flashes per minute. The 360-degree light lens must be at least four inches high whose minimum width or diameter at that height is 4 3/4 inches.

(g) Escort/Flagperson Requirements

All overdimensional permits will outline the escort requirements as needed for the permit.

Escort/Flagperson requirements may be changed after assessing each individual proposed movement, but are generally as follows:

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Load Conditions		Escort Requirements
Length:	85 ft or more	Rear only
	100 ft or more	Rear & Front
	120 ft or more	Rear & Front & Delaware State Police (DSP)
Width:	12 ft or more	Rear on multi-lane, Front on two lanes
	14 ft or more	Rear & Front
	15 ft or more	Rear & Front & DSP
Height:	At 15 ft	Rear & Front
	At 17 ft 6 in	Rear & Front & DSP
Weight:	Over 120,000 lb	Rear & Front & DSP
Overhang:	15 ft or more	Rear only, unless permit specifies otherwise

Vehicles and loads that are overweight only or that are 12 feet or less in width but cannot move freely with traffic may be subject to escort requirements.

(h) Escort Car/Company Requirements

Escort vehicles must be a single unit non-permitted vehicle, no smaller than a compact car. The escort vehicle cannot be attached to any other vehicle.

Escort vehicles may only escort one oversized vehicle or load. Operators must have visual contact with the permitted vehicle and have two-way radio communication with the permitted vehicle driver.

Escort car signs, flags, and lights

Escort vehicles must display a sign on the roof or front and rear of the escort vehicle that is at least five feet long and 12 inches high with eight-inch high letters. For roof mounted signs, the sign must be legible on both sides with the wording **OVERSIZE LOAD**. Signs must be mounted on the roof perpendicular to the length of the escort vehicle. For front and rear-mounted signs, the signs must read **OVERSIZE LOAD**. Warning signs cannot obstruct lights or other safety devices on the escort vehicle.

While not required in Delaware, warning lights for escort vehicles may be located on the roof of the vehicle perpendicular to the length of the escort vehicle. The warning light bar must be a minimum of 43 inches and a maximum of 52 inches long, a minimum of 10 inches and a maximum of 13 inches wide, and a minimum of four inches with a maximum of eight inches high, consisting of flashing or strobe lights. Each warning light bar must consist of a minimum of four lights. If flashing lights are used, they must consist of at least two 95 and two 150 minimum flashes per minute rotators; mirrors must be placed diagonally between lights (mirrors to be reflective on both sides). All lights must be visible on a 360-degree basis from the vehicle for a distance of 1,000 feet and arranged with at least two lights in each end of the bar light. The dome cover color must be amber. The warning lights may be displayed while escorting the load in Delaware.

(i) Travel Restrictions

Permitted vehicles may move Monday through Friday, from sunrise to sunset, unless otherwise authorized or prohibited by the permit.

DelDOT may prohibit permitted vehicles from moving during morning or evening commuter travel periods and/or may authorize permitted vehicles to move during designated times between sunset to sunrise.

No movements are permitted when road conditions, weather conditions, or visibility make traveling hazardous to the operator or the driving public. If a permitted vehicle is underway when such conditions occur, the driver is required to proceed to a safe place off the roadway and park until conditions warrant safe travel.

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Permits are valid only for the route designated.

Holidays

Permitted vehicle travel is prohibited on the following holidays:

New Year's Day	Thanksgiving Day
Memorial Day	Day after Thanksgiving Day
Independence Day	Christmas Day
Labor Day	

The holiday restrictions do not apply to ship permits.

Speed limits

Vehicles and loads requiring permits may travel at the posted maximum speed limits unless specifically prohibited by the permit.

Super load and any other oversize and/or overweight moves that cannot move at the normal posted highway speeds (within 10 mph) are restricted from moves in Kent and/or Sussex County on Monday morning prior to noon and Friday afternoon after noon during the time-frame from May 15 to October 15. This restriction applies to US 9, US 13, US 113, SR 1, SR 18, SR 24, SR 26, SR 54, and SR 404.

(j) Manufactured Housing Permits

Permittees involved in the movement of manufactured homes must have an "Insurance Certificate" denoting public liability and property damage coverage. The certificate must be filed with the permit section of the Division of Highways, Department of Transportation.

(k) Annual, Extended, And/Or Other Permits

Multi-trip permits

Multi-trip permits are issued for the period beginning the first day of the month to the first day of the following month.

Utility companies may be issued a permit for piling and pole trailers. Each permit may be valid for up to four designated trailers at the time of issue.

Utility companies and governmental agencies may be issued a permit for a manned and/or unmanned aerial type single motor vehicle up to 50 feet long. Each permit is valid for an individual vehicle only.

Pole, piling, and mill stock haulers may be issued a permit for pole, piling, and mill stock movements. Each permit is valid for an individual tractor only.

Annual crane permit (blanket permits)

Delaware's annual crane permit allows the movement of cranes on designated or all unrestricted routes, or both, unless posted. The permit applies only to operators of self-propelled cranes. Separate permits are required for each unit and are non-transferrable.

To qualify for the permit, insurance must be in force for the duration of the permit, a copy of a current Delaware business license must be available for verification, and all drivers of the cranes must be licensed.

Cranes are limited to the following dimensions and weights:

- Length, 70 feet;

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- Width, 12 feet;
- Height, 13 feet 6 inches; and
- Weight:
 - Two-axles, 56,000 pounds;
 - Three-axles, 84,000 pounds;
 - Four-axles, 112,000 pounds;
 - Five-axles, 120,000 pounds; and
 - The maximum single axle weight should be 28,000 pounds in any axle configuration.

Permittees holding an annual blanket permit must comply with Delaware's oversize/overweight permit conditions, except for the following:

- In addition to moving from sunrise to sunset, self-propelled cranes can also move during the evening hours Monday through Friday, provided that the movement meets the following escort and lighting requirements:
 - If moving after normal hours and exceeding nine feet in width, or if unable to maintain posted speeds, the movement must be accompanied by a rear escort on divided highways, and both a front and rear escort on undivided highways; and
 - Warning lights must meet Delaware's oversize/overweight permit requirements.
- Self-propelled cranes are authorized to move on Saturdays before noon;
- Self-propelled cranes can operate on any of the designated holidays, as well as Saturdays after noon and on Sundays, only during confirmed emergency situations (subject to confirmation by DelDOT personnel); and
- In congested areas, DelDOT may restrict movement during morning and evening commuter travel.

Extreme emergency permits

Delaware will issue emergency movement permits in the cases of extreme emergencies. The emergency must be of an extreme nature and confirmed by a police agency. The emergency permit will allow the movement of loads and vehicles up to 14 feet in width, 100,000 pounds in weight on four axles, 108,000 pounds on five axles, or 120,000 pounds on six or more axles.

Loads must be marked for daylight hours and well-lit for nighttime hours.

(I) Sealed Containerized Cargo Permits

Permits are not issued for a reducible load with the exception of ship permits. Ship permits may be issued for oversize and/or overweight vehicles engaged in ship offloading operations conducted at the Port of Wilmington to designated locations on designated state-maintained routes exclusive of Interstate routes within two miles from the property limits of the Port of Wilmington.

III. SUPER LOADS

A super load in Delaware is vehicle and/or load that has a:

- Width of 15 feet or more;
- Height of 15 feet or more;
- Length of 120 feet or more; and/or
- Gross weight exceeding 120,000 pounds.

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These moves may require additional information, review, restrictions, and/or fees prior to issuance. Applications must be submitted at least five days in advance. Blanket permits will not be issued for super loads.

Super load movements are subject to the following:

- Permittees must provide notice to any incorporated area on the permitted vehicle's route;
- Escort, sign, and flag requirements;
- Delaware State Police must be notified 48 hours in advance of the move;
- Permittees must provide notice to the 9-1-1 office of the area by contacting the non-emergency numbers; and
- Super load moves may not be made two weeks before a holiday without permission from Traffic Engineering and Management.

Super load movements must also comply with the following conditions:

Super Load Condition	Requirements
Width	If the load is so wide that passage by it cannot occur at least every 15 minutes, the escort requirement will include sufficient Police Officers to provide diverting of traffic at reasonable points.
Height:	
15 ft and higher	Signal Supervisor approval: New Castle County, (302) 323-4488 Kent and Sussex County, (302) 739-4366
17 ft 6 in. and higher	Clearance from the appropriate utility company serving the intended route.
20 ft and higher	Super loads with a height of 20 ft or more must be scheduled so that not less than two days remain in the workweek.
Length	Prior to the issuance of a permit for a movement that is 120 ft or greater in length, permission for the movement must be obtained from the District Maintenance Engineer's for each district in which the proposed movement is to occur. <ul style="list-style-type: none"> • New Castle County, (302) 323-4485 • Kent County (302) 760-2417 • Sussex County (302) 856-5200
Weight	Applications for permits for loads that exceed a gross weight of 120,000 lb, or which involve a route across any structure which is posted with a load limit below the gross weight of the proposed movement, must be processed and approved by the Bridge Section of the Department of Transportation before being approved by the Permit Office.

Super loads and any other oversize and/or overweight moves that cannot move at the normal posted highway speeds (within 10 mph) are restricted from moves in Kent and/or Sussex County on Monday morning prior to noon and Friday afternoon after noon during the time-frame from May 15 to October 15. This restriction applies to US 9, US 13, US 113, SR 1, SR 18, SR 24, SR 26, SR 54, and SR 404.

VEHICLE SIZES & WEIGHTS MANUAL

IV. AGENCY REFERENCES

(a) Sizes and Weights

Permit agency

Delaware Hauling Permit Office
(302) 744-2700
Hours: 8 a.m.-4:30 p.m. (Eastern Time)
www.osow.deldot.gov

Regulatory agency

Same as above

Super loads

Same as above

Enforcement agency

Delaware State Police
(302) 739-5901
<http://dsp.delaware.gov/>

VEHICLE SIZES & WEIGHTS MANUAL

Reserved

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of District of Columbia must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Width:	102 in.	96 in.
Height:	13 ft 6 in.	13 ft 6 in.
Length:		
Straight Trucks	40 ft	40 ft
Truck-trailer	60 ft	N/S
Tractor-semitrailer combinations	No limit	55 ft
Tractor-twin-trailer combination	No limit	Not allowed
Semitrailer	48 ft*	N/S
Trailers of twin-trailer combinations	28 ft	Not allowed
Special limitations or restrictions	*53 ft semitrailers allowed with a permit.	
Weight:		
Single axle	22,000 lb	22,000 lb
Tandem axle	38,000 lb	38,000 lb
Gross vehicle weight	80,000 lb	80,000 lb
Tolerances	1,000 lb on GVW	1,000 lb on GVW
Special limitations or restrictions	Gross weights exceeding 73,000 lb are subject to axle weight limitations of 20,000 lb on one axle and 34,000 lb on a tandem axle	Gross weights exceeding 73,000 lb are subject to axle weight limitations of 20,000 lb on one axle and 34,000 lb on a tandem axle

VEHICLE SIZES & WEIGHTS MANUAL

Reserved

VEHICLE SIZES & WEIGHTS MANUAL

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

All vehicles which exceed the legal size and weight limits must obtain a Special Hauling Permit from the Department of Public Works prior to making any movement in the District of Columbia. However, pole trailers transporting poles, pipes, or structural material in the daytime or at night for emergencies need not obtain a permit unless the material exceeds 80 feet in length.

Permits will not be issued for oversize or overweight loads that can be reduced or loaded within the legal size and weight limits.

Special permits for oversize and overweight movements may be obtained in person, by letter, or by phone from the Director of Highways, Department of Public Works. Permits are also available through J. J. Keller & Associates, Inc.'s 24-hour trip permit service at (800) 231-5266.

(b) Fees

- Single Trip: \$30.00 one way or \$50.00 roundtrip
- Tractor Trailer: \$85.00 per year
 - Restriction: A Single Trip permit will be required instead of an annual tag if:
 - Total length (including tractor, trailer, and load) is over 70 feet long
 - Total Height (including load) is over 13 feet – 6 inches tall
 - Total width (including load) is over 8 feet - 6 inches wide
- Truck Crane or Concrete Pump Truck: \$85.00 per year
 - Restriction: A Single Trip permit will be required instead of an annual tag if:
 - The total width is greater than 11 feet
 - The gross vehicle weight exceeds 120,000 pounds
- Dump Truck, Cement Mixer & Trash Truck up to 65, 000 pounds: \$1,193.00 per year
 - Restriction: A Single Trip permit will be required if:
 - The total gross weight exceeds 65,000 pounds.

(c) Insurance Requirements

Permittees will be held liable for all damages that may be caused to the highway or structures as a result of any oversize or overweight movement.

If the driver is not the owner of the vehicle or combination, but is operating with the express permission and instruction of the owner, then the driver and the owner shall be jointly liable for any damage to the highway or highway structures.

The Director of Highways is authorized to require a bond or security deposit to compensate for any damage to the highway or highway structures caused by the oversize or overweight movement.

(d) Permitted Vehicle Limitations

Routes of travel may be determined by the Highway Department. All movements shall follow the routes listed on the permit at the required speed, if shown.

There are no specific maximum limits for oversize movements. The maximum width, height and length allowed will depend upon the specific routes traveled.

VEHICLE SIZES & WEIGHTS MANUAL

Although there are no specific maximum limits for overweight movements, each permit request will be individually processed by the Department to check the feasibility of issuance in relation to the routes and bridges that are to be used. Generally, the maximum weight limit for a single axle under permit is 31,000 pounds.

Oversize

Length — Length limitations are not applicable to vehicles operated in daytime when transporting poles, pipe, machinery or other objects of a structural nature which cannot readily be dismembered.

The load upon any vehicle operated alone, or the load upon the front vehicle of a combination of vehicles shall not extend more than 3 feet beyond the foremost part of the vehicle. The load upon any vehicle operated alone, or the load upon the rear vehicle of a combination of vehicles shall not extend more than 6 feet beyond the rear of the bed or body of the vehicle.

Overweight

Any police officer having reason to believe that the weight of a vehicle and load is unlawful, may require the driver to stop and weigh the load by means of either portable or stationary scales. Furthermore, the officer may require that the vehicle be driven to the nearest public scales for weight verification.

If it is then determined that the vehicle and load is overweight, the officer may require the driver to stop the vehicle and remove a portion of the load to reduce the gross weight. Materials that have been unloaded to reduce the weight shall then be the responsibility of the owner or operator of the vehicle.

(e) Sign Requirements

There are no sign requirements for oversize and/or overweight movements.

(f) Flags and Lighting Requirements

There are no flag requirements for oversize and/or overweight movements.

When required, one light shall be energized to flash continuously at all times, and the second light shall be energized when brakes are applied, acting as a stoplight. The red warning lights must have a three-inch minimum lens diameter. One light shall be energized to flash continuously at all times, and the second light must be energized when brakes are applied, acting as a stoplight.

In respect to night transportation, every vehicle must be equipped with a sufficient number of clearance markers on both sides, as well as marker lamps upon the extreme ends of any projecting load to clearly mark the dimensions.

When a load extends more than six feet beyond the rear of the body, bed or pole trailer, at least two red warning lights must be attached to the rear most part of the overhang so that it is clearly visible to the rear. One light shall be energized to flash continuously at all times, and the second light must be energized when brakes are applied, acting as a stoplight. These lights must have a three-inch minimum lens diameter. When a vehicle with a boom is being moved, two warning lights must also be displayed on the end of the main boom.

(g) Escort/Flagperson Requirements

A police escort is required when moving the following types of oversized or overweight loads:

- Any vehicle and load that is 75 feet in total length or longer;
- Any vehicle and load 12 feet wide or wider;
- Any vehicle and load exceeding 13 feet 6 inches in height;
- Any vehicle with a total gross weight of 120,000 pounds or more; or
- Any vehicle carrying any Class 1 Explosives - Division 1.1, 1.2 or 1.3

VEHICLE SIZES & WEIGHTS MANUAL

(h) Escort Car/Company Requirements

The District of Columbia regulations do not specify escort car/company requirements.

(i) Travel Restrictions

There are no weekend or holiday restrictions for vehicles moving under special permits, unless so specified on the permit. However, there are a large number of parades, demonstrations and other special events in Washington which require street closings and traffic rerouting. These closings and reroutings apply to all vehicles, and traffic is directed by means of temporary signs.

Two events which require significant traffic rerouting and restrictions are: 1) The Cherry Blossom Festival, and 2) Presidential Inaugurations. The Cherry Blossom Festival parade occurs on a Saturday in the first half of April while the Presidential Inauguration occurs on January 20, every four years. Through truck traffic is advised to stay away from the downtown area during these times.

Through truck traffic which has no destination in Washington, D.C. is advised to completely avoid traveling through the city. The Capitol Beltway, I-495, completely circles the city and provides a more preferable route than traveling through the city.

In general, movement will not be permitted during inclement weather or when ice and snow makes travel hazardous.

No movements will be permitted for those vehicles traveling under a Type A, C or D permit on arterial streets on weekdays between 7 a.m. to 9:30 p.m. and 4 p.m. to 6:30 p.m. If a move using arterial streets is not capable of maintaining a minimum speed of 15 mph, it must be made during the hours of 10 p.m. and 6 a.m. Moves exceeding 80 feet in length or 15 feet in width will only be permitted between the hours of 10 p.m. and 6 a.m.

(j) Manufactured Housing Permits

District of Columbia regulations do not specify manufactured housing permit requirements.

(k) Sealed Containerized Cargo Permits

District of Columbia regulations do not specify sealed containerized cargo permit requirements.

III. SUPER LOADS

All loads travelling in the District of Columbia exceeding 140,000 pounds must obtain special approval.

Loads of excessive width, height, or length are considered on a case-by-case basis and may require night travel only.

All super loads must have a weight sheet submitted for review, along with a cover sheet that includes actual axle weights and spacings.

Allow at least two weeks to get an application processed.

VEHICLE SIZES & WEIGHTS MANUAL

IV. AGENCY REFERENCES

(a) Sizes and Weights

Super loads

District of Columbia Dept. of Transportation
(202) 673-6813
Hours: 8:15 a.m.-4:45 p.m. (Eastern Time)
<http://ddot.dc.gov/DC/DDOT/>

Regulatory agency

Department of Public Works
(202) 673-6833
<http://dpw.dc.gov/DC/DPW/>

Permit agency

Same as above

Enforcement agency

Metropolitan Police Department, Motor Carrier Safety Unit
(202) 698-5565
<http://mpdc.dc.gov/mpdc/site/default.asp>

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Florida must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Width:	102 in	102 in*
Height:	13 ft 6 in	13 ft 6 in
Automobile transporter semitrailers	14 ft	14 ft
Length:		
Straight Trucks	40 ft	40 ft
Truck and trailer	68 ft	68 ft
Tractor-semitrailer combinations	No limit with legal trailer limit	No limit with legal trailer limit
Tractor-twin-trailer combination	No limit with legal trailer limit	No limit*
Semitrailer	48 ft**	48 ft**
Trailers of twin-trailer combinations	28 ft***	28 ft***
Auto/boat-transporter semitrailer	50 ft (w/6-ft rear overhang)	50 ft (w/6-ft rear overhang)
Non-stinger-steered	65 ft	65 ft
Stinger-steered	75 ft	75 ft
Saddlemounts	97 ft****	97 ft****
Drawbar length	15 ft	15 ft
Special limitations or restrictions	<p>*Except on those roads posted to the contrary.</p> <p>**53-ft trailers allowed if distance between the kingpin and center of the rear axle or rear group of axles does not exceed 41 ft; allowed on all roads except roads on the State Highway System that are restricted by DOT or roads restricted by local authorities.</p> <p>***Trailers or semitrailers up to 28½ ft, which existed on December 1, 1982, and which were operated in a 65-ft combination length limit in any state, may continue to be operated on designated roads except on those roads posted to the contrary.</p> <p>****No more than 3 saddlemounts may be towed.</p>	

VEHICLE SIZES & WEIGHTS MANUAL

	On Interstate System Highways Only	On All Other State Highways
Weight:*		
Single axle	22,000 lb	22,000 lb
Tandem axle	44,000 lb	44,000 lb
Tridem axle	66,000 lb	66,000 lb
Steering axle	22,000 lb	22,000 lb
Load per inch width of tire	605 lb per inch**	605 lb per inch**
-or		
Gross wheel weight	N/S	N/S
Gross vehicle weight	80,000 lb	80,000 lb
Tolerances	10% tolerance has been included	10% tolerance has been included

*Overweight penalties may be calculated by reducing the actual gross vehicle weight or internal bridge weight by the certified weight of idle-reduction technology or by 400 pounds, whichever is less. The vehicle operator must be able to present written certification of the idle-reduction technology's weight and demonstrate or certify that the idle-reduction technology is fully functional at all times.

**Only allowed when required by permit or for those special designated single-unit vehicles listed on Table #3 dump trucks, concrete mixing trucks, garbage trucks, and fuel oil and gasoline trucks. Loading on tires should not exceed maximum load limits shown on the wall of the tire (Florida DOT will put a vehicle out-of-service for excessive weight on tires).

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Before a permit is issued, all reasonable steps must be taken to reduce the vehicle load to legal limits. Permits for overweight and overdimensional vehicles and loads are intended for a single item load which cannot reasonably be dismantled or disassembled and which cannot reasonably be shipped by rail, water, or air.

Permit requests must be received at least 10 business days before scheduled movement for non-routine permits. The applicant must complete all required fields on the permit application form.

Applications for oversize or overweight permits may be made in person, by mail or by phone to the Permit Office in Tallahassee, or via www.fdotmaint.com/PermitNew/home.asp. Trip permits may be faxed to the permittee or sent by mail. Blanket permits will be sent by mail.

The state issues two types of permits: trip permits, which may be received by mail, wire service, or walk-in; and blanket permits (annual permits), which may be received by mail or walk-in only. Trip permits cover movements from origin to destination (one trip only) and are valid for a period of seven days, while blanket permits cover movements over a given period of time not to exceed 12 months.

Blanket permits will show the hauler's headquarters, specify the type of equipment to be hauled, and authorize movement of empty vehicles in daylight hours only. Movements that are overweight or overdimensional and are not eligible for blanket permits may be given consideration on a trip basis depending upon the justification.

No movement may be made under any permit until the route has been surveyed to verify that the route can accommodate the vehicle and load. The Department is responsible for verifying the load carrying capacity of the route. The permit applicant is responsible for verifying adequate vertical (height) and horizontal (length and width) clearance. Vehicles and loads with a height greater than 15 feet shall be surveyed by a qualified escort prior to any movement. Surveying a route prior to movement of the load does not exempt the hauler from being

VEHICLE SIZES & WEIGHTS MANUAL

required to obtain a permit prior to any movement. Applications for vehicles and loads with a height greater than 18 feet and/or width greater than 22 feet must be supported by a survey letter from the hauler.

In addition to the information required for a permit application, a schematic of the vehicle showing all longitudinal and transverse spacings, axle weights, and dimensions must be provided at least 10 business days before a proposed move when the vehicle's gross vehicle weight exceeds 199,000 pounds so that a structural analysis can be performed. Applicants whose vehicles have a gross weight of less than 199,000 pounds will be required to provide a schematic when an engineer of the Office of Maintenance, Bridge Section, determines that a structural analysis is needed.

SASHTO regional permits

Effective September 1, 1994, nine southeastern states joined together allowing carriers — who need an oversize permit for operation on the highways in any of the nine states — to obtain a single permit to cover all nine states, rather than apply for separate permits in each state. Since that time additional states have joined, bringing the total to sixteen. The member states are Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, Missouri, North Carolina, Ohio, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia. There are, however, certain requirements to be met when applying for such permit.

The permit will only be issued for an “envelope” vehicle, transporting a non-divisible load, and whose dimensions cannot exceed the following:

Length:	100 ft overall
Height:	14 ft
Width:	14 ft
Weight:	120,000 lb GVW 20,000 lb Single Axle 40,000 lb Tandem Axle 60,000 lb 3 or more Axles

The permit is only available through a wire service (not the state agency); is only valid for a single trip (no return trip); and is valid for no more than 10 days, or less than 5 days. Carrier will be informed of applicable restrictions when the permit is issued. (SASHTO is the Southeast Association of State Highway and Transportation Officials.)

(b) Fees

Payment for permits shall be in cash, by cashier's check, personal or company check, money order, credit card, or bond/escrow account.

Schedule of fees for overdimension permits

OVERDIMENSION	Trip Permit - 7 Days	Multi-Trip Permit - 12 months
Straight Trucks and Semi-truck-tractor-trailer.		
Up to 12 feet wide or up to 13 feet 6 inches high or up to 85 feet long.	\$ 5.00	\$ 20.00
Up to 14 feet wide or up to 14 feet 6 inches high or up to 95 feet long.	15.00	150.00
Up to 14 feet wide or up to 18 feet high or up to 120 feet long.	25.00	250.00
Over 14 feet wide or over 18 feet high or over 120 feet long.	25.00	NOT ISSUED

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Schedule of fees for overdimension permits, Continued

OVERDIMENSION	Trip Permit - 7 Days	Multi-Trip Permit - 12 months
Qualifying semi-trailers of legal width, height, and weight, which exceed 53 feet in length (movement allowed all days and all hours).	10.00	30.00
Overlength semi-trailer with greater than 41 feet kingpin setting (legal width, height, and weight).	10.00	30.00
Truck crane or Earth handling equipment moving under own power, up to 12 feet wide or 14 feet 6 inches high, or 85 feet long.	15.00	150.00
Trailers or equipment towed with ball or pintle:		
Up to 10 feet wide or up to 13 feet 6 inches high or up to 80 feet long.	5.00	20.00
Up to 12 feet wide or up to 13 feet 6 inches high or up to 105 feet long.	5.00	330.00
Up to 14 feet wide or up to 14 feet 6 inches high or up to 105 feet long.	15.00	500.00
Over 14 feet wide or over 14 feet 6 inches high or over 105 feet long.	25.00	NOT ISSUED

NOTE: All permitted dimensions (length, height, width) must be within limits shown for permit fee.

Schedule of fees for overweight vehicles

OVERWEIGHT	Trip Permit - 7 Days	Multi-Trip Permit - 12 months
Up to 95,000 lb	\$.27 per mile	**\$240.00
Up to 112,000 lb	\$.32 per mile	**280.00
Up to 122,000 lb	\$.36 per mile	**310.00
Up to 132,000 lb	\$.38 per mile	**330.00
Up to 142,000 lb	\$.42 per mile	**360.00
Up to 152,000 lb	\$.45 per mile	**380.00
Up to 162,000 lb	\$.47 per mile	**400.00
Up to 199,000 lb	\$.003 per 1,000 pounds per mile	500.00
Over 199,000 lb	\$.003 per 1,000 pounds per mile	NOT ISSUED
Containerized Cargo Unit	\$.27 per mile	500.00
Overall Wheel Base (Inner Bridge/External Bridge)	\$10.00	35.00
Implements of husbandry, farm equipment, agricultural trailers/products and forestry equipment (local moves only)	\$5.00	\$17.00
SPECIAL PERMIT FEES		
Transmission Fee	\$5.00	NA

**Dimensions greater than 12 feet wide or 13 feet 6 inches high or 85 feet long will have an additional dimension fee with a combined fee not to exceed \$500.

VEHICLE SIZES & WEIGHTS MANUAL

NOTE: For weights over 80,000 pounds, add an administrative fee of \$3.33 for issuance of permit, which does not include the costs charged by wire services for their services. Permit fees shall be based on 25-mile increments rounded up to the nearest dollar. Example: A 112,000 pound load traveling 67.5 miles would cost (75 miles X \$0.32) plus \$3.33 = \$27.33 rounded up to \$28.00.

(c) Insurance Requirements

The permittee will be liable for any damage to state roadways and structures.

In order to obtain a permit to operate a vehicle or combination of vehicles in excess of legal height, length, width, or weight, the permittee will be required to have one of the following:

- Insurance in the amount of \$100,000 per person and \$200,000 per accident or occurrence for property damage; or
- A bond in the amount of \$100,000 per person and \$200,000 per accident or occurrence made payable to the State of Florida.

(d) Permitted Vehicle Limitations

The configuration and weight(s) of a vehicle and its load traveling under permit must match the configuration and weight(s) described on the permit and any authorized amendments to that permit.

For vehicles traveling under a trip permit, the vehicle or load must match either the truck tag number, trailer tag number, vehicle identification number, the bill of lading number, or the load identification number identified in the permit. An electronic version of a trip permit may be presented if the trip permit is readily available and legible.

For vehicles traveling under a multi-trip permit, the vehicle type and load must match the vehicle type and load described in the permit.

Under both types of permits, the permitted vehicle's size, weight, number of axles, axle spacings, and any unique characteristics must comply with the limits for that item if addressed in the permit or any amendment to that permit. Trip permits are valid only for those routes specified in the permit. Multi-trip permit vehicles are not allowed to travel on any restricted bridges or any restricted roadways identified in the permit or its attachments. No vehicle may cross any posted bridge when the vehicle exceeds the prescribed limits of the bridge.

Tire requirements

Each axle must have tires of the same size and construction. Tires must be properly inflated for the load to be carried. In no event may any tire, wheel, or rim exceed the manufacturer's maximum load-carrying limit. Tires and tire usage must be consistent with the requirements of 49 CFR §393.75.

A vehicle equipped with dual tires may have the dual tires replaced by a single tire so long as the vehicle, axle, and tire load ratings are not exceeded. No tire may exceed 550 pounds per inch of tire section width (plus scale tolerance) as defined by the rating molded in the tire sidewall.

Weight

The following list should be used in conjunction with the outline GIS routing maps (10 ft minimum spacing required between groupings unless otherwise noted).

VEHICLE SIZES & WEIGHTS MANUAL

Weight Restrictions Chart for Multi-Trip Permit Vehicles (Truck Tractor Trailer Map #1)

Minimum number of axles required	Minimum outer bridge (ft)	Maximum gross weight (pounds)	Maximum 1-axle group weight (pounds)	Maximum 2-axle group weight (pounds)	Maximum 3-axle group weight (pounds)	Maximum 4(+) axle group weight (pounds)
5	51	112,000	25,000	50,000	60,000	60,000
6	51	112,000	25,000	50,000	60,000	66,000
6	62	118,000	25,000	50,000	60,000	66,000
7	51	122,000	25,000	40,000	60,000	66,000
*7	62	127,000	25,000	40,000	60,000	66,000
*8	68	137,000	25,000	40,000	60,000	66,000
9	75	145,000	25,000	40,000	60,000	66,000
9	**90	152,000	22,000	40,000	40,000	40,000
10	**95	162,000	22,000	40,000	50,000	50,000
Sealed container, 5	51	95,000	25,000	44,000	66,000	66,000
Wrecker, 5	51	112,000	25,000	44,000	60,000	66,000
Wrecker, 7	67	132,000	25,000	50,000	60,000	66,000

*1,000 pounds may be added for each additional foot of outerbridge up to 5,000 pounds maximum.

**Minimum 13 feet 1 inch required between groupings.

The following list should be used in conjunction with the outline GIS routing maps (10 ft minimum spacing required between groupings unless otherwise noted).

Weight Restrictions Chart for Multi-Trip Permit Vehicles (Truck Tractor Trailer Map #2)

Minimum number of axles required	Minimum outer-bridge (ft)	Maximum gross weight (pounds)	Maximum 1-axle group weight (pounds)	Maximum 2-axle group weight (pounds)	Maximum 3-axle group weight (pounds)	Maximum 4(+) axle group weight (pounds)
6	51	122,000	25,000	50,000	66,000	69,000
7	55	137,000	25,000	44,000	66,000	72,000
*7	62	142,000	25,000	44,000	66,000	72,000
*8	68	152,000	25,000	44,000	66,000	72,000
8	75	160,000	25,000	44,000	66,000	72,000
9	75	160,000	25,000	44,000	66,000	72,000

*1,000 pounds may be added for each additional foot of outerbridge up to 5,000 pounds maximum.

The following list should be used in conjunction with the outline GIS routing maps (10 ft minimum spacing required between groupings unless otherwise noted).

VEHICLE SIZES & WEIGHTS MANUAL

Weight Restrictions Chart for Multi-Trip Permit Vehicles (Truck Tractor Trailer Map #3)

Minimum number of axles required	Minimum outer-bridge (ft)	Maximum gross weight (pounds)	Maximum 1-axle group weight (pounds)	Maximum 2-axle group weight (pounds)	Maximum 3-axle group weight (pounds)	Maximum 4(+) axle group weight (pounds)
**9	90	185,000	22,000	44,000	54,000	54,000
**9	95	195,000	22,000	44,000	54,000	54,000
**10	95	197,000	22,000	44,000	54,000	54,000
**11	100	199,000	22,000	44,000	54,000	54,000

**Minimum 13 feet 1 inch required between groupings.

Width

Vehicles up to 10 feet

- Permits — Trip or multi-trip permit.
- Markings — Flags required.
- Other — Movement is permitted during daylight hours only all days.

Vehicles over 10 feet up to 12 feet

- Permits — Trip or multi-trip permit.
- Markings — Flags and warning signs required.
- Lights — Warning lights required.
- Other —
 - Movement is permitted during daytime hours only, excluding weekends and holidays.
 - Except for local moves, this is the maximum width allowed on a straight truck.

Vehicles over 12 feet up to 14 feet

- Permits — Trip or multi-trip permit.
- Markings — Flags and warning signs required.
- Lights — Warning lights required.
- Escorts — Minimum of one escort vehicle is required at all times.
- Other —
 - Movement is permitted during daytime hours only, excluding weekends and holidays. Except for local moves, minimum 26,001 pound registered GVW vehicle is required.
 - All manufactured buildings, manufactured homes, mobile homes, modular buildings, sheds, and swimming pools must use a minimum of four warning lights mounted, with two in the front and two in the rear at each corner of the towed or hauled unit.
 - All other loads shall have a minimum of two warning lights mounted with one on the front and one on the rear of the load.

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- On roadway lanes less than 12 feet wide, bridges with less than 30 feet curb to curb, and in rural areas with traffic volume greater than 12,000 Average Daily Traffic (ADT) per lane or in urbanized areas (more than 50,000 population) with ADT greater than 8,000 vehicles per lane, two qualified escorts are required except on loads with a minimum of four warning lights mounted two in the front and two in the rear of the towed or hauled unit.
- No movement will be allowed in congested areas during peak traffic hours.

Vehicles over 14 feet up to 16 feet

- Permits — Trip permit only.
- Markings — Flags and warning signs required.
- Lights — Warning lights required.
- Escorts — Two qualified escorts are required at all times, one in the front and one in the rear of the load.
- Other —
 - Movement is permitted during daytime hours only, excluding weekends and holidays. Except for local moves, minimum 26,001 pound registered GVW vehicle is required.
 - All loads consisting of manufactured buildings, manufactured homes, mobile homes, modular buildings, sheds, and swimming pools shall use a minimum of four warning lights mounted with two on the front and two on the rear at each corner of the towed or hauled unit.
 - All other loads must have a minimum of two warning lights mounted with one on the front and one on the rear of the load.
 - Two lane roadways shall not be used as a connector route whenever viable four lane routes are available. Requests for two lane roadways as connector routes may require justification from the customer and ultimate approval from the Department. No movement will be allowed in congested areas during peak traffic hours.
 - The maximum width for manufactured buildings is 16 feet.

Vehicles over 16 feet

- Same criteria for “Vehicles over 14 feet up to 16 feet” except that movement will be restricted to local moves.
- Other —
 - Applications for permits over 16 feet wide are subject to review.
 - Two qualified escorts are required when traveling on a limited access facility during daytime hours only.
 - One law enforcement escort and one qualified escort are required when traveling on a limited access facility during nighttime hours.
 - Two law enforcement escorts are required at all times when traveling on state maintained roadways (excluding limited access facilities).
 - Items must be moved by rail, air, or water when possible.
 - Trip permit requests for vehicles over 22 feet wide will require an affidavit verifying that the proposed route has adequate horizontal clearance to accommodate the requested width in addition to two feet on each side.

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Height

Vehicles up to 14 feet 6 inches

- Permits — Trip or multi-trip permit.
- Other —
 - Movement is permitted during all days and all hours.
 - Except for local moves, this is the maximum height for loads hauled on straight trucks.

Vehicles over 14 feet 6 inches up to 16 feet

- Permits — Trip or multi-trip permits.
- Markings — Flags and warning signs are required.
- Lights — Warning lights are required. A minimum of two warning lights are required with one mounted on the front and one on the rear of the load.
- Other —
 - Movement is permitted during daytime hours only, excluding weekends and holidays. Movement is restricted to local moves only.
 - Trip permit requests for movement of vehicles over 15 feet high will require an affidavit verifying the proposed route has clearance to accommodate the request height plus six inches.
 - One escort must precede the load with a vertical height indicator.
 - Appropriate utility personnel will also be required whenever the load will encounter low barriers, such as overhead structures, traffic signals, and low wires.

Vehicles over 16 feet

- Permits — Trip or multi-trip permits; multi-trip permits limited to vehicles up to 18 feet.
- Markings — Flags and warning signs are required.
- Lights — Warning lights are required. A minimum of two warning lights are required with one mounted on the front and one on the rear of the load.
- Other —
 - Movement is permitted during daytime hours only, excluding weekends and holidays.
 - Movement is limited to local moves only.
 - One law enforcement escort with a vertical height indicator must precede the load when traveling on a limited access facility.
 - One law enforcement escort, in addition to one qualified escort, is required when traveling on state-maintained roadways (excluding limited access facilities). The qualified escort must precede the load with a vertical height indicator.
 - Appropriate utility personnel will also be required whenever the load will encounter low barriers such as overhead structures, traffic signals, and low wires.

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Length

Vehicles up to 80 feet

- Permits — Trip or multi-trip permits.
- Other —
 - Movement is permitted all days and all hours.
 - Rear overhang is limited to a maximum of 10 feet during nighttime movement unless otherwise stated on the permit.
 - When overhang exceeds 4 feet, a warning light is required on the top of the vehicle. At the extreme rear of the load there must be two red lamps and two red reflectors on each side of the load. Each required warning lamp shall be visible from a distance of at least 500 feet.

Vehicles over 80 feet

- Permits — Trip or multi-trip permits.
- Markings — Flags and warning signs are required.
- Lights — Warning lights are required, a minimum of two warning lights are required, one on the front and one on the rear of the load.
- Other —
 - Movement is permitted during daytime hours only, excluding weekends and holidays.
 - No movement will be allowed in congested areas during peak traffic hours for vehicles over 85 feet in length.
 - Truck tractor semitrailers with three points of articulation are allowed up to 105 feet in length without an escort.
 - One qualified escort is required when the length exceeds 95 feet.
 - Two qualified escorts are required when the length exceeds 150 feet unless the vehicle is traveling on a limited access facility, then only one qualified escort is required.
 - One law enforcement escort and one qualified escort are required when the length exceeds 250 feet.
 - Maximum length for a manufactured home, tractor combination is 105 feet provided the length of the towed housing does not exceed 81 feet, including all overhangs and tongue.

Self-propelled Equipment

- Permits — Trip or multi-trip permits.
- Markings — Flags are required.
- Lights — One warning light is required.
- Other —
 - Boom must be fully retracted.
 - Nighttime movement requires that the front overhang has a minimum of 80 inches clearance above the roadway. In addition, no movement is allowed on limited access facilities with units designed for off-road use.
 - Total length up to 60 feet:
 - If the front overhang is over three feet up to nine feet, movement is permitted on all days, all hours. A warning light must be mounted at the extreme end of the protrusion in such a way to be seen by all approaching traffic.

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- If the front overhang is over nine feet, movement is permitted all days during daytime hours only. A warning light must be mounted at the extreme end of the protrusion in such a way to be seen by all approaching traffic.
- Total length over 60 feet up to 85 foot maximum:
 - Movement is permitted during daytime hours only, excluding weekends and holidays. A warning light must be mounted at the extreme end of the protrusion in such a way to be seen by all approaching traffic.

Multiple Loading

- Permit — Trip or multi-trip permits.
- Other —
 - Permits will be issued provided that multiple loading does not cause the dimensions of the load to exceed the legal width, height, and length, and that the multiple loading does not cause the gross vehicle weight to exceed the legal weight limits.
 - Legal weight may be exceeded when the gross vehicle weight does not exceed 100,000 pounds and no more than two overlength items are being carried by the permitted vehicle.
 - Vehicles will only be allowed to exceed the gross vehicle weight limits when:
 - Attachments (e.g. blade, rake, bucket, counterweights) that are a normal part of the equipment have been removed to reduce the size of the load for safety reasons (multiple attachments may be transported if they are attachable to the equipment and necessary for operation); and
 - The gross vehicle weight does not exceed 100,000 pounds and no more than two overlength items are being hauled.

Designated Permits

- Movement of an empty truck tractor semi-trailers up to 11 feet in width and not over 105 feet in length, traveling on or within five miles of limited access roadways, when operating with an existing valid permit will be allowed to travel during nighttime hours. Warning lights are required to be mounted in such a way as to be seen by all approaching traffic. Extra axles and stingers may be hauled on the trailer to reduce overall dimensions for safety purposes.
- Semi-trailers greater than 53 feet up to 57 feet 6 inches in length may haul a divisible load when operating in a truck tractor semi-trailer combination with a valid trip or multi-trip permit.
- Truck tractor semi-trailer combinations hauling automobiles/boats may obtain a trip or multi-trip permit when the semi-trailer is greater than 50 feet up to 53 feet with an overall length not to exceed 80 feet inclusive of any overhang. This applies to both stinger and non-stinger steered vehicles.
- Straight truck and trailer combinations hauling automobiles/boat may obtain a trip or multi-trip permit when the trailer exceeds 28 feet with an overall length not to exceed 80 feet. No overhang is allowed.
- Trip or multi-trip permits will be issued to truck tractor semi-trailers combinations to deviate from inner-bridge requirements when traveling on interstate highways and when the permit application rules are met. These vehicles are not allowed to exceed the external bridge or axle weight limitations.

(e) Sign Requirements

Vehicles or loads exceeding 10 feet in width, 80 feet in length, or 14 feet 6 inches in height must display two warning signs.

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Each OVERSIZE LOAD warning sign must:

- Consist of black letters 12 inches high with a brush stroke of not less than 1½ inches wide on a yellow background;
- Have a total dimension of at least seven feet long by 18 inches high; and
- Be either bumper mounted or roof mounted (if one of the signs is roof mounted then the other sign must be at the rear of the towed unit or at the rear of the load).

Voids (holes) may be cut in warning signs as signs must not cover any vehicle light or reflector.

(f) Flags and Lighting Requirements

Flags

Flags must be clean, have high visibility, and must measure at least 18 inches square. Flags must be displayed so as to wave freely on all four corners of the vehicle and at the extreme ends of all protrusions, projections, or overhangs.

Lights

Vehicles or loads exceeding 10 feet in width, 80 feet in length (or over three feet of front overhang for self-propelled equipment), or 14 feet 6 inches in height must have warning lights that are:

- High visibility rotating, strobe or flashing amber warning lights; and
- Mounted so as to be seen by all approaching traffic at a distance of at least 500 feet.

(g) Escort/Flagperson Requirements

Escort car requirements

No escort or escort vehicle may be used to perform any other function that could distract from the escort responsibilities. The total number of escorts required will be determined based upon safety considerations.

If one escort is required for an over width load, the escort will precede the load on two lane highways or follow the load on four lane divided highways. If two escorts are required, one must precede the load and one must follow.

If the load is over length only, the escort vehicle will be in the rear of the load at all times. Escorts must operate no more than 300 feet in front of or behind the load unless road conditions or permit stipulations dictate otherwise. Escort vehicles in the process of escorting a permitted vehicle or load must proceed through weigh stations and must not bypass such stations.

Flagperson requirements

Escorts are required to watch and direct traffic or the load to ensure public safety. Escorts may, when actively escorting permitted loads, perform necessary traffic control functions.

(h) Escort Car/Company Requirements

Escort vehicles must be a single unit vehicle with a gross vehicle weight rating of at least 2,000 pounds and less than 26,000 pounds. The vehicle must be properly licensed, registered, and operated by a qualified escort.

Identification signs or placards showing the name of the company or the owner or driver of the escort vehicle must be in a conspicuous place on both the right and left sides of the escort vehicle. The signs or placards must be at least eight inches by 12 inches, or contain the equivalent square inches, and must contain the telephone number of the owner or driver plainly legible and visible to the motoring public.

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Escort certification

Escorts accompanying overdimensional loads are limited to:

- Law enforcement escorts;
- Escorts qualified by another state, provided that the other state has equal or more stringent standards as those required by Florida for qualified escorts and the escort has been qualified or re-qualified within the past four years; or
- Qualified escorts that:
 - Are at least 18 years of age and possess a valid driver's license;
 - Have successfully completed a minimum eight-hour defensive driving course as provided by a National Safety Council qualified instructor (not employed by the escort service), or possess a valid Commercial Driver License class A, B, or C;
 - Have successfully completed a minimum eight-hour pilot/escort flagging course;
 - Maintains in his/her possession a copy of the qualification document(s) verifying completion of the required qualification courses; and
 - Are requalified every four years by successfully completing a four-hour Department-approved refresher course.

Escort car signs, flags, and lights

All qualified escort vehicles must be equipped with high visibility rotating, strobe, or flashing class 2 warning lights mounted to be seen at a distance of at least 500 feet.

Escort vehicles must display either a bumper mounted or a roof mounted yellow sign (or may display both) reading OVERSIZE LOAD with black letters with a minimum brush stroke of 10 inches high and 1 ½ inches wide, which must be visible from front and rear.

Two flags, either red or fluorescent orange in color, which must be at least 18 inches square, must be mounted at approximately a 40 to 70 degree angle on the escort vehicle's roof rack.

During escort operations, all escort vehicles must be equipped with the following equipment in working order:

- Operable two-way electronic communications (qualified escorts must be in radio contact with load drivers at all times during movements);
- Two fire extinguishers (minimum five pounds each);
- STOP/GO or STOP/SLOW paddles a minimum 18 inches in diameter with six-inch high letters;
- A high visibility, fluorescent class 2 safety vest for flagging during daytime hours or a high visibility, fluorescent class 3 safety vest when flagging at night;
- One hand-held flag, either red or fluorescent orange in color, which must be at least 12 inches square;
- Two warning signs (yellow with black lettering) with a minimum brush stroke of 12 inches high and 1 ½ inches wide. Each warning sign must have a total dimension of not less than 7 feet long by 18 inches high. These signs must be used in the event the permitted vehicle or load loses its sign(s);
- Three 36-inch traffic cones (reflective if used at night); and
- For over height loads, the lead vehicle must have a vertical height indicator, manufactured of non-conductive and non-destructive material and positioned at a height of at least six inches above the height of the load being escorted.

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(i) Travel Restrictions

Permitted oversize and overweight vehicle movement must be made during daytime hours, the period one-half hour before sunrise to one-half hour after sunset. Movement is prohibited on Saturdays and Sundays.

Certain movements are allowed during weekends. Movement is prohibited when horizontal visibility is less than 1,000 feet. Vehicles which are underway when inclement weather occurs must exit the road at the first available location and park until the weather clears or road conditions improve.

Nighttime travel may be allowed under certain circumstances; contact the Department for details.

All vehicles, including vehicles equipped with an automatic vehicle identification system, must stop at the weigh stations.

Holidays

Movement is prohibited on Saturdays, Sundays, and the following legal holidays:

New Year's Day	Labor Day
Memorial Day	Thanksgiving Day
Independence Day	Christmas Day

Holidays may include the day before and the day after Thanksgiving, Christmas, and New Year's. Movement may be allowed up to noon on Saturday depending upon circumstances (trip permit only). At the request of local authority, movement may be allowed all days, all hours.

(j) Manufactured Housing Permits

Trip or multi-trip permits may be issued to transport manufactured housing, mobile homes, modular buildings, and sheds.

The maximum length for a manufactured home, tractor combination is 105 feet provided the length of the towed housing does not exceed 81 feet, including all overhangs and tongue.

All manufactured buildings, manufactured homes, mobile homes, modular buildings, and sheds must use a minimum of four warning lights mounted, with two in the front and two in the rear at each corner of the towed or hauled unit.

(k) Annual, Extended Period, And/Or Other Permits

Annual and extended period (blanket) permits are available as noted above.

(l) Sealed Containerized Cargo Permits

Sealed containerized loads being moved via a truck or trucks and rail in conjunction with a maritime shipment will be considered a "nondivisible" load, eligible for an overweight or overdimensional permit, when the following conditions are met:

- The sealed containerized load does not transport hazardous waste or hazardous materials which require placarding;
- The sealed containerized load is being moved by a vehicle qualified to do so under the provisions of this rule:
 1. From a maritime port to the destination point; or
 2. From a maritime port to a railroad facility for movement to the destination point; or
 3. From the point of origin to a maritime port; or

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4. From the point of origin to a railroad facility for movement to a maritime port; and
- The sealed containerized load retains the original unbroken seal or a replacement U.S. Customs' seal throughout its transit until reaching its destination point.

The operators of vehicles transporting sealed containerized loads by permits must at all times have on board at least one of the following documents under their control and available for inspection:

- A short form master bill of lading;
- A copy of an electronically transmitted way bill; or
- A completed U.S. Customs Service Authority to move (Form 75-12) valid for the permitted load.

The document(s) (hard copy) must include the following readily identifiable information:

- Consignor;
- Point of origin;
- Consignee;
- Point of destination;
- Either the number of the packer's cargo seal or the number of the U.S. Customs seal; and
- A statement that the load being transported does not contain any hazardous waste or hazardous materials which require placarding per 49 CFR Part 172, Subpart F.

Because of the nature of the load to be carried and the potential for increased wear to the highway from vehicles so loaded, no straight truck is eligible for a permit to haul sealed containerized loads.

When applying for a trip or multi-trip permit to transport sealed containerized loads, the hauler must furnish all relevant details on the proposed move to the Department's Permit Office. At a minimum, this must include:

- Maximum gross weight;
- Axle spacing (center to center of each axle);
- The total number of axles and total weight on each axle of the vehicle/vehicle combination;
- The origin and destination of the highway move (for trip permits);
- Either the number of the packer's cargo seal or the number of the U.S. Customs' seal; and
- The State highway(s) requested to be traveled (for trip permits).

All vehicles operating under a sealed container permit must:

- Not exceed 112,000 pounds overall gross vehicle weight;
- Meet the minimum axle spacing requirements described in the permit;
- Have a minimum of five load-bearing axles in operation at all times during movement; and
- Have an outer bridge length of 51 feet or greater.

III. SUPER LOADS

Loads over 15 feet wide, 15 feet high or 150 feet long are considered super loads in Florida.

Applications must be submitted in writing with information including axle spacings, weights and proposed route.

A height survey is required for all loads over 15 feet high.

Allow 10 days for processing.

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IV. AGENCY REFERENCES

(a) Regulatory Agency

Florida Department of Transportation
Permit Office
605 Suwannee St., MS 62
Tallahassee, FL 32399-0450
(850) 410-5777
Fax: (850) 487-3858

(b) Permit Agency

Same as above.

(c) Enforcement Agency

Florida Department of Transportation
Office of Motor Carrier Compliance
325 John Knox Rd.
Tallahassee, FL 32303
(850) 245-7920

Bureau of Weights
1815 Thomasville Rd.
Tallahassee, FL 32303
(850) 488-5140

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Georgia must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Width:	102 in	102 in
Height:	13 ft 6 in	13 ft 6 in
Auto Transporter	14 ft	13 ft 6 in
Length:		
Straight truck	N/S	N/S
Tractor-semitrailer combinations	No limit w/legal trailer (inc. National Highway System (NHS) routes)	100 ft unless otherwise limited. Such routes will be posted – except NHS routes
Semitrailer	53 ft	53 ft (unless route is posted otherwise)
Tractor-semi-trailer-trailer combination	No limit	100 ft
Combination Trailer	28 ft	28 ft
Auto/Boat Transporter	No limit	100 ft** — unless otherwise limited. Such routes will have signs posted.
Each Unit	56 ft	56 ft
Maxi-Cube combination	65 ft	65 ft
Cargo Box	34 ft	34 ft
Pair of Cargo Boxes	60 ft	60 ft
Saddlemount combination	97 ft	97 ft

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	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Special limitations or restrictions	<p>*On interstate and NHS routes, single-piece loads may be transported on an extendable semitrailer that exceeds 53 ft, provided that no pieces will be loaded end to end and the semitrailer does not exceed 75 ft in length; on roads other than the interstate and NHS routes, the same rules apply, except that the overall length cannot exceed 100 ft. Empty extendable semitrailers or extendable semitrailers transporting a single-piece load of 53 ft or less are required to maintain a semitrailer length of 53 ft or less. When the semitrailer is extended, the rear extremity of each extendable semitrailer or load must be marked with a 4-in. multidirectional amber strobe light and with 18-in. bright red or orange warning flags on the rearmost of the load or semitrailer.</p> <p>**Federal allowances for auto/boat overhang of 3 ft over the front and 4 ft over the rear shall be inclusive of overall length.</p>	
Weight:*		
Single axle	20,340 lb	20,340 lb
Tandem axle	34,000 lb (Exception: If vehicle is less than 55 ft long and gross weight is less than 73,280 lb, will allow 40,680 lb)	40,680 lb
3 axles	Federal bridge formula**	61,020 lb
4 axles	Federal bridge formula**	70,000 lb
Load per inch width of tire -or-	N/S	N/S
Gross wheel weight	N/S	N/S
Gross vehicle weight	80,000 lb maximum subject to bridge formula***	80,000 lb maximum, subject to state bridge formula***

*Any vehicle that exceeds gross or allowable axle weight, but that utilizes idle reduction technology, will have a penalty calculated by reducing from the actual gross weight, single axle weight, tandem axle weight, or the allowed weight on any group of two or more axles the manufacturer's certified weight of the idle reduction technology or 400 lb, whichever is less. The operator must present written certification from the manufacturer specifying the weight of the unit and demonstrate that the unit is fully functional at all times.

**For any group of 2 or more axles, the bridge formula will be applied to determine the allowable weight.

***No lift axle may be used in computing allowable gross weight.

On other state highways, certain commodity-specific tolerances apply. Contact Georgia Motor Carrier Compliance Division for more information.

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

All operators of vehicles that exceed the legal size and weight limits must obtain a permit from the State Department of Transportation prior to making any movement in the State of Georgia. Permits will not be issued for oversize and overweight movements that can be dismantled or separated. All vehicles requiring a permit for travel will follow conditions set forth by State 672 Rules and Regulations. These codes may be obtained from the Department of Transportation.

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Applicants may apply for oversize or overweight permits by mail, online, or in person to the Georgia Department of Transportation Oversize Permit Unit.

SASHTO regional permits

The Southeast Association of State Highway and Transportation Officials (SASHTO) is a group of states that allows a carrier to obtain a single permit to cover all states, rather than apply for separate permits in each state. The SASHTO member states are Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, Missouri, North Carolina, Ohio, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.

The permit will only be issued for an “envelope” vehicle, transporting a non-divisible load, and whose dimensions cannot exceed the following:

Length:	100 ft overall
Height:	14 ft
Width:	14 ft
Weight:	120,000 lb GVW 20,000 lb Single Axle 40,000 lb Tandem Axle 60,000 lb 3 or more Axles

The permit is only available through select permit services, is only valid for a single one-way trip, and is valid for no more than 10 days, or less than five days. Carriers will be informed of applicable restrictions when the permit is issued.

(b) Fees

The following are current types of oversize and overweight permits issued for loads in the State of Georgia.

Single trip permits

May only be used once for movement during the times specified on permit; must include a description of the load; name of transporter; origin and destination, route of travel and insurance provider information.

Single trip permits are valid for no more than 10 days.

Standard Single - \$30

- Width & height limit of 16 ft
- Weight limit of 150,000 lb

There will be no amendments issued to a permit.

Continuous travel allowed for loads with a gross weight of 125,000 pounds and no dimensions except during weather conditions and holidays.

Credit card use is accepted by the oversize permit unit and is offered as an option of convenience. The service carries a \$7 charge.

Multitrip permits

Authorizes the permitted load to return to its original destination on the same permit, if done so within 10 days, with the same vehicle configuration, and following the same route. Issued for loads up to 16 feet wide, 16 feet high, 100 feet long, or 150,000 pounds.

Multitrip permits - \$100

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Six-month permits

Six-month permits - \$25

Six-month permits may be issued for loads of tobacco or unginned cotton. The width cannot exceed nine feet and height and length must be legal.

Annual permits

Annual permits are good for one year, and are interchangeable within the same company as long as the original is in the transporting vehicle at the time of the move. These permits may be used for a predefined load description that is not divisible, and does not exceed any dimension specified on the permit.

Standard Annual - \$150

Width limit	Vehicle width, 102 in Load width, 122 in
Height limit	14 ft 6 in
Gross weight limit	100,000 lb
Single axle weight limit	25,000 lb
Load length limit	100 ft 0 in
A 40-ft box container is allowed a gross weight of 100,000 lb on a 5-axle tractor/trailer combination. A 20-ft box container is allowed 80,000 lb with a tandem weight of 44,000 lb. A 20-ft box transported on a 40-ft center mount or center-mount triaxle trailer is allowed a vehicle gross weight of 100,000 lb on a 5 or more axle tractor/trailer.	

Annual Permit Plus - \$500

Vehicles and loads that meet the requirements for an annual permit may apply for a special permit to carry wider loads on the National Highway System. The wider load limits may be a maximum of 14 ft wide from the base of the load to a point 10 ft above the pavement and 14 ft 8 in. for the upper portion of the load.

Annual Commercial Wrecker Emergency Tow Permit - \$500

An annual commercial wrecker emergency tow permit is available for vehicles towing disabled, damaged, or wrecked commercial vehicles even though such wrecker or its load exceeds the maximum limits.

Permits are limited to:

- Single axle weight up to 21,000 pounds;
- Tandem axle weight up to 40,000 pounds; or
- Total length up to 125 feet.

(c) Insurance Requirements

For loads where the gross vehicle weight is less than or equal to 10,000 pounds:

- For bodily injury, a limit of \$50,000 per person for injury or death as a result of any one occurrence; and
- For property damage, a limit of \$50,000 for damage to property of others in any one occurrence.

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For commercial motor carriers where the gross vehicle weight is greater than 10,000 pounds:

- For bodily injury, a minimum of \$300,000 for each person and \$1 million for multiple person for injury or death as a result of any one occurrence; and
- For property damage, a minimum of \$1 million for damage to property of others in any one occurrence.

No person shall drive or operate any vehicle or load on the highway in such a manner that it causes damage to the highway or structures. If damage or personal injury should occur as a result of the oversize or overweight movement, the permittee will be held liable for all costs. Furthermore, the applicant agrees to hold the Department of Transportation harmless from all suits, claims, damages, or proceedings of any kind that may result from the oversize or overweight movement.

(d) Permitted Vehicle Limitations

All permitted oversize and overweight movements shall maintain a minimum distance of 50 feet between other oversize vehicles while traveling on state or federal highways. In addition, when the normal flow of traffic becomes impeded, the vehicle or load shall pull off the road to allow the congested traffic to pass.

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Reserved

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The non-divisible requirement for the issuance of oversize load permits do not apply and permits will be granted to loads of cotton, tobacco, concrete pipe, and plywood that does not exceed nine feet in width and to loads of round bales of hay that do not exceed 11 feet when such loads are not moved on roads that are not part of the National System of Interstate and Defense Highways.

The width and length limitations do not apply to the following loads and vehicles, which may exceed such limitation without a permit: farming or agricultural equipment or forest management equipment when such vehicle or equipment is being operated during daylight hours upon a public road not part of The Dwight D. Eisenhower System of Interstate and Defense Highways by dealers or by the owner thereof or his/her agent within a radius of 40 miles of the property of the dealer or owner.

(e) Sign Requirements

On all permitted loads, a sign must be mounted on the front of the escort vehicle (for a front escort) and to the rear of the escort vehicle (for a rear escort). Such sign must read OVERSIZE LOAD with the backboard at least one foot high and six feet wide. The letters must be black on an orange or yellow backboard, and be at least eight inches high and four inches wide.

OVERSIZE LOAD signs must be mounted on both the front of the vehicle and the rear of the vehicle or load over 8 feet 6 inches wide, 13 feet 6 inches high, and 100 feet in length. Signs must be removed when an oversize load is no longer being transported by a vehicle that exceeds the legal dimensions.

(f) Flags and Lighting Requirements

Flags

Red warning flags measuring 18 inches square must be displayed at the corners of both sides of such overwidth vehicle or load, at both the front and rear thereof.

Lights

During the movement of all permitted loads it is required that all warning lights on the truck, transport vehicle, and unit be operating.

Amber lights are required in certain circumstances. An amber light is a flashing or revolving light at least eight inches in diameter, with a minimum candlepower of 35,000 lumens or equivalent, four-inch strobe light that flashes so as to be visible from a distance of not less than one quarter mile.

When the width exceeds 12 feet up to and including 14 feet 8 inches, amber lights are required for travel on a two-lane roadway. If the length exceeds 75 feet up to an including 100 feet, amber lights are required at all times.

(g) Escort/Flagperson Requirements

Escort car requirements

Escorts are required as follows:

Load Information	Escort Requirements
Width exceeding 12 ft up to and including 14 ft 8 in.	Front escort and rear escort/amber lights is required for travel on a two-lane roadway. Rear escort only required on four-lane highway.
Width exceeding 14 ft 8 in. up to and including 16 ft	Front escort and a rear escort is required for travel on a two-lane roadway. Rear escort is required for movement on a limited access highway.

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Load Information	Escort Requirements
Height 15 ft 6 in. or greater	Front escort with height sensor.
Length exceeding 75 ft up to and including 100 ft	Rear escort/amber lights.
Length exceeding 100 ft up to and including 125 ft	Rear escort.
Length exceeding 125 ft	Front and rear escorts.

Escort vehicles are also required as follows:

1. Boats and heavy equipment over 75 feet long - Rear escort vehicle required, or in lieu thereof, a revolving amber light or four-inch amber strobe light located on the rear most point of the load.
2. Boats and heavy equipment any length and over 12 feet wide - Front and rear escort vehicles required. While traveling on the Interstate, only a rear escort vehicle is normally required. If on a four-lane non-Interstate highway with a load less than 14 feet 9 inches wide only a rear escort is required.
3. Houses - Front and rear escort vehicles required, with the front escort vehicle being a police vehicle with blue lights.
4. Manufactured Homes, Modular Homes, Portable Buildings and Sectional Houses:
 - Units up to and including 12 feet wide and not to exceed a maximum length of 100 feet - a rear escort vehicle is required, or in lieu thereof, a revolving amber light or four-inch amber strobe light on both rear corners of the load.
 - Units in excess of 12 feet wide not to exceed 14 feet 8 inches wide and 100 feet overall length - a front and rear escort vehicle with an amber light is required on a two-lane road, and a rear escort vehicle only when on a four lane or more road including the Interstate system. On a two-lane road as well as on the interstate / amber revolving or four-inch amber strobe lights may be used in lieu of the rear escort vehicle.

Flagpersons

During the movement of an over-dimensional load/vehicle, a pilot/escort driver, in the performance of the flagging duties, may control and direct traffic to stop, slow, or proceed in any situation(s) where it is deemed necessary to protect the motoring public from the hazards associated with the movement of the over-dimensional load/vehicle. The pilot/escort driver, acting as a flagger, may aid the over-dimensional load/vehicle in the safe movement along the highway and must:

- Assume the proper flagging position outside the pilot/escort vehicle, and as a minimum standard, have in use the necessary safety equipment as defined in the Oversize/Overweight Load Escort Vehicle Operator Certification Program student handbook;
- Use "Stop/Slow" paddles or a 24-inch red square flag to indicate emergency situations, and other equipment as defined in the Oversize/Overweight Load Escort Vehicle Operator Certification Program student handbook; and
- Comply with the flagging procedures and requirements as set forth in the Manual of Uniform Traffic Control Devices (MUTCD) and the Oversize/Overweight Load Escort Vehicle Operator Certification Program student handbook.

(h) Escort Car/Company Requirements

Escort vehicles must be a:

- Truck of at least one-quarter-ton-rated capacity but not more than 17,000 pounds gross vehicle weight rating; or

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- Passenger vehicle of not less than 2,000 pounds gross weight.

Equipment must not reduce visibility or mobility of pilot car/escort vehicle while in operation.

Escort vehicle must be equipped with outside rear-view mirrors, located on each side of the vehicle.

Escort vehicles are not permitted to pull a trailer of any kind nor carry a load.

No passengers or pets are allowed in pilot/escort vehicle during movement of oversize loads, except for a certified individual in training status.

Pilot/escort vehicles must be equipped with a two-way radio capable of transmitting and receiving voice messages over a minimum distance of one-half mile. Radio communications must be compatible with accompanying pilot/escort vehicles, permitted vehicle operator, and police escort, when necessary. When operating with a police escort, a CB radio is required.

Escorts must be equipped with the following safety items:

- Height pole indicators are required for front escort vehicles for overheight moves in excess of 15 feet 6 inches. The height pole must be non-conductive and nondestructive to overhead clearances. The height pole must be extended between three and six inches above the maximum height of the oversize load, to compensate for the affect of wind and motion. When not in the act of escorting an oversize load move, or pre-running a route to determine height acceptance, the height pole must be removed, tied down, or otherwise reduced to legal height;
- Two-way radio contact with driver of oversize/overweight load and other driver(s);
- Stop/Slow Paddles at least 18 inches by 18 inches with six-inch high letters, octagonal, and mounted on a rigid handle. For portability, a one-foot handle may be used, but if mounted on a long staff, a seven-foot mounting height is recommended. For more visibility, a 24-inch by 24-inch sized sign or high-intensity flashing stop/slow paddle may be used. For nighttime travel moves, signs must be reflective in accordance with MUTCD standards;
- Escort operators must wear an approved safety helmet/hardhat when performing duties outside of the vehicle;
- Escort operators must wear an approved safety vest or shirt or coat while flagging. Approved colors are orange, yellow, yellow green, or fluorescent versions of these colors;
- At least nine bi-directional retroreflective triangles, with minimum 17-inch arm length and minimum arm width of two inches;
- Eight red-burning flares, glow sticks, or equivalent illumination devices;
- Three orange, 18-inch high cones;
- A minimum five pound type "BC" or "ABC" fire extinguisher;
- A traffic wand flashlight in good working order, with a safety nose cone, and additional batteries;
- A clearly marked first aid kit;
- One serviceable spare tire;
- A sign showing name, city, and state of company/owner of escort vehicle displayed on each side of the vehicle. The sign must be a minimum of eight inches by 12 inches and readily legible during daylight hours from a distance of 50 feet; and
- A minimum of two red or orange flags mounted to the top of the vehicle at approximately 45 degree angles and not extending more than six inches on either side of the vehicle.

An escort vehicle must not have unauthorized equipment on the vehicle such as those generally reserved for law enforcement personnel.

A pilot/escort driver must meet the requirements of 49 CFR 391.11 if using a vehicle for escort operations in excess of 10,000 pounds gross vehicle weight rating.

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Certification requirements

The Georgia Department of Transportation (GDOT) has established rules for driver training and a certification program for drivers of vehicles escorting oversize/overweight loads. Any driver operating a vehicle escorting an oversize/overweight load must meet the training requirements and obtain certification under the rules issued by the GDOT. The requirement to obtain certification is effective January 1, 2011, but in order to give escort vehicle drivers time to obtain the certification, full enforcement will not begin until July 1, 2011.

Operators authorized to escort a permitted oversize/overweight load in Georgia must make application to GDOT and meet the following requirements:

- Meet one of the following:
 - Be at least 21 years of age; or
 - Be at least 18 years of age with a Class A commercial driver's license; or
 - Be at least 18 years of age, employed as an escort driver for at least one year and sponsored by his/her employer for entry into the certification program (the person must also have completed all certification requirements prior to July 1, 2011);
- Possess a valid driver's license without restrictions other than for use of corrective lenses and has demonstrated evidence of operating a motor vehicle safely which includes not operating in a reckless manner or driving while impaired in the previous 12 months; and
- Possess documentation of completion of a defensive driving course approved by the National Safety Council or an equivalent course.

Each qualified applicant is required to complete eight classroom hours of GDOT Oversize/Overweight Permit Unit's Escort Vehicle Operator Certification Program offered by the Georgia Technical College System with an examination score of at least 80% to obtain the official certification. The course will cost \$79. Upon completion, the GDOT will issue a certificate to each individual comprised of a wallet card to be maintained in the vehicle during operation.

The certification is effective for four years from the issue date.

The GDOT will recognize escort vehicle operator certifications from other states for operators that currently have a valid out-of-state driver's license and certification. Operators with an out-of-state driver's license without a valid certification, and all operators with a Georgia driver's license, will be required to obtain a certification from Georgia. All escort vehicle operator certifications and a valid driver's license is required to be available in the escort vehicle for inspection whenever the operator is performing the role of an escort.

The certification application can be found at <http://www.dot.state.ga.us/doingbusiness/permits/oversize/Documents/CertifiedEscortVehicleProgram-Application.pdf>.

Insurance

Georgia no longer requires escort vehicle operators to carry additional insurance coverage. Previously, \$1 million combined single limit coverage for bodily injury and/or property damage was required.

Pre-Trip/Post-Trip planning and coordination

A coordination and planning meeting must be held prior to and immediately following load movement. The driver(s) carrying or pulling the oversize load(s), the pilot/escort vehicle driver(s), law enforcement officers (if assigned), Department personnel (if involved), and public utility companies (as appropriate) must attend. Escort operators should pre-run the route, if necessary, to verify acceptable clearances.

The meeting must include discussion and coordination on the conduct of the move, including at least the following topics:

- The person designated as being in charge (law enforcement officers if present);

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- Authorized routing and permit conditions. Ensure that all documentation is distributed to all appropriate individuals involved in the move. Review special permit conditions with the operator of the oversize load;
- Communication and signals coordination. Ensure clear communications and predetermine the channel to be used;
- A check of mandatory equipment. Each operator is responsible for his/her vehicle. Check two-way mirrors, mount signs, and turn on lights;
- Verification/measurement of load dimensions. Set the height pole, pull next to the load and verify, and compare with permitted dimensions. If the load measurements are not the same as the permit, obtain a corrected permit with a redefined route appropriate for the actual measurements. Copies of permit and routing documents must be provided to all parties involved with the permitted load movement; and
- Prior to the load movement, the appropriate parties (operator of oversized load, pilot/escort vehicle driver, law enforcement) must complete the "Pre-Trip Overdimensional Load Checklist."

Following the load movement, a debriefing meeting shall be held and the appropriate parties (operator of oversize load, pilot/escort vehicle driver, law enforcement) must complete the "After Action Report."

Escort car signs, flags, and lights

Sign requirements on pilot/escort vehicles are as follows:

- Pilot escort vehicles must display an OVERSIZE LOAD sign/banner that must be at least 5 feet wide by 10 inches high on a yellow background with black lettering at least 8 inches high by 1 inch;
- The sign for the front/pilot car escort vehicle must be displayed so as to be clearly legible and readable by oncoming traffic at all times; and
- The rear pilot/escort vehicle must display its sign so as to be readable by traffic overtaking from the rear and clearly legible at all times.

Lighting is required as follows:

- Flashing Amber Light(s): At least two rotating or strobe lights must be positioned on top of the escort vehicle. The light must have a minimum five-inch diameter base and a minimum four-inch lens height, and must be visible for at least 500 feet in all directions by approaching traffic. The light must have a minimum of 60 flashes per minute with warning lights illuminated at all times during operations; or
- A flashing beacon/light bar mounted on top of the pilot/escort vehicle. The beacon/light bar must be unobstructed and visible for 360 degrees with warning lights illuminated at all times during operation.

The pilot/escort vehicle operator must obtain a permit for the amber light from the appropriate state agency for the use of the light.

Incandescent, strobe, or diode (LED) lights may be used provided they meet above criteria.

Lights must only be activated while escorting an oversize load, or when used as traffic warning devices while stopped at the side of the road taking height measurements during the pre-running of a planned route. A route survey may not be conducted during the piloting of an oversize load.

When actively escorting, escort vehicle head lamps must be burning at all times during movement.

(i) Travel Restrictions

No movement will be made during foggy weather, snow, or icy conditions.

Continual movement is allowed for permitted loads that are not oversize and do not exceed 125,000 pounds. However, such loads may not be moved during foggy weather, snow, or icy conditions, on Sundays, or holidays.

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Permitted loads exceeding 12 feet wide may not travel when visibility is less than 600 feet or when the ground wind exceeds 25 miles per hour.

Permitted oversize loads may operate Monday through Saturday from 30 minutes after sunrise until 30 minutes before sunset unless otherwise shown on the permit.

No permit shall be valid for travel into or through the area bounded by Interstate 285 (the bypass around the City of Atlanta) unless the vehicle is making a pick-up or delivery within the area. Drivers must be prepared to show proof of pickup or delivery. In addition, a permit issued for the movement of a vehicle or load will not be valid within that area between the hours of 7 and 9 a.m. and 4 and 6 p.m. Monday through Friday. Parking on the Interstate and Limited Access Highway Right-of-Way will not be permissible for permitted vehicles which are waiting for the authorized times of entry.

Holidays

Movements are prohibited on the following holidays:

New Year's Day

Labor Day (1st Monday in Sept.)

Memorial Day

Thanksgiving Day (4th Thursday in Nov.)

July 4

December 25

Speed limits

No permitted vehicles or loads may be operated on a public road that is part of the National System of Interstate and Defense Highways if the vehicle cannot maintain 40 mph speed (unless there are police escorts).

(j) Manufactured Housing Permits

Persons hauling houses must comply with the following conditions:

- The person must use the following minimum equipment for moving the house: a tandem truck, one set of tandem dollies in good condition, and one extra skidder or wrecker in good condition and capable of moving the whole load in case of a breakdown;
- The person must measure the house and, prior to applying for the permit, check the route stated in the application for permit to insure obstacle clearance and necessary places periodically to pull off the road for the purpose of preventing unnecessary traffic congestion;
- Before moving the house, all masonry will be removed from a masonry-veneered house;
- All mail boxes, highway signs, and other movable obstacles must be removed as the house approaches such an obstacle and must be re-erected immediately in equal or better condition after the house passes such obstacle;
- The movement of the house will be confined to the route stated on the permit, and will not exceed any straight line distance of 150 miles between origin and destination; and
- A house may be moved Monday through Saturday between the hours of 9 a.m. and 3 p.m., except in counties which require moves to be made after midnight and before 5 a.m. and unless otherwise designated on the permit. Application for the movement of a house must be made at least 72 hours prior to the time of movement with the prior approval of the local utilities affected. Exceptions to the times for house movements will be considered if the hauler provides a written request from all local governments or police/sheriff offices along the proposed route(s).

The special conditions stated above, other than the travel restrictions, likewise apply to the movement of a modular home.

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A person by accepting a permit for the movement of a manufactured home, modular home, sectional house, or portable building in excess of 10 feet wide up to a maximum of 16 feet wide, agrees that the person will or has complied or understands as applicable, the following conditions:

- Manufactured homes, modular homes, sectional houses, or portable buildings are limited to a length of 80 feet, including the hitch;
- Manufactured homes, modular homes, sectional houses, or portable buildings that do not qualify for an annual permit or STAA annual permit must be transported under a single trip permit, or STAA Express Permit. A STAA Express Annual Permit will allow travel only on STAA Access Routes. If a permitted load must travel on routes other than STAA Route System, the permittee may not travel on a STAA Express Permit but must obtain a single trip permit with specific routing instructions for the movement;
- Manufactured homes, modular homes, sectional houses, or portable buildings in excess of 12 feet wide, must be towed using a towing vehicle no smaller than a 15 foot transport vehicle and must be equipped with operating brakes on at least one-half of the axles of the manufactured homes, trailer or dolly transporting a modular home, sectional house, or portable building. If unit has three axles, at least two axles must be equipped with functioning brakes;
- All necessary safety precautions must be employed in crossing narrow bridges, including flagging other traffic to permit safe crossing; and
- For manufactured homes, modular homes, sectional houses, or portable buildings being moved under the authority of a STAA Express Permit or STAA Annual Permit, the driver will ensure that the movement is made only on those routes which are on the STAA Network.

The escort and lighting requirements for manufactured homes, modular homes, portable buildings and sectional houses are as follows:

- Units up to and including 12 feet wide and not to exceed a maximum length of 100 feet - a rear escort vehicle is required, or in lieu thereof, a revolving amber light or four-inch amber strobe light on both rear corners of the load; or
- Units in excess of 12 feet wide not to exceed 14 feet 8 inches wide and 100 feet overall length - a front and rear escort vehicle with an amber light is required on a two-lane road, and a rear escort vehicle only when on a four lane or more road including the Interstate system. On a 2-lane road as well as on the interstate, amber revolving or four-inch amber strobe lights may be used in lieu of the rear escort vehicle.

Mobile home movements over 10 feet in width and up to 16 feet in width will be allowed Monday through Saturday, from 30 minutes after sunrise to 30 minutes before sunset. Movement will not be allowed on the I-285 Perimeter Highway between the hours of 7 and 9 a.m. or between 4 and 6 p.m.

(k) Annual, Extended, And/Or Other Permits

Standard Annual - \$150

Annual Permit Plus - \$500

Seasonal Annual - \$25

Permit limitations for standard annual permits are as follows:

Width limit	Vehicle width, 102 in Load width, 122 in
Height limit	14 ft 6 in
Gross weight limit	100,000 lb
Single axle weight limit	25,000 lb

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Load length limit	100 ft 0 in
Containerized freight allowed 100,000 lb on 5 axles with a 40-ft box or a 20-ft box being transported on a 40-ft center-mount chassis. A 20-ft box being transported on other chassis is allowed 80,000 lb.	

Permit limitations for an annual permit plus are as follows:

Vehicles and loads that meet the requirements for an annual permit may apply for a special permit to carry wider loads on the National Highway System. The wider load limits may be a maximum of 14 ft wide from the base of the load to a point 10 ft above the pavement and 14 ft 8 in. for the upper portion of the load.

An annual commercial wrecker emergency tow permit is available for vehicles towing disabled, damaged, or wrecked commercial vehicles even though such wrecker or its load exceeds the maximum limits. Permits are limited to:

- Single axle weight up to 21,000 pounds;
- Tandem axle weight up to 40,000 pounds; or
- Total length 125 feet.

Seasonal annual permits are issued only for cotton and tobacco only under the following conditions:

- Nine feet in height; and
- Legal length and weight, except that tandem weight allowed is 46,000 pounds and single axle weight allowed is 23,000 pounds.

(I) Sealed Containerized Cargo Permits

Permits are available for sealed containers with an origin or destination being a port used for international trading. Drivers must be prepared to show an international bill of lading.

A 40-ft box container is allowed a gross weight of 100,000 lb on a 5-axle tractor/trailer combination. A 20-ft box container is allowed 80,000 lb with a tandem weight of 44,000 lb. A 20-ft box transported on a 40-ft center mount or center-mount triaxle trailer is allowed a vehicle gross weight of 100,000 lb on a 5 or more axle tractor/trailer.

III. SUPER LOADS

Georgia has the following classifications and permitting options for super loads.

Superload Single - \$125

- Width and height greater than 16 ft
- Weight limit 150,001 to 180,000 lb

Superload Plus - \$500

- Weight over 180,000 lb
- Requires bridge analysis
- May take up to three weeks for approval.

Loads exceeding 16 feet wide or high may require escorts and are considered on a case-by-case basis.

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Any person wishing to haul a load that exceeds the typical legal dimensions and/or weight must submit drawings that include a breakdown of axle weights, with a total diagram and weight distribution.

IV. AGENCY REFERENCES

(a) Sizes and Weights

Regulatory agency

Department of Transportation, Office of Permits and Enforcement
(888) 262-8306 (Customer Service)
(404) 635-8176 (Main Office)
(800) 570-5428 (Permits)
<http://www.dot.ga.gov/Pages/default.aspx>

Georgia Trucking Portal: <https://www.cvisn.dor.ga.gov/>

Permit agency

Same as above.

Georgia Trucking Portal: <https://www.cvisn.dor.ga.gov/>

Super loads

Georgia Office of Permits and Enforcement, State Department of Transportation
(800) 570-5428
Hours: 7 a.m. - 4:45 p.m. (Eastern Time)
<http://www.dot.ga.gov/Pages/default.aspx>

Amber light permit

Department of Public Safety
(404) 624-7211
<http://dps.georgia.gov/motor-carrier-compliance-division-0>

Enforcement agency

Department of Public Safety
(404) 624-7211
<http://dps.georgia.gov/motor-carrier-compliance-division-0>

VEHICLE SIZES & WEIGHTS MANUAL

Reserved

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Hawaii must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Width:	108 in	108 in
Height:	14 ft	14 ft
Length:		
Straight Trucks	45 ft	45 ft
Truck and trailer	65 ft	65 ft
Tractor-semitrailer combination	N/S	65 ft
Tractor-twin-trailer combination	N/S	65 ft
Semitrailer	48 ft	48 ft
Special limitations or restrictions:		
Tractor-semitrailer used for agriculture	N/S	65 ft
Semitrailer used for agriculture	N/S	48 ft
Articulated bus	N/S	65 ft
Weight:		
Single axle	22,500 lb	22,500 lb
Tandem axle	34,000 lb	34,000 lb
Triple axle	42,500 lb	42,500 lb
Steering axle	22,500 lb	22,500 lb
Gross wheel weight	11,250 lb	11,250 lb
Gross vehicle weight	80,000 lb subject to Federal Bridge Formula	88,000 lb (or state formula, $W=900*(L+40)$, where W is the maximum weight in pounds rounded to the nearest 500 lb; L is the distance in feet between the extremes of any group of two or more consecutive axles)
Special limitations or restrictions:	As posted on bridges	

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II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

All operators of vehicles that exceed the legal size and weight limits must obtain a permit from the State Department of Transportation prior to making any movement in Hawaii. Permits will not be issued for oversize or overweight movements that can be reduced or loaded within the legal size and weight limits.

The Department will issue either single trip permits or permits for continuous operation. Single trip permits are issued for one, one-way or round trip movement of overdimension or overweight vehicles and objects. Such permits are only valid for the date, time, vehicle, and route designated on the permit. Continuous operation permits (up to one year in length) are issued for vehicles or vehicle combinations moving over a specific route or area, during hours specified on the permit.

Length limits do not apply to vehicles transporting poles, pipes, timbers, reinforcing steel, or other objects of a structural nature that cannot be readily dismembered, provided that when transported at night the vehicle is equipped with a sufficient number of clearance lamps on both sides of any projecting load to clearly mark the dimensions of the load. There may also be travel restrictions.

The permit must be carried in the vehicle to which it refers. In the case of annual permits, a copy of the permit may be carried in the vehicle as long as the original permit is readily available for inspection.

If the permittee determines that the movement cannot be completed during the permit period, extensions are available. In the event of any change from the conditions authorized in the original special permit, such as the change of route, increased size or weight, or correction of errors, the permittee must apply for a new permit.

Permits will be issued only to those persons, corporations, or firms who own and operate the vehicle or who operate the vehicle under rental or lease agreements.

Permittees must obey all posted signs and limits and must travel only on the state highways and bridges specified in the permit. No vehicle may be operated over a bridge if the gross weight of the vehicle exceeds the posted load limitation of the bridge, unless the owner first secures a written permit from the Department.

Permits cover only the person or firm designated as permittee and are not transferable.

(b) Fees

Permit Conditions	Fee
Single trip permit for loads less than 1.35 times the allowable load or less than 14 feet in width	\$5
Continuous trip permit for loads less than 1.35 times the allowable load or less than 14 feet in width	\$10
Overweight permit in excess of 1.35 times the allowable load	\$25
Oversize permit for width in excess of 14 feet	\$25

Fees may be paid in the form of cash, money order, cashier's check, company check, or personal check made payable to the State of Hawaii. District Offices may arrange with the applicants for payment of fees through periodic billings. All fees shall be waived for governmental agencies.

(c) Insurance Requirements

Applicants must file with the District Engineer a certificate of self-insurance or a certificate from an insurance carrier authorized to do business within the State of Hawaii. The certificate must certify that the applicant has a comprehensive liability insurance policy covering himself, the State of Hawaii, authorized agents, executors, administrators, heirs, and assigns.

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The insurance certificate must be in the following amounts:

- \$100,000 for bodily injury to or death of one person in any one accident;
- \$300,000 for bodily injury to or death or more than one person in any one accident; and
- \$50,000 for damage or destruction to property of others in any one accident.

In the event that county ordinances require a higher liability minimum than specified, the higher amount will apply.

(d) Permitted Vehicle Limitations

Permits will be issued for widths up to 14 feet provided:

- The object is of such nature that it cannot readily be reduced in size and both the length and width exceeds nine feet or the load consists of products transported from the place where they are harvested or stored to the place where they are processed or used;
- The object is loaded in such a manner that the least width or length dimension becomes the width of the load; and
- The positioning of the object does not cause other maximum legal dimensions to be exceeded.

Permits may be issued to move a vehicle or combination of vehicles, empty or with load, 14 feet or wider, provided:

- The movement can be made without seriously jeopardizing other traffic or highway facilities;
- The move is not one of many to be made in the course of regular operation;
- The maximum operating speed is 25 miles per hour;
- Escort vehicle, flagperson or police accompany the move; and
- A statement is submitted by the moving contractor certifying that the route has been examined and that there will be a clearance of at least 1 foot on each side of the vehicle, equipment or load and any possible obstruction, including traffic signs and markers, existing along the route.

A permit may be issued for the movement of an overlength vehicle or object provided:

- The length of the vehicle or object cannot be reduced, in the judgment of the district engineer, without creating undue hardship to the applicant or the load consists of products transported from the place where they are harvested or stored to the place where they are processed or used;
- The movement can be made without seriously jeopardizing other traffic or highway facilities; and
- When the overall length exceeds 70 feet, the move is not one of many to be made in the course of regular operations.

Permits will not be issued for the movement of houses, cribs, sheds, and similar objects of widths 14 feet or more, or for the movement of any object of a special or unusual nature, without investigation.

The maximum height of a vehicle or vehicle and load for which a permit may be issued is governed by available overhead clearances throughout the route, which assurance is the responsibility of the permittee.

Horizontal projections extending four feet beyond the extremity of the vehicle are prohibited, and if the projection extends beyond four feet, escort vehicles must accompany the move (does not apply to the transport of poles, pipes, timbers, reinforcing steel, etc.). A permit for front projection, less than seven feet above the roadway surface, may be issued if it is proven to the satisfaction of the department that undue hazards are not created.

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A permit for overloads may be issued, provided the following load conditions are not exceeded:

- The actual axle load imposed upon the pavement shall not exceed 48,000 pounds in the case of a single axle or 84,000 pounds for a tandem axle. On structures the axle load must not exceed the allowable loads taken from the following table, and the wheel load per tire must not exceed 12,000 pounds:

Width of Axle - Feet (Tread Width)	Single Axle (Pounds)	Tandem Axle (Pounds)
6	36,000	48,000
7	39,000	52,000
8	42,000	56,000
9	45,000	60,000
10	48,000	64,000

- The allowable maximum gross weight for overweight vehicles on bridges may be approximated by multiplying the legal gross loads permissible under the Hawaii Revised Statutes, chapter 291, by the following constants:
 - H15 Bridges, 1.00;
 - H20 Bridges, 1.35; or
 - HS20 Bridges, 1.60.

An overweight permit will not be issued if two or more structural members, such as precast concrete slab, prestressed concrete girders, structural steel and other similar objects constitute the overweight.

(e) Sign Requirements

WIDE LOAD signs must be on a wood or metal panel measuring six feet by one foot. The letters must be black with a 1 1/4-inch brush stroke on a yellow background, and must measure 10 inches high. The sign must be mounted on both the front and rear of the carrier vehicle.

All overwidth loads must be marked with WIDE LOAD signs.

(f) Flags and Lighting Requirements

Flags

Red or orange fluorescent warning flags measuring 18 inches square must be posted on all four corners of the oversize or overweight movement.

All overwidth, overheight, and overlength loads must be marked with warning flags.

Lights

Lights may be used in lieu of flags on overwidth, overheight, or overlength loads. Lights may be required on the extremities of the overweight movement.

(g) Escort/Flagperson Requirements

Escort requirements will be specified in the oversize/overweight permit.

Escorts are required for all movements exceeding 12 feet in width. Escort vehicles are also required for movements exceeding 10 feet in width when traveling through mountains or winding coastal areas.

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Escort vehicles are required when horizontal projections exceed four feet beyond the extremity of the vehicle.

Vehicles traveling under permit authority requiring escort vehicles are not allowed to travel in convoys on two-lane highways. A separate escort must be provided for each vehicle or vehicles and load moved under escort. As a general rule, such vehicle must be spaced about 15 minutes apart along the route. On multilane highways (four or more lanes), the district engineer may permit vehicles with oversize loads 12-foot or less to travel by pairs under escort. The foregoing spacing requirement applies between pairs of vehicles.

Flagpersons

Flagperson requirements will be specified on the oversize/overweight permit.

Flagpersons must be equipped with a red flag measuring 24 by 24 inches mounted on a three-foot long staff. All flagpersons are required to wear bright orange safety vests. A motorcycle police escort may be used in lieu of a flagperson.

Flagpersons must dismount the vehicle and direct traffic at all locations where traffic may be obstructed, or when it is necessary to infringe on the opposite bound traffic lane due to breakdown, pulling on or off the pavement, or other causes. The flagperson must warn traffic of the approaching vehicle at danger points such as at narrow bridges, sharp curves, and intersections.

(h) Escort Car/Company Requirements

Escort vehicles may be either a passenger car or a two-axle truck with a rated capacity not to exceed 20,000 pounds gross weight.

Escort vehicles must also be equipped with two-way radios so that continuous communication between the units may be maintained.

Escort vehicles must travel with low beam headlights on and maintain the following distances from the load to the escort vehicle when traveling at the specified combined speed miles per hour:

- 30 mph or less - 200 feet;
- 40 mph - 300 feet;
- 50 mph - 350 feet;
- 60 mph - 500 feet; or
- 70 mph or greater - 600 feet.

Escort car signs, flags, and lights

WIDE LOAD signs must be on a wood or metal panel measuring six feet by one foot. The letters must be black with a 1 ¼-inch brush stroke on a yellow background, and must measure 10 inches high. The sign must be mounted on the escort vehicle.

The escort vehicle must be equipped with at least one rotating or oscillating amber light mounted on top of the cab. The amber lights must have sufficient intensity to be visible at 500 feet in normal sunlight.

(i) Travel Restrictions

Individual permits may specify certain restrictions as necessary.

Movements on Saturdays, Sundays, and state holidays will be allowed at the discretion of the District Engineer.

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The State Department of Transportation or any police agency may delay oversize and overweight movements at any time due to heavy traffic, hazardous road conditions, or inclement weather. Moves must not be made when visibility is unduly impaired by rain, fog, smog, or at any time travel conditions are considered to be unsafe.

Movements must be made so that the traveled way will remain open for traffic at all times.

Stopping on any bridge is prohibited if a vehicle is overloaded.

When movements during darkness are allowed or stipulated in the permit for oversize or overweight vehicles, the lighting and reflectors for such vehicle or load must conform to the requirements of the motor carrier rules of the department governing such matters.

Speed limits

Overloaded vehicles may not exceed the speed indicated on the permit. Generally, overloaded vehicles are restricted to five miles per hour on structures.

A vehicle or combination of vehicles, empty or with load, 14 feet or wider must have a maximum operating speed of 25 mph.

(j) Manufactured Housing Permits

Permits for prefabricated building forms generally are not issued. Form sections constructed away from the job site should be designed and built in such manner that they can be transported within legal limits.

Permits for prefabricated buildings, building sections, or panels may be issued provided the width of the load, including building eaves if the eaves are less than 10 feet above the roadway, does not exceed 12 feet and provided that other dimension limitations are not exceeded.

Permits are not issued for movement of houses, sheds, cribs, and similar objects of widths 14 feet or more without investigation.

(k) Annual, Extended, And/Or Other Permits

The Department will issue permits for continuous operation. Permits for continuous operation will be issued for oversize movements only if the width of the movement is less than 12 feet and the overall length is 70 feet or less.

For a continuous operation permit, the applicant must describe the hauling or towing unit and the pieces of equipment to be mounted or towed together with all applicable data.

Cranes and other overweight equipment

Overweight cranes, draglines, tractors, and other overweight equipment may only be moved by disassembling them to the degree necessary for the highway facilities to accommodate or support the loads. Such movements may require both pavement and bridge analyses. The extent of dismantling will be dependent upon the weight and size of the machine, the axle spacing and wheel arrangements of the tractor-trailer upon which the machine is transported, and the theoretical load carrying capacity of bridge structures along the route of travel.

Overweight mobile cranes may be required to be stripped or dismantled by removing the counter-weights, booms, or outriggers as determined by structural analysis if analysis is warranted.

Emergency movements

Emergency moves of vehicles, vehicle combinations, or loads which exceed the maximum legal dimension and weight limitations may be allowed in a disaster area without a written permit.

An emergency includes floods, fire, earthquakes, tsunamis, and other disasters which cause or threaten loss of life or destruction or damage to property of such magnitude as to seriously endanger the public health,

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safety, and welfare, or which causes or threatens destruction or major damages to the highway system. Economic factors such as the savings of time or expense in moving over the highway are never considered emergencies.

(I) Sealed Containerized Cargo Permits

Hawaii does not have special requirements concerning sealed containerized cargo permits.

III. SUPER LOADS

Hawaii does not list what is considered a super load in their state requirements.

Applications for overloads in excess of the permit requirements maximum shall be referred to the Construction and Maintenance Branch for further review, with the district engineer's comments and recommendations.

An application for an overweight movement shall be accompanied by sketches showing plan and elevation of the wheel arrangements, dimensions and distribution of loads.

Processing an application can take up to three weeks when a review by other branches in the division is required.

IV. AGENCY REFERENCES

(a) Regulatory Agency

State of Hawaii
Department of Transportation
Highways Division
Oahu District
727 Kakoi St.
Honolulu, HI 96819
(808) 831-6712

(b) Permit Agency

Same as above.

(c) Enforcement Agency

Motor Vehicle Safety Office
Department of Transportation
601 Kamokila Blvd., Rm. 511
Kapolei, HI 96707
(808) 692-7650

VEHICLE SIZES & WEIGHTS MANUAL

Reserved

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Idaho must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	Idaho National Network Highway System	On Other State and Supplemental Highways
Width:	8 ft 6 in (102 in)	8 ft 6 in
Height:	14 ft	14 ft
Length:		
Single motor vehicle	45 ft	45 ft
Truck-trailer	75 ft	75 ft
Tractor-semitrailer combinations	75 ft, unless otherwise noted	75 ft, unless otherwise noted
Semitrailer or trailer	53 ft	48 ft
Trailers of twin-trailer combinations	68 ft of trailers (incl. tongue)	61 ft of trailers (incl. tongue) (or 75 ft overall)
Saddlemount combo	97 ft	75 ft
Dromedary tractor stinger-steered	75 ft	75 ft
Dromedary tractor non-stinger-steered	65 ft	65 ft
Auto/Boat-transporter combination	65 ft (non-stinger-steered) 75 ft (stinger-steered)	65 ft (non-stinger-steered) 75 ft (stinger-steered)
Special limitations or restrictions	Exclusive of vehicle or combination length limits, a load overhang may not extend more than 4 ft beyond the front of any vehicle; rear overhang is limited to 10 ft from end of vehicle. Auto/Boat transporters are allowed a front- and rear-combined overhang of 7 ft. 1-mile access to terminals or facilities for fuel, food, lodging, or repairs.	
Weight:	On Interstate System Highways Only	On All Other State Highways
Single axle	20,000 lb	20,000 lb
Tandem axle	34,000 lb	34,000 lb
Tridem axle	42,000 lb	42,000 lb
Steering axle	20,000 lb or 600 lb/in. width	20,000 lb or 600 lb/in. width
Load per inch width of tire	600 lb/in	600 lb/in
-or-		
Gross vehicle weight	105,500 lb (with permit)	105,500 lb (permit N/R)

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	Idaho National Network Highway System	On Other State and Supplemental Highways
Grandfather provisions	Maximum of 37,800 lb tandem at 79,000 lb GVW or less on interstate routes hauling exempt commodities.	Maximum of 37,800 lb tandem at 80,000 lb GVW or less with any vehicle or load.

Seasonal Weight Restrictions

Idaho's seasonal weight restrictions can be found at <http://511.idaho.gov/>.

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Operators of vehicles that exceed the legal size and weight limits must order a permit from the Idaho Transportation Department, Overlegal Permit Office prior to making any movement in the State of Idaho. Oversize loads must be reduced to a practical minimum dimension. Permits will not be issued to exceed legal size if the load is more than one unit in width, length, or height, nor will permits be utilized for multiple unit loads which may be reduced in number of units and positioned to meet legal dimensions. Multiple unit overwidth loads must be transported on legal dimension vehicles. Overwidth loads may be transported on double trailer combinations not exceeding 75 feet in length, exclusive of load overhang.

Any load exceeding the dimensions of the trailer must be non-reducible in size and any load exceeding legal allowable weight must be non-reducible in weight. Overweight permits will be issued only for loads consisting of single non-reducible items, except for a machine with an accessory detached and loaded separately on the transporting vehicle. Vehicles hauling overweight loads will be required to have five axles or more to qualify for overweight permits. Towed or self-propelled overweight vehicles may have less than five axles.

Farmers transporting their own implements of husbandry are exempt from the legal width limitations and permits, when the load or equipment is used in land leveling operations, or is temporarily propelled, moved, or transported upon the public highway from one farm operation to another. Overlegal permits will be required, however, when such implements of husbandry are moved for hire by a common or private carrier, by a manufacturer to a dealer, or from one dealer to another. No exemption from permits will be allowed when the movement is overweight. The exemption for implements of husbandry does not apply to overlength, overheight, or overweight vehicles. Farm tractors transported on interstate routes are required to have a permit if width exceeds nine feet.

The permittee must determine and declare the gross weight, distribution of weight, and the dimensions of the vehicle and load and must submit all other required information prior to the permit issuance. Upon application, the permittee must certify that the load is non-reducible.

A traffic control plan, prepared by a licensed engineer or American Traffic Safety Services Association certified traffic control supervisor, must be submitted if the width exceeds 20 feet on two-lane highways.

All overlegal permits must be ordered from the Headquarters Permit Office in Boise. Permits are then sent electronically to Ports of Entry, District Offices, commercial facilities, and permit service companies. Permits may be obtained in person or by telephone, and only annual permits may be obtained online.

The permittee must pay the permit fee at the office where the permit is picked up, unless the permittee has charged it to a credit card (MasterCard® or Visa®), or has a permit fee account to which it may be charged.

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Western association of state highway and transportation officials (WASHTO) Permits —

Eleven western states: Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Oklahoma, Oregon, Texas, Utah, and Washington have joined together allowing carriers needing oversize/overweight permits for operation on the highways of the Regional Network. Although Louisiana is not a member of WASHTO, the state participates in the program. Each member jurisdiction may issue regional permits and collect fees allowing operations in the other members' jurisdictions. Certain requirements have to be met when applying for each permit.

Permits are issued only for an “envelope” vehicle of the following non-reducible maximum dimensions:

Length:	110 ft overall
Height:	14 ft
Width:	14 ft
Weight:	160,000 lb gross weight 21,500 lb single axle 43,000 lb tandem axle 53,000 lb per tridem (wheelbase more than 8 ft and less than 13 ft)

The single trip permit will be valid for a period of five working days, for use by the permitted vehicle only (tractor and trailer).

More information is available from the member jurisdictions listed below:

Arizona	(602) 712-7257
Colorado	(303) 757-9201
Idaho	(208) 334-8420
Louisiana	(225) 377-7100
Montana	(406) 444-7262
Nevada	(775) 888-7070
New Mexico	(505) 476-2475
Oklahoma	(877) 425-2390
Oregon	(503) 986-3452
Texas	(512) 305-9501
Utah	(801) 965-4892
Washington	(360) 704-6340

(b) Fees

Permit Type		Fee
OVERSIZE ONLY	Single trip	\$28.00
	Two trips	\$33.00
	Annual (12 consecutive months)	\$43.00
EXCESS WEIGHT Authority to exceed 80,000 lb on reducible loads up to 105,500 lb.	Annual (12 consecutive months)	\$43.00

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Permit Type		Fee
EXTRA LENGTH/EXCESS WEIGHT (reducible) combination	Annual (12 consecutive months)	\$53.00
OVERWEIGHT/OVERSIZE or OVERWEIGHT ONLY (non-reducible)	Single trip	\$71.00 + road use fees
	Two trips	\$81.00 + road use fees
	Annual (12 consecutive months)	\$128.00 + road use fees
OVERSIZE EXCEEDING 16 ft wide, or 16 ft high, or 110 ft long	Single trip	\$71.00
	Two trips in 7 days	\$89.00
OVERWEIGHT/OVERSIZE (non-reducible), exceeding 16 ft wide, or 16 ft high, or 110 ft long	Single trip	\$103.00
	Two trips in 7 days	\$116.00 + road use fees
OVERLEGAL PERMIT MANUAL		\$5.00, plus current sales tax for Idaho residents
RE-ISSUANCE OR TRANSFER FEE		\$15.00

Permit fee account procedures

To establish a basis for the issuance of overlegal permits on other than a cash basis, the permittee may guarantee permit fees by posting a surety bond (\$1,000 minimum, or equal to the value of permits required by the permittee during any three consecutive months, whichever is greater).

Road Use Fees

Non-reducible vehicles or combinations of vehicles hauling non-reducible loads at weights in excess of legal limits must pay road use fees as follows.

No. of Axles	Column 1 (GVW of vehicle and load in pounds)	Column 2 (GVW of vehicle and load in pounds)
2	40,001	-
3	54,001	-
4	68,001	-
5	80,001	131,001
6	97,001	148,001
7	114,001	165,001

To determine the maximum allowable permit fee for vehicles with more than seven axles, the table can be extended by adding 17,000 pounds to the last listed weight in both columns 1 and 2 for each added axle.

Permit fees for column 1 start at \$.04 per mile and increase \$.04 per mile for each additional 2,000-pound increment up to the weight indicated in column 2.

Permit fees for column 2 start at \$1.02 per mile and increase \$.07 per mile for each additional 2,000-pound increment.

The minimum fee per mile is \$.04.

(c) Insurance Requirements

The permittee must assume all responsibility for injury to persons or damage to public or private property caused directly or indirectly by the transportation of an oversize or overweight movement. Furthermore, the

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permittee must hold the Department and all its officers, agents, employees, and servants harmless from all suits, claims, damages or proceedings, which may occur as a result of the oversize or overweight movement.

The permittee or the driver of the vehicle towing overwidth manufactured homes and office trailers is required to carry evidence of general liability insurance in the permitted vehicle showing coverage in the minimum amounts of \$300,000 when hauling the permittee's own manufactured home. If hauling for hire, a permittee must carry a minimum amount of \$750,000 insurance coverage and have proper authority.

Extra-length combinations must be covered by insurance of at least \$500,000 combined single limit.

Evidence of insurance or the posting of a bond may be required when loads create an extraordinary hazard to the traveling public or to the highway system. In such cases of extraordinary hazard, the Department may require the posting of a cash bond in an amount to cover the maximum damage that could be expected to occur to the highway. The permittee is also required to reimburse the Department for any engineering required to ascertain the extent of damages that may occur as a result of the oversize or overweight movement.

(d) Permitted Vehicle Limitations

The permit must be carried in the vehicle to which it refers and must be open to inspection by any police officer or any authorized representative of the Idaho Transportation Department.

All movements are to be made in such a manner that the highways will remain open as often as feasibly possible and to provide for frequent passing of vehicles traveling in the same direction.

A traffic control plan must be submitted when operating on two-lane highways if the dimensions exceed 20 feet in width. The plan must be prepared by a licensed engineer or an American Traffic Safety Services Association certified traffic control supervisor.

The oversize and/or overweight movement must not be loaded, unloaded, or parked (except in an emergency situation) upon any state highway without the specific permission of the Department or corresponding policing agency.

Width - Non-reducible

Overlegal permits may be issued for 10-foot wide trailers hauling non-reducible loads smaller than 10 feet wide. Overlegal permits will not be issued for trailers over 10 feet wide hauling any load on an overwidth vehicle unless such vehicle has been designed and constructed for the specific purpose of hauling a particular load the nature of which makes it impractical to be hauled on a legal width vehicle. The permit issued for oversize loads being hauled on oversize equipment will be valid for the unladen movement or an incidental haul, which must not include commodities either to or from the point of loading or unloading of the oversize load. The permittee is required to carry proof that the unladen movement or incidental haul is on the way to or from the point of loading or unloading of the oversize load.

Length - Reducible

Vehicle combinations may not consist of more than four units and may not exceed 115 feet overall length. No such vehicle combination may include more than three cargo units. A full truck and full trailer may have an overall length exceeding 75 feet up to 85 feet including load overhang.

Blue-coded routes are for combinations not exceeding 95 feet in overall length including load overhang, plus 5 feet 6 inches off track.

Red-coded routes are for combinations of vehicles not exceeding 115 feet in overall length including load overhang, plus 5 feet 6 inches off track.

In any extra-length combination, the loading of any trailer cannot be substantially greater (more than 4,000 pounds) than the weight of any trailer located ahead of it.

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Height - Reducible

Overlegal permits may be issued to transport reducible loads exceeding 14 feet up to 14 feet 9 inches in height on designated highways. The vehicle height must not exceed 14 feet.

Weight - Non-reducibile

The gross vehicle weight allowable by overweight permit is subject to the seasonal stability of the roadway and the capacity of the structures on the route of travel. For the purpose of issuing overlegal permits, seven levels of overweight are established, based on the weight formula of $W = 500((LN/N-1) + 12N + 36)$ (bridge formula) and routes for carrying the various levels of overweight are designated by color coding:

- Red Routes - The red routes contain posted bridges and require approval or analysis from the Department. A vehicle configuration may be issued an annual overweight/oversize permit for travel on red routes only, upon completion of an analysis verifying the requested weights are acceptable. The annual permit will be issued for a specific vehicle configuration, operating on a specific route, at specific weights. All information will be listed on the annual permit and will be subject to revocation at such time the vehicle configuration changes (such as axle spacings), the approved weights change, or a bridge rating changes. Annual permits issued for red routes will be in addition to the annual permit required for other routes.
- Yellow Routes - The yellow overweight level is based on a single axle loading of 22,500 pounds, a tandem axle loading of 38,000 pounds, and a tridem axle loading of 48,000 pounds or the equivalent loading as determined by spacings and number of axles and computed by applying the formula $W = 560 ((LN/N-1) + 12N + 36)$.
- Orange Routes - Orange overweight level is based on a single axle loading of 24,000 pounds, a tandem axle loading of 41,000 pounds, and a tridem axle loading of 51,500 pounds or the equivalent loading as determined by spacings and number of axles and computed by applying the formula $W = 600 ((LN/N-1) + 12N + 36)$.
- Green Routes - The green overweight level is based on a single axle loading of 25,500 pounds, a tandem axle loading of 43,500 pounds, and a tridem axle loading of 54,500 pounds or the equivalent loading as determined by spacings and number of axles and computed by applying the formula $W = 640 ((LN/N-1) + 12N + 36)$.
- Blue Routes - Blue overweight level is based on a single axle loading of 27,000 pounds, a tandem axle loading of 46,000 pounds, and a tridem axle loading of 57,500 pounds or the equivalent loading as determined by spacings and number of axles and computed by applying the formula $W = 675 ((LN/N-1) + 12N + 36)$.
- Purple Routes - The purple overweight level is based on a single axle loading of 30,000 pounds, a tandem axle loading of 51,500 pounds, and a tridem axle loading of 64,500 pounds or the equivalent loading as determined by spacings and number of axles and computed by applying the formula $W = 755 ((LN/N-1) + 12N + 36)$.
- Black Routes - The black overweight level is based on a single axle loading of 33,000, pounds a tandem axle loading of 56,000 pounds, and a tridem axle loading of 70,500 pounds or the equivalent loading as determined by spacings and number of axles and computed by applying the formula $W = 825 ((LN/N-1) + 12N + 36)$. ("W" is the maximum weight in pounds (to the nearest five hundred (500) pounds) carried on any group of two (2) or more consecutive axles. "L" is the distance in feet between the extremes of any group of two (2) or more consecutive axles, "N" is the number of axles under consideration.)

(e) Sign Requirements

The OVERSIZE LOAD sign must measure at least 12 inches high by five feet wide. The lettering must be black, eight inches high with a 1-inch stroke width, on a yellow background.

Signs must be displayed on the front or roof line of the towing vehicle and the rear of the oversize load; on the front and back or roofline of the self-propelled oversize vehicle.

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Signs are required on all vehicles and/or loads exceeding legal width. Signs may not be displayed when the vehicle is empty and of legal dimensions.

OVERSIZE LOAD signs must always be displayed on all overwidth loads.

(f) Flags and Lighting Requirements

Flags

Warning flags for oversize vehicles and/or loads, excluding extra-length vehicle combinations, must be marked by warning flags meeting the following:

- Minimum size of 18 inches by 18 inches; and
- Red or fluorescent orange in color.

On overwidth vehicles and/or loads, flags must be placed at the four corners and/or extremities of the vehicle and/or load, as follows:

- Front – fastened to each front corner of the oversized vehicle and/or load if it exceeds legal width;
- Rear – fastened to each rear corner of the oversized vehicle and/or load if it exceeds legal width; and
- Side – fastened to mark any extremity, when extremity is wider than the front or the rear of the vehicle and/or load.

If the overhang is two feet wide or less only one flag is required on the end of the overhang. If the overhang is over two feet wide, two flags are required on the end of the overhang to show the maximum width of the overhang.

Warning flags are required on all overwidth vehicles and/or loads and when the rear overhang exceeds the end of the vehicle by four feet or more. In addition, flags are required on all overwidth movements.

Flags are required on all overlength movements, except if they have less than a four-foot rear overhang.

Lights

Overdimensional vehicles and/or loads that are permitted to travel during hours of darkness are required to display lights to mark the extremities of the vehicle and/or load, and they must be in addition to those clearance lights required on legal size vehicles when traveling at night.

The following applies to lights on oversize vehicles and/or loads:

- Lights that mark the extremities are only required on overdimensional vehicles traveling after dark (dark is defined as ½ hour after sunset to ½ hour before sunrise);
- The lights may be flashing or steady burning and must be visible from a minimum of 500 feet; and
- The color of the lights must be as follows:
 - Amber lights are required for lights visible from the front of the oversized vehicle and/or loads and the extremities in the middle or near the front of the oversized vehicle and/or load; and
 - Red lights are required for lights visible from the back of the oversized vehicle and/or load and the extremities near the back of the oversized vehicle and/or load.

The following applies to standards for lights on rear overhang:

- Lights are required when rear overhang exceeds the end of the vehicle by four feet or more;
- If the overhang is two feet wide or less only one light is required on the end of the overhang; and
- If the overhang is over two feet wide, two lights are required on the end of the overhang to show maximum width of the overhang.

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(g) Escort/Flagperson Requirements

A rear escort is required when the width of a load obstructs the driver's view to the rear or when traffic control is needed.

A third escort may be required when the load is of such extreme dimensions that it requires holding opposing traffic at turnouts and intersections to provide for passage of the load.

Note: Color-coded pilot/escort vehicle requirement maps for overwidth loads are available from the Headquarters Overlegal Permit Office, and ports of entry. Routes that require escort vehicles are designated on the map.

A pilot/escort is required for overheight movements that exceed 16 feet high.

A pilot/escort is required for overlength movements that exceed 100 feet on two-lane highways, or 120 feet on interstate highways. A pilot/escort is also required on two-lane red routes indicated on the Pilot/Escort Vehicle Travel - Time Requirements Map available at <http://itd.idaho.gov/dmv/poe/documents/pilot.pdf>.

- Front Pilot/Escort Vehicle — The movement of an oversize vehicle and/or load may be preceded by a pilot/escort vehicle on those sections of highway where the vehicle and/or load cannot travel within its proper travelway lane.
- Rear Pilot/Escort Vehicle — As authorized by Section 49-940, Idaho Code, when the width of a load obstructs the driver's view to the rear so they cannot see 200 feet behind them, a rear pilot/escort must be required to accompany the oversize load and to communicate with the driver of the permitted load concerning impeded overtaking traffic for the purpose of providing passing opportunity.
- Advance Pilot/Escort Vehicle — A third pilot/escort vehicle may be required when the load is of such extreme dimensions for the route of travel as to require holding opposing traffic at turn-outs and intersections to provide for passage of the load.
- First Movement from the Forest — A pilot/escort is not required on the first movement from the forest of tree-length logs or poles if the overall length does not exceed 110 feet. Secondary movements must comply with the requirements stated on the Pilot/Escort Vehicle and Travel Time Requirements map.
- Spacing — Approximately 1,000 feet must be maintained in rural areas between the escorting vehicle and any oversize load. This spacing may be reduced in urban areas when necessary to provide traffic control for turning movements.

Flagpersons

For overheight movements that exceed 16 feet high, flagpersons will be required if it is necessary to stop in the line of traffic to clear an overhead obstruction or if necessary to cross the lane lines because of vertical clearance when crossing structures.

Flagpersons will be required if an overweight vehicle is going to cross over the centerline of a structure, or when necessary to flag other traffic off a structure while the overweight load is crossing.

Convoy of overlegal loads

Oversize loads which individually would require a pilot/escort vehicle, except overwidth manufactured homes, office trailers, and modular buildings, may be permitted to travel in convoy with pilot/escort vehicles in front of and behind the convoy, but such convoys must not exceed four oversize loads or vehicles between pilot/escort vehicles.

Maximum width of units in a convoy are limited to 14 feet wide on black-coded routes of the Pilot/Escort Vehicle and Travel Time Requirements Map and to 12 feet 6 inches on red-coded routes of the Pilot/Escort Vehicle and Travel Time Requirements Map. Oversize loads, which do not individually require a pilot/escort vehicle, may travel in convoy without pilot/escort vehicles.

Maximum length of units in a convoy are limited to 100 feet on black-coded routes and 75 feet on red-coded routes of the Pilot/Escort Vehicle and Travel Time Requirements Map and 120 feet on the interstate system.

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(h) Escort Car/Company Requirements

Pilot/escort vehicles must be furnished by the permittee and must be passenger cars, light trucks or vehicles authorized by the Vehicle Size and Weight Specialist. The light trucks used as pilot/escort vehicle(s) must not be loaded in such a manner as to cause confusion to the public as to which vehicle is being escorted. Vehicles towing trailers do not qualify as pilot/escort vehicles.

A pilot/escort vehicle must carry the following items of equipment when escorting an overlegal vehicle and/or load:

- Standard 18 inches STOP and SLOW paddle sign;
- Three bi-directional emergency reflective triangles;
- A minimum of one five pound B.C. fire extinguisher;
- A reflectorized orange vest, shirt, or jacket that must be worn by the operator when working out of the vehicle;
- Two additional OVERSIZE LOAD signs;
- Non-metallic height pole for determining vertical clearances (when required);
- Valid driver's license; and
- Two-way radios — On all movements requiring a pilot/escort vehicle, both the towing unit and pilot/escort vehicle(s) must be equipped with two-way radio equipment licensed under FCC regulations and to be adequate to provide communication of 1/2 mile separation under conditions normally encountered along the proposed route.

Radio communication must be open and monitored between the pilot/escort vehicle(s) and oversize vehicle and/or load at all times during movement.

Escort car signs, flags, and lights

All pilot/escort vehicles must display a sign on the roof line of the vehicle having the words OVERSIZE LOAD while escorting an oversize load. Such signs must not be displayed and must be considered illegal except when the pilot/escort vehicle is actually escorting an oversize load.

The sign dimensions must be at least 12 inches high by five feet wide, with eight-inch high letters in one-inch stroke width and be black letters on a yellow background.

Flashing or rotating amber lights displayed on the pilot/escort vehicle must be mounted at each end of the required OVERSIZE LOAD sign above the roofline of the vehicle and be visible from the front and rear of the pilot/escort vehicle. These lights must meet the minimum standards outlined under oversize vehicles and/or load lighting requirements.

As an alternate, a pilot/escort vehicle may display one rotating or flashing amber beacon visible from a minimum of 500 feet, mounted above the roofline and visible from the front and rear of the pilot/escort vehicle.

(i) Travel Restrictions

The Pilot/Escort Vehicle and Travel Time Requirement Map is available at the Idaho Transportation Department, the Overlegal Permit Office, and Ports of Entry.

Oversize loads may be transported on Idaho Highways subject to the following conditions:

The movement of overlegal vehicles and/or loads by overlegal permit will be prohibited and otherwise valid permits will automatically become invalid enroute when travel conditions become hazardous due to ice, snow, or frost; when visibility is restricted to less than 500 feet by fog, dust, smoke, smog, or other atmospheric conditions.

The movement of oversize permitted vehicles or loads which are in excess of 13 feet in width is prohibited on all state and interstate highways within one mile of the city limits of Boise, Caldwell, Coeur d'Alene, Eagle,

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Emmett, Idaho Falls, Meridian, Middleton, Nampa, Pocatello, Star, Twin Falls, Garden City, and Chubbuck at times of heavy commuter traffic. Unless otherwise defined on the permit, the times of heavy commuter traffic is considered to be 6:30 to 8:30 a.m. and 4 to 6 p.m., Monday through Friday. Restrictions for the operation of overlegal vehicles and/or loads during time of heavy commercial traffic will appear either on the face of the permit or in the attachment for annual permits. Oversize permitted vehicles operating during heavy commuter traffic must travel in the furthest right-hand lane.

The power unit of an overlength combination must maintain a minimum speed of 15 mph during normal operating conditions. A minimum distance of 500 feet must be maintained between combinations. Except when passing, the combination must be driven in the right lane.

Permitted oversize vehicles, that exceed seven feet of front overhang on any vehicle in the combination, are restricted to daylight travel only on two-lane, two-way highways.

Overwidth manufactured homes not in excess of 10 feet may be permitted to travel 24 hours as long as they are equipped with steady burning lights visible from 500 feet. Amber lights must be visible from the front of the load and the extremities in the middle or near the front of the load. Red lights must be visible from the back of the load and extremities near the back of the load.

Holidays

The following days are designated as holidays:

New Year's Day
Memorial Day
Independence Day

Labor Day
Thanksgiving Day
Christmas Day

Red-Coded Routes: No travel for any load after 2 p.m. on the day preceding a holiday or holiday weekend. A holiday weekend occurs as three consecutive days, when a designated holiday occurs on a Friday or Monday, or when the designated holiday occurs on a Saturday or Sunday, in which case the preceding Friday or the following Monday is included in such three-day holiday weekend. Travel may be resumed at dawn on the day following the holiday or holiday weekend.

Black-Coded Routes and Interstate Routes: Loads in excess of 10 feet wide, 100 feet long, or 14 feet 6 inches high may not travel after 4 p.m. on the day preceding a holiday; travel may be resumed at dawn on the day following the holiday.

Hours of Darkness: Hours are defined as extending from ½ hour after sundown to ½ hour before sunrise; or at any other time when visibility is restricted to less than 500 feet.

Frost laws

During the period of spring breakup, permits must not be issued for overweight movements on routes posted for restricted weight and speed limits. District engineers may provide a temporary waiver of the spring breakup restrictions by posting green markers on the speed limit signs or other signs within a section of highway posted for reduced loads. Width is restricted to 12 feet 6 inches on a route that has a spring breakup weight restriction less than legal weight. Go to <http://511.idaho.gov> for details.

(j) Manufactured Housing Permits

The permittee must carry the appropriate insurance coverage.

The maximum size and weight allowed for a manufactured home is as follows: 16 feet in width at the base and 18 feet overall width including the eaves, 80 feet in length (including tongue).

VEHICLE SIZES & WEIGHTS MANUAL

There are minimum requirements for a vehicle towing an oversize mobile home which vary in relation to the size category of the unit being transported, as follows:

Mobile Home Width	Tire Width	Drive Axle Tire Rating	Min. Unladen Weight	Rear Axle Rating
8 to 10 ft wide	7 in.	6 Ply	6,000 lb	None
10 to 12 ft wide	8 in.	8 Ply	8,000 lb	15,000 lb
over 12 ft wide	8.25 in.	10 Ply	12,000 lb	15,000 lb

If the vehicle is towing/hauling a manufactured home, modular building, or office, the maximum speed is 60 mph.

If the movement requires a pilot/escort vehicle, two-way radio communication must be maintained between the pilot/escort operator and the driver of the towing unit.

The movement must display signs and flags and must obey travel restrictions.

No convoy of overwidth manufactured homes and office trailers and modular buildings may include more than two units between two escorting vehicles.

- On those routes where pilot/escort vehicles are required in front and rear of an overwidth manufactured home and office trailers, two units may travel in convoy between such escorting vehicles.
- On routes requiring only a front pilot/escort vehicle, the manufactured home and office trailers mover may have the option of conveying two units between front and rear pilots/escorts.

At no time may more than one manufactured home or office trailer be escorted by one pilot/escort vehicle. Maximum width of units in a convoy is limited to 14 feet wide on black-coded routes and to 10 feet wide on red-coded routes of the Pilot/Escort Vehicle and Travel Time Requirements Map. Minimum spacing of approximately 1,000 feet must be maintained between all units in a convoy except when a pilot/escort vehicle is required to control traffic in turning movements. Maximum length of units in a convoy is limited to 100 feet on black-coded routes and 75 feet on red-coded routes of the Pilot/Escort Vehicle and Travel Time Requirements Map and 120 feet on the Interstate system.

OVERSIZE LOAD signs must always be displayed on manufactured homes.

Annual permits

Annual permits are allowed as follows:

Route	Base Width	Overall Width	Height	Overall Length
Red		12 ft 6 in	15 ft 6 in	110 ft
Black	14 ft	18 ft	15 ft 6 in	110 ft
Double Black	16 ft	18 ft	15 ft 6 in	110 ft

The double black routes are the interstate and 4-lane highways.

The routes referred to above are on the Pilot/Escort vehicle and Travel Time Requirements Map.

When exceeding the above maximum dimensions allowed for a route, movement will be allowed only by single trip permit.

(k) Annual, Extended, And/Or Other Permits

Permits for continuous operation are issued to a single power unit. In the case of specially constructed equipment mounted on a towed vehicle, or if the towed vehicle is only hauling an oversize but not overweight load, the permit may be issued to the towed vehicle.

VEHICLE SIZES & WEIGHTS MANUAL

The maximum size of loads under an annual permit for black and Interstate routes is 14 feet 6 inches in width, a height of 15 feet 6 inches, and a combination length of 110 feet including load overhang. Annual permits for red routes are limited to 12 feet 6 inches in width.

Annual permits will not be issued for gross weights exceeding 200,000 pounds for any colored route (only single trip permits will be issued).

Since fees are based on the number of axles and gross weights to calculate fee per mile, annual overweight permits will be issued for various combinations including those with a different number of axles and higher gross weights for those axles. The number of axles in the configuration may be greater than the number of axles listed on the permit.

(I) Sealed Containerized Cargo Permits

Idaho does not allow sealed containerized cargo containers movements to exceed legal weights.

III. SUPER LOADS

In Idaho, super loads are defined as any load that exceeds 16 feet wide, 16 feet high, or 120 feet long. Weight restrictions are determined by a weight chart system. See the Idaho Transportation Department website for more details.

A schematic drawing showing axle placement, distance between axles and distribution of gross weight on axles may be required for all super loads.

Any load over 18 feet wide, 16 feet high, 120 feet long, must be approved by each District through which the load is travelling.

IV. AGENCY REFERENCES

(a) Sizes and Weights

Regulatory agency

Idaho Department of Transportation, Overlegal Permit Office
(208) 334-8420 or (800) 662-7133
dmv.idaho.gov

Permit agency

Same as above, (800) 662-7133

Super loads

Idaho Transportation Department, Motor Carrier Services - Permits
(208) 334-8420 or (800) 662-7133
Hours: 7:30 a.m. - 5 p.m. (Mountain Time)
dmv.idaho.gov

Enforcement agency

Idaho Transportation Department, Ports-of-Entry Services
(208) 334-8688 (Ports of Entry)
dmv.idaho.gov

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Illinois must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate and Designated Federal-aid Highways Class I & II	On Other State and Supplemental Highways Class III & Non-Designated
Width:	8 ft 6 in	8 ft 6 in
Height:	13 ft 6 in	13 ft 6 in
Length:		
Straight Trucks	42 ft	42 ft
Straight Trucks and Trailer	60 ft	60 ft
Tractor-semitrailer combinations	Not specified	65 ft overall or 55-ft maximum wheelbase
Tractor-semitrailer-trailer or Tractor-semitrailer-semitrailer combinations	Class I & II highways – Overall not specified; Class II highways – 65 ft center of front axle to center of rear axle	60 ft
Semitrailer	53 ft*	53 ft*
Tractor-towed item	60 ft	60 ft
Pickup-5th wheel combination	60 ft	60 ft
Trailers of twin-trailer combinations	28 ft 6 in	Not specified
Auto-transporter combination	65 ft (plus 3-ft front, 4-ft rear overhang)	60 ft
Stinger-steered	75 ft (plus 3-ft front, 4-ft rear overhang)	60 ft
Saddlemounts	60 ft (3 vehicles)	60 ft
Drawbar length	15 ft	15 ft
Special limitations or restrictions	*Semitrailers greater than 48 ft, 45 ft 6 in. maximum kingpin to center of rear axle.	*Semitrailers greater than 48 ft, 42 ft 6 in. maximum kingpin to center of rear axle.
	Class I, II, & III	Non-Designated (Other State Highways and Local Roads)
Weight: ***		
Single axle	20,000 lb	20,000 lb
2-Axle Tandem	34,000 lb	34,000 lb

VEHICLE SIZES & WEIGHTS MANUAL

	On Interstate and Designated Federal-aid Highways Class I & II	On Other State and Supplemental Highways Class III & Non-Designated
3-Axle Tandem (with at least 9 ft of spacing)	42,500 lb	42,500 lb
Steering axle	20,000 lb	20,000 lb
Load per inch width of tire	800 lb/in	800 lb/in
-or-		
Gross wheel weight	N/S	N/S
Gross vehicle weight	80,000 lb	80,000 lb
Tolerances	N/S	N/S

*Vehicles with a fully functional auxiliary power unit (APU, or idle reduction unit) are allowed an additional 400 lb or the certified unit's weight, whichever is less. The additional weight is allowed in gross, axles, or bridge formula weights, except when overweight on an axle or axles of the towed unit(s) in combination. Operators must carry written certification of the APU's weight and must be able to demonstrate that the APU is fully functional at all times.

**Weight limits apply on all roads within Illinois unless posted otherwise.

Special Hauling Vehicle (SHV) registration allows certain vehicles to be exempted from the federal bridge formula while operating on Illinois highways. The following are exceptions to the bridge formula:

- A 3-axle discharge truck mixer registered as an SHV, used exclusively for the mixing and transportation of concrete in the plastic state, may when laden transmit upon the road surface, except when on part of the Interstates and designate highways, the following maximum weights: 22,000 pounds on a single axle; 40,000 pounds on a tandem axle; 54,000 pounds gross weight on a 3-axle vehicle.
- Except as provided in the item above, tandem axles on a 3-axle truck registered as an SHV, manufactured prior to or in the 2024 model year and first registered in Illinois prior to January 1, 2025, with a distance greater than 72 inches but not more than 96 inches between any two axles, is allowed a combined weight on the axles not to exceed 36,000 pounds and neither axle in the group can exceed 20,000 pounds (any of this vehicle type manufactured after December 31, 2024, may not exceed a combined weight of 34,000 pounds through the two axles and neither axle in the group may exceed 20,000 pounds). A three-axle combination sewer cleaning jetting vacuum truck registered as an SHV, used exclusively for the transportation of non-hazardous solid waste, manufactured before or in the 2014 model year, first registered in Illinois before January 1, 2015, may when laden transmit upon the road surface, except when on part of the Interstates and designated highways, the following weights: 22,000 pounds on a single axle; 40,000 pounds on a tandem axle; 54,000 pounds gross weight on a 3-axle vehicle.
- A 4-axle truck mixer registered as an SHV, used exclusively for the mixing and transportation of concrete in the plastic state, manufactured before or in the 2024 model year, first registered in Illinois before January 1, 2025, and not operated on Interstates and designated highways, is allowed the following maximum weights: 20,000 pounds single axle; 36,000 pounds on a series of axles greater than 72 inches but not more than 96 inches; and 34,000 pounds on any series of two axles greater than 40 inches but not more than 72 inches. The gross weights of the vehicle may not exceed the weights allowed by the bridge formula for four axles. The bridge formula does not apply to any series of three axles while the vehicle is transporting concrete in the plastic state, but no axle or tandem axle of the series may exceed the maximum weight permitted in this paragraph.
- Combinations of vehicles, registered as SHVs, that include a semitrailer manufactured prior to or in the 2024 model year and registered in Illinois prior to January 1, 2025, having five axles with a distance of 42 feet or less between extreme axles, may not exceed the following weights: 20,000 pounds on a single axle; 34,000 pounds on a tandem axle; and 72,000 pounds gross weight.

The SHV registration is \$125 and can be obtained at the Commercial and Farm Truck Division office in Springfield, IL, and at Level 3 Secretary of State facilities. The office will issue a decal to be placed in the corner of the windshield on the passenger-side of the vehicle.

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Call the Illinois State Police at (217) 782-6267 or the Commercial and Farm Truck Division at (217) 782-4815 for more information.

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Operators of vehicles that exceed legal size and weight limits must obtain an oversize/overweight permit from the Illinois Department of Transportation (IDT) Permit Office in Springfield before making any movement in Illinois. IDT will grant permits for vehicles and loads that cannot be reasonably dismantled, reduced, or otherwise separated, for movement on state highways; however, more than one overdimensional object may be transported if it does not result in another dimension that exceeds legal limits. Permits to move empty overdimension trailers may be obtained, but these trailers may not normally be used to transport legal-size loads.

Overlength permits are required for empty vehicles that exceed legal dimensions, for objects that exceed 80 feet in length, and for loads on a single vehicle or on the first vehicle of a combination that protrude three feet beyond the front pumper. Protruding sections of a single vehicle (such as the boom of a mobile crane) may extend more than three feet beyond the front bumper.

Permit applications for movement on local streets or highways must be submitted to the local authorities having maintenance jurisdiction over the street or roadway. Within the City of Chicago, it is necessary to obtain permits from both the state and City of Chicago for travel on State highways other than the expressways.

Single trip permits are issued for one one-way movement and are valid for five working days.

Round trip permits are issued provided that the same or "like" object is to be moved in both directions, the same vehicle is to be utilized (except that another vehicle bearing the same IDT Registration Class A or B may be substituted for the return trip), and the same route is to be traveled in the reverse direction. The permits are valid for 10 working days for one round trip move.

Supplemental permits may be issued to extend, revise, or correct permits which are still valid. Permit extensions and one permit revision may be granted for single trip permits. A single trip permit will not be revised to include "round trip" after the permit has been issued. Extensions will not be issued for limited continuous operation permits.

Routine permits are available at <https://truckpermits.dot.illinois.gov/>, or may be applied for by telephone, mail, or by walk-in. Routine permits applied for online for loads up to 12 feet in width, 115 feet in length, 13 feet 6 inches in height, and legal weight are generally issued 24 hours a day, seven days a week.

Permits for overweight or overdimensional movements over the Illinois Toll Highway System must be obtained from the Illinois Toll Highway Commission. Permit applications for movement upon local streets or highways must be submitted to local authorities having jurisdiction over the street or roadway. Within the City of Chicago, it is necessary to obtain permits from both Illinois and the City of Chicago.

The Department of Transportation does require oversize/overweight permits for movements leading to and from toll highways, but has no authority to issue permits for moves over streets or highways not under its control or jurisdiction. A permit issued by the Department specifically states that it is void on any highway other than a state-maintained highway. Submit permit applications for movement upon local streets or highways to the local authorities having jurisdiction over those streets and highways.

Permits are issued to a person, firm, or corporation that owns and operates the transporting vehicle or that operates the transporting vehicle under a lease agreement (including any permittee "doing business as" another company).

Permits must be carried in the vehicle or combination to which it applies along with Form OPER 993, a form that contains applicable conditions and restrictions for the permit.

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Permit exemptions

The laws governing size, weight, and load do not apply to fire apparatus; equipment for snow and ice removal operations owned or operated by any governmental body; implements of husbandry temporarily operated or towed in a combination upon a highway, provided such combination does not consist of more than three vehicles or, in the case of hauling fresh perishable fruits or vegetables from farm to the point of first processing, not more than three wagons being towed by an implement of husbandry.

Length limitations do not apply to vehicles operated in the daytime (except Saturdays, Sundays, or legal holidays) when transporting poles, pipe, machinery, or other objects of a structural nature that cannot readily be dismembered, provided the overall length of vehicle and load do not exceed 100 feet and no object exceeding 80 feet in length may be transported unless a permit has been obtained. The length limits also do not apply to vehicles and loads operated by a public utility when en route to make emergency repairs to public service facilities or properties, but during the night operation every vehicle and its load must be equipped with a sufficient number of clearance lamps on both sides and marker lamps upon the extreme ends of any projecting load to clearly mark the dimensions of the load.

The following vehicles may exceed the legal width limit during the period between ½ hour before sunrise and ½ hour after sunset:

- Loads of hay, straw, or other similar farm products provided that the load is not more than 12 feet wide;
- Implements of husbandry being transported on another vehicle and the transporting vehicle while loaded;
- Portable buildings designed and used for agricultural and livestock raising operations that are not more than 14 feet wide and with not more than a one-foot overhang along the left side of the hauling vehicle; however, the buildings may not be transported more than 10 miles and not on any National System of Interstate and Defense Highways, all buildings while being transported must display two red cloth flags at least 12 inches square, mounted as high as practicable on the left and right side of the building, and a state police escort is required if it is necessary for the load to use part of the left lane when crossing any two-lane state highway bridge.

Also exempt from legal limitations are persons, teams, motor vehicles, and other equipment engaged in work upon the surface of the highway; legal limitations, however, do apply to these persons and vehicles traveling to or from such work.

(b) Fees

Permit fees may be paid for by credit card or through an Electronic Funds Transfer.

An applicant may establish a bonded charge account or escrow account with the Permit Office in place of paying for each permit before it is issued, or establishing a prepaid escrow account.

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The following fees are for vehicles or combinations not exceeding legal weights:

Dimensions	Single Trip Permits (Distances)			
	First 90 mi.	90 - 180 mi.	180 - 270 mi.	More than 270 mi.
<ul style="list-style-type: none"> • Width 10 ft or less • Height 14 ft 6 in or less • Overall length 70 ft or less 	\$12	\$15	\$18	\$21
<ul style="list-style-type: none"> • Width 12 ft or less • Height 14 ft 6 in or less • Overall length 85 ft or less 	\$15	\$20	\$25	\$30
<ul style="list-style-type: none"> • Width 14 ft or less • Height 15 ft or less • Overall length 100 ft or less 	\$25	\$30	\$35	\$40
<ul style="list-style-type: none"> • Width 18 ft or less (authorized only under special conditions and for limited distances) • Height 16 ft or less • Overall length 120 ft or less 	\$30	\$40	\$50	\$60
<ul style="list-style-type: none"> • Width more than 18 ft (authorized only under special conditions and for limited distances) • Height more than 16 ft • Overall length more than 120 ft 	\$50	\$75	\$100	\$125

The following fees are for permits to move legal gross weight vehicles, combinations of vehicles, and loads with overweight-axle loads (for each overweight single axle or tandem axle group, the flat rate fees below scheduled for increments of 45 miles or fraction thereof including issuance fee predicated up on a 20,000 pound single axle equivalency):

20,000-pound Single Axle Equivalency Fees			
Axle weight in excess of legal	2-axle single axle	3-axle tandem	Tandem
1-6,000 lb	\$5	\$5	\$5
6,001-11,000 lb	\$8	\$7	\$6
11,001-17,000 lb	not permitted	\$8	\$7
17,001-22,000 lb	not permitted	not permitted	\$9
22,001-29,000 lb	not permitted	not permitted	\$11

The fees for overweight-gross loads are as follows:

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Total axles:	6 or more	6 or more	6 or more	6 or more	6 or more	6 or more	5	4 or more	3 or more	3 or more	2
Gross weight max:	88,000	100,000	110,000	120,000	88,000	100,000	72,000	60,000	68,000	48,000	
Front tandem or axle (max)/# of axles:	34,000/2	44,000/2	44,000/2	48,000/2	44,000/2	48,000/2	34,000/2	21,000/1	21,000/1	25,000/1	
Rear tandem or axle (max)/# of axles:	48,000/3	54,000/3	54,000/3	60,000/3	44,000/2	48,000/2	40,000/2	44,000/2	48,000/2	25,000/1	
Distance											
0-45 mi.	\$10	\$15	\$20	\$30	\$20	\$30	\$15	\$20	\$20	\$15	\$15
46-90 mi.	12.50	25	32.50	55	32.50	55	25	32.50	32.50	25	25
91-135 mi.	15	35	45	80	45	80	35	45	45	35	35
136-180 mi.	17.50	45	57.50	105	57.50	105	45	57.50	57.50	45	45
181-225 mi.	20	55	70	130	70	130	55	70	70	55	55
226-270 mi.	22.50	65	82.50	155	82.50	155	65	82.50	82.50	65	65
271-315 mi.	25	75	95	180	95	180	75	95	95	75	75
316-405 mi.	27.50	85	107.50	205	107.50	205	85	107.50	107.50	85	85
361-405 mi.	30	95	120	230	120	230	95	120	120	95	95
406-450 mi.	32.50	105	132.50	255	132.50	255	105	132.50	132.50	105	105
451-495 mi.	35	115	145	280	145	280	115	145	145	115	115

The fees in this table include dimensions up to 15 ft high; 145 ft long; 12 ft wide.
 For loads having width between 12 ft 1 in. and 14 ft 6 in., an additional \$15 is added to the fees in this table.
 For loads having any dimension greater than 15 ft high, 145 ft long, 14 ft 6 in. wide, an additional fee from the overweight axle table above is added to the fee in this table along with a \$50 application fee.
 A \$1 transmission fee is added to each permit mailed, e-mailed, or faxed.

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Miscellaneous move fees:

Ag commodities 2-, 3-, 4-, or 5-axle tractor-semitrailer carrying sweet corn, wheat, grain, soybeans, corn, milo, or ensilage within a 50-mile radius of origin (40 days)	\$5/axle
Repeated overweight and/or overdimension moves directly across a highway, each vehicle	15
Supplemental permit fee	5

(c) Insurance Requirements

Proof of financial responsibility does not need to be on file with the Permits Section as a prerequisite to obtaining a routine permit. Owners and/or operators of escort vehicles or vehicles with oversize loads exceeding 10 feet in width, 13 feet 6 inches in height, 110 feet in length, or overweight must have in effect or be self-insured in the minimum amount of \$500,000 per occurrence combined bodily injury and property damage. Additional coverage may be required consistent with regulations of the United States Department of Transportation Federal Motor Carrier Safety Administration and the Illinois Commerce Commission. For instance, a move made "for hire" will have to meet the insurance requirements established by the Illinois Commerce Commission.

Owners and/or operators of vehicles with exceptionally large or heavy loads that require closing a highway, traveling at a slow speed on structures, or other maneuvers unexpected by the other motorists, may be required to have higher insurance limits, based upon an estimate of potential damages.

(d) Permitted Vehicle Limitations

The following maximum dimensions are allowed for permits in Illinois:

Vehicle/ Load Conditions	Maximum Dimensions
Width	<p>Width up to 14 feet 6 inches, except for toll highways and certain expressways in the Chicago area (permits may be issued for vehicles/loads greater than 14 feet 6 inches under specific circumstances).</p> <p>On toll highways and certain expressways in the Chicago area, the maximum width under permit is 12 feet.</p> <p>Horizontal clearances at bridges and other obstructions must exceed the overall width of the load by 24 inches or more. When practical, the load may be raised over handrails in order to clear, though the vertical clearance between the top of the handrail and the underside of the load must be at least 18 inches.</p>
Height	<p>The practical maximum height under permit is 15 feet.</p> <p>The maximum height authorized on Chicago-area controlled-access highways is 13 feet 6 inches.</p> <p>Horizontal clearances at bridges and other obstructions must exceed the overall width of the load by 24 inches or more. On highways, a three-inch clearance generally is specified to allow for bounce.</p>
Length	<p>The practical maximum length for permit movements is 145 feet (after analysis of an individual movement, the Department may issue permits for greater lengths).</p>

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The following maximum practical weights are allowed for permits in Illinois (although many bridges will not carry these weights, there are routes to most destinations) and on the Chicago expressways:

Vehicle/Load Conditions	Maximum Weights
6 or more axle tractor semitrailer combination	<ul style="list-style-type: none">• 120,000 lb gross• 48,000 lb on drive tandem• 60,000 lb on semitrailer tandem
5-axle tractor semitrailer combination	<ul style="list-style-type: none">• 100,000 lb gross• 48,000 lb on either tandem
4 or more axle vehicles (axle spacing 23 ft or more)	<ul style="list-style-type: none">• 76,000 lb gross• 34,000 lb on one tandem• 44,000 lb on the other
3 or more axle vehicle (axle spacing 18 ft or more)	<ul style="list-style-type: none">• 68,000 lb gross• 20,000 lb on one axle• 48,000 lb on the tandem
2-axle vehicle	<ul style="list-style-type: none">• 48,000 lb gross• Neither axle exceeds 25,000 pounds

The spacing requirements for all overweight loaded routine and super load permits, as well as all towed routine permits, are as follows:

- The spacing between the steer axle and the first axle on the tractor tandem may not be less than 8 feet 1 inch;
- The spacing before the first axle of the trailer may not be less than 18 feet 6 inches; and
- The sum of all axle spacings must be at least 43 feet 6 inches.

All towed permits that do not meet these minimum spacing requirements will automatically be processed as a super load permit.

The minimum size of vehicles that may tow a load 10 feet wide or more is a $\frac{3}{4}$ -ton truck or equivalent.

The minimum combination of vehicles authorized to transport an object for which an overweight permit will be issued shall consist of a standard tandem axle truck tractor drawing a tandem axle semitrailer. The Department shall consider issuing a permit for an overweight single or tandem axle on a combination of vehicles with less than five axles, providing the gross weight is legal, if the excess weight is caused by equipment which is permanently affixed to a framework or semitrailer with a single or tandem axle. No overweight permits will be issued for a two-axle truck tractor drawing a three-axle semitrailer. No permit may be issued for overweight whenever the load could be carried with legal weights on a vehicle of increased length or number of axles.

Permits may be issued for overweight vehicles and objects if they have been reasonably disassembled and the highway system can adequately carry the weight. Overweight movements may only consist of a single object. Overweight equipment may be moved with normal components attached.

Overweight movements in excess of the practical maximums or on nonstandard vehicles or with nonstandard axle configurations may be authorized if allowable pavement and bridge stresses are not exceeded. These moves require additional time for analysis.

| (e) Sign Requirements

The OVERSIZE LOAD sign is required on all loads greater than 10 feet wide, 14 feet 6 inches high, and 75 feet long.

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The OVERSIZE LOAD should have 12-inch black letters with a two-inch stroke on a yellow sign that is seven feet wide by 18 inches high (minimum lettering is 10 inches high with a 1.41-inch brushstroke).

(f) Flags and Lighting Requirements

Flags

All flags must be clean, bright red flags with no advertising, wording, emblem, or insignia inscribed upon them, and at least 18 inches square. Flags must be displayed on all extremities, protrusions, projections, and overhangs.

Lights

Rotating or flashing amber lights mounted on top of the vehicle, and on the rear of the load, if necessary, must be in operation during the movement of all oversize and/or overweight permit loads and must have sufficient intensity, when illuminated, to be visible at 500 feet in normal sunlight.

The rotating or flashing amber lights must be clearly visible to traffic approaching from the front and the rear of the transport vehicles for at least 500 feet. If the load on the vehicle blocks the visibility of the amber lighting from the rear of the vehicle, the vehicle must also be equipped with rotating or flashing amber lights on the rear of the load.

Vehicles transporting objects over 80 feet in length must be equipped with two rotating or flashing amber lights:

- One over the cab of the vehicle; and
- The other within 10 feet of the rear of the object, mounted as high as practical over it.

Emergency moves at night, if authorized, shall also display rotating or flashing amber lights.

(g) Escort/Flagperson Requirements

Escorts are required as follows:

Load Conditions	Escort Requirements
For all moves: <ul style="list-style-type: none">• Exceeding 14 feet 6 inches in width;• Exceeding 14 feet 6 inches in height;• Exceeding 110 feet in length; or• Across, upon, or along a highway when, in the Permit Office's opinion, one is necessary to protect the traveling public.	One civilian escort vehicle
For all moves exceeding: <ul style="list-style-type: none">• 18 feet in height;• Both 14 feet 6 inches in width and 14 feet 6 inches in height;• Both 14 feet 6 inches in width and 110 feet in length; or• Both 14 feet 6 inches in height and 110 feet in length.	Two civilian escort vehicles
For all: <ul style="list-style-type: none">• Moves that exceed 16 feet in width;• Moves that exceed 145 feet in length; or• Towed special haul rigs more than 150 feet in length.	Three civilian escort vehicles

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Load Conditions	Escort Requirements
<p>For all:</p> <ul style="list-style-type: none">• Moves over 18 feet in width;• Moves over 18 feet in height;• Overweight moves where bridge restrictions require that all traffic be kept off of a structure while the permitted vehicle crosses;• Moves over 200 feet in length;• Moves of an unusual nature where the Permit Office decides extra traffic protection is necessary; or• Moves when deemed necessary by the Department's Bridge Office's analysis.	<p>Illinois State Police escorts (permittees must make arrangements with the state police at least 24 hours prior to the move)</p>

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(h) Escort Car/Company Requirements

The requirements for civilian escort vehicles and drivers are as follows:

- A civilian escort vehicle may be a passenger car, or a second division vehicle not exceeding a gross vehicle weight of 8,000 pounds that is designed to afford clear and unobstructed vision both front and rear;
- All escort vehicle operators must be 18 years of age or over and properly licensed to operate the vehicle;
- Escort vehicles must travel approximately 300 feet in front of the load on two-lane highways and the same distance to the rear on multilane highways in rural areas;
- When traveling within the corporate limits of a city or town, the escort vehicle must maintain a reasonable and proper distance consistent with existing traffic conditions (however, the required escort vehicle with a height pole for overheight movements **must** travel in front of the load);
- A separate escort must be provided for each load hauled under permit; movements in convoys are prohibited unless a State Police escort vehicle is also required, then the Permit Office may authorize convoy movement for multiple loads;
- The operator of the escort vehicle must obey all traffic laws;
- The escorting vehicle shall be in safe operational condition;
- The driver of the escort vehicle must be in radio contact with the driver of the permit vehicle;
- Owners and/or operators of escort vehicles must have in effect or be self-insured in the minimum amount of \$500,000 per occurrence combined bodily injury and property damage; and
- A pole for measuring vertical clearances must be mounted on escort vehicles leading loads in excess of 14 feet 6 inches in height and tThe escort driver is required to alert the driver of the permit vehicle to any overhead obstructions that will not clear the load.

Escort car signs, flags, and lights

The vehicle must be equipped with rotating or flashing amber lights mounted on top that are of sufficient intensity, when illuminated, to be visible at 500 feet in normal sunlight.

When operating on a two-lane highway, the escort vehicle must travel ahead of the load and the rotating or flashing lights and an OVERSIZE LOAD sign must be displayed on the escort vehicle and be visible from the front; when the escort trails, the sign must display toward the rear. Escort vehicle OVERSIZE LOAD signs may include eight-inch letters on a yellow panel that is five feet wide by 12 inches high.

(i) Travel Restrictions

Permit movements may be made only from ½ hour before sunrise to ½ hour after sunset on weekdays and from ½ hour before sunrise until noon on Saturdays, except that:

- Categorical permit moves that are overweight only can move with no time restrictions; and
- Permit movements up to 12 feet in width, and/or 13 feet 6 inches high, and/or up to 115 feet in length that do not exceed practical maximum weights may be made seven days per week between ½ hour before sunrise to ½ hour after sunset, excluding holidays.

Overdimension permit loads with dimensions greater than 12 feet in width, 13 feet 6 inches in height, 115 feet in length are authorized to move between ½ hour before sunrise and ½ hour after sunset, Monday through Friday, and from ½ hour before sunrise until noon on Saturday (unless otherwise provided on the provision sheet or permit).

Permit movements of loads exceeding practical maximum weights, 12 feet in width, or 13 feet 6 inches in height on State jurisdiction roads in Cook County are prohibited on the expressways in Cook County, except

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I-55 north of exit 277, I-57 south of US 6 (159th St.), and I-290 north of toll road Interstate 294. All permit-related questions concerning roads under Cook County jurisdiction, excluding routes in the City of Chicago, should be directed to the Cook County Permit Office at (312) 603-1670.

For permits and travel time restrictions on all routes under the City of Chicago's jurisdiction, including roads within the Central Business District from Cermak Rd. (2200 S) to the south, Division St. (1200 N) to the north, Halsted St. (800 W) to the west and Lake Michigan to the east, contact the City of Chicago at (312) 744-4696. All permit-related questions concerning roads under the City of Chicago's jurisdiction should be directed to the City of Chicago Permit Office at (312) 744-4696.

Movements may not be made when the highway is covered with snow or ice or when visibility is impaired by rain, snow, fog, or smog, or at any time travel conditions are considered unsafe by the Illinois State Police.

Permitted loads may not move over a bridge posted at less than the permitted weight or less than legal weight. If the permittee finds that the proposed move exceeds the posted load limit on a route listed in the permit, the permittee should contact the permit issuing office to obtain a revised route around the posted load limit route.

Permit movements must be made over the routes listed in the permit.

Loads exceeding 14 feet 6 inches in width will generally be routed over multilane highways whenever possible even though additional travel distance may result.

The Illinois DOT does not guarantee and the permittee cannot assume that the posted height or width is adequate for a movement. It is the permittee's responsibility to ensure that railroad grade crossing clearances are adequate along the route.

Vehicles operating under the authority of a permit may not travel in convoys.

Holiday restrictions

Permit movements are not allowed later than noon on the day preceding a holiday or a holiday weekend:

New Year's Day	Thanksgiving Day
Labor Day	Independence Day
Memorial Day	Christmas Day

Movement under special permit is authorized on Martin Luther King's Birthday, Lincoln's Birthday, Washington's Birthday, Veteran's Day, and Columbus Day, but permits must be secured beforehand since permit offices are closed on these holidays.

Speed limits

Unless the permit indicates otherwise, the maximum speed for permitted vehicles operating in rural areas is 5 miles per hour under the maximum posted speed limit. Legal weight, legal height movements up to 10 feet wide may travel at the legal maximum speed limit.

The speed limit stated in the permit is one of the conditions upon which the permit was issued, and takes precedence over any maximum speed limit posted on any highway. A violation of the speed limit stated in the permit may subject the driver to arrest.

(j) Manufactured Housing Permits

Limited continuous operation permits for the movement manufactured homes or modular sections or oversize storage buildings may be issued, provided:

- The overall dimensions do not exceed 16 feet in width, 15 feet in height, and 115 feet in length (Note: one civilian escort is required for loads that exceed 14 feet 6 inches in width or 14 feet 6 inches in height, or 110 feet in length); and;

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- The permittee is a dealer licensed by the Secretary of State of Illinois or by another state to do business as a manufactured home dealer; a hauler having an Illinois Commerce Commission permit; a hauler having an Interstate Commerce Commission permit; a manufactured home manufacturer; or a federal, State, or local government agency.

Limited continuous operation permits may be issued for the movement of stackable manufactured home frames provided:

- The overall dimensions do not exceed 16 feet in width, 13 feet 6 inches in height, and 115 feet in length (Note: one civilian escort is required for loads that exceed 14 feet 6 inches in width or 110 feet in length);
- The permittee is a dealer licensed by the Illinois Secretary of State, or another state, to do business as a manufactured home dealer, a hauler having an Interstate Commerce Commission permit; a manufactured home manufacturer; or a federal, State, or local government agency; and
- The bottom frame is equipped with operational brakes and lights.

The following are the minimum size vehicles that may be used to tow manufactured homes:

- Eight feet wide — passenger car;
- Over 8 feet up to 10 feet wide, 70 feet overall length — $\frac{3}{4}$ -ton truck;
- Over 10 feet up to 12 feet wide, 85 feet overall length — one-ton truck with dual wheels; and
- Over 12 feet wide up to 95 feet overall length — two-ton truck with dual wheels.

Movements of house trailers over 12 feet wide are prohibited when wind gusts exceed 25 mph.

Permits are available for the movement of buildings and/or building sections.

(k) Annual, Extended And/Or Other Permits

Repeated moves of like objects

Permits for “repeated moves of like objects” that are monolithic and for permanent use in their transported form may be issued provided the objects are to be moved from the same origin to the same destination, there will be at least five trips, and all trips will be completed within 30 days. These permits are issued at a reduced fee of \$4 off per permit after the first regularly charged permit.

Some items that may be moved under these permits include massive precast concrete beams; cast, rolled, or extruded iron or other metal beams, girders, or fittings; and laminated timber beams. Items not included are fabricated, framed, or assembled objects; building sections; trusses; built-up girders or columns; machines; and vehicles, including house trailers or boats.

The Permit Office will also consider permit requests for a series of like objects varying in size and weight, though the permits themselves will be written for the largest of the objects (e.g., the permits for a series of concrete beams all the same design varying slightly in length and weight will all be written for the largest beam).

Limited continuous operation permits

Permits may be applied for online, by fax, or in writing.

Permits for limited continuous operation are available for three months or one year unless otherwise noted. Movement on limited continuous operation permits is valid on the system of State highways under the jurisdiction of the Department of Transportation. The permittee may move only on State routes approved for loads that do not exceed practical maximum weights. Prior to each move, the permittee must research construction zones, posted structures, approved overweight routes, etc., from:

- <http://www.dot.il.gov/tpublic.html#truckers>, which lists information such as legal weights, ton structures and restrictions;

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- <http://www.gettingaroundillinois.com>, which is an online designated truck route and overweight truck route interactive map; and
- The "Illinois Overweight and Overheight Permit Routes" map, which is a hard copy map mailed to the permittee upon request.

Information and maps on the websites provided above take precedence over the hard copy map mailed to the permittee with the permit.

All permits must be made in strict compliance with the regulations and Form OPER 993. The permit cannot be transferred, extended, or altered.

The permittee may not exceed the posted weight limit on any bridge.

The following is a list of available limited continuous operation permits:

- The movement of oversize legal weight construction equipment or other vehicles, provided:
 - The movement will consist of a specific vehicle, a piece of construction equipment, or "like" load. The vehicle or load may be moved on a specific vehicle, under its own power, or on a tractor-semitrailer combination. A "like" load must be the same as the load described in the permit. To minimize trips and conserve fuel, a permittee may haul, along with the designated object or "like" load, an additional legal size object, provided it is loaded within the legal width, height, and length dimensions and the axle and gross weights are legal;
 - The vehicle or combination of vehicles is properly licensed, if plates are required;
 - The overall dimensions do not exceed 12 feet in width, 14 feet 6 inches in height, and 115 feet in length; and
 - A permit may be obtained to move an overdimensional empty vehicle that is normally used to haul oversize or overweight permit loads. Such permits are needed when returning empty after having delivered an oversize or overweight piece of equipment. To minimize trips and conserve fuel, the permittee may, instead of returning empty, haul a legal size object with this permit, provided the axle and gross weights are legal and the object conforms to the legal width, height, and length limits.
- Highway construction, transportation, utility, and maintenance equipment owned and operated by a local government authority for a period of one year.
- Trusses up to 14 feet wide and 115 feet long, provided the overall dimensions do not exceed 14 feet in width, 13 feet 6 inches in height, and 115 feet in length (Note: one civilian escort is required for loads that exceed 110 feet in length).
- Homogenous oversize items of any nature provided the overall dimensions do not exceed 12 feet in width, 14 feet 6 inches in height, and (nonstackable loads) 15 feet in length (Note: one civilian escort is required for loads that exceed 110 feet in length).
- Overweight loads, provided:
 - Weights are within the practical maximums; and
 - The overall dimensions do not exceed 12 feet in width, 13 feet 6 inches in height, and 115 feet in length (Note: one civilian escort is required for loads that exceed 110 feet in length).
- Oversize/Overweight vehicles and combinations from disablement sites, provided:
 - No single axle within a tandem exceeds 26,000 pounds;
 - No two-axle tandem exceeds 50,000 pounds;
 - No three-axle tandem exceeds 60,000 pounds;
 - The overall dimensions do not exceed 10 feet in width, 13 feet 6 inches in height, and 115 feet in length (Note: one civilian escort is required for loads that exceed 110 feet in length); and
 - The movement is from the site of disablement to a point where repairs actually occur.

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- Oversize/Overweight vehicles and combinations to derailment sites provided the weights are within the practical maximums and the overall dimensions do not exceed 12 feet in width, 13 feet 6 inches in height, and 110 feet in length.
- Raw milk transporters provided the gross weight does not exceed 80,000 pounds and single axles do not exceed 20,000 pounds, weight on tires does not exceed the manufacturer's rating, and the permittee does not travel on Interstate Highways.

When limited continuous operation permits are issued, the original must be kept in the truck's cab and a copy must be kept at the office.

Permits for repeated moves directly across a highway

The distinguishing features of this type of permit are:

- The moves will be repetitive;
- The moves will be made directly across a State-maintained highway;
- The moves will be made in the course of industrial, construction, research, or testing activity;
- The vehicles to be moved or utilized or the objects to be transported need not be dismantled or disassembled; and
- Permits will be issued for a period not to exceed six months.

Permits for overweight two-, three-, four-, or five-axle trucks and/or truck/tractors loaded with certain agricultural products

Permits to move overweight two-axle trucks loaded with sweet corn, soybeans, corn wheat, milo, or other small grains and ensilage may be issued for a period not to exceed 40 days, provided:

- The movement will not exceed 50 miles;
- The axle and/or tandem weights of these loads will not exceed 35 percent above the legal limitations for two-axle trucks; 20 percent for three- and four-axle trucks, and 10 percent for five-axle trucks;
- The truck is licensed for the proper gross weight being hauled;
- The total gross weight does not exceed practical maximum weights;
- The permittee does not travel on Interstate Highways; and
- The moves are made between ½ hour before sunrise and ½ hour after sunset.

Illinois Tollway permits

Overweight and overdimensional permits should be ordered a day ahead of the date the vehicle is to travel. Call (630) 241-6800 ext. 3822 or 3847. Vehicles must have a state overweight permit number prior to requesting a Tollway overweight permit.

Overdimension permit vehicles are restricted to the following hours of operation*:

Day	Permitted Hours
Monday through Friday	½ hour before sunrise, to ½ hour after sunset
Saturday	½ hour before sunrise to noon
Sunday	May not travel on Tollway

*Vehicles that are of legal weight, length, and height hauling overwidth farm equipment and that are exempt from the State permit requirement are also exempt from the Tollway's overwidth permit requirement. These vehicles may travel on the Tollway ½ hour before sunrise to ½ hour after sunset, 7 days a week, including holidays.

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Overlength. Any vehicle whose overall length exceeds 100 feet, or whose load length exceeds 80 feet, must have prior approval before entering the Tollway and will require a permit based on the overall length of the vehicle, including any overhang, and the points at which the vehicle will enter and exit the Tollway. A vehicle must have a state overdimension permit prior to requesting a Tollway overlength permit.

Overlength vehicle permits are subject to routing. Permits can be obtained at toll plazas and the fee is \$15 for vehicles 100 feet 1 inch to 145 feet in length.

Maximum vehicle length may determine the route the vehicle is to travel and a vehicle may be required to have rear steering.

Escorts are required if the overall length exceeds 110 feet.

Overwidth. The maximum width on toll roads is 10 feet, except that a width of 12 feet is allowed on the sections of the Tollroad system that carry Interstate Route 80 and US Route 51.

The absolute width for all vehicles is 12 feet, except for buses, which are limited to 8 feet 8 inches.

Overheight. Vehicles exceeding 13 feet 6 inches in height, but not exceeding 14 feet 6 inches, are required to have an overheight permit. Overheight permits may be obtained at toll plazas and the fee is \$15 for vehicles 13 feet 7 inches to 14 feet 6 inches in height.

The absolute height for all vehicles is 14 feet 6 inches.

Permit fees are assessed as follows:

Vehicle Weight (pounds)	Fee
80,000 - 104,000	\$35
104,001 - 120,000	\$150
double tandem 34,001 - 44,200	\$35
double tandem 44,201 - 52,000	\$150

Overweight vehicles with legal dimensions may travel 24/7, including holidays.

Overdimension permit vehicles may not be operated on the Tollway on the following holidays:

New Year's Day	Memorial Day
Independence Day	Labor Day
Thanksgiving Day	Christmas Day

(I) Sealed Containerized Cargo Permits

Illinois does not have special requirements concerning containerized cargo permits.

III. SUPER LOADS

Anything over 120,000 pounds on six axles or over 14 feet 6 inches wide and/or 15 feet high is considered a super load.

Applications must be submitted including axle weight and spacings.

Super load permits are issued from 7:30 a.m. to 4:30 p.m., Monday through Friday, excluding holidays. Engineering fees of \$40 per hour will be charged for bridge analysis.

Movement of objects greater than 16 feet wide and/or 17 feet high are restricted to the hours of 9 a.m. to 3 p.m. Monday through Friday statewide. Permits may be applied for online or by walk-in.

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Due to high traffic volumes in certain areas of the state, or unusual roadway, weather, or other conditions, the time during which some super load permit loads can move may be specified. This time is usually 9 a.m. to 3 p.m. but other restrictions may apply.

IV. AGENCY REFERENCES

(a) Sizes and Weights

Regulatory agency

Department of Transportation
(217) 785-1477, Ext. 1 (outside Illinois)
(800) 252-8636, Ext. 1 (in Illinois)
www.dot.state.il.us/

Permit agency

Same as above.
Hours: 7 a.m. - 4:30 p.m., Monday through Friday

Super loads

Illinois Department of Transportation, Bureau of Traffic
(217) 785-1477, Ext. 1 (outside Illinois)
(800) 252-8636 (in Illinois)
Hours: 7:30 a.m. - 4:30 p.m., Monday through Friday
www.dot.state.il.us/

Enforcement agency

Illinois State Police, Commercial Vehicle Enforcement Bureau
(217) 782-6267
www.isp.state.il.us/

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Reserved

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Indiana must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	All Highways
Width:	102 in
Height:	13 ft 6 in
Length:	
Straight Trucks	40 ft*
Straight Truck-trailer	60 ft**
Straight Truck-trailer-trailer	65 ft
Bus	45 ft
Articulating Bus	65 ft
Tractor-semi-trailer combinations	No limit
Tractor-twin-trailer combination*	No limit
Semitrailer	53 ft***
Trailers of twin-trailer combinations	28 ft 6 in
Maxi-Cube	65 ft (maximum length of separate cargo carrying unit is 34 ft)
Auto-transporter combination	75 ft plus 3-ft front and 4-ft rear overhang
Stinger-steered	75 ft plus 3-ft front and 4-ft rear overhang
Drawbar length	15 ft
Special limitations or restrictions	*Single vehicles with permanently installed specialized equipment used for lifting, reaching, pumping, or spraying are allowed an additional 5 ft for overhang of the equipment (cannot be used to transport cargo). **Effective 7/1/13, except for vehicles used to transport vehicles or boats, including any combination that is used exclusively or primarily in connection with motorsports. ***A semitrailer longer than 48 ft 6 in. may operate on any highway if the distance from the kingpin to rearmost axle is 43 ft or less. Effective 7/1/13, if the combination is used exclusively or primarily with motorsports, the maximum distance between the kingpin and the rearmost axle of the semitrailer is 46 ft and the maximum length of the semitrailer is 57 ft.
Weight: *	
Single axle	20,000 lb
Tandem axle	34,000 lb

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	All Highways
Tridem axle	50,000 lb if have lift axle - 48,000 lb otherwise.
Steering axle	800 lb/in. rim width not exceeding 20,000 lb
Rim width	800 lb/in
-or-	
Gross wheel weight	N/S
Gross vehicle weight	80,000 lb (90,000 lb on toll road)
Tolerances	None

*Heavy-duty vehicles with gross vehicle weight ratings greater than 8,500 lb and that are powered by diesel engines are allowed an additional 400 lb on gross or axle weights to compensate for the weight of auxiliary power units (APU). The APU must provide heat, air conditioning, engine warming or electricity to components on a heavy-duty vehicle and must be certified by the U.S. EPA as meeting applicable emission standards.

INDIANA TOLL ROAD

Special maximum size and weight limits are in effect in Indiana for Toll Road operations. The following are the maximum allowable dimensions for vehicles permitted to operate on toll roads without toll attendant authorization. Vehicles at or under the legal dimensions shall, for toll collection purposes, be classified by axle count and the toll addressed accordingly.

Width:	8 ft 6 in. legal limit
Over 8 ft 6 in. to and including 12 ft 0 in	- Class 7 toll charged
Over 12 ft 0 in	- Special Hauling Permit Required
Height:	13 ft 6 in. legal limit
Over 13 ft 6 in. to and including 14 ft 6 in	- Class 7 toll charged
Over 14 ft 6 in	- Special Hauling Permit Required
Length:	
- Single vehicle under own power (other than buses)	36 ft legal limit (other than buses)
Over 36 ft 0 in. to 65 ft 0 in	- Class 7 toll charged
Over 65 ft 0 in	- Special Hauling Permit required
- Buses	40 ft legal limit
Over 40 ft 0 in. to 65 ft 0 in	- Class 7 toll charged
Over 65 ft 0 in	- Special Hauling permit required
- Two vehicle combination	
Over 60 ft 0 in	- Special Hauling Permit required
- Three vehicle combination	
Over 65 ft 0 in	- Prohibited
- Semitractor and trailer combo	Trailer length is limited to 53 ft 0 in (no overall combination length restriction)
Trailers over 53 ft 0 in	- Special Hauling Permit required
- Semitractor in 3-vehicle combination (Pups)	Trailer length is limited to 28 ft 6 in (no overall combination length restriction)
Trailers over 28 ft 6 in	- Special Hauling Permit required

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Weight:

Maximum single axle weight	22,400 lb
Maximum tandem axle weight	18,000 lb per axle
Maximum gross weight	90,000 lb (axle width applies)
Vehicles over these limits	- Special Hauling Permit required

Special Hauling Permits and Toll Road Gate Permits are issued by:

Indiana Department of Revenue
 5252 Decatur Blvd., Ste. R
 Indianapolis, IN 46241
 (317) 615-7320
<https://motorcarrierip.in.gov/mcsd/mcsdHome>

Permitted movements are subject to the following hours of operation:

Permitted movement type	Hours of operation
Up to 110 ft long, 10 ft wide, 13 ft 6 in. high, and under 200,000 lb	Continuous travel 7 days per week
Over 110 ft long, 10 ft to 14 ft 6 in. wide, and up to 15 ft high	7 days per week (½ hour before sunrise to ½ hour after sunset)
Over 16 ft wide, or over 15 ft high, or over 200,000 lb gross vehicle weight	Monday to Friday 8:30 a.m. to 3:30 pm (other provisions may apply)
Between 14 ft 4 in. wide and 16 ft wide	Monday to Friday (½ hour before sunrise to ½ hour after sunset)
Permitted mobile homes and sectionalized buildings between 8 ft 6 in. and 14 ft 4 in. wide	Monday to Friday (½ hour before sunrise to ½ hour after sunset) Saturday (½ hour before sunrise to noon)

In addition:

- Permitted vehicles are restricted during certain holidays.
- Vehicles exceeding 10 ft 0 in. in width are not allowed to travel during hours of darkness on the Indiana Toll Road.
- Trailer combinations (triples and long doubles) operate under separate rules. Contact Customer Service for information, (574) 674-8836, ext. 420.

Special Hauling Permits and Toll Road Gate Permits may be issued by the Department of Revenue for oversize and overweight loads not conforming to statutory limits.

Toll Road Gate Permits —

A toll road gate permit is needed anytime an oversized or overweight vehicle needs to travel to or from an Indiana toll gate using an Indiana road. The permit is granted for one vehicle, per gate, for one calendar year. It is valid for a distance no greater than 15 miles to or from the toll road gate.

The fee for the permit is \$20 per gate, per truck. To qualify for an annual toll road gate permit, your vehicle must not exceed the following limits:

1. A **single vehicle** which is not over 12 ft wide, 65 ft long, 13 ft 6 in. high, with a maximum weight subject to axle limits and not over 90,000 lb.

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2. **A combination of two vehicles** (tractor-trailer) whose trailer is not more than 53 ft long, 12 ft wide, and 13 ft 6 in. high. Maximum weight, subject to axle limits, may not exceed 90,000 lb.
3. **A combination of three vehicles** (tractor-trailer-trailer) whose trailers are not more than 48 ft 6 in. each in length, 8 ft 6 in. wide, and a height of 13 ft 6 in. The maximum weight, subject to axle limits, may not exceed 127,400 lb.
4. **A combination of four vehicles** (tractor and triple trailer) whose trailers are not more than 28 ft 6 in. each in length, 8 ft 6 in. wide, and 13 ft 6 in. high. The maximum weight, subject to axle limits, may not exceed 127,400 lb.

This type of triple trailer combination is not allowed on any highway other than an Indiana toll road, except between an Indiana toll road designated make-up, break-up area and the nearest toll gate.

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Operators of vehicles that exceed legal size and weight limits must obtain an oversize/overweight permit from the Indiana Department of Revenue, Motor Carrier Services Division (Size and Weight Permits) in Indianapolis before making any move on Indiana highways. The Department will grant permits for vehicles and loads that cannot be reasonably dismantled, reduced, or otherwise separated. Divisible load permits are available in certain circumstances (steel commodity, agriculture, and Michigan Train permits available).

A carrier that obtains an oversize permit from the Department of Revenue for a load routed over the Indiana Toll Road does need to purchase an additional permit from the Toll Road authority. The Department of Revenue rules for permitted loads apply on the entire route, including the Toll Road. Drivers of tandem trailer combinations over the Indiana Toll Road must apply and be registered with the Toll Road Division prior to operating on the toll road.

When a firm leases a truck for making an oversize/overweight move, the name in which operating authority is issued must obtain the permit.

The driver of the permitted vehicle, or person in direct charge of transporting the object, must have the permit in his possession during transportation, and must show the permit, on demand, to any police officer, motor carrier inspector, or authorized employee of the Department of Transportation.

Single trip permits are valid for 15 days, granted for one trip, one way (or round trip within Indiana). Overweight commodity permits (divisible steel or agriculture) are valid for seven days for one trip and allow permittees to make one trip during that period.

Ninety-day permits are valid for any number of trips within 90 days.

Annual permits are valid for any number of trips within a year.

Permits do not apply to any state roads or bridges that are closed for construction purposes, or to any roads or bridges that are posted for gross load limit, or any structures, wires, etc., having a restricted height clearance that the load will not clear; or to any county roads or city streets.

A truck tractor used to haul a tandem trailer combination with a total gross weight of 76,800 pounds or more must have more than one drive axle.

Permit changes after the third calendar day from the date of issuance (which includes weekends) are not allowed. The following kinds of changes will be considered:

- Change in power unit if original power unit is inoperable;
- Change in route - but cannot change origin or destination or beginning or ending of route;
- Change of dimensions - not valid for mobile homes;

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- Change of axle weight (if originally ordered with weight); or
- Time extensions.

(b) Fees

Fees must be submitted before a permit will be issued. Escrow accounts are available.

Single Trip Fees:

- Up to 95 feet in length and 12 feet 4 inches wide, 13 feet 6 inches high and legal weight — \$20 base fee.
- Over 95 feet up to 110 feet in length and 12 feet 4 inches wide up to 16 feet wide and up to 15 feet tall, and legal weight — \$30 base fee.
- Dimensions under 8 feet 6 inches in width, legal length, 13 feet 6 inches in height, and 120,000 pounds — \$20 base fee plus \$0.35 per mile.
- Dimensions are under 8 feet 6 inches in width, under legal length, under 13 feet 6 inches, and 120,000 pounds to 150,000 pounds — \$30 base fee plus \$0.60 per mile.
- The fee for an oversize and overweight permit is the greater of the calculated overweight or oversize fees.

Overweight Commodity (Divisible Steel; Agriculture) — \$0.05 per equivalent single axle load mile (note that there is a \$470 cap per year per truck per company; once the \$470 cap is reached, permits will no longer carry fees for the remainder of the year)

90-Day Permit, Oversize Only — \$100.

Annual Oversize Only — \$405.

Mobile Home Permits:

Mobile Home Permit Type	Fees		
	Single Trip	90-Day	Annual
12 ft 4 in. wide	\$10	\$250	\$1,000
14 ft 4 in. wide	\$18	\$500	\$2,000
16 ft wide	\$30	NA	NA
Annual dealer	NA	NA	\$40

Special Weight Permits (“Michigan Train” Permits) — \$42.50 (plus \$25 annual registration fee).

If a route includes the Indiana Toll Road and the vehicle and load exceed legal toll road dimensions, then an additional \$5 will be charged for oversize-only loads. If the vehicle and load are overweight, additional fees will be charged as follows:

- Exceeding 90,000 pounds, additional \$50;
- Exceeding 120,000 pounds, additional \$75; and
- Exceeding 200,000 pounds, additional \$100.

(c) Insurance Requirements

The mover or owner of the permitted vehicle must pay, if necessary, to remove any buildings, railings, or other structures from the highway and is liable for any damage caused.

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Permittees must have adequate personal liability and property damage insurance in accordance with Indiana law and the regulations of the Public Service Commission of Indiana. All private carriers must file with the Permit Section Form M-203 permit application agreement attesting to proper liability and property damage insurance in the minimum amounts of \$10,000 property damage, \$25,000 bodily injury, and \$50,000 for each occurrence on the towing vehicle.

Applicants for a tandem trailer permit must furnish a certificate of insurance in the minimum amounts of \$500,00/1,000,000 personal liability and \$500,000 property damage. The certificate must indicate that the policy contains an endorsement reading as follows:

“The inclusion of the Indiana Department of Transportation Toll Road Division as an additional named insured shall not exclude coverage of liability of the named insured for damage of property of the additional name insured.”

The certificate must also provide that the policy not be cancelled without 30 days prior notice to the Commission.

(d) Permitted Vehicle Limitations

The following limitations apply:

- Any vehicle or load exceeding 8 feet 6 inches in width must have an oversize permit. The maximum width for which a permit will be issued is 16 feet, though the Department will consider requests in excess of that limit if there is no other way to move the object.
- Any vehicle exceeding 13 feet 6 inches in height must have an oversize permit. Applicants must specify the route and allow at least three additional inches under the stated height for any overhead structures. If there are problems, the applicant must specify another route. The Department will routinely issue up to 15 feet.
- Vehicles exceeding Indiana’s legal length limits must have oversize permits. The maximum length routinely permitted on highways for overlength vehicles is 110 feet.

Vehicles that exceed Indiana’s legal weight limitations must have an overweight permit. The maximum weight limitations for which overweight permits are issued:

- Gross weight, 108,000 pounds;
- Single axle, 28,000 pounds;
- Tandem axle group, 24,000 pounds on each axle; and
- Three-axle group, 17,000 pounds on each axle.

The following limits apply:

Permit Type	Limitations
Oversize single trip permits	<ul style="list-style-type: none">• Up to 95 feet in length; 12 feet 4 inches in width; and legal height; or• If over 95 feet up to 110 feet in length; over 12 feet 4 inches up to 16 feet wide; or over 13 feet 6 inches up to 15 feet tall.
Overweight single trip permits	Must not exceed legal width, length, and height, or weight of 108,000 pounds gross, or up to 120,000 pounds if there is legal weight on axles.
Oversize and overweight single trip permits	Must not exceed 16 feet in width, 110 feet in length, 15 feet in height, and weigh more than 108,000 pounds gross.

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Permit Type	Limitations
Overweight commodity permits (divisible)	Overweight commodity permits are available for divisible steel and agriculture loads. Vehicles operating under an overweight commodity permit must be of legal width, height, and length. Maximum weights are as follows: <ul style="list-style-type: none">• Divisible steel — 120,000 pounds gross weight• Agriculture — 97,000 pounds gross weight• Single axle — 20,000 pounds• One group of tandem axles — 48,000 pounds• Any other tandem — 40,000 pounds
90-day oversize permit	Up to 12 feet 4 inches in width, 110 feet in length, and legal height and weight.
Annual oversize permit	Up to 12 feet 4 inches in width, 110 feet in length; and legal height and weight.

Weights above are subject to a requirement of 800 pounds per inch width of tire, as measured between flanges of rim.

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Reserved

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(e) Sign Requirements

Permitted oversize vehicles must display signs front and rear. Signs must be lettered in black on a yellow background, read OVERSIZE LOAD and be at least 18 inches high. They must be six to eight feet long with lettering a minimum of 12 inches in height and a two-inch stroke. This applies to oversize loads only; signs are not required on vehicles that are overweight only.

(f) Flags and Lighting Requirements

Flags

Each permitted oversize vehicle must display two red or orange flags placed at the widest extremities of the vehicle or load. Flags must be in good condition, a minimum 18 inches square, and placed so that they can be clearly seen by approaching traffic. Flags are not required on vehicles that are overweight only.

Lights

All provisions of 49 CFR 393.11 apply and permitted vehicles must have the low beam headlights on while transporting a load.

(g) Escort/Flagperson Requirements

Permitted vehicles must have escort vehicles as described below:

Permitted Vehicle Conditions	Escort Requirements
Vehicle and/or load exceeds 12 ft 4 in. in width, 110 ft in length, or 14 ft 6 in. in height	One escort vehicle in front when moving on an undivided highway and in the rear when moving on a divided highway
Any load exceeding 14 ft 6 in. in height	One escort vehicle with a height stick traveling to the front of the load
Permitted vehicle width is between 14 ft 4 in. and 16 ft	<ul style="list-style-type: none">• On dual-lane divided highways, one rear escort;• On all other roads, two escorts, one front and one rear
Solely overweight	Escorts not required

Flagpersons

The permittee must provide flagpersons at all locations needing traffic control. Locations requiring flagpersons include, but are not limited to, encroachment into opposing traffic lanes and stops or blockage of traffic at locations where stops are not normally required by existing traffic control devices.

Flagpersons must place themselves far enough ahead of the movement that approaching traffic will have sufficient distance to slow down, generally between 200 and 300 feet. Each flagperson must have a clean, plain, bright red flag with no figures, a minimum 18 inches square, and mounted on a minimum four-foot handle.

(h) Escort Car/Company Requirements

All escort vehicles must have a minimum of four wheels with a maximum gross vehicle registration weight of 11,000 pounds, radio communication with permitted vehicle and/or load, and must not be more than 500 feet away from the oversize vehicle and/or load.

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Escort car signs, flags, and lights

All escort vehicles must have a flashing amber light mounted on top and an OVERSIZE LOAD sign visible to approaching traffic.

(i) Travel Restrictions

Permitted vehicles must not block traffic from the use of the highway, be loaded or unloaded on the roadway, or parked either day or night on the shoulder or right-of-way.

Permitted vehicles must not operate during hazardous weather, poor road and traffic conditions, or when visibility is less than 500 feet. Oversize vehicles should not operate on public highways when wind velocity exceeds 25 mph.

No oversize movement is allowed inside I-465.

Tandem trailer combinations may be made up or broken up only at the special assembly areas listed below:

East Bound Make-Up — The lot at Calumet and 140th St. in Hammond, Indiana.

West Bound Make-Up — At 141st St. and the Indiana Toll Road in Hammond at the entrance to the employees' parking lot.

Continuous travel is allowed seven days a week for the following permitted vehicles:

- Vehicles issued an oversize permit, which are not over the legal height, are less than 85 feet in length, and less than 10 feet in width.
- Vehicles issued an overweight permit, which although legal in dimensions, has a gross vehicle weight of 108,000 pounds up to 120,000 pounds.
- Vehicles issued an oversize/overweight permit, which are not over the legal height, are less than 85 feet in length, less than 10 feet in width, and have a gross vehicle weight of 108,000 pounds up to 120,000 pounds.

Permitted movements are subject to the following hours of operation:

Permitted movement type	Hours of operation
Up to 110 ft long, 10 ft wide, 13 ft 6 in. high, and under 200,000 lb	Continuous travel 7 days per week
Over 110 ft long, 10 ft to 14 ft 6 in. wide, and up to 15 ft high	7 days per week (½ hour before sunrise to ½ hour after sunset)
Over 16 ft wide, or over 15 ft high, or over 200,000 lb gross vehicle weight	Monday to Friday, 8:30 a.m. to 3:30 p.m. (other provisions may apply)
Between 14 ft 4 in. wide and 16 ft wide	Monday to Friday (½ hour before sunrise to ½ hour after sunset)
Permitted mobile homes and sectionalized buildings between 8 ft 6 in. and 14 ft 4 in. wide	Monday to Friday (½ hour before sunrise to ½ hour after sunset) Saturday (½ hour before sunrise to noon)

Holidays

Permitted vehicles may not operate on state highways from noon the last weekday preceding and continuing until ½ hour before sunrise on the day following:

- New Year's Day;
- Memorial Day;

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- Independence Day;
- Labor Day;
- Thanksgiving; and
- Christmas Day.

Speed limits

Any permitted vehicles whose dimensions exceed 10 feet six inches in width, 13 feet six inches in height, or 85 feet in length must not operate at speeds exceeding 55 miles per hour.

(j) Manufactured Housing Permits

There are four types of mobile home permits:

- 12 feet 4 inch wide permits;
- 14 feet 4 inches wide permits;
- 16 feet wide permits; and
- Mobile home dealer permits.

Single trip permits are available for each move. For 12 feet 4 inch wide and 14 feet 4 inch wide moves, 90-day or annual permits are available. Ninety-day or annual permits are not available for 16-foot wide mobile homes; a single trip permit is required.

A 12 feet 4 inch wide mobile home permit is for a movement of a mobile home that is over legal dimensions but does not exceed the following:

- 12 feet 4 inches wide;
- 110 feet overall length;
- 14 feet high; and
- 80,000 pounds (subject to axle weight).

A 14 feet 4 inch wide mobile home permit is for the movement of a mobile home that is over legal dimensions but does not exceed the following:

- 14 feet 4 inches wide;
- 110 feet overall length;
- 14 feet 6 inches high; and
- 80,000 pounds (subject to axle weight).

A 16 feet wide mobile home permit is for the movement of a mobile home that is over legal dimensions but does not exceed the following:

- 16 feet wide;
- 85 feet long, including hitch; tractor must be at least 12 feet long;
- 110 overall length;
- 14 feet 6 inches high; and
- 80,000 pounds.

A mobile home annual dealer permit is for the movement of mobile homes that are over legal dimensions but do not exceed the following:

- 12 feet 4 inches wide;

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- 85 feet long, including hitch; tractor must be at least 12 feet long;
- 13 feet 6 inches high; and
- 80,000 pounds.

Mobile homes and sectionalized buildings having widths of 12 feet 4 inches or more must be equipped with four high intensity amber flashing lights, as follows:

- Two of these must be mounted on the front and two must be mounted on the rear of the combination;
- Lights mounted on the load must be placed at the outer edges and be at least 6 feet above the roadway; front lights may be mounted on the towing vehicle at the furthest extreme of any safety device, not extending beyond the mirrors, and must be double-faced lamps, visible both on front and rear; and
- Lights must be visible at 500 feet in normal sunlight.

(k) Annual, Extended, And/Or Other Permits

Annual and 90-day permits

A 90-day or annual permit may be obtained only for oversize loads that are over legal dimensions but do not exceed 12 feet 4 inches wide, 110 feet long, 13 feet 6 inches high, and 80,000 pounds.

A 90-day or annual permit is valid for any number of trips within the permit time period. Travel is not allowed on the Indiana Toll Road with a 90-day or annual oversize only permit.

Special weight “Michigan train” permits

Special weight permits, commonly known as “Michigan Train” permits, are used for certain vehicle configurations that haul only in northern Indiana. The routes are set by statute in Indiana Code § 9-20-5-4, which can be found at <http://www.in.gov/legislative/ic/2010/title9/ar20/ch5.html>. Special weight permits are valid for any number of trips within a 24-hour period from the time the permit was purchased. This is the only permit that can be purchased for a divisible load.

Special weight permits may be obtained for loads that are over legal weight but do not exceed the following dimensions:

- 8 feet 6 inches wide;
- Legal length;
- 13 feet 6 inches high;
- 134,000 pounds gross vehicle weight;
- 18,000 pounds per single axle weight;
- 13,000 pounds per axle in tandem, with the exception of one tandem group, which may weigh 16,000 pounds per axle; and
- 800 pounds per inch of rim width.

Axles cannot be less than 3 feet 6 inches between each axle in an axle combination. Also, the axle spacings between each axle or axle combination may not be less than 8 feet.

The owner or operator of a vehicle or combination of vehicles having a total gross weight exceeding 80,000 pounds but less than 264,000 pounds must obtain a special weight registration permit, register annually and pay annually a registration fee to the Department of State Revenue, and install an approved automated vehicle identifier in each vehicle operating with a special weight permit to travel on an extra-heavy-duty highway.

On Highway 912, at an intersection approximately 0.30 of a mile southwest of the intersection of Dickey Road and Riley Road in East Chicago, the total gross weight, with load, of a vehicle or combination of vehicles

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operated with a special weight permit may not exceed 264,000 pounds. Such vehicles may not have a maximum wheel weight (unladen or with load) exceeding 1,650 pounds per inch width of tire, or a single axle weight that exceed 65,000 pounds.

(I) Sealed Containerized Cargo Permits

A permit that is issued for a sealed ocean container is valid for one year. Once the driver has paid \$800 for the permit, he/she must comply with the following:

- The container is sealed at the place of origin and has not been opened except by an agent of the federal government that may inspect the contents; and
- The container is being transported to and from a distribution facility.

Ocean containers cannot exceed 53 feet (trailer and load length) in length with a tractor-trailer hook-up, 60 feet overall in length with a truck-trailer hook up, 8 feet 6 inches in width and 13 feet 6 inches overall height and 95,000 pounds.

The carrier must complete a form M-233 to request the sealed ocean container permit. Once completed, the carrier must fax the form to (317) 821-2336. If a carrier has more than one truck that will move these containers, a permit must be ordered for each truck.

Permits can be ordered online anytime. Permits are not available by telephone.

III. SUPER LOADS

Super load permits are available for vehicles exceeding the following:

- 16 feet wide;
- 110 feet long;
- 15 feet high; and
- 120,000 pounds.

Permits for loads over 200,000 pounds can be obtained as a single trip permit or a super load permit. If the start date is known and there is only one trip, then a single trip permit should be obtained. However, if the start date is not known or if there is more than one load with the same configuration and same route, then request a super load preapproval.

Super load preapproval allows requests to be sent to the bridge engineers for approval. Once the superload preapproval has been approved, pay the fees and obtain a superload preapproval number. When the start date is known, permittees can order up to three trip permits within 30 days using the superload preapproval number. This allows trip permits to be issued within the time frame of a routine permit. When the trip permit is approved, only pay the permit fees to get the permit issued. When requesting the trip permit using the super load preapproval number, supply the start date and description of load. Also indicate if a different truck will be used (truck information can be changed when ordering the trip permit). The truck configuration, dimensions, and route cannot be changed because they have been analyzed by the engineer.

Allow five to seven days for processing applications.

Super load permit fees are as follows:

- Oversize only super load permit, \$40; or
- Overweight only super load permit, \$20 base fee plus a per mileage fee.

Per mileage fees are based on weight:

- 108,001 pounds to 150,000 pounds, \$0.60 per mile; or
- Greater than 150,000 pounds, \$1 per mile.

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The fee for an oversize and overweight super load permit fee is the greater of the calculated oversize only or overweight only fees. In addition to the super load permit fees, all super load permits are subject to a \$10 executive fee and a \$25 design review fee (if greater than 200,000 pounds).

IV. AGENCY REFERENCES

(a) Regulatory Agency

Motor Carrier Services
Department of Revenue
5252 Decatur Blvd., Ste. R
Indianapolis, IN 46241
(317) 615-7320 - Permit Information
(317) 615-7200 option #1 (O/D Permit Insurance)
Fax: (317) 821-2339

Indiana Toll Road District
52551 Ash Rd.
Granger, IN 46530
(219) 674-8836

(b) Permit Agency

Same as above.

(c) Enforcement Agency

Indiana State Police
Commercial Vehicle Enforcement Div.
5252 Decatur Blvd., Ste. J
Indianapolis, IN 46241
(317) 615-7373

(d) Ports of Entry

There are no Ports of Entry maintained by the State of Indiana at this time.

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I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Iowa must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	All Highways
Width:	102 in
Height:	13 ft 6 in 14 ft for auto transporters
Length:	
Straight Trucks	41 ft
Bus	45 ft; articulated bus, 61 ft
Truck-trailer	65 ft
Tractor-semitrailer combinations	No limit (see trailer max.)
Tractor-twin-trailer combination	No limit (see trailer max.)
Semitrailer	53 ft 57 ft lowboy trailers allowed exclusively for the transport of construction equipment (empty or loaded) when used in a tractor-semitrailer combination
Trailers of twin-trailer combinations	28 ft 6 in
Auto/boat-transporter combination	65 ft (plus 3-ft front and 4-ft rear overhang)
Stinger-steered	75 ft (plus 3-ft front and 4-ft rear overhang)
Saddlemounts	97 ft
Drawbar length	15 ft (except if towing vehicle is a motor truck and the towed vehicle is a single trailer with a single point-of-articulation at the hitch connection, the drawbar cannot exceed 21 ft and must be equipped with at least one yellow reflector and a sign on the rear of the towed unit indicating that the vehicle is being towed)
Special limitations or restrictions	—
Weight Limits:	
Single axle	20,000 lb
Tandem axle	34,000 lb
Tridem axle	42,000 lb with minimum 8 ft 1 in. spacing (determined by axle spacing)
Steering Axle	Restricted to tire load rating, up to 20,000 lb
Load per inch width of tire	575 lb/in., except on steering axle which is 600 lb/in. (both based on tire rating)

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	All Highways
Gross wheel weight	Limited by manufacturer's sidewall weight rating (single & dual)
Gross vehicle weight	80,000 lb
Tolerances	N/S

Spread Axle Livestock Transports — 5-axle livestock transportation trucks with a spread axle trailer are allowed to carry a gross weight of 86,000 lb under the following conditions:

- Travel over 80,000-lb gross weight is **not allowed** on the Interstate highway system. This law applies to only the non-interstate highway system.
- The truck/trailer must have at least 61 ft of overall wheelbase.
- The trailer spread-axles must have at least 8 ft 1 in. of spacing.
- You may only transport livestock on the vehicle.
- You are not allowed to exceed posted bridge or roadway embargoes.

Seasonal Weight Restrictions

Iowa's seasonal weight restrictions and other road condition information can be found at <http://lb.511ia.org/ialb/>.

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Operators of vehicles that exceed the legal size and weight limits must obtain a permit from the State Department of Transportation prior to making any movement in the State of Iowa.

Permits will not be issued for oversize or overweight movements that can be reduced or loaded within the legal size and weight limits. Furthermore, permits are valid only for transporting a single article that exceeds statutory size limits, weight limits, or both. Additional articles may be transported, however, if the articles do not exceed statutory size in any way in which such limits would be exceeded by the single article.

The Iowa Department of Transportation may issue either annual permits or single trip permits on the primary road system of Iowa. All permits for oversize or overweight movements on other systems will be issued by the authority responsible for the maintenance of such systems of highways or streets.

Single trip, multi-trip, annual, annual oversize/overweight, or all-systems permits are available.

Single-trip divisible load permits may be issued under special or emergency situations. Permits are valid for movements on state and federal highways only. Single trip permits are valid for one trip in five days.

Multi-trip permits are valid for 60 days.

Annual and all-system permits expire on the last day of the month one year from the issue date.

All-system permits are available for the movement of vehicles with oversize (wide, long, and high) loads on designated state, county, and city roads in the state of Iowa. This permit does not apply to overweight loads. The size of the load is restricted to the same limits for which annual permits may currently be issued and the same routing requirements apply.

Permit applications may be made in person, or by telephone, fax, wire service, electronic means, or mail.

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Permits must be carried in the cabs of the vehicles for which the permits have been issued. During the oversize or overweight movement, the applicant must comply with all terms and conditions of the permit. A copy of the "Iowa General Provisions for Oversize Load Permit" must also be carried with the permit.

Annual permits may be transferred to a replacement vehicle if the original vehicle was damaged in an accident, junked, or sold.

(b) Fees

- Single Trip Permit, \$10
- Annual Permit, \$25
- All-System Permit, \$120
- Annual Oversize/Overweight Permit, \$300
- Multi-Trip Permit, \$200
- Duplicate permit, \$2

A registration fee will be charged for vehicles transporting buildings, except mobile homes and factory-built structures, on a single-trip basis. The vehicle must be registered for the combined gross weight of the vehicle and load. The fee is \$0.05 per ton exceeding the registered weight per mile of travel.

Fees may be paid by certified check, cashier's check, traveler's check, bank draft, or cash. Monthly billing accounts are available.

(c) Insurance Requirements

Public liability insurance in the amounts of \$100,000 bodily injury each person, \$200,000 bodily injury each occurrence, and \$50,000 property damage with an expiration date to cover the tenure of the permit is required. Instead of filing with the permit-issuing authority, a copy of the current certificate of public liability insurance in these amounts must be carried in the vehicle for which the permit was issued.

A carrier may act as a self-insurer if an application for self-insurance is filed and approved by the Department.

An applicant may be required to file a bond, certified check, or other assurance in an amount sufficient to cover the reasonably anticipated cost of damage or loss to private property, real or personal, likely to be caused by the vehicle and load or to ensure compliance with permit provisions.

(d) Permitted Vehicle Limitations

Single-trip permits are issued for indivisible vehicles or indivisible loads for travel when either the dimensions or the weight or both the dimensions and the weight exceed statutory limits. The permit is for a specific route between an origin and destination. Single-trip permits are issued for the following:

- Vehicles with indivisible loads, including construction machinery, mobile homes and factory-built structures, provided the following are not exceeded:
 - Width. 14 feet 0 inches.
 - Length. 80 feet 0 inches overall.
 - Height. Limited only to the height of underpasses, bridges, power lines, and other established height restrictions. The carrier shall be required to contact affected public utilities when the height of the vehicle with load exceeds 16 feet 0 inches. At the discretion of the permit-issuing authority, a written verification may be required from the affected utility.
 - Weight. Maximum gross weight as specified in Iowa law.
 - Distance. Unlimited distance over specified routes.

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- Vehicles with indivisible loads, including construction machinery, mobile homes and factory-built structures, provided the following are not exceeded:
 - Width. 40 feet 0 inches overall.
 - Length. 120 feet 0 inches overall.
 - Height. Limited only to the height of underpasses, bridges, power lines, and other established height restrictions. The carrier shall be required to contact affected public utilities when the height of the vehicle with load exceeds 16 feet 0 inches. At the discretion of the permit-issuing authority, a written verification may be required from the affected utility.
 - Weight. Maximum gross weight as specified in Iowa law.
 - Distance. Limited at the discretion of the permit-issuing authority. The following factors shall be considered: Road conditions; road width; traffic volume; weather conditions; and roadside obstructions, including bridges, signs and overhead obstructions.
- Vehicles especially designed for the movement of grain bins and vehicles with indivisible loads, including construction machinery, mobile homes and factory-built structures, provided the following are not exceeded:
 - Width. Legal.
 - Length. 120 feet 0 inches overall.
 - Height. Statutory: 13 feet 6 inches.
 - Weight. Maximum gross weight as specified in Iowa law.
 - Distance. Unlimited distance over specified routes.
- Vehicles with divisible loads of hay, straw, or stover provided the following are not exceeded:
 - Width. 12 feet 5 inches.
 - Length. Legal.
 - Height. Statutory: 13 feet 6 inches.
 - Weight. Maximum gross weight as specified in Iowa law.
 - Distance. Unlimited.

For movement under a single-trip permit, the gross weight on any axle may not exceed 20,000 pounds.

If the combined gross weight exceeds 100,000 pounds, a single-trip permit may be issued for the movement only if the permit-issuing authority determines that it would not cause undue damage to the road and is in the best interest of the public.

Construction machinery. Construction machinery may have a gross weight of 36,000 pounds on any single axle equipped with minimum size 26.5-inch by 25-inch flotation pneumatic tires and a maximum gross weight of 20,000 pounds on any single axle equipped with minimum size 18-inch by 25-inch flotation pneumatic tires, provided that the total gross weight of the vehicle or a combination of vehicles does not exceed a maximum of 80,000 pounds for movement under an annual permit and 126,000 pounds for movement under a single-trip permit.

For tire sizes and weights allowed between the maximum and minimum indicated, the following formula applies: $\text{Axle weight} = 20,000 \text{ pounds} + (\text{tire width} - 18) \times 1,882 \text{ pounds}$.

Cranes. Cranes are allowed up to 24,000 pounds per axle with pneumatic tires and are subject to a single trip permit. Routes must be reviewed by the Department prior to issuance of a permit.

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(e) Sign Requirements

OVERSIZE LOAD signs must be at least 18 inches high by seven feet long with a minimum of 12-inch black letters with a 1 ½-inch stroke, on a yellow background, and mounted on the front bumper and on the rear of the load.

Signs are required when:

- Vehicle and load exceeds 75 feet in length;
- Vehicle and load exceeds 8 feet 6 inches in width; and/or
- Vehicle and load exceeds 14 feet 4 inches in height.

Signs must be removed when the vehicle is within legal dimensions.

(f) Flags and Lighting Requirements

Flags

Flags must be red or orange fluorescent, at least 18 inches square and must be mounted as follows:

- One flag at each front corner of the towing unit;
- One flag at each rear corner of the load; and
- Additional flags at any additional protrusion in the width of the load.

Flags are required when:

- Vehicle and load exceeds 75 feet in length;
- Vehicle and load exceeds 8 feet 6 inches in width;
- Vehicle and load exceeds 14 feet 4 inches in height; and
- The vehicle's rear projection exceeds 4 feet.

Warning devices must be mounted so they can be removed or covered when the vehicle is within legal dimensions.

Lights

An amber revolving light at least seven inches high and seven inches in diameter with at least a 100-candlepower lamp providing 360 degree warning (or strobe light) visible from front and rear, mounted on the towing units, is required when:

- Length exceeds 85 feet up to and including 120 feet,
- Front-end projection exceeds 25 feet,
- Rear-end projection exceeds 10 feet, (light on rear of projection); or
- Weight exceeds 80,000 pounds.

An escort can be used in lieu of amber light.

(g) Escort/Flagperson Requirements

Rear escort vehicles are required as follows:

- A rear escort is required when vehicle length exceeds 120 feet;
- A rear escort is required when the width of the vehicle and load is over 16 feet 6 inches and travel is on a four-lane roadway; or

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- A rear escort or an amber light or strobe light on the power unit and on the rear extremity of the vehicle or load when width exceeds one-half the roadway up to and including 16 feet 6 inches and travel is on a four-lane roadway.

Front escort vehicles are required as follows:

- If width is up to and including 14 feet 6 inches and exceeds one-half the roadway and travel is on two-lane roadways with lane width less than 12 feet; or
- If width is up to and including 14 feet 6 inches and exceeds one-half the roadway and travel is on two-lane roadways with lane width 12 feet or more without sufficient shoulders; or
- If width is over 14 feet 6 inches and travel is on two-lane roadways.

A front escort (or an amber light or strobe light on the power unit and on the rear extremity of the vehicle or load) is required when width is up to and including 14 feet 6 inches and exceeds one-half the roadway and travel is on two-lane roadways with lane width 12 feet or more with sufficient shoulders.

A front escort with mounted height pole is required when height exceeds 14 feet 4 inches up to and including 20 feet.

Should law enforcement escorts be required, the fee is \$25 per hour per officer, maximum of \$250 per officer, per day.

Flagpersons

Escorts must not assume responsibility for stopping traffic. An on-duty peace officer must be contacted to provide any traffic control.

(h) Escort Car/Company Requirements

Escort drivers must be at least 18 years old, possess a valid Class A, B, C, or D license, and carry proof of public liability insurance in the amounts of \$100,000/\$200,000/\$50,000.

Immediately prior to an escorting trip, the escort must determine that his/her vehicle is in safe operating condition and that the dimensions of the vehicle and load are in compliance with the permit issued.

The escorting vehicle must be a mid-size automobile or motor truck. The vehicle must remain approximately 300 feet in front of or to the rear of the load. A pole used for measuring vertical clearances must be mounted on the escort vehicle. The escort must measure all vertical clearances whenever the height of the permitted vehicle exceeds 14 feet 4 inches up to and including 20 feet.

Escort car signs, flags, and lights

An OVERSIZE LOAD sign is not required for an escort vehicle in Iowa.

There must be an amber revolving light mounted on the top of the escort vehicle. The light must be at least seven inches high and seven inches in diameter, with at least a 100-candlepower lamp providing 360 degree warning (or a strobe light) and burning when escorting.

An 18-inch square red flag must be on each corner of the front bumper of the vehicle.

(i) Travel Restrictions

Movements are permitted only during the hours from one-half hour before sunrise to one-half hour after sunset, seven days a week. However, if the issuing authority feels that the movement can be better accomplished at another period of time due to traffic-volume conditions, a time period may be specified.

Movements shall be permitted only when the roads are clear of ice and snow and visibility is at least one-quarter mile.

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Vehicles and loads may travel by permit between one-half hour after sunset and one-half hour before sunrise, if in addition to the general provisions and general requirements specified by the permit, the following conditions are met:

1. Dimensions do not exceed:
 - Width, 11 feet.
 - Height, 14 feet 4 inches.
 - Length, 100 feet.
 - Weight, Legal axle limits.
2. Travel must be on roadways with a minimum width of 22 feet and a minimum lane width of 11 feet.
3. Safety lighting shall be provided at the widest part of a load. The lamps may be placed at the outer ends of the load itself or on appurtenances which are equal in width to the widest part of the load and positioned at both the extreme front and rear of the vehicle or trailer as follows:
 - One lighted red lamp on each side at the rear of the load.
 - One lighted yellow or amber lamp on each side at the front of the load.

Holidays

No movements are permitted on Memorial Day, Independence Day, and Labor Day, after noon on days preceding these holidays, and holiday weekends, during holiday weekends, or during special events when abnormally high traffic volumes can be expected. A holiday weekend occurs when the holiday falls on a Friday, Saturday, Sunday, or Monday. Movements are not permitted until one-half hour before sunrise on the day after the holiday or holiday weekend.

Speed limits

The speed limit is the maximum posted limit unless otherwise specified on permit. The minimum speed is 40 mph on the Interstate.

(j) Manufactured Housing Permits

Annual, annual oversize/overweight, all-systems, and multi-trip permits are available to move mobile homes and factory-built structures.

An OVERSIZE LOAD sign must be mounted on the rear of all mobile homes during movement at least seven feet above the highway surface, measuring from the bottom of the sign.

(k) Annual, Extended, And/Or Other Permits

Annual permits

Annual permits are issued for indivisible vehicles or indivisible loads for travel when the dimensions of the vehicle or load exceed statutory limits but the weight is within statutory limits. Routing is subject to embargoed bridges and roads and posted speed limits. Annual permits are issued for the following:

- Vehicles with indivisible loads, including construction machinery, mobile homes and factory-built structures, provided the following are not exceeded:
 - Width, 12 feet 5 inches including appurtenances.
 - Length, 120 feet 0 inches overall.
 - Height, 13 feet 10 inches.
 - Weight, maximum gross weight as specified in Iowa law.

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- Distance, movement is allowed for unlimited distance; routing through the office of motor carrier services is not required.
- Vehicles with indivisible loads, including construction machinery, mobile homes and factory-built structures, provided the following are not exceeded:
 - Width, 14 feet 6 inches.
 - Length, 120 feet 0 inches overall.
 - Height, 15 feet 5 inches.
 - Weight, maximum gross weight as specified in Iowa law.
 - Distance, movement is restricted to 50 miles unless trip routes are obtained from the office of motor carrier services or the route continues on at least four-lane roads. Trip routes are valid for five days.
- Vehicles with indivisible loads, including construction machinery, mobile homes and factory-built structures, provided the following are not exceeded:
 - Width, 16 feet 0 inches.
 - Length, 120 feet 0 inches.
 - Height, 15 feet 5 inches.
 - Weight, maximum gross weight as specified in Iowa law.
 - Distance, trip routes must be obtained from the office of motor carrier services.
- Truck trailers manufactured or assembled in the state of Iowa provided the following are met:
 - Width, not to exceed 10 feet 0 inches.
 - Length, overall combination length must be legal.
 - Height, statutory: not to exceed 13 feet 6 inches.
 - Weight, maximum gross weight as specified in Iowa law.
 - Roadway width, at least 24 feet 0 inches.
 - Limited movement, movement must be solely for the purpose of delivery or transfer from the point of manufacture or assembly to another point of manufacture or assembly within the state or to a point outside the state and must be on the most direct route necessary for the movement.
- Vehicles with divisible loads of hay, straw, or stover provided the following are not exceeded:
 - Width, 12 feet 5 inches.
 - Length, legal.
 - Height, statutory: 13 feet 6 inches.
 - Weight, maximum gross weight as specified in Iowa law.
 - Distance, unlimited.

Annual oversize/overweight

Annual oversize/overweight permits are issued for indivisible vehicles or indivisible loads for travel when either the dimensions or the weight or both the dimensions and the weight exceed statutory limits. Travel is not allowed on the interstate. However, a carrier moving under this annual oversize/overweight permit may operate under the same restrictions as an annual permit when the vehicle meets the dimensions. Routing is subject to embargoed bridges and roads and posted speed limits.

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Annual oversize/overweight permits are issued for vehicles with indivisible loads, including construction machinery, mobile homes and factory-built structures, provided the following are not exceeded:

- Width, 13 feet 5 inches.
- Length, 120 feet 0 inches.
- Height, 15 feet 5 inches.
- Weight, for movement under an annual oversize/overweight permit, the gross weight on any axle may not exceed 20,000 pounds, with a maximum of 156,000 pounds total gross weight.
- Routing, the owner or operator must select a route using a vertical clearance map, kip map, bridge embargo map, and detour and road embargo map provided by the Department. Detour and road embargo information may also be found at <http://www.511ia.com>. The owner or operator must contact the department between 8 a.m. and 4 p.m., Monday through Thursday, except for legal holidays, prior to making the move to verify that the owner or operator is using the most recent information.

All-systems permits

All-systems permits are issued by the office of motor carrier services for indivisible vehicles or indivisible loads for travel on the primary road system and specified city streets and county roads when the dimensions of the vehicle or load exceed statutory limits but the weight is within statutory limits. Routing is subject to embargoed bridges and roads and posted speed limits. The office of motor carrier services will provide a list of the authorized city streets and county roads. These permits are issued for the following:

- Vehicles with indivisible loads, including construction machinery, mobile homes, and factory-built structures, provided the following are not exceeded:
 - Width, 12 feet 5 inches including appurtenances.
 - Length, 120 feet 0 inches overall.
 - Height, 13 feet 10 inches.
 - Weight, maximum gross weight as specified in Iowa law.
 - Distance, movement is allowed for unlimited distance; routing through the office of motor carrier services and city and county jurisdictions is not required.
- Vehicles with indivisible loads, including construction machinery, mobile homes and factory-built structures, provided the following are not exceeded:
 - Width, 14 feet 6 inches.
 - Length, 120 feet 0 inches overall.
 - Height, 15 feet 5 inches.
 - Weight, maximum gross weight as specified in Iowa law.
 - Distance, movement is restricted to 50 miles unless trip routes are obtained from the office of motor carrier services and city and county jurisdictions or the route continues on at least four-lane roads. Trip routes are valid for five days.
- Vehicles with indivisible loads, including construction machinery, mobile homes and factory-built structures, provided the following are not exceeded:
 - Width, 16 feet 0 inches.
 - Length, 120 feet 0 inches.
 - Height, 15 feet 5 inches.
 - Weight, maximum gross weight as specified in Iowa law.

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- Distance, trip routes must be obtained from the office of motor carrier services and city and county jurisdictions.
- Truck trailers manufactured or assembled in the state of Iowa provided the following are met:
 - Width, not to exceed 10 feet 0 inches.
 - Length, legal.
 - Height, statutory: not to exceed 13 feet 6 inches.
 - Weight, maximum gross weight as specified in Iowa law.
 - Roadway width, at least 24 feet 0 inches.
 - Limited movement, movement shall be solely for the purpose of delivery or transfer from the point of manufacture or assembly to another point of manufacture or assembly within the state or to a point outside the state and shall be on the most direct route necessary for the movement.
- Vehicles with divisible loads of hay, straw or stover provided the following are not exceeded:
 - Width, 12 feet 5 inches.
 - Length, legal.
 - Height, statutory: 13 feet 6 inches.
 - Weight, maximum gross weight as specified in Iowa law.
 - Distance, movement is allowed for unlimited distance; routing through the office of motor carrier services and city and county jurisdictions is not required.

Necessary trip routes must be obtained from the appropriate city and county jurisdictions.

Multi-trip permits

Multi-trip permits are issued for indivisible vehicles or indivisible loads for travel when either the dimensions or the weight or both the dimensions and the weight exceed statutory limits. The permit is valid for specific routes between points of origin and destination. Multi-trip permits are issued for the following:

- Multi-trip permits may be issued for vehicles with indivisible loads, including construction machinery, mobile homes and factory-built structures, provided the following are not exceeded:
 - Width, 16 feet.
 - Length, 120 feet.
 - Height, limited only to the height of underpasses, bridges, power lines, and other established height restrictions. The carrier shall be required to contact affected public utilities when the height of the vehicle with load exceeds 16 feet 0 inches. At the discretion of the permit-issuing authority, a written verification may be required from the affected utility.
 - Weight, 156,000 pounds total gross weight.
 - Distance, on routes specified by the permit-issuing authority.
- All movements allowed under the single-trip permit provisions provided the movement is within the size and weight limitations.

The dimensions listed on the permit are considered maximums. The movement is legal as long as the vehicle and load do not exceed these dimensions and the movement meets all other requirements.

(I) Sealed Containerized Cargo Permits

Iowa does not have special requirements concerning containerized cargo permits.

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III. SUPER LOADS

All loads exceeding 120 feet long, 18 feet high, 18 feet wide and/or 156,000 pounds (20,000 pounds per axle maximum) are considered super loads in the state of Iowa.

A diagram is required at the discretion of the Department and axle spacings are required.

Allow at least two days to process the application.

IV. AGENCY REFERENCES

(a) Regulatory Agency

Department of Transportation
Motor Carrier Services
P.O. Box 10382
Des Moines, IA 50306-0382
(515) 237-3264
Fax: (515) 237-3257
Monday - Friday 7 a.m. to 4:30 p.m.

(b) Permit Agency

Same as above.

(c) Enforcement Agency

Department of Transportation
Motor Vehicle Enforcement
P.O. Box 0473
Des Moines, IA 50306-0473
(515) 237-3247
(800) 925-6469 (Toll-Free in Iowa)

VEHICLE SIZES & WEIGHTS MANUAL

Reserved

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Kansas must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Width:	102 in	102 in
Height:	14 ft	14 ft
Length:		
Straight Trucks	45 ft	45 ft
Truck-trailer	65 ft	65 ft
Tractor-semitrailer combination	No limit	No limit
Tractor-twin-trailer combination	No limit	No limit
Semitrailer	59 ft 6 in	59 ft 6 in
Trailers of twin-trailer combinations	28 ft 6 in	28 ft 6 in
Auto-transporter combination	75 ft (plus 3-ft overhang in front, and 4-ft in rear)	75 ft (plus 3-ft overhang in front, and 4-ft in rear)
Weight:	On Interstate System Highways Only	On All Other State Highways
Single axle	20,000 lb*	20,000 lb*
Tandem axle	34,000 lb*	34,000 lb*
Tridem axle	42,000 lb (Federal Bridge Law Compliant)*	42,000 lb (Federal Bridge Law Compliant)*
Steering axle	20,000 lb*	20,000 lb*
Load per inch width of tire	N/S	N/S
-or-		
Gross wheel weight	10,000 lb	10,000 lb
Gross vehicle weight	80,000 lb*	85,500 lb*
Tolerances	None	None

*The maximum gross weight limit and the axle weight limits for any vehicle or combination of vehicles equipped with idle reduction technology may be increased by up to 400 pounds to compensate for the additional weight of the idle reduction technology. Upon request by an officer, the vehicle operator must be able to provide proof by written certification:

- The idle reduction technology's weight;
- That the idle reduction technology is functional at all times; and
- That the gross weight increase is not used for any other purpose other than for the use of the idle reduction technology.

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Kansas Turnpike Authority

Written permits are not required for the movement of oversize loads on the Kansas Turnpike. However, due to the size and configuration of some loads, prior approval is required from a Division Engineer, or the Turnpike Highway Patrol Commander before such loads or vehicles can be moved or transported on the Kansas Turnpike. **STATE PERMITS DO NOT ALLOW VEHICLES TO RUN ON TURNPIKE.**

To assist you in determining what types of oversize vehicles and loads are permitted to use the Kansas Turnpike, with and without authorization, the following is offered:

Tractor-Trailer Combination Units

The Kansas Turnpike presently allows single, tandem and triple trailer combinations to operate day or night.

Height Restrictions

Vehicles and/or loads activating high load detectors when entering the Kansas Turnpike are required to stop, and cannot proceed until authorized by a Turnpike Highway Patrol Trooper.

All overhead structures on the Kansas Turnpike will allow movement of loads not exceeding 14 feet in height. All vehicles and/or loads over 14 feet in height will be denied entry until a Turnpike Highway Patrol Trooper has measured the load. The trooper will then authorize or prohibit entry onto the Kansas Turnpike based on the measured height of the vehicle and/or load and the destination of the vehicle and/or load.

Width Restrictions

Vehicles and/or loads up to, but not exceeding 8 feet 6 inches in width may use the Kansas Turnpike without special authorization both day and night. Vehicles and/or loads up to, but not exceeding 12 feet in width, may use the Kansas Turnpike without special authorization during daylight hours. Any load exceeding 8 feet 6 inches in width **MAY NOT** travel the Kansas Turnpike during nighttime hours. Authorization for loads wider than 8 feet 6 inches during nighttime operation will only be granted in extreme emergency or disaster conditions.

Loads wider than 12 feet 6 inches, but not exceeding 14 feet in width may use the Kansas Turnpike without authorization, but can only operate during daylight hours. Effective until approximately May 2011, there is a width restriction of 12 feet from Bonner Springs (K7 or mile post 224) to LeCompton (mile post 197) for both eastbound and westbound traffic.

Vehicles and/or loads exceeding 14 feet in width are required to obtain authorization from the Chief Engineer, or the Turnpike Highway Patrol Commander or his Designee prior to using the Kansas Turnpike. Movement of such vehicles and/or loads is limited to Monday through Thursday between the hours of 8:30 a.m. and 4:30 p.m. At least one escort vehicle is required to accompany the movement of loads over 14 feet in width on the Kansas Turnpike. Authorization will not be granted for night operation, except in extreme emergency, or disaster conditions.

The following categories of oversize and overweight vehicles or loads must obtain prior authorization before moving upon the Turnpike:

- 1) Loads exceeding 14 feet in width
- 2) Loads exceeding 14 feet in height
- 3) Loads exceeding 125 feet in length.

Loads exceeding 16 feet in width will not be permitted except in cases of extreme emergencies. Loads exceeding axle limits can not be issued any special turnpike permits and will not be allowed entry.

Weight Restrictions

All vehicle axle weights must comply with Kansas Law (KSA 8-1908 and 8-1909).

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“**Single Axle**” shall not exceed 20,000 pounds, including any axle of a group of axles.

“**Tandem Axles**” shall not exceed 34,000 pounds, when axles spaced not less than 40 inches and not more than 96 inches apart.

“**Triple Axles**” shall not exceed 42,000 pounds, when such three or more consecutive axles are spaced more than 96 inches and not more than 120 inches apart.

“**Quad Axles**” shall not exceed 50,000 pounds, when such four or more consecutive axles, arranged in tandem, are spaced more than 120 inches and not more than 150 inches apart.

No authorization is required for vehicles and/or loads up to and including 120,000 pounds if legal axle weights are not exceeded.

Any vehicle and/or load exceeding the above weight limitations cannot legally use the Kansas Turnpike without advance authorization from the Chief Engineer, or the Division II Engineer, or Highway Patrol Commander. Such authorization will be unlikely except in extreme emergency, or disaster situations.

Length Restrictions

Any vehicle, or combination of vehicles, trailer(s), or load exceeding 125 feet in overall length must obtain authorization from the Chief Engineer, or Turnpike Highway Patrol Commander or his Designee prior to moving such vehicle on the Kansas Turnpike. Authorization will **not** be granted for night operation, except in extreme emergency, or disaster conditions.

Mobile Homes

- a. Mobile homes up to 12 feet 6 inches in width may be moved during daylight hours.
- b. Mobile homes over 12 feet 6 inches in width, and up to and including 14 feet in width may be moved only during daylight hours.
- c. The movement of mobile homes over 14 feet in width will be limited to daylight hours, Monday through Thursday between the hours of 8:30 a.m. and 4:30 p.m. All mobile homes over 14 feet in width must have prior approval of the Troop Commander or his designee. Additionally, the movement of any such mobile homes on the Kansas Turnpike must be concluded by noon on any day preceding a legal holiday. At least one escort vehicle is required to accompany the movement of mobile homes over 14 feet in width on the Kansas Turnpike.
- d. Overall length will be allowed up to and including 125 feet.
- e. All mobile homes must be towed by a truck-tractor specifically designed and equipped to tow mobile homes. Towing of more than one mobile home at any one time will not be permitted.
- f. All movement of mobile homes must comply with the Kansas Department of Transportation Rules and Regulations regarding flags, lights, signing, and insurance requirements.

Other Information

Special permits from the Kansas Department of Transportation are not required to move oversize loads on the Kansas Turnpike. Movement of any oversize loads, however, must comply with Kansas laws governing authority, insurance, lights, flags, signs, placards and safety equipment. It is the responsibility of the driver of any oversize vehicle and/or load entering or exiting the Kansas Turnpike to determine if the toll plaza has adequate space for the safe entry or exiting of the vehicle and/or load. Refer to <http://www.ksturnpike.com> for more information.

Restrictions on the movement of some or all oversize vehicles or combinations of vehicles may be temporarily implemented due to wind, weather, road or construction conditions.

Daylight hours are those hours between sunrise and sunset.

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II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Operators of vehicles that exceed the legal size and weight limits must obtain a permit from the Secretary of Transportation prior to making any movement in the state. A permit will only be valid if the registration on the power unit is equal to or exceeds the total gross weight of the vehicle.

No permits will be issued for oversize or overweight movements that can be reduced or loaded within the legal size and weight limits.

Standard permits are valid for seven days.

Annual permits allow for the movement of oversize or overweight loads, special mobile equipment, manufactured houses, or modular sections of buildings.

Permitted loads may transport additional components provided that no additional dimension is exceeded. Multiple-item loads cannot exceed legal axle or gross weights. Vehicles must be loaded in a manner that does not exceed the manufacturer's recommended weight-carrying capacity rating of any axle, trailer, or other equipment when transporting oversize or overweight loads under permit.

Permits must be available to any law enforcement official or department employee upon request.

Exceptions

Implement dealers and manufacturers transporting farm machinery or farm machinery used in farming operations are not be required to possess a permit if traveling within 100 miles of the implement dealer's or manufacturer's place of business. The mileage limitation applies only to miles in Kansas. This exception does not apply to Interstate highways.

(b) Fees

Permit Type	Fees
Single-trip permit	\$20
Single-trip permit, large structure	30
Super loads	50
5-year permit for vehicles authorized to move hay bales	25
Annual permits	150/year
Special vehicle combination permits	2,000/year, plus \$50 per year per power unit

(c) Insurance Requirements

The following insurance requirements apply to movers of oversize or overweight loads.

- Vehicles and loads traveling under the authority of any permit authorized by the secretary must have in effect all motor vehicle liability insurance coverage as required by federal, state, and local law for the type of vehicle for which the permit is sought.
- All insurance requirements must be in force as of the date when the permit is requested and must be maintained for the duration of the permit.
- As a minimum prerequisite to obtaining any permit, the applicant must obtain general liability insurance in the amount of \$500,000 and auto liability insurance in the amount of \$500,000 to cover bodily injury that occurs to any person and property damage liability that occurs to any structure or roadway

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on which the permitted vehicle and load travel. The insuring company must be duly authorized to conduct business in Kansas.

- Except for vehicles registered by the Kansas corporation commission (KCC), each permittee must keep proof of insurance in the permitted vehicle at all times and present this proof to any employee of the department or law enforcement personnel upon request.

(d) Permitted Vehicle Limitations

Overheight permits will allow a height that is limited only by the constraints existing on the route to be traveled.

Carriers transporting structural items including poles, pipe, bridge girders, or double derricks used in oil or gas drilling operations not to exceed 140 feet in length may be issued permits.

The following maximum dimensions and axle weights apply to standard permits and the movement of special mobile equipment:

Load Conditions	Maximums
Width	16 ft 6 in.
Length	126 ft
Height	18 ft
Gross weight	150,000 lb
Axle weights:	
Single, non-drive	22,000 lb
Single, drive	24,000 lb
Tandem	45,000 lb (tandems on special mobile equipment, 49,000 lb)
Triple	60,000 lb
Quad or more	65,000 lb

Maximum weights for extra wide axle groups (in pounds):

Width (Feet)	Single N-drive	Single Drive	Tandem	Tridem	Quad
Less than 8 ft 7 in.	22,000	24,000	45,000	60,000	65,000
8 ft 7 in. < 9 ft 0 in.	22,500	24,500	46,000	61,500	67,000
9 ft 0 in. < 9 ft 6 in.	23,000	25,000	47,000	63,000	69,000
9 ft 6 in. < 10 ft 0 in.	23,500	25,500	48,000	64,500	71,000
10 ft 0 in. or more	24,000	26,000	49,000	66,000	73,000

Maximum axle weights for special mobile equipment:

Axle Type	Maximum Weight
Single, non-drive axle	22,000 lb
Single, drive axle	24,000 lb
Tandem	49,000 lb

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Axle Type	Maximum Weight
Triple	60,000 lb
Quad	65,000 lb

Maximum weights for extra-wide axle groups on special mobile equipment:

Width (Feet)	Single N-drive	Single Drive	Tandem	Tridem	Quad
Less than 8 ft 7 in.	22,000	24,000	49,000	60,000	65,000
8 ft 7 in. < 9 ft 0 in.	22,500	24,500	50,000	61,500	67,000
9 ft 0 in. < 9 ft 6 in.	23,000	25,000	51,000	63,000	69,000
9 ft 6 in. < 10 ft 0 in.	23,500	25,500	52,000	64,500	71,000
10 ft 0 in. or more	24,000	26,000	53,000	66,000	73,000

Maximum gross weight spacing table (the external spacing is determined by measuring the distance between the center of the steering axle and the center of the last axle of the combination):

External Spacing	Maximum Gross Wt.	External Spacing	Maximum Gross Wt.	External Spacing	Maximum Gross Wt.
8.....	58,800	37.....	99,400	66.....	133,000
9.....	60,200	38.....	100,800	67.....	133,700
10.....	61,600	39.....	102,200	68.....	134,400
11.....	63,000	40.....	103,600	69.....	135,100
12.....	64,400	41.....	105,000	70.....	135,800
13.....	65,800	42.....	106,400	71.....	136,500
14.....	67,200	43.....	107,800	72.....	137,200
15.....	68,600	44.....	109,200	73.....	137,900
16.....	70,000	45.....	110,600	74.....	138,600
17.....	71,400	46.....	112,000	75.....	139,300
18.....	72,800	47.....	113,400	76.....	140,000
19.....	74,200	48.....	114,800	77.....	140,700
20.....	75,600	49.....	116,200	78.....	141,400
21.....	77,000	50.....	117,600	79.....	142,100
22.....	78,400	51.....	119,000	80.....	142,800
23.....	79,800	52.....	120,400	81.....	143,500
24.....	81,200	53.....	121,800	82.....	144,200
25.....	82,600	54.....	123,200	83.....	144,900
26.....	84,000	55.....	124,600	84.....	145,600
27.....	85,400	56.....	126,000	85.....	146,300
28.....	86,800	57.....	126,700	86.....	147,000
29.....	88,200	58.....	127,400	87.....	147,700
30.....	89,600	59.....	128,100	88.....	148,400

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External Spacing	Maximum Gross Wt.	External Spacing	Maximum Gross Wt.	External Spacing	Maximum Gross Wt.
31	91,000	60	128,800	89	149,100
32	92,400	61	129,500	90	149,800
33	93,800	62	130,200	91 or more	150,000
34	95,200	63	130,900		
35	96,600	64	131,600		
36	98,000	65	132,300		

Maximum gross weight and external spacing table for special mobile equipment (the external spacing will be determined by measuring the distance between the center of the steering axle and the center of the last axle of the combination):

External Spacing	Maximum Gross Wt.	External Spacing	Maximum Gross Wt.	External Spacing	Maximum Gross Wt.
8.....	67,200	27.....	97,600	46.....	128,000
9.....	68,800	28.....	99,200	47.....	129,600
10.....	70,400	29.....	100,800	48.....	131,200
11.....	72,000	30.....	102,400	49.....	132,800
12.....	73,600	31.....	104,000	50.....	134,400
13.....	75,200	32.....	105,000	51.....	136,000
14.....	76,800	33.....	107,200	52.....	137,600
15.....	78,400	34.....	108,800	53.....	139,200
16.....	80,000	35.....	110,400	54.....	140,800
17.....	81,600	36.....	112,000	55.....	142,400
18.....	83,200	37.....	113,600	56.....	144,000
19.....	84,800	38.....	115,200	57.....	144,800
20.....	86,400	39.....	116,800	58.....	145,600
21.....	88,000	40.....	118,400	59.....	146,400
22.....	89,600	41.....	120,000	60.....	147,200
23.....	91,200	42.....	121,600	61.....	148,000
24.....	92,800	43.....	123,200	62.....	148,800
25.....	94,400	44.....	124,800	63.....	149,600
26.....	96,000	45.....	126,400	64 or more	150,000

(e) Sign Requirements

OVERSIZE LOAD signs are yellow signs with black letters having minimum dimensions of seven feet in length and 18 inches in height. The words OVERSIZE LOAD must be visible on the face of the sign and must be a minimum of 10 inches high with a brush stroke of not less than 1 $\frac{2}{5}$ inches.

OVERSIZE LOAD signs must be:

- Attached to the front of the transporting vehicle and to the rear of the load; and
- Readily visible from a distance of 500 feet from $\frac{1}{2}$ hour before sunrise to $\frac{1}{2}$ hour after sunset and removed when the load being transported does not exceed legal dimensions;

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(f) Flags and Lighting Requirements

Flags

Movers of oversize loads must attach warning flags to each side of the widest part of all overwidth loads, and to the rear of all overlength loads.

Each warning flag must be a piece of red or orange material at least 18 inches square and clean and free of lettering.

Lights

Each warning light must be in good operating condition, emit a rotating or flashing amber light, be mounted on top of the towing vehicle, and be readily visible at a distance of at least 1,000 feet.

(g) Escort/Flagperson Requirements

When escorting loads or convoys more than 14 feet wide, the following conditions apply:

- On highways of fewer than four lanes, front and rear escorts are required (the rear escort may be eliminated if a warning light is attached to the top of the towing vehicle and to the rear of each load and is mounted no less than two feet or more than eight feet above the surface of the road); and
- When moving an oversize or overweight load, the driver of each escort vehicle and the person driving the permitted vehicle must have the ability to communicate verbally with each other, using two-way equipment.

(h) Escort Car/Company Requirements

When moving an oversize or overweight load, the driver of each escort vehicle and the person driving the permitted vehicle must have the ability to communicate verbally with each other, using two-way equipment.

Unless conditions dictate a different following distance, escorting vehicles must travel at a distance not to exceed 300 feet in front or 300 feet to the rear of the load.

Escort certification

Before escorting superloads or large structures within Kansas, escorting companies must obtain certification; contact Kansas Department of Transportation or visit http://www.truckingks.org/permit_licensing.html for how to become certified.

Escort car signs, flags, and lights

Warning lights must be installed on the top of each escort vehicle.

An escort warning sign must be yellow with black lettering and a minimum of five feet long and 12 inches high, reading OVERSIZE LOAD on the face of the sign. The lettering must be eight inches high with a brush stroke not less than 1 1/8 inches.

An escort warning sign or OVERSIZE LOAD warning sign must be attached to the front or to the top of each vehicle preceding the load being transported, and a similar sign must be attached to the top or to the rear of the vehicle trailing the load being transported.

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(i) Travel Restrictions

The following time restrictions apply to all types of permits:

- Night movements are allowed for loads that are only overweight.
- Permits for overdimensional loads are restricted to daylight movement unless an emergency exists, in which case a permit for nighttime movement may be issued for the special condition; special conditions will be noted on the permit.
- Carriers transporting oversize or overweight loads may move every day of the year, including holidays.

Oversize or overweight loads may not be transported when visibility is less than one-half mile, or when conditions of moderate to heavy rain, sleet, snow, fog, or smoke exist, or when highway surfaces are slippery due to ice, packed snow, or rain.

Oversize loads may not obstruct or impede traffic on any bridge longer than five minutes.

Carriers of overweight loads must abide by all restrictions on posted bridges and cannot enter the structure if the weight of any group of axles or the gross vehicle weight exceeds the posted limit.

Loads in excess of one-half of the width of the traveled portion of the highway must be transported in a manner so that no part of the load extends across the centerline of the road, except when necessary to avoid a collision with objects located near the edge of the road.

Vehicles and loads traveling in a convoy must not have more than 1,000 feet between each transporting vehicle. A maximum of two permitted loads may travel in a convoy.

(j) Manufactured Housing Permits

Manufactured homes, house trailers, or mobile homes may be moved under permit if:

- The width does not exceed 16 feet 6 inches;
- The driver has a valid driver's license; and
- The driver carries evidence that the home or trailer and the vehicle pulling it are covered by motor vehicle liability insurance with limits of at least \$100,000 for injury to any one person, \$300,000 for injury to persons in any one accident, and \$25,000 for injury to property.

Movement of manufactured homes or modular sections of buildings must be stopped when wind exceeds a sustained velocity of 30 miles per hour.

Each vehicle transporting oversize manufactured houses or modular sections of buildings must display an OVERSIZE LOAD warning sign attached to the rear of the manufactured home or modular section being transported.

(k) Annual, Extended And/Or Other Permits

Annual permits

Annual permits are assigned to a specific power unit and are valid for one year as specified on the permit. Annual permits are not transferable.

The following maximum dimensions and weight apply to annual permits:

Load Condition	Maximums
Width	16 ft 6 in.
Length	126 ft

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Load Condition	Maximums
Height	15 ft
Gross weight	120,000 lb
Axle weights:	
Single, non-drive	22,000 lb
Single, drive	24,000 lb
Tandem	45,000 lb
Triple	60,000 lb
Quad or more	65,000 lb

Large structure permits

This permit allows for movement of oversize loads that exceed the size limitations of the standard permit permits are valid for 30 days.

On highways consisting of four lanes or more, a rear escort is required. Before escorting large structures within Kansas, escorting companies must obtain certification; contact Kansas Department of Transportation or visit http://www.truckingks.org/permit_licensing.html for how to become certified.

Use of state highways under this permit must be kept to a minimum; the permit does not allow the transport of loads on Interstate highways except in extreme cases.

Contact the Department of Transportation for possible additional restrictions and requirements.

Kansas Turnpike Authority access permit

The Kansas Turnpike Authority access permit is a six-month permit issued to allow entering and exiting of the Kansas Turnpike.

Mileage limitations are included:

- Ten mile radius at all exits/entrances other than Kansas City; and
- Twenty mile radius applies in Kansas City (18th Street Expressway).

(I) Sealed Containerized Cargo Permits

An annual sealed ocean container permit is available to transport sealed containers directly to and from maritime ports-of-entry under the following limits:

- 8 feet 6 inches in width;
- 14 feet in height;
- 85 feet in length;
- 120,000 pounds maximum gross vehicle weight; and
- Maximum axle weights for annual permits.

The size of a container cannot exceed 40 feet in length and only one container can be hauled in combination. Maximum registered weight allowable for Kansas (85,500 pounds) must be obtained before requesting a permit.

Permits are \$150.

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Sealed ocean container permits:

- Must be obtained prior to entering Kansas or transporting the container from a point within Kansas to a destination out-of-state;
- Must be sealed at all times and the U.S. Customs seal must be attached throughout transit;
- Are not to be reproduced, altered, or transferred to another company or power unit; and
- Must be carried in the transporting vehicle at all times.

Permitted vehicles may operate during daytime/nighttime hours 24 hours per day, seven days per week, on all routes in Kansas unless routes are restricted by the Kansas Department of Transportation.

III. SUPER LOADS

A super load is a vehicle transporting a nondivisible load that exceeds 150,000 pounds gross weight or a vehicle transporting a nondivisible load in which any group or groups of axles exceed maximum permitted axle weights.

Super load moves must have a valid permit that includes a bridge analysis, completed by the Department of Transportation prior to traveling on any highway.

Super load permits are issued only for single trip movements and cost \$50.

On highways consisting of four lanes or more, a rear escort is required. Before escorting super loads within Kansas, escorting companies must obtain certification; contact Kansas Department of Transportation or visit http://www.truckingks.org/permit_licensing.html for how to become certified.

IV. AGENCY REFERENCES

(a) Sizes and Weights

Regulatory agency

Kansas Department of Transportation, Bureau of Traffic Engineering
(785) 296-3566
www.ksdot.org/

Permit agency

Department of Revenue, Central Permit Office
(785) 368-6501

Kansas Turnpike Authority
(316) 682-4537 - Wichita
(800) 873-5824 - Other areas
<http://ksrevenue.org/dmvmc.html>

Super loads

Kansas Department of Revenue, Central Permit Office
(785) 368-6501
Hours: 8 a.m.-5 p.m. (Central Time)
www.truckingks.org/

Enforcement agency

Kansas Highway Patrol
(785) 296-6800
www.kansashighwaypatrol.org/

VEHICLE SIZES & WEIGHTS MANUAL

Reserved

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Kentucky must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Width:	102 in	96 in
Height:	13 ft 6 in	13 ft 6 in
Length:		
Straight Trucks	45 ft	45 ft
Truck-trailer	65 ft	65 ft
Tractor-semitrailers	No limit with 53-ft trailer	65 ft
Tractor-twin-trailers	No limit	Not allowed
Semitrailer	53 ft*	N/S
Trailers of twin-trailer combinations	28 ft	N/S
Auto-transporters	65 ft (not including a 3-ft front and 4-ft rear overhang)	65 ft (not including a 3-ft front and 4-ft rear overhang)
Special limitations or restrictions	*Not to exceed 53 ft total, including overhang.	
Weight:		
Single axle	20,000 lb	20,000 lb
Tandem axle	34,000 lb	34,000 lb
Tridem	48,000 lb (axles spaced 42 - 120 in)	48,000 lb (axles spaced 42 - 120 in)
Load per inch width of tire	700 lb	700 lb
Gross vehicle weight	80,000 lb	80,000 lb on Class AAA highways; 62,000 lb on Class AA highways; 44,000 lb on Class A highways
Tolerances	N/S	5% on axles only

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

All operators of vehicles that exceed the legal size and weight limits must obtain a permit from the Division of Motor Carriers prior to making any movement in the State of Kentucky. Special annual or trip permits to allow the movement of motor vehicles with gross weights or gross dimensions in excess of the weights and

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dimensions specified by statute and administrative regulation are issued by the Division of Motor Carriers if the movement is necessary to provide transportation for specified cargo in the interest of the health, welfare, or economy of the people. Each trip permit or annual permit issued is limited to designated portions of the state primary road system and slated periods of time. A permit will not be issued for a divisible load that if reasonably divided, dismantled, disassembled, or rearranged would no longer be overweight or overdimensional.

Single trip permits are valid for one move and a duration of 10 days.

Overweight or overdimensional annual or single trip permits are available for certain types of farm equipment.

Permits may be obtained in person, by mail, online using ACH debit, or by wire from the Division of Motor Carriers, Qualifications/Permits. Carriers may obtain permits through J. J. Keller & Associates, Inc., Trip Permits, at (800) 231-5266 or through <https://apps.transportation.ky.gov/MotorCarrierPermits/PermitManagement.aspx>. The user, however, is required to have an Authorization Agreement for payment of the permits (ACH debit account).

If the towing vehicle for which a single trip permit is being requested is registered in a state other than Kentucky, the vehicle must be either:

- Apportioned registered to operate in Kentucky; or
- Have a registration trip permit.

If the towing vehicle for which an annual permit is being requested is registered in a state other than Kentucky, then the vehicle must have apportioned registration.

A vehicle will not be issued an overweight permit that does not have a declared gross weight of at least 80,000 pounds.

Maximum weights are not permitted unless all bridges and roads on the moving route have sufficient capacity to accommodate the load.

A separate permit is required for each vehicle involved in a movement. Permits must be carried in the vehicle to which they apply during the movement.

Annual permits are valid for 365 days from date of issuance. Annual permits are not issued for overheight movements.

SASHTO regional permits

Effective September 1, 1994, nine southeastern states joined together allowing carriers — who need an oversize permit for operation on the highways in any of the nine states — to obtain a single permit to cover all nine states, rather than apply for separate permits in each state. Since that time additional states have joined, bringing the total to sixteen. The member states are Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, Missouri, North Carolina, Ohio, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia. There are, however, certain requirements to be met when applying for such permit.

The permit will only be issued for an “envelope” vehicle, transporting a non-divisible load, and whose dimensions cannot exceed the following:

Length:	100 ft. overall
Height:	14 ft.
Width:	14 ft.
Weight:	120,000 lb GVW 20,000 lb Single Axle 40,000 lb Tandem Axle 60,000 lb three or more Axles

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The permit is only available through a wire service (not the state agency); is only valid for a single trip (no return trip); and is valid for no more than 10 days, or less than 5 days. Carrier will be informed of applicable restrictions when the permit is issued. (SASHTO is the Southeast Association of State Highway and Transportation Officials.)

Permit exceptions

Overweight or overdimensional permits are not required to move overweight or overdimensional farm equipment or self-propelled farm equipment from one farm to another, a farm to a repair shop or dealer, or a repair shop to a dealer or farm.

(b) Fees

1.

Oversize or Overweight Truck Trip Permit —	\$60
Single Trip Permit (mobile homes) —	\$60
Mobile homes over 14 ft wide	\$60

Note: Single trip permits are valid for one trip only, not to exceed 10 days.

2. Annual Permits:

A01 Non-divisible – less than 14 feet wide	\$250
A02 Non-divisible – 14 feet to 16 feet wide	\$500
A03 Steel – 150 mile limit	\$250
A04 Steel – statewide	\$500
A05 Farm – less than 14 feet wide	\$80
A06 Farm – 14 feet to 16 feet wide	\$150
A07 Industrial Haul	\$20
Annual Permit Only - Duplicate permit, or to transfer a permit to another towing vehicle (only one transfer allowed for each annual permit)	\$10

(c) Insurance Requirements

Movements weighing less than 18,000 pounds gross weight must have \$10,000/20,000 public liability insurance and \$5,000 property damage insurance. Movements weighing more than 18,000 pounds gross weight must have \$100,000/300,000 public liability insurance and \$50,000 property damage insurance (for-hire motor carriers only).

Contractors hauling overweight divisible gross loads over state-maintained roads to gain access to state construction projects or public work projects are responsible for all damages to state roads, streets and bridges. The contractors must also establish an indemnity with the District Office prior to the movement.

(d) Permitted Vehicle Limitations

The issuance of oversize or overweight permits does not relieve the applicant of any standard responsibilities to the Kentucky Transportation Cabinet. The Department reserves the right to impose the same restrictions on vehicles licensed in another state as it imposes on vehicles licensed in Kentucky.

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The weight on any single axle in any combination may not exceed 700 pounds times the aggregate width in inches (stamped tire measurement) of all the tires on the axle, or the following axle or axle group weights, whichever is less:

- Steer axle - 20,000 pounds maximum;
- Single axle - 24,000 pounds (dual tires);
- Tandem dual wheel axle group if the combination vehicle has only five axles total - 45,000 pounds;
- Tandem dual wheel axle group if the combination vehicle has six or more axles total - 48,000 pounds;
- Tridem dual wheel axle group - 60,000 pounds;
- Five-axle combination units not exceeding 96,000 pounds gross;
- Six-axle combination units not exceeding 120,000 pounds gross;
- Seven-axle combination units not exceeding 160,000 pounds gross; or
- Trunnion axle group maximum gross weight as determined by the federal bridge formula.

Gross or axle overweight is not permitted:

- On a combination unit of less than five axles; or
- On a single unit except off-road equipment, such as a road grader, mobile crane, or other self-propelled unit.

A self-propelled truck crane cannot exceed the following:

- Single wheel axle, 23,000 pounds;
- Tandem dual-wheel axle group, 46,000 pounds; and
- Tridem dual-wheel axle group, 69,000 pounds.

The maximum gross weight for a four-axle self-propelled truck crane is 92,000 pounds. The maximum gross weight for a five-axle self-propelled truck crane is 115,000 pounds.

No trees, shrubs, or official highway signs may be cut, trimmed, removed, or relocated to facilitate an oversize or overweight movement without prior approval from the landowner or the District Engineer.

A front overhang on a combination vehicle is prohibited.

An annual permit will not be issued for the movement of an overweight or overdimensional load in excess of 16 feet in width, inclusive of overhang. In addition, an annual permit may not be issued or used for the movement if the height of the combination load and towing vehicle exceeds 13 feet 6 inches.

(e) Sign Requirements

All vehicles exceeding 10 feet 6 inches in width, or having a front overhang must display two OVERSIZE LOAD signs. Warning signs must be six to eight feet in width with OVERSIZE LOAD black lettering on a yellow background. The black letters must be at least 18 inches high with a brushstroke of at least 1.4 inches.

Warning signs must be displayed at the front of the power unit, the rear of the towed unit, or at the rear of the load.

(f) Flags and Lighting Requirements

Flags

Red or orange fluorescent flags at least 18 inches square shall be displayed on each vehicle and load operating under an overlength or overwidth permit. A vehicle operating overwidth must display four warning flags, one at each of the four corners and if any portion of the load extends beyond the four corners, additional

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flags must be displayed at the widest points of the load. A vehicle operating overlength or with a rear-end overhang must display two warning flags located to indicate maximum width at the extreme rear of the vehicle or load.

Lights

If the front overhang exceeds 10 feet, an amber strobe or flashing light must be placed on the power unit of the towing vehicle and must be used while the power unit is in operation. The lighting devices and reflectors established in 49 CFR 393.11 for pole trailers and projecting loads are required.

(g) Escort/Flagperson Requirements

Escort and flagperson requirements may be modified by the issuing officer as weather, road or vehicle conditions demand.

Escorts are required as follows:

Permitted load conditions	Highway type	Escort requirements
Vehicle and load with a width exceeding 10 ft 6 in but 12 ft or less in width	2-lane	One lead escort
Vehicle and load length in excess of 75 ft, but not more than 85 ft	2-lane	One lead escort
Utility equipment, pole, or pipe being transported exceeds 55 ft in length	All	One lead escort
Vehicle and load with a width exceeding 12 ft that does not maintain a speed of 45 mph	4-lane	One trailing escort
Vehicle and load operating at speeds below the posted speed limit	2-lane	One trailing escort
Length of 120 ft or less	4-lane or wider highway	One trailing escort
Vehicle and load with a length exceeding 85 ft	2-lane	One lead escort and one trailing escort
Vehicle and load with a width exceeding 12 ft	2-lane	One lead escort and one trailing escort
Vehicle and load with a length over 120 ft	4-lane or wider	One lead escort and one trailing escort

(h) Escort Car/Company Requirements

Escort vehicles must accompany the overweight or overdimensional vehicle at a distance of 300 feet on open highways unless it is necessary to travel at a distance closer or farther away for safety or due to road conditions.

Escort vehicles must:

- Maintain an interval of 300 feet from the escorted load;
- Maintain radio contact with the load;
- Post appropriate signs on the vehicle;

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- Have amber strobe lights or flashing lights on the escort vehicle;
- Keep their headlights lit during transit; and
- Use a height pole if the escorted load is 15 feet or greater.

An overweight or overdimensional load must slow traffic as little as possible; if traffic backs up behind the load, the escort vehicles and load must exit the highway if there is sufficient space to do so.

The escort requirements do not apply if the vehicle or equipment is less than 12 feet wide and used in part for off-road use, not required to be registered or licensed, and not transporting cargo.

Escort car signs, flags, and lights

OVERSIZE LOAD warning signs must be displayed on a lead escort vehicle so that it is visible to oncoming traffic.

(i) Travel Restrictions

An overweight or overdimensional load of a width greater than 8 ½ feet may not be towed on any state-maintained highway. An overweight or overdimensional load of a width greater than eight feet may not be towed on any state-maintained highway not included in the Transportation Cabinet's list of roads approved for passage of motor vehicles with increased dimensions. For National Network routes for overdimensional loads in Kentucky, see <http://tinyurl.com/KYnetworkmap>. Restricted routes can be found by visiting <http://tinyurl.com/KYrestricted>.

Movements of overweight or overdimensional loads more than 12 feet in width are limited to highways of four or more lanes and to the shortest and best two-lane routes designated by the Division of Motor Carriers. Movements will be denied on a route unsuitable for a move.

If while crossing a bridge an overweight or overdimensional load would encroach on any other lane of traffic:

- All approaching traffic must be stopped; and
- All trailing traffic must be prevented from attempting to pass the load until the load has cleared the bridge and moved sufficiently to the right to safely allow following traffic to pass.

An overweight or overdimensional load must slow traffic as little as possible; if traffic backs up behind the load, the escort vehicles and load must exit the highway if there is sufficient space to do so.

Travel is allowed in Kentucky 24/7 except for the county restrictions as provided below. Travel on all overweight and overdimensional permits is not permitted in Boone, Kenton, Campbell, Fayette, Jefferson County (Louisville) or at the Owensboro, Kentucky 2155 bridge from 7 to 9 a.m. and from 4 to 6 p.m., Monday through Friday.

An overweight or overdimensional load originating in Fayette County is exempt from traffic rush hour restrictions on Interstate 64 and Interstate 75 in Fayette County and on connecting routes to both interstates up to a distance of three miles from the interstates.

Movements of an overweight or overdimensional load more than 12 feet in width cannot be made on any highway if a wind advisory has been issued by the National Weather Service or if adverse weather conditions or road conditions would cause these moves to be dangerous.

Vehicles hauling building materials to a home or home site are allowed to travel 15 miles off of a state highway classified to carry the registered weight of the vehicle for purposes of the delivery. The vehicle is not required to have a permit for overweight or overlength but must be within the registered weight and within axle limits. A bill of lading must be provided while engaged in the transportation of home building materials.

The Department may prohibit movements of permitted loads in congested areas within the state during peak traffic hours. Such restrictions shall be noted on the permit when issued.

Each vehicle transporting a load under an overweight or overdimensional annual or single trip permit must obtain prior written approval from the Division of Motor Carriers for any deviation from the approved routes.

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(j) Manufactured Housing Permits

Until a permit is issued, a manufactured home with a combined length of manufactured home and towing vehicle greater than 120 feet must not be towed upon any Kentucky highway. The manufactured home may not exceed 85 feet in length. An application for a permit to move a house or building may be made via mail, hand delivery, or the motor carrier online permitting system, at the Division of Motor Carriers, Transportation Cabinet Building, or via fax. House moving permits will be issued for movements that occur during off-peak traffic hours. Mobile homes are allowed to travel during daylight hours only Monday through Saturday with no travel permitted on Sunday.

The mover must furnish all escorts and flagpersons required to protect the public. A house moving permit will not be issued for the movement of a permanent building other than a portable storage unit on a parkway or an interstate highway.

The number, type, size, and design of brake assemblies required to assist the towing vehicle in controlling and stopping a manufactured home or boat must be sufficient to assure that the maximum stopping distance from an initial velocity of 20 mph does not exceed 40 feet.

A manufactured homes not equipped with brakes on all axles must certify that the towing unit has sufficient brake assemblies to meet the braking distance. Certification must be in the form of:

- A manufacturer's statement;
- Documented technical data; or
- An engineering analysis or its equivalent stating that the braking distance has been met.

The certification must be carried in the towing unit and be presented upon request to law enforcement.

A manufactured home with a combined length of manufactured home and towing vehicle greater than 120 feet may not be towed upon any Kentucky highway. The manufactured home cannot exceed 85 feet in length.

Mobile home movements are permitted during daylight hours only Monday through Saturday, with no travel permitted on Sunday.

The speed limit for movement of 14-foot wide house trailer is 45 mph on interstate highways and 35 mph on all other highways.

(k) Annual, Extended, And/Or Other Permits

A permit will not be issued for the movement of an overweight or overdimensional load in excess of 16 feet in width inclusive of the usual overhang.

Mirrors on a towing vehicle must not be considered in determining the width of an overweight or overdimensional load.

Prior to a movement of an overweight or overdimensional load under the provisions of an annual permit, the permit holder must evaluate the entire route proposed to be used for the movement of the overweight or overdimensional load. The evaluation must include the highway width; shoulder width and surface type, bridge width and posted weights, curves, turns to be negotiated, construction zones, obstructions, access control, traffic volume, and other routes available that may be safer even if not as convenient.

The permit holder shall use the results of the evaluation to determine the safest route available to transport the overweight or overdimensional load. If there is any doubt about the adequacy of the highway to safely accommodate the overweight or overdimensional load, the permit holder shall either select a different route or contact the Division of Motor Carriers for approval to move the overweight or overdimensional load over that specific route.

An annual permit shall not be issued or used for the movement if the height of the combination load and towing vehicle exceeds 13 feet 6 inches.

Acceptance and use of the annual permit shall indicate the permit holder's acceptance of the liability associated with the move. Moves of overweight or overdimensional loads more than 12 feet wide shall be

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limited to highways of four or more lanes and to the shortest and best two-lane route designated by the Division of Motor Carriers. The cabinet shall deny movements on a route unsuitable for move.

One transfer to another towing vehicle is allowed for each overweight or overdimensional annual permit during its effective year.

Steel product or steel material transport

Annual permits are available for the operation of motor vehicles transporting steel products or steel materials in divisible or non-divisible loads to or from a facility manufacturing products in Kentucky, or a facility used for storage of those products. In no instance may the gross weights exceed 120,000 pounds and the movement of the products or materials is limited to 150 miles within Kentucky.

The permits are valid for 24 hours per day.

Overweight or overdimensional farm equipment

Annual overweight or overdimensional farm equipment permits are available for movements from a manufacturer to a dealer, a dealer to a manufacturer, or a dealer to a dealer.

Annual overweight or overdimensional permits are also issued for the movement of farm equipment or self-propelled farm equipment if a load is non-divisible farm equipment exceeding legal weights or dimensions.

Contact the Division of Motor Carriers for details.

(I) Sealed Containerized Cargo Permits

A vehicle moving a sealed, containerized, ocean-going cargo unit is eligible for an overweight or oversized single trip permit.

Applicants for permits must submit a completed Kentucky Overweight or Overdimensional Permit Worksheet, TC Form 95-10, a \$60 fee, and a copy of an international bill of lading signed by a customs official, or an international bill of lading with an equipment interchange and inspection report.

Such overweight or overdimensional permits are valid for one move, a duration of 10 days, and 24-hour continuous movement during the duration of the overweight or overdimensional permit.

During transit, an operator must have in his /her possession a copy of the international bill of lading signed by a customs official, or an international bill of lading with an equipment interchange and inspection report.

III. SUPER LOADS

Loads 16 feet wide, 15 feet 6 inches high, 125 feet long and/or 250,000 pounds are considered super loads. All loads weighing 200,000 pounds and up will be considered for a bridge analysis, loaded or empty. All trailers with trunion axles will automatically be submitted for bridge analysis. All loads 15 feet high and greater require a pole car escort.

Axle spacing, weights and routes are required.

Super load single trip permit fees are \$60.

Processing of the application takes 10 to 12 working days.

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IV. AGENCY REFERENCES

(a) Sizes and Weights

Regulatory agency

Kentucky Transportation Cabinet, Division of Motor Carriers, Department of Vehicle Regulation, Overweight/Overdimension Section

(502) 564-7150

(502) 564-4540 (General information)

<http://transportation.ky.gov/Motor-Carriers/Pages/Overweight-Overdimensional.aspx>

Permit agency

Same as above

Super loads

Kentucky Department of Vehicle Regulation

(502) 564-7150

Hours: 8 a.m. - 4:30 p.m. (Eastern Time)

<http://transportation.ky.gov/Motor-Carriers/Pages/default.aspx>

Enforcement agency

Kentucky State Police, Commercial Vehicle Enforcement

(502) 782-2032

(502) 564-4540 (General Information)

<http://justice.ky.gov/>

VEHICLE SIZES & WEIGHTS MANUAL

Reserved

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Louisiana must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate System Highways Only	On All Other State Highways
Width:	102 in	102 in
Height:	14 ft (Interstate only)	13 ft 6 in
Length:		
Straight Trucks and Buses	45 ft	45 ft
Trailing unit on any single vehicle	30 ft	30 ft
Tractor-semitrailer combinations	No limit with legal trailer limit	65 ft
Tractor-twin-trailer combination	No limit with legal trailer limit	Not allowed
Semitrailer	59 ft 6 in	N/S
Trailers of twin-trailer combinations	30 ft	Not allowed
Auto/Boat transporter combination	75 ft	75 ft
Drawbar length	15 ft	15 ft
	Overhangs are limited to 4 ft front and 8 ft rear (not to exceed legal lengths); except the load upon the rear of a vehicle transporting poles and piling may not project more than 15 ft beyond the rear of the bed or rear tire of the vehicle, whichever is further from the cab, and 20 ft for vehicles transporting forest products (with 2-ft clearance above the road). If rear overhang exceeds 15 ft, operation allowed during daylight hours only and red flag required at the rear of the load.	
Weight:		
Single axle	20,000 lb	22,000 lb
Tandem axle	34,000 lb	37,000 lb
Tridem axle	42,000 lb	45,000 lb
Quadrum axle	50,000 lb	53,000 lb
Steering axle	Tire width governs	Tire width governs
Load per inch width of tire	650 lb	650 lb
-or-		
Gross wheel weight	N/S	N/S

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	On Interstate System Highways Only	On All Other State Highways
Gross vehicle weight	80,000 lb	80,000 lb
Tolerances	None	N/S
Grandfathered axle and/or gross weights	80,000 lb 83,400 lb (any combination of a tridem or quadrum axle.)	88,000 lb (any combination of vehicles that has a tridem or quadrum axle.)
Access:	Reasonable access — not to exceed 10 miles for food, fuel, repairs, and rest, unless otherwise prohibited. Household goods' carriers shall have unrestricted access for loading and unloading purposes only, unless otherwise prohibited.	

The law requires reasonable distribution of axle weight of tandem, tridem, and quadrum axle groups.

Tandem Axles

On *Interstate* highways a tandem axle group is properly distributed if neither of the individual axles carries more than 20,000 pounds.

On *non-interstate* highways a tandem axle group is properly distributed if neither of the individual axles carries more than 21,500 pounds.

Tandem axles on vehicles with permits are properly distributed if neither of the individual axles carries more than 60% or less than 40% of the total tandem weight shown on the permit.

Tridem Axles

On *Interstate* highways a tridem axle group is properly distributed if none of the individual axles carries more than 16,000 pounds.

On *non-interstate* highways a tridem axle group is properly distributed if none of the individual axles carries more than 17,000 pounds.

Tridem axles on vehicles with permits are properly distributed if none of the individual axles carries more than 40% or less than 25% of the total tridem weight shown on the permit.

Quadrum Axles

On *Interstate* highways a quadrum axle group is properly distributed if none of the individual axles carries more than 14,500 pounds.

On *non-interstate* highways a quadrum axle group is properly distributed if none of the individual axles carries more than 15,500 pounds.

Quadrum axles on vehicles with permits are properly distributed if none of the individual axles carries more than 30% or less than 20% of the total quadrum weight shown on the permit.

Louisiana is currently enforcing the compliance with the Federal Bridge formula on interstate highways only.

VEHICLE SIZES & WEIGHTS MANUAL

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Operators of vehicles that exceed the legal size and weight limits must obtain a permit from the Department of Transportation and Development (DOTD) prior to making any movement in the State of Louisiana.

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Permits can only be obtained from the Truck Permit Office in Baton Rouge. Permits will not be issued by the DOTD enforcement units. Permits may be applied for in person, by mail, by wire services/permit services, online at <http://www.dotd.la.gov>, by charge account/control forms, or by using prepaid permits.

Permits will not be issued for oversize or overweight movements that can be reduced or loaded within the legal size and weight limits, except for the following:

- Vehicles transporting pipe loaded across a vehicle, rather than lengthwise, are eligible for overwidth permits as long as the width of the vehicle and load does not exceed 8 feet, 8 inches;
- Vehicles transporting up to three bundles of pre-packaged or strapped oil field pipe are eligible for overwidth permits if the load does not exceed 10 feet in width;
- Vehicles transporting pulpwood or plywood bolts loaded across a vehicle, rather than lengthwise, are eligible for forest product permits;
- Vehicles transporting farm products in their natural state are eligible for harvest season permits;
- Waste disposal trucks transporting divisible loads are eligible for waste disposal truck permits and steering axle permits; or
- When all parts which have been or can be easily divided or dismantled from a shipment weigh altogether 500 pounds or less, these parts may be moved along with indivisible part of the shipment as one load.

Overlength, overheight, and overwidth permits may be granted on a single trip basis or on a blanket basis for envelope vehicles (monthly or yearly).

The original of a permit must be carried at all times in the vehicle to which it was issued. Facsimile copies of valid oversize prepaid permits are acceptable provided the copies are legible and complete.

The following types of permits are available:

- Single trip oversize permits, for vehicles and loads that exceed legal length, width, height, and projecting loads limits (overlength only vehicles, but not mobile homes, that haul loads of the same product all day may make more than one trip per day);
- Single trip overweight permits;
- Single trip oversize and overweight permits;
- Monthly oversize permits;
- Forest products permits, for transporting plywood bolts or pulp-wood exceeding legal width limits;
- Forest management equipment permits, for equipment exceeding legal width limits;
- Utility vehicle permits, for transporting utility poles exceeding the legal length and projecting load limits;
- Waste disposal truck permits, for waste disposal trucks having single axles on the rear and that exceed the legal axle weights on the rear axle;
- Steering axle permits, for equipment used primarily off-road and used only occasionally on the state-maintained highway system, and that exceeds legal axle weight on the steering axle due to its design;
- Harvest season permits or natural forest products permits, for vehicles hauling farm or forest products in their natural state and that exceed the legal gross vehicle or axle weights;
- Oil field equipment permits, for lowboys that are designed to transport oil field equipment and that exceed legal length and width;
- Agronomic/horticultural permits, for truck combinations hauling agronomic or horticultural crops in their natural state;
- Annual overweight permits;

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- Annual oversize permits;
- Bagged rice permits, for vehicles hauling bagged rice for export only and for one-way hauls within a 60-mile radius of Port of Lake Charles;
- Containerized cargo permits;
- Cotton module permits, for three-axle vehicles hauling cotton modules and that exceed legal axle, axle group, or gross vehicle weights;
- House movers equipment permits;
- Liquid bulk container permits, for vehicles transporting a liquid bulk container within a 50-mile radius of a port or harbor district;
- SASHTO or WASHTO multi-state permits (see below);
- Timber cutting/logging equipment permits, for truck combinations that have at least 18 wheels and are being operated to transport up to two pieces of timber cutting or logging equipment from one job site to another;

SASHTO regional permits

Effective September 1, 1994, nine southeastern states joined together allowing carriers — who need an oversize permit for operation on the highways in any of the nine states — to obtain a single permit to cover all nine states, rather than apply for separate permits in each state. Since that time additional states have joined, bringing the total to sixteen. The member states are Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, Missouri, North Carolina, Ohio, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia. There are, however, certain requirements to be met when applying for such permit.

The permit will only be issued for an “envelope” vehicle, transporting a non-divisible load, and whose dimensions cannot exceed the following:

Length:	100 ft overall
Height:	14 ft
Width:	14 ft
Weight:	120,000 lb GVW 12,000 lb Steering Axle 20,000 lb Single Axle 40,000 lb Tandem Axle 60,000 lb 3 or more Axles

The permit is only available through a wire service (not the state agency); is only valid for a single trip (no return trip); and is valid for no more than 10 days, or less than 5 days. Carrier will be informed of applicable restrictions when the permit is issued. (SASHTO is the Southeast Association of State Highway and Transportation Officials.)

(b) Fees

Permit fees are as follows:

Permit Type	Fee
Oversize permit (trip)	\$10/day or trip
Overweight permit (trip)	Based on gross weight and distance to be traveled

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Permit Type	Fee
Annual overweight permit	\$2,500/year
Annual oversize permit	\$500/year
Bagged rice	\$500/year
Agronomic/Horticultural permits	\$100/year
Cotton module permit	\$50/year
Forest product permits	\$10/year
Forest management equipment permits	\$10/year
Harvest season/natural forest product permits	\$10/year
Liquid bulk container permits	\$200/year
Oil field equipment permits	\$15/month
Steering axle permits	\$15/year
Timber cutting/logging equipment (for overweight only)	\$100/year
Monthly oversize permits	\$10/day
SASHTO multi-state permits	\$10 for 10 days

Containerized cargo permit fees are as follows:

Class I - Containerized Cargo Permit	\$50/year
Class II - Containerized Cargo Permit	\$500/year
Containerized special cargo permit	\$750/year

Cash, company or personal check, or money orders are accepted. Credit cards are accepted for the payment of fees for special permits, payment on account, and on a limited-time basis for the purchase of single trip permits. Charge accounts are available. A surety bond must be posted with the Truck Permit Office to establish a permit charge account.

Prepaid oversize permit forms may be purchased for \$10 each at the Truck Permit Office, the Louisiana truck center, or by mail.

(c) Insurance Requirements

All permits are issued on the condition that the permittee accepts and uses the permit at his own risk, even though all instructions, directions, and requirements of the Department have been followed. The permittee and the owners and operators of escort vehicles shall hold the State of Louisiana and the Department of Transportation & Development harmless from any damages resulting from the movement.

Before a special permit is issued, a liability bond or certificate of insurance which insures any damage to state property must be on file with the Truck Permit Office for all vehicles and loads which are either overweight, and/or 14 or more feet in width. The amount of the bond is \$100,000 for a single trip and \$250,000 for a year.

The original of the property damage bond, a power of attorney for the principal, and a power of attorney for the insurance company must be furnished to the Truck Permit Office.

To establish a permit charge account, a bond in the minimum amount of \$1,000 or in increments of \$1,000 to an amount equal to the customer's monthly billing must be posted.

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(d) Permitted Vehicle Limitations

Maximum permit weights allowed are as follows:

- *Each single axle:*
 - 24,000 pounds if the gross vehicle weight is 120,000 pounds or less; but
 - 20,000 pounds if the gross vehicle weight exceeds 120,000 pounds.
 - Multi-State permit weight limits are 12,000 pounds on the steering axle and 20,000 pounds on others.
- *Each tandem axle:*
 - 48,000 pounds if the gross vehicle weight is 120,000 pounds or less; but
 - 40,000 pounds if the gross vehicle weight exceeds 120,000 pounds.
 - 45,000 pounds if the gross vehicle weight exceeds 120,000 pounds and the spread between axle groups is a minimum of 12 feet; and the spread between tires in a group is a minimum of 4 feet.
 - 40,000 pounds if the maximum on Multi-State permits.
- *Each tridem axle group* — 60,000 pounds.
- *Each tandem trunion axle group (16 tires)* — 54,000 pounds.
- *Gross vehicle weight* — 254,000 pounds. Permit requests for gross vehicle weights exceeding 254,000 pounds require detailed information, and inquiries should be directed to the Truck Permit Office well in advance of the movement. Since railroads and navigable waterways are adequate for the movement of loads in excess of 254,000 pounds, these facilities must be used instead of highways, except for the hauling necessary to move a load from its origin to the nearest railway or waterway and to move a load from the railway or waterway to its destination.

A load cannot project more than four feet beyond the front of a vehicle or more than eight feet beyond the rear of the bed or body of a single vehicle, or the rear vehicle of a combination of vehicles. Except that:

- The load on the rear vehicle of a combination of vehicles transporting forest products in their natural state cannot project more than 20 feet beyond the rear of the bed or the back of the rear tire of the vehicle, whichever is further from the cab, and the load must clear the pavement by at least two feet. When the rear projection is more than 15 feet, the vehicle may operate only during daylight hours; and
- Vehicles transporting wooden poles or piling cannot project more than 15 feet beyond the rear of the bed or the back of the rear tire of the vehicle, whichever is further from the cab, and must clear the pavement by at least two feet. When the rear projection is more than eight feet, the vehicle may operate only during daylight hours.

Equipment that is permanently attached to and cannot be readily removed from the vehicle is not considered load if the vehicle meets state safety standards and is licensed for use on state highways, and if any projection beyond the vehicle is at least six feet above the surface of the highways.

(e) Sign Requirements

All warning signs must be at least seven feet long and 18 inches high. Letters must be black with a 1½-inch brush stroke, and must measure at least 10 inches high, on a yellow background. The sign must be displayed on the front of the vehicle and on the rear of the load or vehicle, depending on which can be seen more clearly. Warning signs must display the wording **OVERSIZE LOAD**.

OVERSIZE LOAD signs are required for vehicles and loads exceeding 10 feet in width.

Vehicles and loads exceeding the legal front overhang must display one **OVERSIZE LOAD** sign on the front of the vehicle. If the overhang clears the pavement by six feet or more, no sign is required.

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Vehicles and loads exceeding legal length must display two OVERSIZE LOAD signs. These signs must be on the sides of the overhanging part of the load or, if this is not possible, on the sides of the vehicle.

(f) Flags and Lighting Requirements

Flags

Red/fluorescent orange flags measuring at least 18 inches square must be displayed on the extreme front and/or rear of the oversize vehicles or load and on any portion which is wider than the flagged front or rear edges. All warning flags must be securely fastened by at least one corner or securely mounted on a staff that keeps the flag upright.

All overwidth vehicles must display warning flags. There must be flags at the following points:

- Four flags (two on the front edges and two on the rear edges) at the widest points on the part of the vehicle or load which exceed the legal width;
- One flag on the rear edge of the load will be sufficient if a load projects only to one side of a vehicle of legal width;
- One flag will be sufficient if a projecting load does not exceed three feet from front to back; and
- Flags must be attached on any other portion of the vehicle that is wider than the flagged front or rear edges.

Overheight vehicles must display flags if directed by the permit.

Overlength movements or vehicles that have a rear overhang of over four feet must display warning flags. If the overhang clears the pavement by six feet or more, flags are not required. There must be flags at the following points:

- One flag at the extreme rear end of the load if the overlength or projecting portion is two feet wide or less; or
- Two flags must be located at the extreme rear of the load to indicate maximum width if the overlength or projecting portion is wider than two feet.

When the rear projection of a vehicle transporting forest products exceeds 15 feet, a red flag measuring one foot square must be displayed on the rear of the projection. The flags must be posted so that they do not extend more than six inches from the side of the vehicle.

Lights

All vehicles and loads which are permitted to travel at night or during inclement weather must be equipped with lights as required by law.

In addition, Louisiana requires lights at night and during inclement weather on vehicles and loads which exceed the legal width:

- Two amber lights must be attached at the widest points on the front edges of the overwidth part of the vehicle or load and these lights must be visible from both the front and the side;
- Two red lights must be attached at the widest points on the rear edges of the overwidth part of the vehicle or load, these lights must be visible from the rear and the side;
- An amber light must be attached on any part of the vehicle or load which is wider than the front or rear edges and must be visible from the front, side and rear; and
- A single amber light on each side (visible from the front, side and rear) may be used if the overwidth part of a vehicle or load does not exceed three feet from front to back. If the overwidth part is at or near the rear of the vehicle, this light may be red and visible from front, side, and rear.

Louisiana also requires lights at night and during inclement weather on vehicles and loads which are overlength or have rear end overhangs of more than four feet. Two red lights, one on each side, must be visible

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from the side and indicate the extreme rear of the vehicle or load. Two red lights (one on each side) and two red reflectors (one on each side) must be visible from the rear, must be located on the rear of the vehicle or load, and must indicate maximum width of the overlength or projecting part. However, if the overlength or projecting part is two feet wide or less, one red light and one red reflector is sufficient. Two or more lights may be combined if the resulting light still conforms to the requirements and its effectiveness is not hurt by the combination. All lights must be visible from a distance of 500 feet and must be of type approved for such use by the Department of Public Safety. Approval can be obtained at State Police troops.

(g) Escort/Flagperson Requirements

Escort requirements

Private Escorts

A private escort will be required for vehicles and loads:

- Over 12 feet wide and up to 16 feet wide on a two-lane highway;
- Over 12 feet wide and up to 16 feet wide on a multi-lane highway; or
- Over 90 feet long and up to 125 feet long.

An escort vehicle may escort two overlength vehicles or loads, but only one overwidth vehicle or load.

An escort vehicle must travel to the rear of the overwidth movement on multilane highways and in front of the escorted load on two-lane highways. An escort vehicle must be behind vehicles that are overlength only.

Headlights and rear lights on the escort vehicle and the vehicle being escorted must be lit at all times during the movement.

Pole or bucket truck escorts are required as follows:

Load Type	Pole/Bucket Truck Details
Loads over 15 feet 10 inches in height	<p>A pole truck with a height indicator is required. The pole truck is to travel in front of the permitted load to detect low clearances while traveling on the state maintained highway system.</p> <p>This restriction does not preclude the requirement for bucket trucks at greater heights or as determined by the Truck Permit Office.</p> <p>Loads traveling strictly on Interstate highways or off the state maintained highway system will be exempt from this requirement.</p> <p>Loads that require an escort and are traveling on multi-lane highways will require both an escort and a pole truck (or car), since the escort vehicle is required to travel behind the loads on these highways</p>
Loads over 16 feet 8 inches in height	<p>A pole truck with an approved instrument to safely lift utility lines for the load to pass under is required. The pole truck is to travel in front of the permitted load to safely lift utility lines while traveling on the state maintained highway system.</p> <p>This restriction does not preclude the requirement for bucket trucks at greater heights or as determined by the Truck Permit Office.</p> <p>Loads that require an escort and are traveling on multi-lane highways will require both an escort and a pole truck (or car), since the escort vehicle is required to travel behind the loads on these highways.</p>

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Load Type	Pole/Bucket Truck Details
Loads exceeding 17 feet 11 inches in height	A bucket truck is required. A bucket truck could be required by the Truck Permit Office at lower heights if the movement of the load requires travel through a metropolitan area or a rural area where the number of utility lines would hinder the safe movement of the load.

Police Escorts

Travel through metropolitan areas may require city or parish escorts and/or permits. Contact with city or parish authorities is the responsibility of the hauler for possible requirements and/or restrictions.

State police escorts are required for all vehicles and loads over:

- 16 feet wide on two-lane highways;
- 16 feet wide on multilane highways; or
- 125 feet in length.

Loads over 18 feet in height may require a front and rear state police escort. Loads over 18 feet in width will require a front and rear state police escort.

Flagperson requirements

Vehicles over 75 feet in overall length may require a flagperson if specified by the Department.

There are no flagperson requirements for overweight or overheight movements; however, some loads may be required to be accompanied by a bucket truck or escort with a height pole, and equipment and qualified personnel to lift lines as needed.

(h) Escort Car/Company Requirements

Escort certification

All private escorts must have a Louisiana Approved Escort Vehicle Permit obtained from DOTD Weights and Standards Police Officer. This permit will certify that the required safety equipment and proof of liability insurance have been verified. Before an escort vehicle permit and decal can be issued, escort operators must certify that they meet the requirements regarding insurance, vehicle plate, driver's licenses, escort vehicle markings, and warning/emergency equipment. The permit is \$10 for companies domiciled outside of Louisiana.

Closed vans (stepside), buses, campers, motorhomes, and motor driven cycles are not acceptable as escort vehicles. A vehicle that has all of the required equipment (in proper working order) may escort until which time he/she crosses a stationary scale or is stopped by a mobile unit. At that time the escort will be inspected and issued the permit and decal without being assessed a penalty. At no time may the escort vehicle tow another vehicle or trailer.

Escort car/company signs, flags, and lights

Before an escort vehicle permit and decal can be issued, the following requirements must be met:

1. Appropriate truck license for type and weight commercial plate on all Louisiana domiciled automobiles, and reciprocal agreements on all others.
2. Proof of insurance with policy number in the minimum amounts of \$100,000 for liability and \$50,000 for property damage.
3. Appropriate operator's license for type of vehicle being operated. (Louisiana residents only).

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4. Amber lights measuring nine inches by four inches square, with 360 degree visibility, must be posted with the base of the light measuring 60 inches from the roadway. All lights at both the front and rear must be operable. Bar lights or strobe lights may be used in place of amber lights.
5. Two 18-inch square red warning flags mounted on masts must be posted on top of the vehicle at an approximate 45 degree angle. The angle of the flags shall be posted so that they do not extend more than six inches from the side of the vehicle. The flags must be displayed in a V formation with the light mounted at the base of the V. When the flags are displayed, they must be in line with the light(s).
6. Door signs must include the name and complete address, or name, city, state, and telephone number. A well-known company logo is acceptable (permanent or semi-permanent). Lettering must be at least two inches tall and legible at 25 feet.
7. Two rear view side mirrors.
8. Radio communication with load.
9. A ten-pound dry chemical fire extinguisher or equivalent, four 15-minute burning flares, and two hand-held red flags (hazard markers may be substituted for flares).
10. Four red 18-inch square flags and two OVERSIZE LOAD signs must be displayed on the load. OVERSIZE LOAD signs must be 18 inches high by seven feet wide with black lettering on yellow background. Lettering must be ten inches high with 1½-inch brushstroke.

Headlights and rear lights on the escort vehicle and the vehicle being escorted must be lit at all times during the movement.

(i) Travel Restrictions

Routes, times of travel, escorts, speed limits, may be specified to assure safety of movement.

When the projection of a load on the rear vehicle of a combination of vehicles transporting forest products in their natural state exceeds 15 feet in length, the vehicle may operate only during daylight hours.

In general, movements are prohibited from traveling at night, during periods of inclement weather, and on certain holidays.

Vehicles or combinations may operate from sunrise to sunset as determined by the National Weather Service.

Vehicles and loads over 14 feet in width may not travel on Interstate highways in Louisiana except for mobile homes, portable buildings, control buildings, boats, fiberglass swimming pools, and tanks up to 16 feet in width will be allowed movement on Interstate highways subject to oversize/overweight permit restrictions.

Oversize loads over 12 feet in width may not travel on the Interstate system through Shreveport, Monroe, Lake Charles, Baton Rouge, and New Orleans from 7 to 9 a.m. and from 3:30 to 5:30 p.m., Monday through Friday. The restricted areas are:

Restricted Area	Restriction Conditions
Shreveport	I-20 from I-220 on the east side of Bossier City to I-220 on the west side of Shreveport.
Monroe	I-20 from the eastern city limits of Monroe to the western city limits of West Monroe.
Lake Charles	All of I-210. I-10 from LA 397 on the east to LA 108 at Westlake on the west.
Baton Rouge	All of I-110. I-10 from Bluebonnet Rd. on the east to the Mississippi River Bridge on the west. I-12 from O'Neal Lane on the east to the junction with I-10 on the west.

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Restricted Area	Restriction Conditions
New Orleans	All of I-610. I-10 from Paris Rd. on the east to Williams Blvd. on the west. This is not to include US 90-Business from its intersection with I-10 in New Orleans westbound.

Vehicles and loads with agronomic/horticultural permits (with the exception of vehicles hauling sugar cane), cotton module permits, forest products permits, forest management equipment permits, oilfield equipment permits, and timber cutting/logging equipment permits are prohibited from traveling on Interstate highways.

Vehicles requiring permits may not cross any bridge spanning the Mississippi River or be within two miles of such bridge from 6:30 to 9 a.m. and 3:30 to 6 p.m., Monday through Friday. This restriction applies only in New Orleans.

Vehicles with loads in excess of 12 feet wide may not travel in the city of New Orleans between 7 to 9 a.m. and 3:30 to 6 p.m., Monday through Friday. This restriction does not apply to movement on the Interstate System or that section of US 90 Business between the Crescent City Connection Bridge and Interstate 10.

No vehicle whose load projects beyond the boundaries of the vehicle, or whose width exceeds 8 feet 6 inches, height exceeds 14 feet 4 inches, length exceeds 70 feet, or the weight exceeds 120,000 pounds will be allowed to cross the US 190 Mississippi River Bridge in Baton Rouge from 6:30 to 9 a.m. and 3:30 to 6 p.m., Monday through Friday.

The primary concern is the safety of the motoring public. Vehicles and loads traveling during inclement weather or at night must be equipped with all necessary safety lights.

Vehicles and loads requiring a permit are prohibited from traveling during weather that is physically severe such as extremely heavy rain, heavy fog, icy road conditions, heavy snow, or any continuous condition which creates low visibility for drivers or hazardous driving conditions.

If a movement is underway when inclement weather occurs, the vehicle must proceed to a safe place off the roadway and park until the weather clears.

Holidays

In general, no movement of a vehicle requiring a permit is allowed on the following holidays:

New Year's Day	Labor Day
Easter	Thanksgiving Day
Independence Day	Christmas Day
Memorial Day	Mardi Gras (in certain areas only)

Speed limits

Speed limits for vehicles operating under permits may not exceed 55 mph.

(j) Manufactured Housing Permits

Mobile homes that are oversize but not overweight may be issued an oversize permit for a consecutive 72-hour period with no extensions.

A house trailer, manufactured home, or mobile home that exceeds the legal width may be moved by permit, if:

- The width of such house trailer, manufactured home, or mobile home does not exceed 16 feet, 6 inches;

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- The driver of the vehicle pulling the housetrailer, manufactured home, or mobile home has a valid driver's license; and
- The driver carries evidence that the housetrailer, manufactured home, or mobile home, and the vehicle pulling it, are covered by motor vehicle liability insurance with limits of not less than \$100,000 for injury to any one person, and \$300,000 for injury to persons in any one accident, and \$25,000 for injury to property.

(k) Annual, Extended, And/Or Other Permits

Annual permits

Annual permits are available for the following:

Permit Type	Details
Annual oversize	<p>Issued for vehicles and loads that exceed the legal limitations on length, width, height, or projecting loads but do not exceed legal weight limitations. These vehicles and loads may not exceed:</p> <ul style="list-style-type: none"> • 90 ft in length; • 12 ft in width; • 25 ft rear overhang; or • 14 ft 4 in. in height. <p>Permits are valid for those days specified on the permit and may exclude holidays or certain other days. If the load being transported does not project beyond the boundaries of the vehicle, and the width and length of the vehicle and load do not exceed legal limitations, then traveling will be allowed during moderate rain, at night and on holidays.</p> <p>The permit does not allow additional length for specialized hauling equipment (i.e. car haulers, boat haulers, dromedary units). The legal length of these types of equipment is 75 ft non-inclusive of a 3-ft front overhang and a 4-ft rear overhang.</p>
Annual overweight	<p>Issued for a single, non-divisible piece of heavy equipment with a GVW not to exceed 120,000 lb, such as a backhoe, dozer, crane, skidder, pile driver, tree shearer, etc.</p> <p>Loads with a GVW exceeding 108,000 lb must have at least 6 axles.</p> <p>Vehicles are prohibited from crossing posted-weight bridges and from travel in restricted construction zones. Vertical clearances are responsibility of permittee. May travel at night, during moderate rain, or holidays if the width and length are legal.</p> <p>Permits expire one year from the starting moving date. The permit is issued for the towing unit and is non-transferable and non-refundable. Original permit must be carried in the vehicle to which it was issued.</p>
Agronomic/ Horticultural* to haul sugar cane	<p>On non-Interstate highways, maximum weights are:</p> <ul style="list-style-type: none"> • 100,000 lb GVW • 12,000 lb steering axle • 48,000 lb tandem axles • 60,000 lb tridum axles <p>May travel at night, during moderate rain, and on holidays.</p> <p>Permits expire each year on December 31.</p>

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Permit Type	Details
Bagged rice*	<p>On non-Interstate highways, maximum weights are:</p> <ul style="list-style-type: none"> • 95,000 lb GVW • 37,000 lb tandem axles • 45,000 lb tridum axles <p>Permits are valid for one year, expiring each year on December 31 and are tied to the towing unit.</p> <p>May travel at night, during moderate rain, and on holidays.</p>
Cotton module*	<p>On any state maintained highway (non-Interstate), maximum weights are:</p> <ul style="list-style-type: none"> • 68,000 lb GVW • 20,000 lb single axle • 48,000 lb tandem axles <p>May travel at night, during moderate rain, and on holidays.</p>
Forest management equipment	<p>On non-Interstate highways, maximum width of 10 ft.</p> <p>May travel during holidays or during moderate rain; may not travel at night.</p>
Forest product	<p>On non-Interstate highways, maximum width of 9 ft when the pulpwood or plywood bolts are transported across the vehicle, rather than lengthwise.</p> <p>May travel during holidays or during moderate rain; may not travel at night.</p>
Harvest season or natural forest products*	<p>On non-Interstate highways, maximum weights are:</p> <ul style="list-style-type: none"> • 86,600 lb GVW • 22,000 lb single axle • 37,000 lb tandem axles (except that a vehicle with tandem axles carrying forest products in their natural state are allowed 40,000 lb). <p>On Interstate highways, maximum weights are:</p> <ul style="list-style-type: none"> • 83,400 lb GVW • 20,000 lb single axle • 35,200 lb tandem axles <p>Limitations on size do not apply to trucks transporting cotton modules or cotton from the field to the gin, or cotton seed from the gin to the mill, and that possess this permit.</p> <p>Permits are valid for one year and expire on December 31.</p> <p>May travel at night, during moderate rain, and on holidays.</p>
Liquid bulk container permits*	<p>On Interstates and non-Interstate highways, maximum weights are:</p> <ul style="list-style-type: none"> • 95,500 lb GVW • 40,000 lb tandem axles • 60,000 lb tridum axles <p>Permits expire each year on December 31.</p> <p>May travel at night, during moderate rain, and on holidays.</p>
Steering axle	<p>Rig-up trucks may be issued a steering axle permit if their single steering axle weight does not exceed 24,000 lb, their length does not exceed 45 ft, and their width does not exceed 10 ft. No load may be carried by a rig-up truck with a steering axle permit and another vehicle may not be towed by the truck. A vehicle with a steering axle permit must be equipped with tires of 10.00 inches in width or larger.</p> <p>These permits are valid for travel on all state highways, including the Interstate system. Vehicles may travel at night, during moderate rain, or on holidays.</p>

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Permit Type	Details
Timber cutting/logging equipment permits*	<p>On non-Interstate highways, maximum weights are:</p> <ul style="list-style-type: none"> • 105,000 lb GVW • 12,000 lb steering axle • 48,000 lb tandem axles <p>These permits are for truck combinations that have a minimum of 18 wheels and are being operated to transport up to two pieces of timber cutting or logging equipment from one job site to another. The trailer upon which the equipment is towed and the equipment being hauled must both be owned and/or leased to the same person or company.</p> <p>Vehicles may travel on any state maintained highway except the Interstate System.</p> <p>The maximum width of the truck, trailer, and load may not exceed 12 feet. Vehicles may operate during daylight hours only and may not operate during heavy rain or when visibility is less than 500 feet.</p>

*This permit may not supersede any lesser weight limit POSTED on a bridge or highway.

Monthly permits

Monthly Oversize Permits

Monthly oversize permits are for vehicles and loads which exceed the legal limitations on length, width, height, or projecting loads, but do not exceed the legal weight limitations. The maximum dimensions are:

- 90 feet in length;
- 12 feet in width;
- 30 feet front or rear overhang; or
- 14 feet 4 inches in height.

These permits are valid for those days specified on the permit and may exclude weekends, holidays, or certain other days.

Monthly Oilfield Equipment Permits

Monthly oilfield equipment permits are for empty lowboys that are designed to transport oilfield equipment and that exceed legal length and width, but that are legal in height and weight. The maximum dimensions on non-Interstates are:

- 70 feet in length; and
- 10 feet in width.

The maximum dimensions on Interstates are:

- 70 feet in length; and
- 8 feet 6 inches in width.

These vehicles may travel on holidays, at night, or during moderate rain.

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(I) Sealed Containerized Cargo Permits

Containerized cargo class I

Containerized cargo class I permits are for sealed ocean containers used in hauling prepackaged products for international trade originating from or destined to an intermodal facility. This permit allows for the transportation of ocean containers with a gross vehicle weight limitation not to exceed 80,000 pounds and axle group weight not to exceed 40,000 pounds per tandem axle.

Containerized Cargo Class I Permit Maximum Weights

Gross Vehicle Weight	80,000 lb
Tandem Axles	40,000 lb

Note: This permit may not supersede any lesser weight limit POSTED on a bridge or highway.

Vehicles with a containerized cargo class I permit are allowed movement on Interstate and non-Interstate highways and are valid for one year, expiring each year on December 31. The vehicles are not prohibited from traveling at night, during moderate rain, or on holidays. These permits are issued on computer generated permit forms which may be obtained from the Truck Permit Office or the Louisiana Truck Center.

Containerized cargo class I permits are \$50 per year.

Containerized cargo class II

These permits are for sealed Ocean Containers used in hauling prepackaged products for international trade within a fifty (50) mile radius from a statutorily defined port or harbor district to an intermodal facility. This permit allows for the transportation of Ocean Containers with a gross vehicle weight limitation not to exceed ninety five thousand (95,000) pounds and the axle weight not to exceed twenty thousand (20,000) pounds per axle provided the rear axle set is a tridum.

Containerized Cargo Class II Permit Maximum Weights

Gross Vehicle Weight	95,000 lb
Tandem Axles	40,000 lb
Tridum Axles	60,000 lb

Note: This permit may not supersede any lesser weight limit POSTED on a bridge or highway.

Vehicles with a Containerized Cargo Class II Permits are allowed movement on Interstate and non-Interstate highways and are valid for one year, expiring each year on December 31. The vehicles are not prohibited from traveling at night, during moderate rain, or on holidays. These permits are issued on computer generated permit forms from the Truck Permit Office or the Louisiana Truck Center.

Containerized cargo class II permits are \$500 per year.

Containerized special cargo permit

These permits are for vehicles that transport sealed containerized cargo for export only and for one-way hauls from Pineville, Louisiana and New Orleans, Louisiana. This special annual permit is limited to sealed containerized cargo which contains containerboard, kraft liner, or roll pulp. This permit authorizes the operation of a vehicle or combination of vehicles with not more than five axles at a total gross weight not to exceed 90,000 pounds with a tandem axle weight not to exceed 40,000 pounds (but does not supersede any lesser weight limit POSTED on a bridge or highway).

Vehicles with a Containerized Special Cargo Permits are allowed movement on Interstate and non-Interstate highways and are valid for one year from the issue date. The vehicles are not prohibited from

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traveling at night, during moderate rain, or on holidays. These permits are issued on computer generated permit forms from the Truck Permit Office or the Louisiana Truck Center.

Containerized special cargo permits are \$750 per year.

III. SUPER LOADS

Loads 232,000 pounds or more are considered super loads.

Loads in excess of 232,000 pounds must follow these specific guidelines for submitting information prior to a permit being issued:

1. Submit a drawing of the assembled vehicle showing:
 - a. The location of the centerline of each axle;
 - b. The spacing and size of the wheels on each axle;
 - c. The tare (unloaded tractor/trailer combination) weight of each axle in pounds;
 - d. The location of the kingpin of the trailer;
 - e. The location of the kingpin of each jeep combination;
 - f. The width and length of the flat bed (if applicable);
 - g. The location of the load on the hauling combination - including tractor(s); and
 - h. The height of the load on the hauling combination;
2. Submit a drawing showing:
 - a. The outside dimensions of the load to be hauled which should show side and end elevations and plan views;
 - b. The weight of the load and the total weight for each axle in pounds; and
 - c. The center of gravity of the load;
3. Submit a map showing the proposed route and any alternate proposed routes in order of preference;
4. In the event there are one or more parallel, alternate modes of transportation which cannot accommodate the load, such as a navigable waterway or railroad, but substantially reduces the length of haul on the State highway system, evidence of the physical and/or regulatory impasse(s) must be submitted with the permit request. This evidence must be a written response from the facility's authorities or offices stating the nature of the impasse which will not accommodate the load; and
5. Statement from the owner of the load certifying its gross weight.

Approximate approval time is four to six weeks.

IV. AGENCY REFERENCES

(a) Regulatory Agency

Department of Transportation & Development
Weights and Standards
1201 Capitol Access Road
P.O. Box 94042
Baton Rouge, LA 70804-9042
Ph: (225) 377-7100

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(b) Permit Agency

Truck Permit Office
Department of Transportation & Development
P.O. Box 94042
Baton Rouge, LA 70804-9042
Ph: (225) 343-2345 - Local
Fax: (225) 377-7108
Hours: Mon. - Fri. — 6:00 am to 5:00 pm
Sat. - Sun. — Closed
Certain Holidays — Closed

(c) Enforcement Agency

Weight Enforcement Office
Department of Transportation & Development
1201 Capitol Access Road
P.O. Box 94042
Baton Rouge, LA 70804-9042
Ph: (225) 377-7100
After hours: (225) 343-2345
Hours: Mon. - Fri. — 7:30 am to 4:15 pm
Sat., Sun. & Holidays — Closed

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I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations:

Vehicle operations in the state of Maine must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	All Highways
Width:	102 in
Height:	13 ft 6 in. + 6 in. of load (13 ft 6 in. limit on Turnpike)
Length:	
Straight Trucks or Buses	45 ft
Truck-trailer	65 ft
Tractor-semitrailer combinations	On federally-designated highways: No overall limit with legal trailers On state highways: 69 ft with 48 ft trailer, including overhang; 74 ft with 53 ft trailer, no overhang
Tractor-twin-trailer combination	On federally-designated highways: No limit with legal trailers On other state highways: 28 ft 6 in semitrailer and 28 ft 6 in straight trailer
Semitrailer	53 ft* (If 45-48 ft distance, not to exceed 38 ft between extreme tractor and trailer axles)
Trailers of twin-trailer combinations	28 ft 6 in
Auto-transporter combination	75 ft plus 3-ft front, 4-ft rear overhang
Saddlemount	97 ft
Special limitations or restrictions	All trailers over 48 ft must display a sign on the rear of the trailer stating that the vehicle/combination has a wide-turning radius. *Trailers over 48 ft allowed if the kingpin to the center of the rearmost axle does not exceed 43 ft.

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Weight: *	All Highways	Special Commodities
Single axle	22,400 lb	24,200 lb
Tandem axle	34,000 lb, 41,000 lb on a 6-axle combination	44,000 lb on 5 or more axle combination 46,000 lb on all other vehicles
Tri-axle	48,000 lb 50,000 lb on a 6-axle combination	54,000 lb 64,000 lb on 4 axle single unit forest product vehicle
Steering axle	Based on tire size	
Load per inch width of tire	600 lb	
2-axle vehicle	34,000 lb	37,400 lb
3-axle vehicle or combination of vehicles	54,000 lb	59,400 lb
4-axle vehicle or combination of vehicles or a 5 or more axle single unit vehicle	69,000 lb	75,900 lb
Combinations with 5 or more axles	80,000 lb	88,000 lb
Gross vehicle weight	100,000 lb (3-axle truck-tractor and tri-axle semitrailer)	100,000 lb

*Heavy duty vehicles (vehicles powered by a diesel engine with a GVWR greater than 8,500 lb) equipped with an auxiliary power unit are allowed an additional 400-lb gross vehicle weight or axle weight.

Special Commodities are defined as:

- A vehicle loaded entirely with building materials that absorb moisture during delivery, bark, sawdust, firewood, sawed lumber, dimension lumber, pulpwood, wood chips, logs, soil, unconsolidated rock material including limestone, bolts, farm produce, road salt, manufacturer's concrete products, solid waste, or incinerator ash;
- Dump trucks or transit-mix concrete trucks, carrying highway construction materials;
- A vehicle loaded with a majority of products requiring refrigeration, whether by ice or mechanical equipment; or
- A vehicle loaded with raw ore from the mine or quarry to a place of processing.

Combination Unit Gross Weights* for Vehicles with Shorter Wheelbases

The following Table shows the advantage of increased wheel base in terms of maximum permissible gross weight for combination units having four or more total axles. The distance in feet noted is that between extreme axles, excluding the steering axle.

Distance in feet	Axles on Vehicle	Gross Wt. Limit	Special Commodities Vehicles
8	4	59,000	
9	4	60,000	
10	4	61,000	
11	4	62,000	
12	4	63,000	
13	4	64,000	

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Combination Unit Gross Weights* for Vehicles with Shorter Wheelbases, Continued

The following Table shows the advantage of increased wheel base in terms of maximum permissible gross weight for combination units having four or more total axles. The distance in feet noted is that between extreme axles, excluding the steering axle.

Distance in feet	Axles on Vehicle	Gross Wt. Limit	Special Commodities Vehicles
14	4	65,000	
15	4	66,000	
16	4	67,000	
17	4	68,000	
18	4	69,000	
18+	4	69,000	
19	5 or more	70,000	
20	5 or more	72,000	
21	5 or more	74,000	
22	5 or more	76,000	80,000*
23	5 or more	78,000	82,000*
24	5 or more	80,000	84,000*
25	5 or more	80,000	86,000*
26	5 or more	80,000	88,000*
27	5 or more	82,000	90,000*
28	Special 6**	84,000	92,000*
29	Special 6**	86,000	94,000*
30	Special 6**	88,000	96,000*
31	Special 6**	90,000	98,000*
32	Special 6**	92,000	100,000*
33	Special 6**	94,000	100,000*
34	Special 6**	96,000	100,000*
35	Special 6**	98,000	100,000*
36	Special 6**	100,000	100,000*

*Subject also to Special Commodities Limits.

**Special six-axle vehicle may only be a three-axle tractor (not truck) hauling a tri-axle semitrailer.

Seasonal Weight Restrictions

Maine's seasonal weight restrictions can be found at <http://www.maine.gov/mdot/postedroads/index.htm>.

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

All operators of vehicles that exceed the legal size and weight limits, must obtain a permit from the Overlimit Permit Unit of the Bureau of Motor Vehicles prior to making any movement in the State of Maine.

No permits will be issued for divisible loads. All requests to move divisible loads will be denied as such loads can be reduced to legal dimensions and/or weight. Permits are granted only for roads and bridges maintained

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by the Maine Department of Transportation and the New England Transportation Consortium (NETC) network. Municipalities may have restrictions and the Maine Turnpike Authority also issues permits at the toll booth upon entry.

Permits may be obtained in person, by mail, over the phone, by fax, via permit service, or online.

Permitted vehicles must be properly registered. Applicants must provide the registration plate number(s) in order to obtain a permit. Applicants must also provide their USDOT number and may be asked to show proof of liability insurance.

The oversize or overweight permit must accompany the vehicle to which it refers and is open to inspection by police officers or employees of the Department of Transportation at all times. Furthermore, permittees are not exempt from complying with any necessary Motor Vehicle or Public Utilities Law requirements when they are operating under an oversize permit.

Permits are restricted to a single trip, unless authorized for a return trip or multiple trips, in one direction from the permitted origin to the permitted destination traveling only on the designated highways recorded on the permit.

Permits may be bundled when similar multiple moves occur within a specific geographic area for a set time period. The permit may list a variety of vehicles capable of performing multiple trips.

Permit corrections/changes and certain transfers are allowed; contact the Overlimit Permit Unit for details.

The Maine Turnpike oversize and overweight permits may be obtained at any Maine Turnpike toll plaza for a fee of \$10 (plus the applicable toll fee). Vehicles must also have a separate oversize-overweight permit from the Bureau of Motor Vehicles for travel on all non-Turnpike highways.

The following permits are available:

Permit Type	Details
Instant Overlimit Permits (Instant Permits)	<ul style="list-style-type: none"> • Permits are used for all moves except those with special routing required, where any portion of the move is outside of Maine, the move is a superload, or special conditions exist and an instant permit is not appropriate; • Permits are in an instant permit book containing 25 instant permit forms; and • Permits are valid for seven days are valid for a single trip, unless authorized for a return trip. <p>To use an instant permit, the applicant must enter the permit information in ink on the form, call the Overlimit Permit Unit, and enter any modifications/amendments and permit numbers on the permit, if approved.</p> <p>Instant permits for emergency off-hour moves are available; contact the Maine Overlimit Permit Unit for more details.</p>
Overweight Permits	<p>Overweight permits are not issued generally for loads that exceed the legal allowable axle weight when the gross weight does not exceed legal limits. Permits may be issued to Class A special mobile equipment under these circumstances.</p> <p>If a load can be moved using a larger vehicle within legal limits, permit applicants may be required to use a larger vehicle.</p>
Overwidth Permits	<p>Overwidth permits will not be granted if the load can be reduced to legal width.</p>
Overlength Permits	<p>Overlength permits are required when the overall length, including all structural parts and the load exceeds the legal limits of 45 feet for a single vehicle and 65 feet for a combination of vehicles. Overlength permits are not required for fire department vehicles, utility companies or their contractors transporting utility poles from a staging area to a final point of installation, or disabled vehicles being towed to a repair facility.</p>

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Permit Type	Details
Tree-Length Log Overlength	<p>A combination vehicle consisting of a truck tractor and semitrailer may carry tree length logs without a permit if the overall length of the vehicle and load does not exceed 74 feet. Logs may extend to the rear by up to 8 feet 6 inches, provided that no more than 25% of the length of the logs extends beyond the body of the vehicles.</p> <p>A permit is required if the length of the vehicle and load exceed 74 feet (up to 80 feet maximum). No more than 40% of the length of the logs can extend beyond the vehicle's body.</p>
Overheight Permits	<p>A permit is required when any structural part of the vehicle exceeds 13 feet 6 inches; however, the load may extend 6 inches beyond this, making the legal height with load 14 feet. The height limit on the Maine Turnpike is 13 feet 6 inches. Permits will not be granted if the load can be reduced to legal height. Permittees are responsible for contacting public utilities for any movement or alteration of overhead wires.</p>
Canadian Weight Limit Permit	<p>Commercial vehicles at Canadian gross vehicle weight limits may travel from the United States border to certain paper mills or rail yards in Maine (Baileyville, Madawaska, or Van Buren). The vehicles must be permitted and must follow a specific route, and the carrier must meet the following conditions established by the Maine Bureau of Motor Vehicles:</p> <ul style="list-style-type: none"> • Valid IFTA/IRP registration (vehicle must be registered for 100,000 pounds in Maine); • Active USDOT number listing the carrier as an active carrier; • Valid UCR registration; and • A Safety Evaluation Area (SEA) score less than 75 in all four SEA categories and an overall SAFESTAT score less than 250. <p>More information about the permit can be obtained by visiting http://www.maine.gov/sos/bmv/commercial/canadianweight.htm.</p>

Long-term permits valid for one month up to 12 months are also available.

New England Transportation Consortium

Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont have formed the New England Transportation Consortium (NETC). One of the efforts of the NETC was to develop procedures for issuing multi-state permits for nondivisible oversize and nondivisible overweight trucks engaged in interstate travel within the five states.

Under these procedures, multi-state permits may be obtained only for vehicles and loads falling within the following limits:

- Weight, 108,000 pounds on five axles or 120,000 pounds on six or more axles;
- Axle Weights, 25,000 pounds single (except for steering axle); 12,000 pounds steering axle (6,000 pounds minimum); 25,000 pounds per axle tandems; 20,000 pounds per axle tridems;

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- Length, 90 feet overall;
- Height, 13 feet 6 inches overall;
- Width, 14 feet (with an additional six inches of eave width on mobile and modular home components only, providing the greater overhang is on the right hand shoulder of the roadway).

To obtain a permit, contact the state permit office in the destination state. If the destination is outside the NETC states, the state of origin or entry will issue the permit. For vehicles exceeding above limits, individual state permits must be obtained from each state permit office.

Provisions covering signs and flags, escorts, travel restrictions, etc. accompanies the permit. For more information on all of the permit provisions under the consortium, contact the permit agency.

(b) Fees

Instant permit books - \$75 (25 permits)

Long-Term Overdimensional Permits (1 month up to 12 months) - \$25 per month

Class A Special Mobile Equipment - \$25 per month

Overweight and Overdimensional Loads - If the vehicle and load are within the long term overdimensional envelope, the standard \$25 monthly fee would apply in addition to the overweight fee.

Long-term overweight permits

Fees for Long-Term Single Month (6-Axle Minimum Combination)

Total Weight Range (pounds)	Fee
100,000 - 110,000	\$90.00
110,001 - 120,000	\$150.00

Fees for Long-Term Single Month (7-Axle or More Combination)

Total Weight Range (pounds)	Fee
100,000 - 110,000	\$65.00
110,001 - 120,000	\$115.00

Fees listed below for weights in excess of:

- 34,000 lb on a two-axle vehicle;
- 54,000 lb on a three-axle vehicle or combination;
- 69,000 lb on a four-axle vehicle or combination;
- 80,000 lb on a five- or more axle vehicle or combination;
- 100,000 lb on a six- or more axle combination of vehicles consisting of at least a three-axle truck-tractor and a tri-axle semitrailer registered for 100,000 lb not operated on the Interstate System; or
- 100,000 lb on a six-axle combination consisting of a three-axle truck-tractor and tri-axle semitrailer registered for 100,000 lb on the Interstate System.

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Excess Weight Range (pounds)	Fee
0 - 5,000	\$6.00
5,001 - 10,000	\$8.00
10,001 - 15,000	\$10.00
15,001 - 20,000	\$12.50
20,001 - 25,000	\$15.00
25,001 - 30,000	\$18.00
30,001 - 35,000	\$21.00
35,001 - 40,000	\$25.00
over 40,000	\$27.50

The following table lists the fees for the portion of the total vehicle or combination vehicle length, including the load and all structural parts, that exceeds the maximum legal length limits:

Fees for Excess Length

Excess Length Range (feet)	Fee
0 - 10	\$6.00
over 10 - 15	\$8.00
over 15 - 20	\$10.00
over 20 - 25	\$12.50
over 25 - 30	\$15.00
over 30 - 35	\$18.00
over 35 - 40	\$21.00
over 40 - 45	\$25.00
over 45	\$27.50

The maximum legal lengths are 45 ft for single vehicles; 65 ft* for combinations; and 74 ft for vehicle combinations transporting tree-length logs provided the load does not extend rearward by more than 8 feet 6 inches, and no more than 25% of the length of the logs may extend beyond the body of the vehicle combination.

*69 ft for a combination of vehicles consisting of a truck tractor and a trailer or semitrailer whose length exceeds 45 ft but does not exceed 48 ft; 74 ft for a combination of vehicles consisting of a truck tractor and a single semitrailer whose length exceeds 48 ft but does not exceed 53 ft.

The following table lists the fees for the portion of the total vehicle or combination vehicle width, including the load and all structural parts, that exceeds the maximum legal width limits:

Fees for Excess Width - Feet or portions thereof in excess of 8 feet 6 inches

Excess Width Range (feet)	Fee
0 - 2	\$6.00
over 2 - 3	\$8.00
over 3 - 4	\$10.00
over 4 - 5	\$12.50
over 5 - 6	\$15.00

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Fees for Excess Width - Feet or portions thereof in excess of 8 feet 6 inches, Continued

Excess Width Range (feet)	Fee
over 6 - 7	\$18.00
over 7 - 8	\$21.00
over 8 - 9	\$25.00
over 9	\$27.50

The following table lists the fees for the portion of the total vehicle or combination vehicle height, including the load and all structural parts, that exceeds the maximum legal height limits:

Fees for Excess Height (Vehicle & Load) - Feet or portions thereof in excess of 14 feet

Excess Height Range (feet)	Fee
0 - 5 feet	\$6.00
over 5 - 6 feet	\$8.00
over 6 - 7 feet	\$10.00
over 7 - 8 feet	\$12.50
over 8 - 9 feet	\$15.00
over 9 - 10 feet	\$18.00
over 10 - 11 feet	\$21.00
over 11 - 12 feet	\$25.00
over 12 feet	\$27.50

Except for long-term permits, the fee charged when more than one limit is exceeded is based on the limit requiring the higher fee. When a permit covers two or more loaded moves, a fee is charged for each loaded move.

Money orders, bank drafts, or credit cards are acceptable payment forms (VISA® or MasterCard® accepted; additional fees apply for other credit cards). All checks and money orders must be made payable to the Maine Secretary of State. Cash is accepted from walk-in customers.

Fees may be paid on a credit basis (monthly) with the Overlimit Permit Unit. Contact the Unit for more details.

Refunds will only be issued if it is determined that the permitted move has not been made.

Fees for state police escorts will be billed directly by the Department of Public Safety. The fees are assessed at the actual cost of services including a two-hour minimum hourly vehicle cost. The minimum charge for the escort will be four hours.

(c) Insurance Requirements

Maine requires \$50,000/100,000 public liability insurance, and \$25,000 property damage insurance for oversize or overweight vehicles unless hauling for-hire.

(d) Permitted Vehicle Limitations

More than one object may be transported in a single move as long as the object configuration does not create a divisible load that exceeds legal size and/or weight limits. If the object configuration cannot be reduced to legal limits then a permit is required to cover any dimension(s) and/or weight that exceeds the limits.

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Vehicles or combinations 20 feet wide and wider and/or 150 feet long and longer require utility and town department notifications, movement only during clear visibility, and movement during hours other than commuter or school bus hours. Permits will not be issued to move a vehicle combination consisting of a truck-tractor and a non-conforming semitrailer unless the load causes the move to exceed legal limits; or the combination is returning empty after transporting a non-divisible load under the provisions of an overlimit permit which authorizes a return trip.

Overweight permits

The maximum weights for which a permit may be granted (without a special and detailed review by the Maine DOT) are as follows:

Configuration	Legal Weight Limit (pounds)
2-axle vehicle	39,100
3-axle vehicle	62,100
4-axle truck	73,000
4-axle special mobile equipment	110,000
4-axle truck tractor-semitrailer	120,000
5-axle truck tractor-semitrailer	130,000
6-axle truck tractor-semitrailer	140,000
7-axle truck tractor-semitrailer	159,000 to 167,000**
8-axle truck tractor-semitrailer	177,000

**Axle group limits:

Axle	Limit (pounds)
1 st axle	120,000 pounds (20,000 pounds for 167,000 pounds)
2 nd , 3 rd , and 4 th axles	26,000 pounds (combined weight max. 72,000 lb)
5 th , 6 th , and 7 th axles	27,000 (combined weight max. 72,000 lb)

There is an additional 3% tolerance on any axle or group of axles.

Tree-length log overlength

Logs may extend to the rear by up to 8 feet 6 inches, provided that no more than 25% of the length of the logs extends beyond the body of the vehicles. No more than 40% of the length of the logs can extend beyond the vehicle's body.

(e) Sign Requirements

OVERSIZE LOAD or OVERWIDTH LOAD signs must measure not less than seven feet wide by 18 inches high. Lettering must be black and 10 inches high with a 1.4-inch brushstroke on a yellow background.

When a load is not oversize, the signs must be removed or covered up.

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(f) Flags and Lighting Requirements

Flags

All warning flags will be either red or fluorescent orange and at least 18 inches square, secured by at least one corner or mounted on a staff. Flags must be placed on the extreme ends of the front bumper and on the extreme ends of the load, as follows:

- For overwidth loads, at least two and up to six flags will be mounted at the widest extremity of the load depending on the load configuration.
- For overlength loads or loads with rear-end or front-end overhang in excess of four feet wide will display one flag at the end of the overhang if less than two feet wide, and two flags if the overhang is over two feet wide.

For tree-length log overlength movements, any overhang beyond four feet of the body must be flagged by a clean 12-inch by 12-inch fluorescent cloth during daylight hours.

Lights

Amber lights must be a single six-inch diameter intermittent flashing light, a single four-inch diameter rotary type light, or a light bar with four flashing strobe lights or a combination thereof. The amber lights must be centered on top of the cab unless the load protrudes out over the cab. If the load protrudes, then the amber lighting must be placed at the highest forward point of the load.

Night moves require flashing amber beacons in place of or in addition to flags.

For tree-length log overlength movements, any overhang beyond four feet of the body must, during night-time, display a red light. When lights are required, a red reflector or reflectorized paint must be displayed on the end on the log projecting farthest to the rear. The reflector or reflectorized paint must be able to reflect, at night on an unlighted highway, the undimmed lights of a vehicle approaching from the rear for at least 200 feet.

Load vehicles must travel with low beam headlights on at all times unless weight is the only overlimit condition of the permit.

(g) Escort/Flagperson Requirements

If a Maine State Police escort is a requirement for the issuance of a permit, it is the responsibility of the permittee to contact the Maine State Police to make the necessary arrangements. A three-day notice must be given when services are required. The State Police contact number is (207) 624-7000. Only the Maine State Police may provide escorts on the Interstate Highway System.

When one pilot vehicle is required, it must travel in front of the overdimensional vehicle(s), except on divided highways where the pilot vehicle will follow the overdimensional vehicle(s). If two pilot vehicles are required, one must precede and one must follow. Movement must be made in such a way to prevent other vehicles from coming in between the pilot vehicle and the overdimensional vehicle.

A pilot car is not required if the overhang is less than 15 feet with proper flags displayed. One pilot vehicle is required if the overhang is 15 feet or more.

If a night move is authorized, one or more Maine State Police officers must be present to the escort overdimensional vehicles.

When traffic in excess of seven cars is held up behind the oversize or overweight movement, or if an emergency vehicle is approaching from the rear, the driver of the vehicle must pull over to the right and allow the following traffic to pass.

Two-way mobile communication with a minimum of one-half mile transmitting radius is required if a pilot or police escort is required. Communication must be maintained between the overlimit vehicle(s) and the pilot(s) and/or police escort vehicle(s) at all times during the move. When a police escort is required, the permittee is responsible for ensuring that the required communication is in place.

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Escort car placement

The following table details the pilot vehicle and police escort requirements for a single vehicle and load or a vehicle combination and load where the object moved is not a mobile or modular home:

Number of Pilots/ Escorts	Permit Type	Width	Length	Height
1	Maine only	Greater than 12 ft and less than 16 ft	Greater than 80 ft and less than 125 ft	-
	Multi-state	Greater than or equal to 12 ft	Greater than or equal to 80 ft	-
2	Maine only	Nighttime moves of timber harvesting equipment up to 11 ft 6 in	Nighttime moves of timber harvesting equipment up to 75 ft	-
1 pilot and 1 police escort	Maine only	Greater than or equal to 16 ft and less than 20 ft	Greater than or equal to 125 ft and less than 150 ft	-
2 police escorts	Maine only	Greater than or equal to 20 ft	Greater than or equal to 150 ft	-
1 pole car	Maine only	-	-	Greater than 16 ft

The following table details the pilot and police escort requirements for a vehicle combination and load is a manufactured, modular, mobile, or pre-fabricated home:

Number of Pilots/ Escorts	Permit Type	Width	Length	Height
1	Maine only	Greater than 12 ft and less than or equal to 16 ft	Greater than 80 ft and less than 125 ft	-
	Multi-state	Greater than or equal to 12 ft	Greater than or equal to 80 ft	-
2	Maine only	Greater than 14 ft 6 in. and less than 16 ft	-	-
1 pilot and 1 police escort	Maine only	1. Base greater than or equal to 16 ft and less than 20 ft, or 2. Eaves greater than or equal to 16 ft 9 in.	Greater than or equal to 125 ft and less than 150 ft	-
2 police escorts	Maine only	Greater than or equal to 20 ft	Greater than or equal to 150 ft	-
1 pole car	Maine only	-	-	Greater than 16 ft

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(h) Escort Car/Company Requirements

The driver of an escort (pilot) vehicle must be at least 18 years of age and have maintained an operator's license for at least two years prior to the movement, and be familiar with rules regarding the outfitting and use of pilot vehicles.

Pilot vehicles may either be a pickup or an automobile equipped with an interior rearview mirror, and right and left exterior side view mirrors.

Escort car signs, flags, and lights

The escort (pilot) vehicle must display an OVERSIZE LOAD sign. The sign must be no less than five feet wide by 12 inches high with lettering eight inches high with a 1.4-inch brush stroke and a border width of one inch around the letters. The lettering must be black and displayed on a yellow background. The sign must be displayed on the roof perpendicular to the length of the vehicle and legible on both sides. Alternatively, the sign can be displayed on the front bumper when the pilot vehicle is in front of the overdimensional load, or on the rear bumper when the pilot vehicle is required to follow.

Such vehicles must also be equipped with two intermittent flashing amber lights at least six inches in diameter, or two rotary-type amber lights at least four inches in diameter, or a light bar of sufficient length and width to accommodate a minimum of four amber flashing or strobe lights (or combination thereof). These six-inch or four-inch lights must be attached to the roof of the pilot vehicle, one on the extreme left and the other on the extreme right. If a light bar is used it must be located horizontally on the roof perpendicular to the length of the pilot vehicle.

Headlights of the pilot vehicle must be on low beam at all times during the move.

(i) Travel Restrictions

When possible, permitted vehicles should be moved during periods when traffic is lightest. No movements may be made when visibility is poor or the highway is considered dangerous due to rain, snow, ice, etc.

A permittee is generally limited to daylight travel only unless the move is an emergency off-hour move or an overweight only move. Travel may be allowed at night if public safety is not affected.

Vehicles permitted for overweight-only that are capable of moving with the flow of traffic may move at any time of day.

Overwidth vehicles 14 feet or more in width operating on highways with four or more traffic lanes must maintain a five-second following distance to the vehicles in front of them. One thousand feet is required between any oversize permitted vehicles traveling in the same direction.

Overlength movements may not follow another vehicle at closer than 200 feet, except in the process of passing.

If the permitted vehicle must cross a railroad at-grade crossing, the permittee must contact the railroad to coordinate the move if:

- The vehicle or load underclearance is 10 inches or less; or
- A police escort is required; or
- The permitted vehicle is unable to maintain a steady speed of at least 10 miles per hour through any crossing.

Permittees may need to conduct a route review prior to making a move.

Permits requiring police escorts generally will not be issued for Saturdays.

Permits do not exempt vehicles from posted road or bridge restrictions. Permittees must comply with posted roads and bridges regardless of routing.

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Holiday restrictions

Movements of loads exceeding the legal limits are now permitted to move on Saturdays and Sundays throughout the year except during the months of July and August (July and August requires special authorization). Days that overlimit loads are prohibited to move are as follows:

New Year's Day	Thanksgiving Day
Memorial Day	Thanksgiving Friday
Independence Day	Christmas Eve
Labor Day	Christmas Day

Turnpike travel

Oversize loads may travel on the Maine Turnpike from one-half hour before sunrise until one-half hour after sunset (daylight hours), except for Friday afternoons, Saturdays, Sundays and holidays. The total height is limited to 13 feet 6 inches and the total width is limited to 14 feet 6 inches. For additional information, contact the Maine Turnpike Authority at (207) 871-7771.

No movement will be made when visibility is poor or the highway is considered dangerous due to rain, snow, slush, ice, or any other condition deemed unsafe by the issuing authority or a State Police officer. If movement has started and such conditions develop, movement shall be stopped at the first suitable opportunity.

Frost laws

Any portion of a State or State-Aid Highway may be closed to prevent roadway damage during the period of November 15 through June 1 of the following year. The following vehicles or combinations, however, are exempt from these closings:

- Any vehicle or combination of vehicles registered for a gross weight of 23,000 pounds or less.
- Any vehicle or combination of vehicles registered for a gross weight in excess of 23,000 pounds and traveling without a load other than tools or equipment necessary for the proper operation of the vehicle. This exemption does not apply to special mobile equipment. It shall be a violation of this subsection if the combined actual weights of any vehicle or combination of vehicles registered for a gross weight in excess of 23,000 pounds and its load are in fact less than 23,000 pounds.
- Any vehicle under the direction of a public jurisdiction and with permission from the Department of Transportation engaged in emergency maintenance of the public highway.
- Highway maintenance vehicles under the direction of the Maine Department of Transportation.
- Any vehicle transporting home heating fuel (oil, gas, coal, stove size wood) to a private consumer, groceries, bulk milk or bulk feed which is registered in excess of 23,000 pounds carrying a partial load with a weight equal to or less than indicated on an exemption certificate issued by the Maine Department of Transportation as documented by delivery slips or bills of lading accompanying the vehicle. The allowable weight indicated on the exemption certificate will be calculated based on various reduced loads per inch tire width, manufacturer's rating.
- Any combination vehicle of five axles or more weighing 80,000 pounds gross or less hauling perishable products. A permit issued by the Department of Transportation shall accompany such load of perishable products.

VEHICLE SIZES & WEIGHTS MANUAL

(j) Manufactured Housing Permits

Mobile homes and semitrailers used to haul modular homes must be registered before a permit is granted. Mobile homes must have a dealer or transit plate affixed to the back of the home. Before a permit is granted to transport a mobile home the applicant must provide the Overlimit Permit Unit with:

- The registration information for the mobile home (dealer or transit plate number); and
- The required mobile home identification information which is the year, make, color, and serial number.

Before a permit is granted to transport a modular home the applicant must provide the Overlimit Permit Unit with:

- The registration information for the semitrailer (plate number); and
- The serial number of the home to be transported.

Previously used mobile homes require a current tax release (MV-47 or MV-47E) from the town of origin, prior to being issued a permit. The tax release must be complete and include an official town stamp. Homes coming from a sales lot or from out-of-state do not require this form.

If the home is 11 feet 6 inches or wider, when measured at the base:

- The towing vehicle must have dual wheels on the drive axle and a gross vehicle weight rating of 26,001 pounds or more.
- Vehicles of at least 20,000 pounds gross vehicle weight rating in use as of July 1, 1995, by the permittee may continue to be used until permanently taken out of the mobile home moving service by that permittee.
- A red or fluorescent orange warning flag must be displayed on each of the four corners of the vehicle combination.
- The unit to be moved must be equipped with clearance lights and reflectors.
- Safety chains must be attached so as to prevent breakaway from the towing vehicle.

If the home is greater than 11 feet 6 inches to and including 13 feet 6 inches in width, no permitted travel is allowed one-half hour after sunset to one-half hour before sunrise, or on Saturday, Sunday, legal holidays, or additional designated days.

If the home is greater than 13 feet 6 inches to and including 14 feet 6 inches in width:

- No permitted travel is allowed one-half hour after sunset to one-half hour before sunrise, or on Friday after noon, on Saturday, Sunday, legal holidays, or additional designated days.
- Police escorts may be required.
- The configuration must be equipped with two additional amber lights, at least six inches in diameter for intermittent flashing lights or four inches in diameter for rotary type lights. The lights shall be located at the rear and above the sign at the extreme edges or width of the mobile or modular home.

If the home is greater than 14 feet 6 inches in width:

- No permitted travel is allowed one-half hour after sunset to one-half hour before sunrise, or on Thursdays followed by a Friday legal holiday, on Friday, Saturday, Sunday, legal holidays, or additional designated days.
- One pilot vehicle is required to follow the load on divided highways.
- On all highways except for divided highways, two pilot vehicles are required (one in front and one following the load).
- A police escort may be required for the move or portions thereof.

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(k) Annual, Extended, And/Or Other Permits

Long-term permits

Long term permits are issued on a monthly basis for a period not to exceed 12 months. They do not constitute permission to travel on city or town roads. All bridge postings must be observed.

Long term permits can be obtained in person, by mail, by fax, or through a permit service. Permits can be issued for a single unit vehicle, or on either the power unit or trailer of a vehicle combination. The towing vehicle must be registered, apportioned, or prorated for the State of Maine.

Long-term permit limitations:

- Height must be legal (vehicle must be 13 feet 6 inches; load may extend 6 inches beyond the vehicle height for a maximum height with load of 14 feet on all highways);
- Width cannot exceed 11 feet 6 inches;
- Length must not exceed 45 feet for a single unit vehicle or 75 feet for a combination of vehicles (with the exception of tree-length logs, which have a maximum length of 80 feet as long as the logs are transported by truck tractor/semitrailer combination, the rear overhang does not exceed 40% of the length of the logs, and the all other dimensions and weight are legal); and
- Weight is limited to 600 pounds per inch width of tire (and weights provided below).

Limitations on Class A Special Mobile Equipment are as follows:

- Width, height, and length must be legal;
- Total gross weight limits:

Configuration	Maximum Total Gross Weight (pounds)
2-axles	39,100
3-axles	62,100
4-axles	79,350
5 or more axles	92,000

- Individual axle unit limits:

Axle	Limit (pounds)
Single steering axle	18,900
Single axle	25,410
Tandem axles	48,300
Tri-axle	56,700

Load carrying vehicles under a long-term permit must consist of a tri-axle semitrailer and a tandem-drive, or tridem-drive truck tractor. The maximum total gross weight limit is 120,000 pounds. The individual axle unit limits are as follows:

Axle	Limit (pounds)
Steering axle	12,000 pounds max. (6,000 pounds min.)
Tandem axles	50,000 pounds max.
Tridem axles	60,000 pounds max.

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(I) Sealed Containerized Cargo Permits

Maine may issue oceangoing container (OGC) permits for sealed oceangoing containers authorizing operation at weights in excess of the legal weight allowed for the vehicle configuration. OGC permits are vehicle and route specific, issued for a pre-determined number of trips, and expire one year from the issue date. An annual administrative fee is charged along with a highway system impact fee based on the road-mile distance within Maine between the container's point of entry/exit or railhead removal point and its destination or origin point. For additional information, contact the Overlimit Permit Unit.

III. SUPER LOADS

A super load is any load that exceeds 16 feet wide, 16 feet high, 125 feet long, or 130,000 pounds.

Vehicle configurations with axle spacing and weights must be submitted to the Maine Department of Transportation.

Loads over 167,000 pounds require special approval. In addition, any vehicle hauling loads that exceed the legal weight (80,000 pounds) must be registered for at least 100,000 pounds on its apportioned registration.

Maine Department of Transportation engineers will check bridges on routes to be requested by applicant to determine if routes are capable of handling the load, if not they will reroute. Permittees will be charged for the engineering fees.

Allow up to three days for approval.

IV. AGENCY REFERENCES

(a) Sizes and Weights

Regulatory agency

ME Department of Transportation, Bureau of Maintenance & Operations, Traffic Engineering Division
(207) 624-3600
www.maine.gov/mdot/

Permit agency

Motor Carrier Services, Overlimit Permit Unit (also used for multi-state permits)
(207) 624-9000 Ext. 52134
www.maine.gov/sos/bmv/commercial/index.shtml

Maine Turnpike Authority
(207) 871-7771 or (800) 698-7747
www.maineturnpike.com/home.aspx

Super loads

Maine Department of State, Bureau of Motor Vehicle Commercial Vehicle Division
(207) 624-9000 ext. 52134 or (207) 287-8632
Hours: 7:30 a.m.-5:00 p.m. (Eastern Time)
www.maine.gov/sos/bmv/

Enforcement agency

Maine State Police Traffic Division, Commercial Vehicle Enforcement Detail
(207) 624-8939
www.maine.gov/dps/msp/

VEHICLE SIZES & WEIGHTS MANUAL

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I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Maryland must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate System Highways Only	On All Other State Highways
Width:	102 in*	102 in*
Height:	13 ft 6 in	13 ft 6 in
Length:		
Straight Trucks	40 ft	40 ft
Buses	45 ft	40 ft
Truck-trailer	62 ft***	62 ft***
Tractor-semitrailer combinations	No limit	No limit
Tractor-twin-trailer combination	No limit	Not allowed
Semitrailer	53 ft**	48 ft
Trailers of twin-trailer combinations	28 ft	Not allowed
Auto/Boat-transporter combination	65 ft****	N/S
Stinger-steered	75 ft	Not allowed

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	On Interstate System Highways Only	On All Other State Highways
Special limitations or restrictions	<p>Load overhang - 3 ft front, 6 ft rear, except automobile/boat transporters allowed 4 ft rear. Auto/boat transporters must display an 18-in square white, red, or orange fluorescent flag on the rearmost portion of the overhanging transported vehicle.</p> <p>Length limits do not apply to vehicles or combinations carrying pilings, poles, or mill logs that do not exceed 75 ft in length, or crew or racing shells.</p> <p>Overhang limits do not apply to:</p> <ul style="list-style-type: none"> • Any vehicle carrying wooden prefabricated roof trusses in an inverted position (extending up to 10 ft beyond the rear of the bed or body of the vehicle); • A combination of vehicles carrying an indivisible load if the load is not over 70 ft long and transporting during daylight hours; • Any vehicle carrying piling, poles or mill logs, nursery stock, or crew or racing shells; or • Any combination of vehicles carrying pilings, poles, or mill logs that do not exceed 75 ft in length, nursery stock, or crew or racing shells. <p>*96 in. applies on I-895, the Harbor Tunnel Thruway. On US 1 across the Conowingo Dam, trailers 102 in. wide and/or 53 ft in length not allowed.</p> <p>**53-ft trailers allowed if distance between the kingpin and center of rear axle assembly does not exceed 41 ft; and trailer is equipped with a rearend underride protection device with a continuous lateral beam which extends within 4 in. of the lateral extremities of the semitrailer and is not more than 22 in. above the surface of the road as measured on a level surface with the trailer empty. (Also require "Wide Right Turn" signs on trailer.)</p> <p>The rear overhang, measured as the distance from the center of the rear tandem axles to the rear of the semitrailer (as you have it set) may not exceed 35% of the wheelbase of the semitrailer.</p> <p>***The maximum length for any combination of vehicles with a power unit that is a cargo-carrying vehicle is 62 ft.</p> <p>****These vehicles may only be operated on interstate or designated highways, or on a highway that is the shortest route between a designated highway and (1) a truck terminal; (2) point of origin/destination for cargo; or (3) distance not to exceed 1 mile for food, fuel, repairs, or rest.</p>	
Weight:* Single axle	<p style="text-align: center;">On Interstate System Highways Only</p> <p>20,000 lb (if more than 73,000 lb RGWW) 22,400 lb (if 73,000 lb RGWW or less)</p>	<p style="text-align: center;">On All Other State Highways</p> <p>20,000 lb (if more than 73,000 lb RGWW) 22,400 lb (if 73,000 lb RGWW or less)</p>

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	On Interstate System Highways Only	On All Other State Highways
Tandem axle	34,000 lb	34,000 lb
Load per inch width of tire	N/S	N/S
-or-		
Gross wheel weight	N/S	N/S
Gross vehicle weight	80,000 lb	80,000 lb
Tolerances	None	None

*Any vehicle using an auxiliary power or idle reduction technology unit is allowed up to an additional 400 lb total in gross, axle, tandem, or bridge formula weight limits. The additional weight cannot exceed the actual weight of the unit (up to 400 lb).

STEERING AXLE WEIGHT: The gross weight on the front axle may not exceed the lesser of: 1) the sum of the rated load capacities for each tire on the axle, or 2) the sum of the rated load capacities indicated by the manufacturer as to each tire on the axle with which the vehicle is currently equipped.

The gross weight of any vehicle or combination of vehicles may not exceed the following limits:

Number of Axles	Gross Weight (in pounds)
Three	55,000
Four	66,000
Five	80,000

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Operators of all vehicles exceeding the legal size and weight limits must obtain a permit from the Hauling Permits Unit (Unit) prior to making any movement in Maryland. The Unit may not issue a blanket hauling permit or a special hauling permit, or authorize the use of a book permit, if the vehicle and its load can be dismantled or disassembled or hauled in such a way that moves can be made within Maryland size and weight limits.

Applicants may apply by prescribed form, by wire, mail, or telephone. Permits may also be obtained at <https://ahps.roads.maryland.gov/ahps/default.asp>.

Permits that may be issued for oversize or overweight movements are as follows:

Permit Type	Conditions
Blanket hauling permits	<p>Blanket hauling permits will be issued for a vehicle properly registered and carrying an oversize load or traveling empty to or from carrying an oversize load, or special mobile equipment. Permits will not be issued for divisible loads.</p> <p>Permittees may move a vehicle for which a permit was issued on any state highway, during the period for which the permit is effective, without reporting the move to the Unit.</p> <p>Valid for 30 days or one year.</p>

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Permit Type	Conditions
Book permits	<p>Each permit book contains 10 single trip book permits; one permit must be used for each movement of a qualified vehicle between the points and over the route designated on the permit. The permit also authorizes the return of an empty oversize vehicle to its starting place if the empty vehicle does not exceed the weight limits imposed by the laws of Maryland. At the time of issuance, the applicant must advise the issuing officer of all routes to be used. Before any movement may be made under a book permit, the permittee must advise the Unit of the date on which the movement will take place, and the specific route to be used. Once approved, the permittee must enter the date and route, as well as a route verification number from the Unit on both the original and on the permittee's copy of the permit.</p> <p>A book of permits is valid for two years from the date of issuance.</p>
Special hauling permits	<p>The Unit may issue a special hauling permit for a single movement of special mobile equipment or a vehicle where the vehicle and/or load is oversize or overweight. A special hauling permit authorizes the permit vehicle to make a single one-way trip between the points and over the route designated on the permit. It also authorizes the return of an empty oversize vehicle to its starting place if the empty vehicle does not exceed the legal weight limits.</p> <p>If a move for which a special hauling permit is issued will be delayed beyond the permit's original expiration date, the permit may be extended once for a period of five consecutive days, not including Sundays or holidays when no move is allowed, upon payment of a fee.</p>
Special vehicle permits	<p>A special vehicle permit authorizes the vehicle to make a single one-way trip between points and over the route designated on the permit.</p> <p>Each special vehicle must also display a valid registration plate issued by its state of origin. If the special vehicle is of a type not subject to registration, the special vehicle must be identified by the VIN or other unique number as approved by the Unit.</p>
Exceptional hauling permits	<p>Exceptional hauling permits are used to haul forestry products are valid only in Allegany County and Garrett County on state routes only; contact the Unit for more information.</p>

Special mobile equipment continuous travel permits are available.

The original blanket hauling permit, book permit, or special mobile equipment continuous travel permit (not a copy) must be carried in the vehicle when moving the vehicle on a highway in Maryland. For book permits, the permittee must also keep a copy of the book permit among his/her records until every permit in the book has been used. For special hauling permits, the original or clearly legible approved substitute of a special hauling permit must be carried in the permit vehicle.

Under Maryland's electronic permitting program, drivers may display permits and attachments on electronic devices (smartphones, tablets, laptops, etc.). Upon request, the driver must be able to retrieve and display an image of the permit. With the exception of book permits and containerized cargo permits, hauling permits issued via Maryland's Automated Hauling Permit System (AHPS) may be considered to be in the possession of the permitted vehicle driver as provided under the AHPS electronic permit program. The electronic permit program is voluntary but carriers or drivers wishing to operate under the program should check eligibility requirements prior to operating permitted loads (email haulingpermits@sha.state.md.us for more details).

Permittees must comply with all restrictions attached to the permit as well as any hauling permit restrictions posted on <http://www.marylandroads.com>. Permittees must review the restrictions prior to making permitted movements.

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(b) Fees

Permit Type	Fee
30 Day Blanket Permit	\$50.00
Annual Blanket Permit	\$500.00
Single Trip Book Permits	\$300.00 (10 permits)
Special Hauling Permit	\$30.00 plus \$5.00 for each ton or partial ton over 40 tons.
Special Hauling Permit Extension	\$5.00
Containerized Cargo Permit	No fee

There may be additional fees associated with permits for excessive size and excessive weight, such as fees for engineering structural review, escorts, etc.

Permittees must pay the total of all fees for any permit at the time of issuance unless a credit bond or escrow account is on file with the Unit.

(c) Insurance Requirements

The permittee is responsible for payment of any damages that may occur as a direct or indirect result of the oversize or overweight movement. The permittee is also responsible for any additional expenses incurred by the Administration in connection with the permit or the move authorized by the permit.

Persons hauling oversize or overweight loads in Maryland have two options to cover liability for damages caused by the move:

1. A contractual liability clause may be added to the standard insurance certificate. Such a clause would hold the state of Maryland harmless from all damages to highways or other structures caused by the move.

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2. A performance bond may be filed to cover any loss or damages. Minimum amount of such a bond is \$10,000, but additional amounts may be specified before a permit is issued.

If the movement exceeds 100 tons, a cost bond in the amount of \$1,500 may be required. The amount of the bond, however, may vary.

The Administration may also require a surety bond to guarantee payment of the costs of any surveys, studies or investigations that the Administration may perform in order to determine any special conditions of the permit. The Department may also require a bond or insurance to guarantee satisfactory performance of the move and to protect the Administration from any expense caused to them through negligence of the permittee. In addition, a bond may be required to cover any other expenses the Department may incur as a result of the movement. The amounts of all bonds shall be set by the Administration.

(d) Permitted Vehicle Limitations

Permit limitations are as follows:

Permit Type	Permitted Vehicle Limitations
Blanket hauling permits	Overall dimensions may not exceed 75 feet in length, 12 feet in width, or 14 feet in height. Blanket hauling permits issued for special mobile equipment may not exceed a weight of 90,000 pounds including all tolerances and a single axle weight of 27,000 pounds.
Book permits	Book permits shall be issued for a vehicle and its load or special mobile equipment not to exceed 13 feet in width, 15 feet in height, 85 feet in length, a gross weight of 90,000 pounds, or a single axle weight of 27,000 pounds. A vehicle traveling under a book permit must be properly registered in Maryland and have five axles or more, or display a Maryland special mobile equipment plate.
Special hauling permits	Permits are issued when the gross vehicle weight exceeds 80,000 pounds, or if the overall dimensions exceed 85 feet in length, 13 feet 6 inches in height, or 8 feet in width. Overweight vehicles must be special mobile equipment or must have five axles and be registered for at least the maximum gross weight in its registration state.
Special mobile equipment	Special mobile equipment cannot be oversize, must be capable of maintaining a speed of 45 mph, cannot impede the flow of traffic, may not exceed a gross weight of 90,000 pounds including all tolerances, may not exceed a single axle weight of 27,000 pounds including all tolerances, and must meet the safety equipment requirements (Transportation Article § 25-111).
Exceptional hauling permits	Vehicles must be in a combination that has six or more axles and the vehicle must have a minimum front to rear centerline axle spacing of no less than 50 feet.

Procedures and limitations for special vehicle permits will follow the procedures and limitations established for special hauling permits.

Vehicles with buckets, blades, scoops, or other attachments over 12 feet in width must have those attachments removed and transported on another vehicle.

Weight

The Unit will not issue a permit authorizing a permittee to carry more than 27,000 pounds on any one axle of the permit vehicle; however, an applicant that has reduced the load as much as possible, but still is not able

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to achieve the 27,000 pound maximum axle weight, may still qualify for a permit. After the applicant demonstrates that the load has been reduced, the Administration's Office of Bridge Development will perform a bridge review and analysis on an individual basis. An applicant must ensure the combination vehicle has at least 15 axles on the entire combination and any axle weighing more than 27,000 pounds must have a minimum of eight tires and be at least 10 feet wide. An axle on a combination vehicle may not weigh more than 36,000 pounds.

Permits do not authorize, and the permittee may not carry, a load which exceeds the tire manufacturer's weight rating.

(e) Sign Requirements

OVERSIZE LOAD or WIDE LOAD signs shall measure 7 feet wide by 18 inches high. Lettering shall be black with a 1 ⁵/₈-inch brushstroke, measuring at least 10 inches high, on a yellow background.

A permit vehicle must display OVERSIZE LOAD or WIDE LOAD signs. Any movement exceeding nine feet in width must display WIDE LOAD or OVERSIZE LOAD signs on both the front and rear of the vehicle.

Placement of signs may not interfere with the visibility of brake lights, turn signals, or any other required lamps or signals on the vehicle.

(f) Flags and Lighting Requirements

Flags

Red or orange fluorescent flags, at least 18 inches square must be displayed by permitted vehicles during daylight hours. They must be securely fastened by at least one corner or securely mounted on a staff.

For vehicles or loads exceeding legal width, two flags must be affixed at the widest extremities of the vehicle or load.

For permitted vehicles or loads exceeding legal length, or which have a rear-end overhang in excess of the legal limit, vehicles must display one flag at extreme rear if overlength is two feet wide or less, or have two flags displayed on each side of the extreme rear to indicate maximum width if overhang is wider than two feet.

Lights

The headlights of the permitted vehicle must be illuminated during the move.

Permitted vehicles must display warning lights if operating at night:

- For overwidth loads that are uniform in width, amber lights must be displayed on the forward corners of the load and red lights must be displayed on the rear corners of the load;
- For loads that overwidth for their entire length but with a wider portion near the middle, either amber or red lights must be displayed at the front or rear corners while amber lights must be displayed on sides at the widest point;
- For overwidth loads that are not uniform and have the overwidth portion at the extreme rear of the load, red lights must be displayed on the load's widest side point;
- If the overwidth portion of the load is at the front of the load, amber lights must be displayed on the load's widest side point; and
- For overlength loads with a rear overhang exceeding four feet, two red lights must be displayed on the end of the overhang portion of the load, along with one red light on each side of the overhang portion of the load.

Simultaneously flashing hazard warning lamps must be used by the operator of a permit vehicle when the permit vehicle is traveling 20 miles per hour less than the posted speed limit.

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(g) Escort/Flagperson Requirements

Escorts must operate behind an overlength vehicle or load, behind an overwidth vehicle or load on a multi-lane highway, and in front of an overwidth vehicle or load on a two-lane highway.

If one escort vehicle is required, it must follow the permit vehicle on any highway with two or more lanes in one direction and precede on any highway with only one lane in each direction. If transitioning from a multi-lane to a two-lane highway, every effort must be made for the escort vehicle to precede the permit vehicle prior to entering the single-lane portion of the highway.

If two escort vehicles are required, one must follow and one must precede the permit vehicle.

One escort is required for a permit move while traveling on any highway in Maryland if the permit move is:

- More than 13 feet wide (unless the load is a manufactured housing unit);
- More than 85 feet long;
- 14 feet 6 inches high or more (pole vehicle required);
- More than 60 tons gross weight;
- Construction equipment over 12 feet wide traveling off of the Interstate system; or
- Traveling when weather or road conditions justify the requirement for one escort vehicle.

Two escorts are required if the permit move is:

- 14 feet wide or more including a load that is a manufactured housing unit;
- 140 feet long or more;
- Traveling a road too narrow to allow other vehicles to pass safely in either direction;
- Traveling against traffic that will have to be diverted or stopped; or
- Traveling when weather or road conditions justify the requirement of two escort vehicles.

The escort vehicles may travel no more than 300 feet to the front or rear of the escorted vehicle. Each escorted movement shall maintain a one-mile distance from another escorted movement traveling in the same direction. Furthermore, when an escort is required, each permitted vehicle requires its own escort.

A pole escort vehicle is required when the load exceeds a height of 14 feet 6 inches. The pole vehicle must precede the permit vehicle at a distance sufficient to adequately warn the permit vehicle driver of an overhead obstruction.

In addition to the private escort required for some moves, the permittee shall also provide for a police escort when needed. A police escort is required for any permit move that is 16 feet wide or more, or in excess of 75 tons gross weight. The State Highway Department might also ask for a police escort if the permit move has a gross weight between 65 and 75 tons, traffic has to be diverted or stopped, the move will affect either two or more lanes of traffic on a highway having two or more lanes in one direction, or both lanes of traffic on a highway having only one lane in each direction, or the circumstances are necessary for public safety. The permittee is responsible for costs incurred by the Maryland State Police while escorting the permittee's oversize or overweight vehicle.

Flagpersons

Before crossing a narrow bridge or traveling on narrow roads with equipment or loads extending over the center line of the road, the permittee must make arrangements in advance so that adequate flagpersons, escorts, or police are present to warn and direct approaching traffic.

(h) Escort Car/Company Requirements

Escorts may not escort more than one oversize/overweight vehicle or load.

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Escort drivers must review the route and any special requirements with the permit vehicle driver. The permit driver, together with the escort driver, assures that signs are secured, lights are turned on and working, and two-way radios are operating properly.

Front escort drivers warn oncoming traffic of the permit vehicle, assist the permit driver to assure the proper route is being followed, and notify the permit driver of narrow structures, hazards, obstructions, pedestrians or other potential problems. Rear escort drivers warn approaching traffic of the permit vehicle, notify the permit driver of flat tires and loose objects, and notify the front escort and permit driver of traffic buildup and motorists attempting to pass.

If traffic builds up in excess of six cars behind the escorted movement, the entire move shall pull off the road and allow the following traffic to pass.

Escort car signs, flags, and lights

Escort vehicle shall display a WIDE LOAD or OVERSIZE LOAD either on the roof of the vehicle or on the front and rear of the vehicle. The sign must be at least five feet wide and 12 inches high with letters eight inches high and must be clearly visible to approaching traffic.

An escort vehicle must be equipped with at least one yellow oscillating or rotating roof light at least three inches in diameter, visible to the front and rear.

Headlights of the escort vehicle must be illuminated during the move.

(i) Travel Restrictions

Oversize and overweight movements will be made during daylight hours only, ½ hour after sunrise to ½ hour before sunset. Movements will not be permitted for Saturday after noon, Sundays, or on holidays unless otherwise specified on the permit.

Travel is not allowed when visibility is limited by atmospheric conditions or if travel is hazardous due to weather, for example, rain, sleet, snow, ice, fog, flood, or wind.

A permitted vehicle may not go off the route specified on the permit by more than one mile to rest or to secure food, fuel, or repairs.

Vehicles moving under special permit must yield the right of way to passing vehicles in either direction.

Permittees must limit travel to the shortest practical route using Interstate and state routes to reduce travel on secondary and local highways. For exceptional hauling permits, permittees must limit travel to state routes.

Permittees may move vehicles and loads that together exceed 90,000 pounds gross weight, or are 100 feet or more in length, or 12 feet or more in width over either of the following from 9 a.m. to 3:30 p.m. (except not on Saturday after noon, Sundays, or on holidays):

- I-496/I-95 Capital Beltway; or
- I-695/MD 695 Baltimore Beltway.

Permittees may move vehicles and loads that together are 14 feet or more in width on any highway in the state from 9 a.m. to 3:30 p.m. (except not on Saturday after noon, Sundays, or on holidays).

A permitted vehicle shall maintain a one-mile distance from any other permitted vehicle traveling in the same direction. Permit vehicle with escort shall maintain one-mile distance from another.

A person may not move a vehicle across a bridge when the gross vehicle weight or axle weight exceeds posted bridge limitations.

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Holiday restrictions

Holiday restrictions are as follows:

New Year's Day
 Memorial Day
 Independence Day
 Labor Day

Thanksgiving Day
 Thanksgiving Friday
 Christmas Day

Speed limits

Movements exceeding 90,000 pounds and traveling under a special hauling permit may not exceed a maximum speed limit of 35 miles per hour on regular highways and roads, and 5 miles per hour when crossing bridges.

Oversize or overweight special mobile equipment that is self-propelled and cannot maintain a speed of at least 40 miles per hour is prohibited from the Capital Beltway (I-95/I-495) and Baltimore Beltway (I-695/MD 695) between the hours of 7 to 9 a.m. and 4 to 6 p.m. (except not on Saturday after noon, Sundays, or on holidays).

Specific travel restrictions

The following restrictions apply to the movement of oversize and overweight vehicles on or through the following Maryland Transportation Authority highways (Authority highways):

- Baltimore Harbor Tunnel Thruway (I-895);
- Thomas J. Hatem Memorial Bridge (Susquehanna River Bridge, U.S. 40);
- Harry W. Nice Memorial Bridge (Potomac River Bridge, U.S. 301);
- William Preston Lane Jr. Memorial Bridge (Bay Bridge, U.S. 50/301)
- Francie Scott Key Bridge (MD 695);
- John F. Kennedy Memorial Highway (I-95);
- Fort McHenry Tunnel (I-95);
- Intercounty Connector (MD 200); and
- Any other Authority highway operated by the Authority on which the permittee may travel.

The following applies on the specified Authority highways:

Facility	Prohibited Movements
Baltimore Harbor Tunnel and its approaches (I-895)	Movements together exceeding 8 feet in width or exceeding 13 feet 6 inches in height.
I-95 Fort McHenry Tunnel and its approaches	Movements exceeding 14 feet 6 inches in height or 11 feet in width (unless in the case of vehicles/loads exceeding 12 feet in width, special written permission is obtained from the tunnel administrator).
Harry W. Nice Memorial Bridge (Potomac River Bridge, U.S. Route 301)	Movements exceeding 12 feet in width or exceeding 14 feet 6 inches in height (unless in the case of vehicles/loads exceeding 12 feet in width, special written permission is obtained) .

VEHICLE SIZES & WEIGHTS MANUAL

Movements on or across an Authority highway may be made only during daylight between 9 a.m. Monday and noon on Friday.

When moving any oversize or overweight vehicle on or across an Authority highway, the permittee or user must comply with all regulations issued by the Authority to regulate the use of an Authority highway, and with the direction of the Transportation Authority Police, including directions requiring that the vehicle be escorted during its move.

The permittee or user must notify the Facility Administrator or the Transportation Authority Police assigned to a particular Authority highway at least one hour before beginning movement of an oversize or overweight vehicle on or across the project.

(j) Manufactured Housing Permits

Maryland does not have special requirements concerning the movement of manufactured housing.

(k) Annual, Extended, And/Or Other Permits

Blanket hauling permits are valid for 30 days or one year.

Emergency permits

Permits may be available to respond to emergency situations (danger of loss of life, serious injury, fire, property damage, hazmat leakage, etc.); contact the Unit for more information.

(l) Sealed Containerized Cargo Permits

Containerized cargo permits may be issued to allow for the transportation of manifested international freight in a sealed, seagoing container that is heading to or leaving the Port of Baltimore. The permits are valid for one year and the permitted vehicle may travel permitted routes on a 24-hour daily basis. Permittees must comply with all restrictions attached to the permit as well as any hauling permit restrictions posted on <http://www.marylandroads.com>.

An indivisible load for purposes of a containerized cargo permit is as follows:

- The vehicle does not exceed the following maximum gross vehicle weight or axle weight limits:
 - 22,400 pounds on a single axle;
 - 44,000 pounds on two consecutive axles at least four feet apart; or
 - 90,000 pounds gross vehicle weight; and
- The maximum allowable gross weight limit is:
 - 80,000 pounds for a 20-foot container loaded on a 20-foot intermodal chassis;
 - 90,000 pounds for a 20-foot container loaded on a 40-foot or longer intermodal chassis; and
 - 90,000 pounds for a 40-foot container (only on certain routes specified by Maryland or the City of Baltimore; contact the Unit for more information).

To obtain a containerized cargo permit, an applicant must submit a completed application (allow five days for processing). The permittee must carry the original permit when moving the vehicle on a highway.

Permits are valid for travel on all Interstate highways in Maryland and routes under the jurisdiction of the state or City of Baltimore. The allowable routes can be found at <http://www.dsd.state.md.us/comar/getfile.aspx?file=11.04.11.04.htm>.

Permitted vehicles may not be operated at a speed greater than 50 miles per hour.

VEHICLE SIZES & WEIGHTS MANUAL

A permit will not be issued unless the vehicle has five axles or more. If the vehicle exceeds 80,000 pounds gross vehicle weight up to an including 90,000 pounds gross vehicle weight, the distance measured horizontally between the vertical center lines of the second axle and the last axle must measure at least 36 feet.

III. SUPER LOADS

Excessive size and/or weight loads or vehicles (super loads) are classified as follows:

- Excessive size, 100 feet or more in length, 16 feet or more in width, or 16 feet or more in height; and
- Excessive weight, loads exceeding 60 tons (120,000 pounds).

Massive weight loads are those with a gross weight exceeding 250 tons (500,000 pounds). Applications for excessive weight loads must be submitted at least 10 days in advance of the proposed move. Massive weight load applications must be submitted at least 30 days in advance of the proposed move. Excessive size applications must be submitted at least two working days before the proposed move.

Vehicles and loads exceeding 45 tons gross weight may not exceed 10 miles per hour under the posted speed limit.

Surety bonds may be required to move super loads.

IV. AGENCY REFERENCES

(a) Sizes and Weights

Regulatory agency

Maryland State Highway Administration, Hauling Permit Section
(410) 582-5727
www.marylandroads.com/Home.aspx

Permit agency

Same as above.

Enforcement agency

Maryland State Police, Commercial Vehicle Enforcement
(410) 694-6100
www.mdsp.org/

VEHICLE SIZES & WEIGHTS MANUAL

Reserved

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Massachusetts must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Width:	102 in	102 in
Height:	13 ft 6 in	13 ft 6 in
Length:		
Straight Trucks	40 ft	40 ft
Buses	45 ft	45 ft
Truck and trailer	60 ft	60 ft
Tractor-semitrailer combinations	No limit with legal trailer limit	No limit with legal trailer limit
Tractor-twin-trailer combination	No limit with legal trailer limit	No limit with legal trailer limit
Semitrailer	53 ft	53 ft
Trailers of twin-trailer combinations	28 ft	Not allowed
Auto-transporter combination	65 ft (plus 3-ft front and 4-ft rear overhang)	60 ft (plus 3-ft front and 4-ft rear overhang)
Stinger-steered	75 ft (plus 3-ft front and 4-ft rear overhang)	65 ft (plus 3-ft front and 4-ft rear overhang)
Weight:	On Interstate System Highways Only	On All Other State Highways
Single axle	22,400 lb; 18,000 lb if spaced less than 6 ft apart)	22,400 lb
Tandem axle	34,000 lb	34,000 lb
Tridem axle	36,000 lb	36,000 lb
Steering axle	N/S	N/S
Load per inch width of tire -or-	800 lb per in. width	800 lb per in. width
Gross wheel weight	N/S	N/S
Gross vehicle weight	80,000 lb	80,000 lb
Tolerances	5% on GW	N/S

VEHICLE SIZES & WEIGHTS MANUAL

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

A permit is required to travel on state highways or ways determined to be a through route for any motor vehicle having two axles which vehicle together with its load weighs more than 46,000 pounds, or for any motor vehicle, trailer, semitrailer, or semitrailer unit having three or more axles which together with its load weighs more than 80,000 pounds.

In addition, a permit is required for any motor vehicle, trailer, semitrailer or semitrailer unit which has a weight on any axle, measured on the ground, of more than 22,400 pounds, or if the axles are spaced less than six feet apart, more than 18,000 pounds.

A permit is also required for any motor vehicle, trailer, semitrailer and semitrailer unit where the overall gross weight on a group of two or more consecutive axles exceeds the gross weight allowed by the bridge formula.

The following vehicles may travel on a way while engaging in hauling construction materials, liquid petroleum products, or bulk feed without a permit, provided that the gross vehicle weight at which they operate does not exceed the gross vehicle weight rating established by the original manufacturer and does not exceed the vehicle's registered weight:

- A construction type motor vehicle with two axles;
- A motor vehicle carrying bulk feed;
- A construction type semitrailer or tandem unit or motor vehicle having three axles carrying construction materials;
- A semitrailer unit or motor vehicle having three axles carrying liquid petroleum products; or
- A motor vehicle having three axles and designed and used for hauling refuse, provided such a vehicle with its load does not exceed 60,000 pounds

Non-reducible load permits are available and are valid for five days.

No permit will be granted for a weight in excess of the weight for which the motor vehicle, trailer, semitrailer or semitrailer unit is registered or in excess of its gross vehicle weight rating. Permits are issued for registered vehicles only and vehicles shall be registered for the total gross weight of load and vehicle, except for certain off-highway earth moving type vehicles which in special cases may be granted a permit to move within 300 yards of the construction site without being registered.

Permit applications for overweight motor vehicles carrying reducible loads and for motor vehicles pulling trailers used in combination while transporting reducible loads must be submitted in person or by mail on the forms provided by the Massachusetts Department of Highways. Non-reducible load permits are available through the Massachusetts Online Truck Permit System at <https://otps.massdot.state.ma.us/TruckPermits/>.

The list of designated ways contained in 720 CMR 7.14 over which the permit authorizes travel must be carried with the permit in the vehicle at all times.

Permittees shall keep records of the operation of motor vehicles pulling trailers and must furnish such records to the Commissioner or a designee upon request.

New England Transportation Consortium

Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont have formed the New England Transportation Consortium (NETC). One of the efforts of the NETC was to develop procedures for issuing permits for nondivisible oversize and nondivisible overweight trucks engaged in interstate travel within the five states.

VEHICLE SIZES & WEIGHTS MANUAL

Under these procedures, multi-state permits may be obtained only for vehicles and loads falling within the following limits:

Weight—	108,000 pounds - on five or more axle. 120,000 pounds - on six or more axle units.
Length—	90 feet
Height—	13 feet 6 inches
Width—	14 feet (additional 6 inches of overhang for eaves is permissible on mobile and modular home components only).

To obtain a permit, contact states permit office in the destination state. If the destination is outside the NETC states, the state of origin or entry will issue the permit. For vehicles exceeding above limits, individual state permits must be obtained from each state permit office.

Provisions covering signs and flags, escorts, travel restrictions, etc. accompanies the permit. For more information on all of the permit provisions under the consortium, contact the state permit agency.

(b) Fees

State highways — \$15 for standard 5-day permit (if the vehicle is returning either over the statutory weight or dimension limit, the fee is \$30); \$300 for annual permit for construction equipment.

State highways — Special Hauling Permit for Reducible Loads, \$50 per 1,000 pounds over the legal limit.

(c) Insurance Requirements

The state has no specific insurance-filing requirements associated with oversize/overweight moves. Permittees, however, must accept complete responsibility for any physical damage to roadways, bridges, or other structures.

(d) Permitted Vehicle Limitations

Weight

Reducible load permits may be granted to allow the operation of a motor vehicle together with its load for gross weights up to:

- 73,000 pounds for vehicles having three axles;
- 87,000 pounds for vehicles having four axles; and
- 99,000 pounds for vehicles having five or more axles.

Triaxle vehicles will be considered as a special type of vehicle and will be given permits for 73,000 pounds if they meet the minimum distance from front axle centerline to rear axle centerline. The Department will grant permits to these vehicles for an additional 1,000 pounds, up to a maximum of 77,000 pounds for a triaxle vehicle measuring 19 feet 6 inches or greater in accordance with the following:

Minimum Spacing	Maximum Gross Load
15 feet 4 inches to 16 feet 5 inches	73,000 pounds
16 feet 6 inches to 17 feet 5 inches	74,000 pounds
17 feet 6 inches to 18 feet 5 inches	75,000 pounds
18 feet 6 inches to 19 feet 5 inches	76,000 pounds
19 feet 6 inches and up	77,000 pounds

VEHICLE SIZES & WEIGHTS MANUAL

When the vehicle is carrying a permit load the movable axle must be fully engaged.

The maximum weight for a four-axle vehicle is 87,000 pounds with a maximum single axle load of 32,000 pounds.

The maximum weight for a five-axle vehicle is 99,000 pounds.

Width

Vehicles and loads exceeding the legal width limit (102 inches) must have a special permit to operate on state highways (commercial vehicles with a registered gross weight exceeding 10,000 pounds and having mirrors or other projecting devices up to an overall width of 102 inches plus three inches on each side may operate without a special permit). The load must be non-reducible. Positioning of the load on the transporter must not cause the legal dimension to be exceeded.

The Department may issue permits to overwidth vehicles that are to be operated empty. It will not issue permits for loads that can be moved on a legal-sized vehicle, unless the vehicle is designed to transport a permanently mounted machine, crane, or drill.

Wooden trusses are limited to 14 feet 5 inches of width. Pools are limited to 14 feet 6 inches of width.

Height

The Department may grant permits for movements that exceed the legal height limit of 13 feet 6 inches. Before applying for the permit, the applicant must plan a route that will avoid all bridges, overhead signs, and other obstructions having insufficient clearance. The state has not specified a maximum practical height limit for which permits will be issued.

Wooden trusses are limited to 13 feet 6 inches of height. Pools are limited to 14 feet 2 inches of height (with height survey).

Length

No permit will be valid for a motor vehicle and trailer combination length exceeding 65 feet.

Wooden trusses are limited to 100 feet in length.

(e) Sign Requirements

An oversize vehicle that does not require an escort must display an OVERSIZE LOAD sign. The OVERSIZE LOAD signs should measure seven feet long by 18 inches high. The sign's background should be yellow with black lettering at least 10 inches high with a 1.41-inch brush stroke.

Signs must be affixed to all extremities on all overlength moves.

There are no sign requirements for overweight movements, except when specified on the permit.

(f) Flags and Lighting Requirements

Warning flags must be of a clean, red material, at least 18 inches square, and must be mounted on all corners or extremities of the overwidth or overlength movement.

Warning flags are required when the movement exceeds 8 feet 6 inches in width and/or 13 feet 6 inches in height.

VEHICLE SIZES & WEIGHTS MANUAL

(g) Escort/Flagperson Requirements

Escort cars are required as follows:

Oversize Condition	Number and Placement of Escorts
Length of 80 feet up to 94 feet 11 inches	1 rear
Length over 94 feet 11 inches	2 front and rear
Length of 134 feet or more	Massachusetts State Police and 2 front and rear
Width of 12 feet 1 inch and up; dozer with blade attached	2 front and rear
Width 12 feet 1 inch to 13 feet 6 inches	1 rear
Width over 13 feet 6 inches	2 front and rear
Width over 14 feet 11 inches	Massachusetts State Police and 2 front and rear
Height over 13 feet 8 inches	1 front
Height over 13 feet 11 inches	2 front and rear
Height over 14 feet 11 inches	Massachusetts State Police and 2 front and rear
Width over 12 feet operating on Cape Cod	Massachusetts State Police and 1 escort

(h) Escort Car/Company Requirements

Escort vehicles must be light truck or passenger vehicles equipped with two flashing amber lights visible from the front and rear. Red flags, 24 inches square, must be mounted on the right and left side of an OVERSIZE LOAD sign on the vehicle.

(i) Travel Restrictions

Permits will only authorize travel on specifically designated state highways or ways determined by the Department to be through routes which have bridges, structures and pavements of a capacity sufficient to indicate that they will be able to safely support vehicles of these weights on the aforesaid number of axles. These permits for travel over the designated ways do not under any circumstances allow travel over bridges which are posted for a weight which is less than the gross vehicle weight together with load which is then being carried.

Vehicles exceeding the statutory limits may be restricted from state highways where the safety of the traveling public is compromised. No vehicle transporting any dangerous article shall be operated within the tunnel of the John F. Fitzgerald Expressway located beneath Dewey Square in the City of Boston.

No movement may be made under permit when there are large areas of hard-packed snow or ice on the surface of the road or during a snowstorm. Skid chains must be used on the vehicle from November 1 to May 1, in case of an emergency, and installed wherever necessary.

All operators of vehicles must obey all bridge posting signs. No vehicle is to be operated on or over a bridge when that vehicle is carrying a gross weight including vehicle and load in excess of the weight for which that bridge has been posted.

Permitted vehicles may travel Monday morning starting at 12:01 a.m. until noon on Saturday, except that vehicles between 12 feet and 14 feet in width, over 80 feet and up to 114 feet in length, and over 13 feet 11 inches in height may travel only during daylight hours (except that no travel is allowed between 7 and 9 a.m. and 3:30 p.m. to 7 p.m. Monday through Friday).

Vehicles over 14 feet in width and/or over 115 feet in length may travel between 9:30 a.m. and 3:30 p.m. on Tuesdays, Wednesdays, and Thursdays.

VEHICLE SIZES & WEIGHTS MANUAL

Travel on weekends is allowed Saturdays and Sundays until noon.

No restrictions apply to operations or hydraulic cranes 11 feet wide or less and no more than 49 feet 11 inches in length operating under their own power, except for Route 95, Route 93, and the Central Artery restrictions. Other types of cranes operating under their own power must travel under permit during daylight hours except that travel is not allowed between 7 and 9 a.m. or 3 to 7 p.m., Monday through Friday.

Holiday restrictions

Special permits are not valid from noon the previous day until noon the day following holidays:

New Year's Day	Labor Day
Memorial Day	Thanksgiving Day
Independence Day	Christmas Day

(j) Manufactured Housing Permits

Modular sectional or mobile homes must not exceed 13 feet 6 inches in total height. The maximum length allowed is 100 feet. Modular, sectional, or mobile homes between 12 feet and 14 feet in width may travel under permit during daylight hours Monday through Friday, except that travel is not allowed between 7 and 9 a.m. or 3:30 and 7 p.m. The maximum width allowed is 16 feet, with limited routing.

(k) Annual, Extended, And/Or Other Permits

Annual permits

Reducible load permits are annual permits. The following qualify for annual permits:

- Construction equipment on low-bed trailers;
- Trucks up to 60 feet in length, 12 feet in width, 13 feet 6 inches in height, and registered weight;
- Tractors up to 80 feet in length, 12 feet in width, 13 feet 6 inches high, and registered weight;
- Truck cranes, up to 95 feet in length, maximum weight 130,000 pounds; or
- Boats and trucks of boats, up to 80 feet in length (depending on truck), 11 feet 6 inches in width, and registered weight.

Massachusetts turnpike authority permits

General Information

Irreducible load permits are available if the vehicle exceeds the maximum width, height, or length.

Permits issued by the Massachusetts Turnpike Authority (MTA) are not transferable to another vehicle. Upon application for an irreducible load permit, the applicant must demonstrate the number of work hours required to dismantle the load.

MTA does not issue a special permit with respect to weight, and a vehicle may not use a way, if the vehicle exceeds the gross vehicle weight rating or the registered gross weight.

Special hauling permits are required if the vehicle or combination **exceeds** the federal bridge formula weights or either of following:

VEHICLE SIZES & WEIGHTS MANUAL

Type of Vehicle	Maximum Weight
Motor vehicle with 2 axles	46,000 lb
Vehicle or combination with 3 axles	73,000 lb
Vehicle or combination with 4 or more axles	87,000 lb
Vehicle or combination with 5 or more axles	99,000 lb

Axle Spacings	Maximum Weight
A single axle or axles spaced less than 6 ft apart	18,000 lb
Axles spaced 6 ft or more apart	22,400 lb

A vehicle weighing more than the maximum vehicle weight specified above does not require an irreducible load permit for the use of the Ted Williams Tunnel, including the South Boston Bypass Road, provided that the Commissioner of Highways has issued an annual permit for construction equipment for the vehicle, allowing the vehicle to operate at a higher weight. An original annual permit issued for construction equipment must be kept in an accessible place in the vehicle to which it was issued and must be presented to an officer or MTA personnel upon demand.

Special hauling permits are required if:

- The width is greater than 8 feet 6 inches for use of the Tunnels and the vehicle width is greater than 13 feet or use of a way other than the Tunnels; or
- The height is greater than the maximum vehicle height for the way upon which the vehicle is traveling, as follows:

Way	Maximum Vehicle Height
Turnpike	13 ft 6 in
Ted Williams Tunnel	13 ft 6 in
Callahan Tunnel	12 ft 6 in
Sumner Tunnel	12 ft 6 in
Thomas P. O'Neill, Jr., Tunnel	13 ft 6 in
Prudential Tunnel	13 ft 6 in
CANA (City Square) Tunnels	13 ft 6 in
Other way not listed above	13 ft 6 in

For use of the Tunnels, a permit is required if the vehicle length is greater than the maximum vehicle length in the table as follows, and in the case of a tandem unit operating on a way, in the note below:

Type of Vehicle	Maximum Vehicle Length
Motor vehicle not listed below	33 ft
Vehicle combination other than semitrailer unit and not of a combination listed below	60 ft ¹
Articulated bus	60 ft
Auto home	40 ft
Autotransporter (traditional)	65 ft ²
Autotransporter (stinger-steered)	75 ft ²

VEHICLE SIZES & WEIGHTS MANUAL

Type of Vehicle	Maximum Vehicle Length
Boat transporter (traditional)	65 ft ²
Boat transporter (truck-trailer)	65 ft ²
Bus or school bus	45 ft
House trailer	40 ft
Saddlemount combination	75 ft ³
Semitrailer	53 ft
Tandem unit	⁴
Trailer in a tractor-trailer combination	53 ft
Trailer not in a tractor-trailer combination	33 ft
Truck	40 ft

¹No overall length limitation applies to a semitrailer unit with a semitrailer up to 53 ft in length.

²The vehicle length includes front and rear bumpers, but does not include a load overhang up to 3 ft beyond the foremost part of the front transporting vehicle or more than 4 ft beyond the rear bed of the rear vehicle.

³A number of vehicles may be transported in combination by means of saddlemount combination or fullmount mechanism.

⁴A tandem unit may operate on a way without a special permit with respect to its length, provided that the overall total number of semitrailers or trailers in the tandem unit is no greater than two; each semitrailer or trailer of the tandem unit does not exceed 28 ft in length, without regard to the overall length of the tandem unit; and a tandem unit with semitrailers or trailers that do not exceed 28 ½ ft in length, if such semitrailers or trailers were actually and lawfully operating on December 1, 1982, as part of tandem units within a 65 ft overall length limit in any state, may similarly operate on a way without a special permit with respect to its length.

A permit is required if, for use of a way other than the Tunnels, the vehicle length is greater than 55 feet for a vehicle with more than two axles, except a bus; the vehicle length is greater than 45 feet for a bus; or the vehicle length is greater than 100 feet for a vehicle combination, except a vehicle combination listed above.

Operators of oversize vehicles are responsible for checking the clearance of the vehicle and its load through any toll lane or canopy and for checking structures on a way for available clearance.

Fees

Irreducible load permits, \$350 annually, in addition to the regular toll charge. For multiple trips or a single vehicle or a convoy of vehicles, the \$350 fee represents the total fee due up to a maximum number of trips of two or more, provided that at the time of application, the applicant specifies the time period in which they will be completed.

Reducible load permit, 25% of the annual permit sticker fee

Small tandem unit permit, \$300 annually

Fees are not charged for vehicles that are under the following restrictions:

- 12 feet wide;
- 13 feet 6 inches high;
- 99,000 pounds; or
- 100 feet long (up to 80 feet long, no escort is needed).

Insurance Requirements

An applicant for a special hauling permit is responsible for injury to, and death of, persons and damage to the Authority, and public or private property caused directly or indirectly by the presence upon the Turnpike of the permitted vehicle, or by its operation by the applicant, whether owner or lessee, or by the applicant's agents, employees, or contractors. By obtaining the permit, the applicant agrees to save the MTA, its members, officers, and employees harmless from liability for injury, death, or damage.

VEHICLE SIZES & WEIGHTS MANUAL

By submitting an application for a special hauling permit, the applicant agrees to the permit requirements and certifies that the required insurance is in force.

Sign Requirements

An oversize vehicle that is not required to be accompanied by a pilot car must have a sign on the rear reading OVERSIZE LOAD.

Escort/Flagperson Requirements

A pilot car (escort vehicle) must follow the oversize vehicle if:

- The overhang is four feet or more and the load consists of poles, masts, booms, or similar shapes; otherwise if the overhang is 10 feet or more;
- The oversize vehicle is a drill rig with a boom, a shovel, or a crane;
- The oversize vehicle is odd-shaped, or has an odd-shaped load; or
- The oversize vehicle is not a tandem unit or a semitrailer unit with a semitrailer of no more than 53 feet and has a length of more than 80 feet or width of more than 12 feet.

If two or more oversize vehicles are in convoy, one may be pilot for the other, but a separate pilot car must follow the last oversize vehicle.

If an oversize vehicle is not a tandem unit or a semitrailer unit with a semitrailer of no more than 53 feet and has a length of more than 85 feet or a width of more than 13 feet, it must have pilot cars preceding and following it.

The requirements for a pilot car are:

- Truck with two axles and four wheels or a private passenger motor vehicle;
- Two flashing amber lights visible from front and rear;
- Twenty-four-inch by 24-inch red flags on the right and left rear of the pilot car; and
- A sign reading OVERSIZE LOAD.

In addition, an oversize vehicle, with load, that is higher than 13 feet 9 inches, wider than 12 feet, or longer than 100 feet, must be escorted by a Massachusetts State Police vehicle. Any vehicle that is wider than 15 feet or longer than 135 feet must be escorted by two Massachusetts State Police vehicles. Any vehicle that cannot operate at a minimum speed may be required to be accompanied by one or more Massachusetts State Police vehicles.

Travel Restrictions

A special hauling permit is valid for a trip in one direction through one of the tunnels or between specified interchanges on the Turnpike unless the permit specifies otherwise. Travel under irreducible load permits may be restricted to specific days and/or hours.

Irreducible load permits are ordinarily not issued for travel:

- In the Sumner Tunnel or the Ted Williams Tunnel in the direction away from Logan Airport between 7 and 10 a.m.
- In the Callahan Tunnel or Ted Williams Tunnel in the direction toward Logan Airport between 3 and 7 p.m.
- On the Turnpike between Interchange 11A in Westborough and Interchange 24 in Boston eastbound between 7 and 10 a.m. or westbound between 3 and 7 p.m.

Irrespective of their lengths, tandem units, double saddlemount combinations, and triple saddlemount combinations are not permitted in the Tunnels.

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Tandem units can operate in the Prudential Tunnel and portions of the Seaport Access Tunnel (I-90 Connector Tunnel) according to the permit conditions.

Parking of an overweight vehicle or an oversize vehicle is permitted only in service area parking lots. Parking of such vehicles in parking areas reserved for tandem units is prohibited.

Vehicle Markings

A vehicle that has a total height exceeding 10 feet, excluding the height of the load, may not be operated on a way unless the measurement of the total height is painted or printed in letters and numbers at least four inches high in a conspicuous place upon the side or front of the vehicle.

(I) Sealed Containerized Cargo Permits

Components must be detached. All pieces over 14 feet in width must be reduced. If a component is detached and it creates an overweight vehicle, it must be hauled separately.

III. SUPER LOADS

Massachusetts considers any load that exceeds a width of 14 feet, a height of 14 feet (13 feet 8 inches requires a route survey), or a length of 115 feet, a super load.

An application for all super loads must be submitted in writing to the state and requires a full structural analysis.

If load exceeds 130,000 pounds, an outside engineering firm must do a route survey.

Loads higher than 13 feet 9 inches, wider than 12 feet, longer than 100 feet or weighing more than 130,000 pounds must be escorted by a vehicle of the Massachusetts State Police. Loads wider than 15 feet or longer than 135 feet will require two Massachusetts State Police vehicles.

Allow up to one month for review and approval.

IV. AGENCY REFERENCES

(a) Sizes and Weights

Regulatory agency

Maintenance Engineer, Massachusetts Highway Department, Commercial Motor Vehicle Center
(508) 473-4755

www.massdot.state.ma.us/highway/Main.aspx

Massachusetts Turnpike Authority, Engineering & Maintenance
(781) 431-5000

www.massdot.state.ma.us/highway/Main.aspx

Permit agency

Same as above.

Super loads

Massachusetts Maintenance Engineer, Commercial Motor Vehicle Center
(508) 473-4778

Hours: 8 a.m.-4:30 p.m. (Eastern Time)

www.massdot.state.ma.us/highway/Main.aspx

VEHICLE SIZES & WEIGHTS MANUAL

Enforcement agency

Department of Public Safety

(617) 566-4500

www.mass.gov/eopss/agencies/dps/

VEHICLE SIZES & WEIGHTS MANUAL

Reserved

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Michigan must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Width:	102 in	96 in
Height:	13 ft 6 in	13 ft 6 in
Length:		
Single Unit	40 ft	40 ft
Bus	45 ft	45 ft
Articulated Bus	65 ft	65 ft
Truck-trailer	65 ft	59 ft
Tractor-semitrailer combinations	No limit with legal trailer limit	No limit with legal trailer limit
Tractor-twin-trailer combination	58 ft from front of first to back of last axle (or 28½ ft each trailer)	59 ft
Semitrailer	53 ft*	50 ft
Trailers of twin-trailer combinations	28 ft 6 in	N/S
Auto-transporter combination	See exceptions below.	See exceptions below.
Stinger-steered	75 ft (plus 3-ft front and 4-ft rear overhang)	75 ft (plus 3-ft front and 4-ft rear overhang)
Drawbar length	15 ft	15 ft
Special limitations or restrictions:	<p>**Semitrailers longer than 50 ft can operate on designated hwy. only, are limited to 3 axles, and must have a wheelbase of 37 ft to 41 ft (from kingpin to center of rear axle or rear axle assembly). Tractor and lowboy semitrailer combinations have no overall length if lowboy does not exceed 59 ft, kingpin to center of the rear axle does not exceed 55 ft, and there are no more than 4 axles on the lowboy (permits are available for lowboys with more than 4 axles).</p> <p>Length of a trailer or semitrailer is based on that part of the unit that carries cargo only and includes the load. The length does not include safety and energy conservation devices. <i>Projections:</i> beyond the front, 3 ft; beyond the rear, overhang of any amount is permissible if the legal length is not exceeded. However, if overhang at rear is more than 4 ft, then a 12-in. red flag in the daytime or a red light or lantern at night must be displayed at the extreme rear of the load. <i>Axle Limitation:</i> a combination of vehicles shall not exceed 11 axles.</p>	

VEHICLE SIZES & WEIGHTS MANUAL

		On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Exceptions:	<i>Width:</i>	<p>Unprocessed logs, pulpwood, wood bolts, agricultural products, and concrete pipe, 108 in. for load only; buses, 102 in.; implements of husbandry; "a farmer only" may operate or move an implement of husbandry of any width on a highway as required for normal hauling operations.</p> <p>If a vehicle is equipped with pneumatic tires and is operated on a highway, then the maximum width from the outside of one wheel and tire to the outside of the opposite wheel and tire cannot exceed 102 in. and the outside width of the body of the vehicle or the load on the vehicle cannot exceed 96 in.</p> <p>The total outside body width of a bus, trailer coach, trailer, semitrailer, truck camper, or motor home shall not exceed 102 in.</p>	
Exceptions:	<i>Lengths:</i>	<p>Truck-Tractor, Semitrailer and Trailer or Truck Tractor and 2 Semitrailers: No overall length limitation providing the length of each semitrailer and trailer including load does not exceed 28 ft 6 in. or the overall length of the semitrailer and trailer or 2 semitrailers as measured from the front of the first towed unit to the rear of the second towed unit while the units are coupled together does not exceed an overall length of 58 ft, including load. Any such combination, except as herein described with regard to assembled motor vehicles or bodies, recreational vehicles or boats, may be operated only on such highways and routes as designated by the appropriate authorities.</p>	

VEHICLE SIZES & WEIGHTS MANUAL

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
	<p>Truck and Trailer or Semitrailer: Overall length not to exceed 65 ft. Any such combination may be operated only on such highways and routes as designated by the appropriate authorities.</p> <p>Truck and Trailer, or Semitrailer: Designed and used to transport saw logs, pulpwood, and tree length poles. Overall length not to exceed 70 ft, including load. Any such combination may be operated only on such highways and routes as designated by the appropriate authorities.</p> <p>Truck tractor with a log slasher unit and a log saw unit: No overall limit if the length of each unit does not exceed 28 ½ ft or the overall length of the log slasher unit and the log saw unit, as measured from the front of the first towed unit to the rear of the second unit, while coupled together, does not exceed 58 ft.</p> <p>Truck-Tractor, Semitrailer, and Trailer, or Truck-Tractor and Semitrailer or Trailer designed and used exclusively to transport assembled motor vehicles or bodies, recreational vehicles, or boats: Any such combination not to exceed a total length of 65 ft, except a stinger-steered combo shall not exceed a total length of 75 ft. The load on any such combination of vehicles may extend an additional 3 ft beyond the front and 4 ft beyond the rear of the combination of vehicles.</p> <p>Motor vehicles wholly or partially assembled transported by utilizing 1 tow bar or 3 saddlemounts with full mount mechanisms and using the motive power of 1 vehicle: Any such combination of vehicles may not exceed the maximum length of 75 ft. Any combination exceeding 55 ft in length may be operated only on such highways and routes as designated by appropriate authorities.</p> <p>The total gross weight of any 65-ft combination of vehicles shall not exceed a ratio of 400 lb per engine net horsepower delivered to clutch or its equivalent specified in the SAE test code.</p> <p>Mobile homes: 45 ft in body length, 60 ft when in combination with a towing unit; 8 ft, 4 in. in width, 12 ft, 6 in. in height.</p> <p>Vehicles transporting flammable liquid, in bulk, which has a flashpoint at or below 70 degrees Fahrenheit: Vehicles shall meet safety standards as determined by the Department of State Police. Vehicles manufactured after July 27, 1978 are limited to 11 ft 8½ in. maximum height.</p>	

VEHICLE SIZES & WEIGHTS MANUAL

Reserved

VEHICLE SIZES & WEIGHTS MANUAL

Truck-tractor, semitrailer and trailer or truck-tractor and 2 semitrailers: Movement not allowed within a county having a population of 600,000 or more except between the hours of midnight to 6:00 a.m. on routes and at times designated by the Department of State Police.

Truck, or a truck and trailer, or a truck-tractor and semitrailer: Movement not allowed transporting a quantity of more than 9,000 gallons within a county having a population of 600,000 or more between the hours of midnight to 6:00 a.m. on routes and at times designated by the Department of State Police.

BRIDGE FORMULA WEIGHTS

Vehicles with a gross weight of 80,000 lbs. or less and being operated on state highways may be eligible for increased weights using the Bridge Weight Formula.

Vehicles with a gross weight over 80,000 lbs. or vehicles exceeding the gross weight set by the Bridge Formula are not eligible for the Bridge Weights. *Exception: 5 axle tandem tandems.*

Bridge formula would allow for the following weights:

- Single axle - 20,000 lbs.
- Tandem axles 34,000 lbs. - for the tandem axle group
- The weight of other axle groups would be set by the Bridge Formula chart. To receive these weights the vehicle would have to strictly comply with the axle spacings as set forth in the formula,

$$W=500 \left[\frac{LN}{N-1} + 12N + 36 \right]$$

FROST LAW RESTRICTIONS FOR BRIDGE FORMULA WEIGHTS

	20,000 lbs.	34,000 lbs.	80,000 lbs.
35%	13,000 lbs.	22,100 lbs.	52,100 lbs.
25%	15,000 lbs.	25,500 lbs.	60,000 lbs.

OTHER GROUPS SHOULD BE FIGURED ON AN INDIVIDUAL BASIS.

Group axle weights are determined by measuring the distance, center to center, between the first and last axles of the group and by using the B/F chart to determine the allowable gross weight for that group axles.

Gross weight determination for five axle tandem tandems is set by two measurements within the B/F.

OUTER BRIDGE	INTER BRIDGE
Axle groups 1 to 5	Axle groups 2 to 5

These measurements determine weight allowed on the group of axles. If this weight is exceeded on the 5 axle tandem, the B/F still applies.

Lift Axles

Axle weight requirements do not apply to a vehicle equipped with lift axles during the period in which the axles are raised to negotiate an intersection, driveway, or other turn and until the lift axles are fully engaged after the period of time or the distance necessary to negotiate the intersection, driveway, or turn.

VEHICLE SIZES & WEIGHTS MANUAL

COUNTY and CITY WEIGHT LIMITS

Allowable axle weights on local roadways must be consistent with state law, but final weight determinations are the responsibility of the local jurisdictions. The limitation of 700 lbs. per inch of tire width still applies. **“Access”** to/from state or federal highways on local roadways cannot be assumed. Local jurisdictions also apply width and length limitations to their roadways and retain the authority to issue or deny special permits.

You should contact the appropriate jurisdiction for specific information prior to movements upon local roadways.

BRIDGE FORMULA

Based on weight formula $W = 500 \left(\frac{LN}{N-1} + 12N + 36 \right)$ modified¹

	Distance in feet between the extremes of any group of 2 or more consecutive axles	Maximum load in pounds carried on any group of 2 or more consecutive axles ²							
		2 axles	3 axles	4 axles	5 axles	6 axles	7 axles	8 axles	9 axles
Tandem Axle Weight	4	34,000							
	5	34,000							
	6	34,000							
	7	34,000							
	8 and less	34,000	34,000						
	More than 8	38,000	42,000						
	9	39,000	42,500						
	10	40,000	43,500						
	11		44,000						
	12		45,000	50,000					
13		45,500	50,500						
14		46,500	51,500						
15		47,000	52,000						
16		48,000	52,500	58,000					
17		48,500	53,500	58,500					
18		49,500	54,000	59,000					
19		50,000	54,500	60,000					
20		51,000	55,500	60,500	66,000				
21		51,500	56,000	61,000	66,500				
22		52,500	56,500	61,500	67,000				
23		53,000	57,500	62,500	68,000				
24		54,000	58,000	63,000	68,500	74,000			
25		54,500	58,500	63,500	69,000	74,500			
26		55,500	59,500	64,000	69,500	75,000			
27		56,000	60,000	65,000	70,000	75,500			
28		57,000	60,500	65,500	71,000	76,500	82,000		
29		57,500	61,500	66,000	71,500	77,000	82,500		
30		58,500	62,000	66,500	72,000	77,500	83,000		
31		59,000	62,500	67,500	72,500	78,000	83,500		
32		60,000	63,500	68,000	73,000	78,500	84,500	90,000	
33			64,000	68,500	74,000	79,000	85,000	90,500	
34			64,500	69,000	74,500	80,000	85,500	91,000	
35			65,500	70,000	75,000	80,500	86,000	91,500	
36			66,000	70,500	75,500	81,000	86,500	92,000	
37	} 5 Axle Tandem Exception		66,500	71,000	76,000	81,500	87,000	93,000	
38			67,500	71,500	77,000	82,000	87,500	93,500	
39			68,000	72,500	77,500	82,500	88,500	94,000	
40			68,500	73,000	78,000	83,500	89,000	94,500	
41			69,500	73,500	78,500	84,000	89,500	95,000	
42			70,000	74,000	79,000	84,500	90,000	95,500	
43			70,500	75,000	80,000	85,000	90,500	96,000	
44			71,500	75,500	80,500	85,500	91,000	96,500	
45			72,000	76,000	81,000	86,000	91,500	97,500	
46			72,500	76,500	81,500	87,000	92,500	98,000	
47		73,500	77,500	82,000	87,500	93,000	98,500		
48		74,000	78,000	83,000	88,000	93,500	99,000		
49		74,500	78,500	83,500	88,500	94,000	99,500		
50		75,500	79,000	84,000	89,000	94,500	100,000		
51		76,000	80,000	84,500	89,500	95,000	100,500		
52		76,500	80,500	85,000	90,500	95,500	101,000		
53		77,500	81,000	86,000	91,000	96,500	102,000		
54		78,000	81,500	86,500	91,500	97,000	102,500		
55		78,500	82,500	87,000	92,000	97,500	103,000		
56		79,500	83,000	87,500	92,500	98,000	103,500		
57			80,000	83,500	88,000	93,000	104,000		
58				84,000	89,000	94,000	99,000	104,500	
59				85,000	89,500	94,500	99,500	105,000	
60				85,500	90,000	95,000	100,500	105,500	

²The permissible loads are computed to the nearest 500 pounds. The modification consists in limiting the maximum load on any single axle to 20,000 pounds.
¹The following loaded vehicles must not operate over H15-44 bridges: 3-S2 (5 axles) with wheelbase less than 38 feet; 2-S1-2 (5 axle) with wheelbase less than 45 feet; 3-3 (6 axle) with wheelbase less than 45 feet; and 7-, 8-, and 9-axle vehicles regardless of wheelbase.

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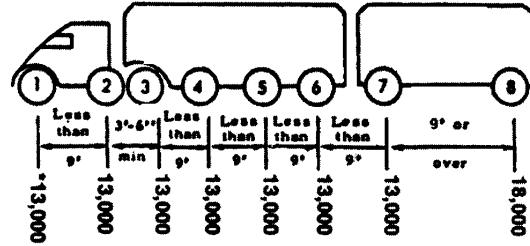
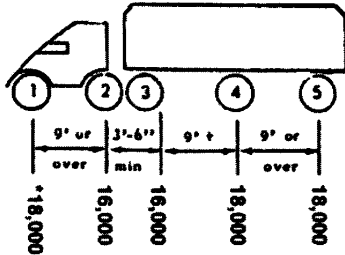
TABLE OF MAXIMUM ALLOWABLE GROSS AXLE LOADINGS				
Spacings Between Axles	Normal Loadings When Seasonal Load Limitations Are Not In Force (Speed Limit 55 MPH)		Seasonal Load Limitations (Speed Limit 35 MPH)	
	Vehicles Exceeding 80,000 lbs. Gross Weight	† Vehicles 80,000 lbs. Or Under Gross Weight	Rigid	Flexible
9 feet or over More than 3 ½ feet but, less than 9 feet When part of a tandem axle assembly When less than 3 ½ feet Maximum load on any wheel shall not exceed: (lbs. per inch of tire width)	18,000 lbs. 13,000 lbs. *16,000 lbs. 9,000 lbs. 700 lbs.	20,000 lbs. 13,000 lbs. 34,000 lbs. on tandem 9,000 lbs. 700 lbs.	13,500 lbs. 9,750 lbs. **12,000 lbs. 6,750 lbs. 525 lbs.	11,700 lbs. 8,450 lbs. ****10,400 lbs. 5,850 lbs. 450 lbs.
† Gross vehicle weight may not exceed 80,000 lbs. and the following: An overall gross weight on a group of 2 or more consecutive axles equaling: $W = 500 \left(\frac{LN}{N-1} + 12N + 36 \right)$				
Where W = overall gross weight on a group of 2 or more consecutive axles to the nearest 500 pounds, L = distance in feet between the extreme of a group of 2 or more consecutive axles, and N = number of axles in the group under consideration; except that 2 consecutive sets of tandem axles may carry a gross load of 34,000 lbs. each if the first and last axles of the consecutive sets of tandem axles are not less than 36 feet apart, and the gross vehicle weight does not exceed 80,000 lbs. including all enforcement tolerances. Except for 5-axle truck tractor, semitrailer combinations having 2 consecutive sets of tandem axles, vehicles having a gross weight in excess of 80,000 lbs. or in excess of the vehicle gross weight determined by application of the formula in this subsection shall be subject to the maximum axle loads specified in column 2 (Normal Loadings When Seasonal Load Limitations Are Not In Force).				
A vehicle or combination of vehicles, when utilizing an additional 5 miles from a "Special Designated Highway" for access to or from points of origin or destination, must reduce to the following weights when the route being traveled is under seasonal load limitations: Rigid route - 15,000 lbs. on a single axle, 12,750 lbs. per axle on a tandem axle assembly. Flexible route - 13,000 lbs. on a single axle, 11,050 lbs. per axle on a tandem axle assembly.				
* On any legal combination of vehicles, only one (1) tandem axle assembly shall be permitted at the gross weight of 16,000 lbs. per axle and no other tandem axle assembly in such combination of vehicles shall exceed a gross weight of 13,000 lbs. per axle. When the gross weight of a combination of vehicles with a load does not exceed 80,000 lbs., two (2) tandem axle assemblies shall be permitted at a gross weight of 16,000 lbs. per axle.				
** On any legal combination of vehicles, only one (1) tandem axle assembly shall be permitted at the gross weight of 12,000 lbs. per axle and no other tandem axle assembly in such combination of vehicles shall exceed a gross weight of 9,750 lbs. per axle. When the gross weight of a combination of vehicles with a load does not exceed 80,000 lbs., two (2) tandem axle assemblies shall be permitted at a gross weight of 12,000 lbs. per axle.				
*** On any legal combination of vehicles, only one (1) tandem axle assembly shall be permitted at the gross weight of 10,400 lbs. per axle and no other tandem axle assembly in such combination of vehicles shall exceed a gross weight of 8,450 lbs. per axle. When the gross weight of a combination of vehicles with a load does not exceed 80,000 lbs., two (2) tandem axle assemblies shall be permitted at a gross weight of 10,400 lbs. per axle.				

VEHICLE SIZES & WEIGHTS MANUAL

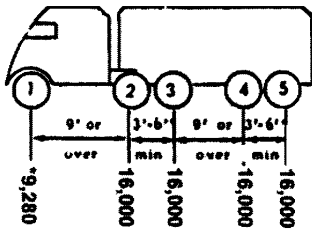
The following examples are shown as a guide for figuring the maximum allowable gross axle loads on all state trunk lines during all periods of the year.

- MINIMUM TIRE REQUIREMENTS: The maximum load on any wheel shall not exceed 700 lbs. per inch of tire width.

Illustrations of Axle Spacings:



Public Act #300, 1949, Sec. 257.722, Paragraph 3

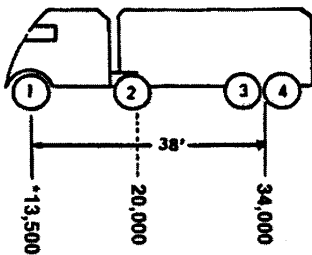


"When the maximum gross weight of a combination of vehicles with load does not exceed 80,000 lbs., 2 tandem axle assemblies shall be permitted at a gross permissible weight of 16,000 lbs. for any such individual axle."

Other Tandem Axles and Multi Axles

On any other combinations of vehicles exceeding a gross weight of 80,000 lbs., only one (1) tandem axle assembly shall be permitted at this weight (16,000 lbs. per axle). No other tandem axle assembly shall exceed 13,000 lbs. per axle.

Public Act #300, 1949 Sec. 257.722, Paragraph 8

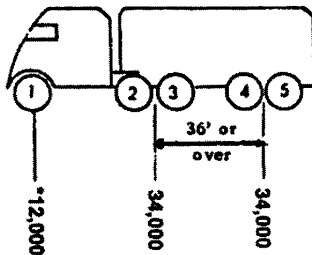


$$W = 500 \frac{LN}{(N - 1 + 12N + 36)}$$

$$W = 500 \frac{38 \times 4}{(4 - 1 + 12 \times 4 + 36)}$$

$$W = 500 \times 134.6$$

$$W = 67,300 \text{ lbs., or rounded off to nearest } 500 \text{ lbs.} = 67,500$$



The state transportation commission, or a local authority with respect to highways under its jurisdiction, may designate a highway, or section of a highway, for the operation of vehicles having a gross vehicle weight of not more than 80,000 lbs. which do not exceed any of the following:

- (i.) Twenty thousand pounds on any 1 axle.
- (ii.) A tandem axle weight of 34,000 lbs. including all enforcement tolerances
- (iii.) An overall gross weight on a group of 2 or more consecutive axles equaling:

$$W = 500 \frac{(LN + 12N + 36)}{(N - 1)}$$

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Where W = overall gross weight on a group of 2 or more consecutive axles to the nearest 500 lbs.,
L = distance in feet between the extreme of a group of 2 or more consecutive axles, and
N = number of axles in the group under consideration; except that 2 consecutive sets of tandem axles may carry a gross load of 34,000 lbs. each if the first and last axles of the consecutive sets of tandem axles are not less than 36 feet apart, and the gross vehicle's weight does not exceed 80,000 lbs. including all enforcement tolerances. Except for 5-axle truck tractor, semi-trailer combinations having 2 consecutive sets of tandem axles, vehicles having a gross weight in excess of 80,000 lbs. or in excess of the vehicle gross weight determined by application of the formula in this subsection shall be subject to the maximum axle loads specified in column 2 (normal loading when limitations are not in force) of the chart on the preceding page.

SPECIAL PERMIT INFORMATION

Vehicles or the loads thereon which exceed the legal dimensions or weights as listed, require a SPECIAL TRANSPORT PERMIT for travel. SPECIAL TRANSPORT PERMITS are issued only for the occasional movement of oversize or overweight vehicles or loads which cannot be dismantled, reduced, or otherwise rearranged to come within the legal limits. Application for permits are to be made through the Michigan Permit and Routing System (MiPARs) computer program, in person at one of MDOT's Transportation Service Centers (TSC's), or through a permit service. No overweight permits are issued when weight restrictions are in affect.

MAXIMUM TRUCK SPEED

No truck, tractor or tractor with trailer, or any combination of such vehicles with a gross weight, loaded or unloaded, in excess of 10,000 lbs., shall exceed a speed of 55 miles per hour. Speed shall be reduced to 35 miles per hour where reduced loadings are being enforced during the period of seasonal weight restrictions.

SPECIAL DESIGNATED HIGHWAYS

These routes are highlighted in green and gold on MDOT's Truck Operators' Map. (Available at MDOT Transportation Service Centers and Michigan Weight Stations.)

Seasonal Weight Restrictions

Michigan's seasonal weight restrictions can be found at <http://mdotcf.state.mi.us/public/alerts/bulletins.cfm?bulletin=active>.

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Vehicles or the loads thereon which exceed the legal dimensions or weights as listed require a Special Transportation Permit for travel. Special Transport Permits are issued only for the occasional movement of oversize or overweight vehicles or loads that cannot be dismantled, reduced or otherwise rearranged to come within the legal limits. Overweight permits will not be issued when weight restrictions are in effect.

Permits are issued only to business entities or individuals actually transporting the oversize or overweight movement. The vehicles used in the movement must be owned by the applicant or operated under a bona fide lease or rental agreement.

Applications may be submitted at the district offices in person or at the Lansing office in person, by mail, facsimile, or a commercial permit service.

A single trip permit may be issued for a five day period if so requested. A single trip permit is valid for one trip only, but may be issued to include a return move.

The two types of special permits that are issued for oversize or overweight movements are extended permits and single trip permits. Extended permits will be issued only by the Lansing Office.

Permits issued for divisible loads will be considered for vehicles or loads not exceeding eight feet, 10 inches in width.

VEHICLE SIZES & WEIGHTS MANUAL

Loads must be arranged in such a way that the dimensions of height, length, and width are kept as minimal as possible. Staggered loading is not allowed. If a loaded commodity creates a single overdimension, two or more commodities may be transported as one load as long as the permit so indicates, legal axle loadings are not exceeded, and no dimensions of width, height, or length are created or made greater by the additional commodities.

Permits for oversize or overweight movements over the Mackinac Bridge must be arranged through the Mackinac Bridge Authority 24 hours prior to the movement.

The special permit must be carried in the vehicle to which it refers.

Requests for permits will not be approved during the spring weight restriction period when the movement exceeds 14 feet in width or when the movement is overweight. Neither will overweight permits be issued for loads consisting of more than one object, nor for any combination where the wheel load exceeds 700 pounds per inch of tire width (except empty self-propelled earth moving equipment, provided the wheel load does not exceed 850 pounds per inch of tire tread width).

(b) Fees

Single trip permits

Load Condition	Fee
Oversize, legal weight	\$15
Oversize and/or over legal axle weight	\$50

Annual permits

Annual permit fees are:

- Overweight, \$100;
- Overlength, \$30;
- Overwidth and legal weight, \$30; and
- Overwidth and overweight, \$100.

Extended permits: base rate - year to year

Agricultural:	\$ 30.00	For each truck and each trailer if legal weight.
	\$100.00	For each truck and each trailer if hauling overweight equipment
	\$ 10.00	For each truck and each trailer if hauling to or from a farm only. The permit will be so noted.
Construction	\$100.00	For each truck, each trailer, and each piece of equipment which is over legal axle weight limits.
	\$ 30.00	For each truck, each trailer, and each piece of equipment if only legal axle weights. The permit will be so noted.
Mobile Home:	\$ 30.00	For each truck and each trailer.
Pipe/Pole:	\$ 30.00	For each truck and each trailer.
Milk:	\$100.00	Legal axle weights on seasonal roads during weight restrictions.

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Miscellaneous:	\$ 30.00 \$100.00	For each truck and each trailer, or one permit if on the same form. For each truck and each trailer, or one permit if on the same form, if the object is overweight.
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(c) Insurance Requirements

Any vehicle operating on the highways under a special permit must have insurance coverage in accordance with the laws of the State of Michigan.

Permittees are responsible for any damage to the highway, persons or property that may result from the oversize or overweight movement. The State of Michigan and the Department of Transportation shall be held harmless from all suits, claims, and damages of any kind arising from the use of highways under a special permit.

(d) Permitted Vehicle Limitations

There is no set maximum limit for overweight movements. Applications are considered on the basis of routes to be traveled, necessity, etc.

Single trip permits for the following items are limited to 16 feet in width, 15 feet in height, and 150 feet overall combination length:

- Construction equipment (bulldozers, mobile cranes, loaders, excavators, etc.);
- Boats;
- Prefabricated items such as structural steel, wood trusses, empty tanks, etc.;
- Farm equipment (implements loaded on a trailer requires a permit; permit is not required if equipment is being towed and can maintain posted speed); or
- Poles, pipe & similar type loads (overlength loads only).

Permit limits for annual, extended, and other permits are available below.

(e) Sign Requirements

OVERSIZE LOAD signs must be seven feet long and 18 inches high with 10 inch black block lettering on a yellow background. The words and letters are to be proportionately spaced on the sign.

Loads 14 feet 6 inches high and above require two signs.

Loads 10 feet wide and over require two signs.

(f) Flags and Lighting Requirements

Flags

Six red or orange warning flags measuring 18 inches square must be attached to all oversize or overweight movements. One flag must be displayed on each end of the front bumper of the towing vehicle and shall be supported on a short staff. A flag must also be displayed at each corner of the load or vehicle. If any portion of the load extends beyond the width at the corner flag, one flag must be displayed at the widest point on each side.

All overwidth, overheight, overlength, and overweight movements must display warning flags. All overweight movements must display warning flags.

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Lights

Two taillights, two turn signals, and two brake lights in operating condition are required on all oversize and overweight movements.

When flashing or rotating amber lights are required, they must be visible for a distance of at least 500 feet.

According to 49 CFR 393.11, motor vehicles transporting loads which extend more than four feet beyond the rear of the motor vehicle, or which have tailboards or tailgates extending more than four feet beyond the body, must have these projections marked as follows when the vehicle is operated during the hours when headlamps are required to be used:

- On each side of the projecting load, one red side marker lamp, visible from the side, located so as to indicate maximum overhang; and/or
- On the rear of the projecting load, two red lamps, visible from the rear, one at each side; and two red reflectors visible from the rear, one at each side, located so as to indicate maximum width.

(g) Escort/Flagperson Requirements

A rear escort is required on all movements exceeding 12 feet in width. An escort is required at both the front and rear on all movements exceeding 14 feet in width.

In addition, all overwidth vehicles planning to cross the Mackinac Bridge must arrange for an escort in advance, and must contact the Mackinac Bridge Authority 24 hours prior to crossing.

Loads over 14 feet 6 inches high must be preceded by an escort vehicle equipped with a sensing device. Loads over 15 feet high also require a rear escort.

One escort is required for overlength movements of 90 feet to 100 feet, two escorts required for movements over 100 feet in length.

(h) Escort Car/Company Requirements

An escort vehicle must be a passenger car or pickup truck with at least one flashing or rotating amber light displayed on top of the cab. Flashing or rotating lights must be visible for 500 feet.

There must also be displayed on the roof of the escort vehicle, one OVERSIZE LOAD sign five feet long by 12 inches high with eight-inch high black letters on yellow background.

(i) Travel Restrictions

Oversize and overweight permits are issued for daylight hours only, Monday through Friday (½ hour before sunrise and ½ hour after sunset). Permits will not be issued for movement on Saturdays, Sundays or holidays. In some instances, other time limitations may apply.

Permits are not valid for movement from 7 a.m. to 9 a.m. and from 3 p.m. to 6 p.m. in the following counties: Genesee, Ingham, Jackson, Kalamazoo, Kent, Macomb, Muskegon, Oakland, Saginaw, Washtenaw and Wayne.

The following provisions for seasonal highway restrictions pertain to all state highways:

1. When restricted loadings are in effect, the normal maximum axle weights allowable on rigid pavements must be reduced 25 percent, and the maximum wheel load may not exceed 525 pounds per inch width of tire.
2. When restricted loadings are in effect, the normal maximum axle weights allowable on flexible pavements shall be reduced 35 percent, and the maximum wheel load shall not exceed 450 pounds per inch width of tire.
3. Speed must be reduced to 35 miles per hour on frost restricted routes in periods of seasonal weight restrictions for every vehicle over 10,000 pounds GW.

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4. Building moving permits will not be approved for movement during the spring weight restrictions period.

Furthermore, the permitted vehicle must stop at all highway weigh stations for permit inspection.

Permitted vehicles shall maintain a distance of at least 2,000 feet apart from each other during movement.

Holiday restrictions

No movements will be permitted from noon on the day preceding a holiday until daylight of the first day following the holidays below:

New Year's Day

Thanksgiving Day

Labor Day

Independence Day

Memorial Day

Christmas Day

When a holiday occurs on a Friday or Monday, permits will be invalid for the period beginning at noon before the three-day weekend, and ending at daylight of the first day following the three-day weekend.

(j) Manufactured Housing Permits

A special permit to move a mobile home or building module on state highways is **not** required if dimensions do **not** exceed:

- 8 feet 6 inches in width;
- 45 feet in body length;
- 13 feet 6 inches in height, and
- 60 feet in overall length, including the towing vehicle.

A special permit will **not** be issued to move a mobile home or building module on state highways is required if the dimensions **exceed**:

- 16 feet in width (not including 6-inch eaves);
- 15 feet in height;
- 80 feet in actual body length; or
- 105 feet overall length, including the towing vehicle.

Five-day single trip permits may be issued if dimensions do not exceed 16 feet in width (not including eaves), 15 feet in height, 80 feet in actual body length, and 105 feet overall combination length.

Extended permits may be issued to dealers, manufacturers, and commercial transporters not to exceed 12 feet in width, 14 feet in height, 80 feet in actual body length, and 95 feet overall combination length.

The towing vehicle must be at least a 1 ½-ton truck with dual rear wheels.

On all movements up to 14 feet-wide mobile homes or modules, signs with the words OVERSIZE LOAD must be displayed. For 16-foot wide mobile or modular homes, signs must only read 16' WIDE LOAD. Signs must be durable, with black lettering on an interstate yellow background.

One sign must be placed on or within a suitable frame on the front bumper of the towing vehicle and one on the rear of the load. The rear sign must be at least seven feet above the highway surface.

The sign on the front bumper must be six feet by 16 inches in size with 12-inch lettering. The sign on the rear of the mobile home or module is to be eight feet by 18 inches in size with 16-inch lettering.

The movement of an oversize mobile home requires the display of six clean plain red flags at least 18 inches square. One flag must be displayed on each end of the front bumper of the towing vehicle, and one flag

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must be displayed on each corner of the mobile home or building module, placed so as to be clearly seen by approaching traffic.

The towing vehicle must operate with headlights turned on low beam while towing an oversize mobile home or module under special permit. For units exceeding 12 feet in width or 80 feet overall combination length, the towing vehicle must be equipped with at least two flashing or rotating amber lights on rear of the mobile home or module, and one flashing or rotating amber light on top of the towing vehicle.

Escorts are required as follows:

Load Conditions	Escort Requirements
Movements exceeding 12 ft up to 14 ft in width	One rear escort
Movements exceeding 14 ft in width	Front and rear escorts
Movements with width exceeding 12 ft and height exceeding 14 ft 6 in.	Front and rear escorts, with the front escort equipped with a fixed measuring device set at a height to ensure load clearance

The maximum speed limit for movement of oversize mobile homes by special permit shall not exceed the following:

Dimensions	Speed Limit
Movements less than 12 ft in width or 80 ft in overall length	<ul style="list-style-type: none"> • 45 mph on highways with less than 4 lanes; and • 50 mph on highways with 4 or more lanes.
Movements less than 12 ft in width or 95 ft in overall length	45 mph
Movements greater than 12 ft in width	<ul style="list-style-type: none"> • 35 mph on highways with less than 4 lanes; and • 45 mph on highways with 4 or more lanes.

(k) Annual, Extended And/Or Other Permits

Annual permits

Michigan will issue annual permits for overdimensional loads as follows:

- *Overweight:* A one-year overweight permit is available for a fee of \$100. The maximum weight allowed with the permit is 24,000 pounds per axle, not to exceed 150,000 pounds. There are certain travel restrictions, and signs and flags are required.
- *Overlength:* A one-year overlength permit is available for a fee of \$30. The maximum length allowed with the permit is 85 feet, or 150 feet if pipe and pole with utility ladder. There are certain travel restrictions, and signs and flags are required.
- *Overwidth:* A one-year overwidth permit is available for a fee of \$30 legal weight and \$100 overweight. The maximum width allowed with the permit is 12 feet 6 inches. There are certain travel restrictions, and signs and flags are required.

Extended permits

Extended permits for specific loads moved frequently on state highways may qualify for renewable, extended permits for loads and vehicles owned and operated by the applicant or under a valid lease/rental agreement. Extended permits are not available for for-hire carriers.

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The following limitations apply to extended permits:

Items	Extended Permits
Construction equipment (bulldozers, cranes, loaders, excavators, etc.)	Limited to a maximum of: <ul style="list-style-type: none"> • 12 ft 6 in. width; • 14 ft height; • 85 ft overall combination length; and • 24,000 pounds per axle; and • 150,000 pounds gross vehicle weight.
Farm equipment (when loaded on a trailer, requires a permit; permit not required if equipment is being driven or towed and can maintain posted speed)	Limited to a maximum of: <ul style="list-style-type: none"> • 15 ft 6 in. width; • 14 ft height; and • 80 ft overall combination length.
Poles, pipes, and similar type loads (overlength loads only)	Limited to a maximum of: <ul style="list-style-type: none"> • 8 ft width; • 13 ft 6 in. height; • 85 ft overall combination length; and • Legal axle weights. Public utility companies and organizations doing work for public utility companies may move with an overall length of 150 ft within the service area of the utility company.
<ul style="list-style-type: none"> • Boats; or • Prefabricated items, structural steel, trusses, empty tanks, etc.) 	Limited to a maximum of: <ul style="list-style-type: none"> • 12 ft 6 in. width; • 14 ft height; and • 85 ft overall combination length.
Logging trailer	Limited to a maximum of: <ul style="list-style-type: none"> • 9 ft width; • 13 ft 6 in. height; • 75 ft trailer length; and • 42 ft truck length. No overweight permits; limited to 11 axles.
Pavement marking	Limited to a maximum of: <ul style="list-style-type: none"> • 8 ft width; • 13 ft 6 in. height; and • 40 ft overall combination length. Permits will be limited to an overload of 20 percent not to exceed 700 lb per inch of tire tread width.
Raw forest products	Limited to a maximum of: <ul style="list-style-type: none"> • 8 ft 6 in. width; • 13 ft 6 in. height; and • 85 ft overall combination length. Gross weight of 90,000 lb with specific axle weight limitations. Travel on specific routes between Michigan and Wisconsin only.

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Items	Extended Permits
Rubbish	Limited to a maximum of: <ul style="list-style-type: none"> • 8 ft width; • 13 ft 6 in. height; and • 40 ft overall combination length. Permits will be limited to an overload of 20 percent not to exceed 700 lb per inch of tire tread width; not valid for Interstates.
Snow	Limited to a maximum of: <ul style="list-style-type: none"> • 11 ft width; • 13 ft 6 in. height; and • 40 ft overall combination length. Cannot be overweight; not issued for belly blades; not issued for movement on Interstates.
Wreckers	Limited to a maximum of: <ul style="list-style-type: none"> • 12 ft 6 in. width; and • 14 ft height. Permits are limited to 700 lb per inch of tire tread width. Travel from the original point of disablement is limited.
Milk	Limited to a maximum of: <ul style="list-style-type: none"> • 8 ft width; • 13 ft 6 in. height; and • 59 ft overall combination length. Overweight only issued during spring weight restrictions on rigid and flexible pavements.

Building movements

Building movements (other than sectional, pre-fab or pre-built buildings) are defined as any building move exceeding 14 feet in width. A field investigation is required on all building move applications and will include the following: pavement width on route of travel, maintenance of traffic during movement, alternate routes, possible reduction in building size, inspection of moving equipment including auxiliary power unit, contacting utility companies, and attachments (including chimneys, eaves, etc.) have been removed.

Permits will not be issued for more than 25 miles on highways under the jurisdiction of the Department of Transportation.

(I) Sealed Containerized Cargo Permits

Michigan does not have special requirements concerned sealed containerized cargo permits.

III. SUPER LOADS

Loads 16 feet wide, 15 feet high, 150 feet long and/or 200,000 pounds are considered super loads.

The following information must be submitted in writing by the shipper:

- Description of load
- Number of pieces
- Load dimensions and overall dimensions
- Statement certifying that the route has been surveyed (if over height)

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- Weight of object
- Origin and destination along with proposed routes
- Dates of move
- Reason the load cannot be reduced
- Name of transporter if known.

Drawings are required if more than 11 axles.

Allow up to 10 days for approval.

IV. AGENCY REFERENCES

(a) Sizes and Weights

Regulatory agency

Michigan Department of Transportation, Transport Permits Unit
(517) 636-6915
(800) 787-8960
www.michigan.gov/mdot/

Permit agency

Same as above.

Michigan Transport Routing and Internet Permitting (MiTRIP), http://www.michigan.gov/mdot/0,1607,7-151-9625_56949_56950-253714--,00.html

Super loads

Michigan Department of Transportation, Transport Permits Unit
(517) 636-6915
Hours: 7:30 a.m.-4:30 p.m. (Eastern Time)
www.michigan.gov/mdot/

Enforcement agency

Michigan State Police, Traffic Safety Division
(517) 241-0506
www.michigan.gov/msp

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Reserved

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I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Minnesota must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Width:	102 in	102 in
Height:	13 ft 6 in	13 ft 6 in
Length:		
Straight Trucks	45 ft	45 ft
Truck-trailer	75 ft	75 ft
Tractor-semitrailers	N/S	75 ft
Tractor-twin-trailers	N/S	Allowed only on state-designated routes
Semitrailer	53 ft*	53 ft*
Trailers of twin-trailer combinations	28 ft 6 in	28 ft 6 in. on state-designated routes only
Auto-transporters	N/S	75 ft (including 3-ft front and 4-ft rear overhang)
Mobile Cranes	48 ft	48 ft
Drawbar length	15 ft	15 ft
Special limitations or restrictions	*Semitrailer may not exceed 53 ft; however, on any trailer over 48 ft, the distance from the kingpin to the centerline of the rear-axle group of the semitrailer may not exceed 43 ft. All vehicles are measured individually, even when in combinations, and all maximum length measurements for a vehicle or combination include front and rear overhang.	
Weight:*	On Interstate System Highways and all paved roads	On all unpaved roads
Single axle	20,000 lb	18,000 lb
Tandem axle	34,000 lb	34,000 lb
Tridem axle	42,000 lb	42,000 lb
Steering axle	20,000 lb	18,000 lb
Load per inch width of tire	500 lb/in**	500 lb/in**
Gross wheel weight	10,000 lb	9,000 lb
Gross vehicle weight	80,000 lb	80,000 lb***

*The maximum gross weight and the axle weight limits for any vehicle equipped with idle reduction technology or emissions-reduction technology may be increased by the weigh necessary to compensate for the idle reduction technology or emissions-reduction technology, not to exceed 550 lb.

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**No axle may exceed 500 lb/in. of tire width nor the rating, except the steering axles which may not exceed 600 lb/in. of tire width nor rating.

***80,000 lb on all trunk highways and local paved routes for any vehicle or combination of vehicles with 5 axles with proper spacing, tire, and axle weights.

Seasonal Weight Restrictions

Up to 10% more weight is allowed during winter freeze, with no permit required except when traveling on Interstates. Vehicles must be registered for sufficient weight to cover GVW. The winter freeze period varies each year depending on weather (information available at <http://www.mrr.dot.state.mn.us> or at (800) 723-6543).

Seasonal weight restrictions can be found at http://www.mrr.dot.state.mn.us/research/seasonal_load_limits/sllindex.asp.

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Operators of vehicles that exceed the legal size and weight limits must obtain a permit from the Department of Transportation prior to making any movement in the State of Minnesota. A permit is not required for over-length telephone, utility poles, piling, or pole length pulpwood.

Permits will not be issued for oversize or overweight movements that can be reduced or loaded within the legal size and weight limits. Permits are not available to allow use of overlegal size truck and trailer for the convenience of the truck owner. The load must warrant an overwidth or overlength trailer. A separate permit is needed for return trip empty.

Oversize and overweight permits may be obtained in person, by mail, or fax. Web application is available if the applicant has set up a registered credit card with full web access.

Permits will apply to Minnesota, state, U.S., and Interstate routes. For use of roads and streets other than trunk highways, the applicant must contact the road or street authority concerned. Movements may not be initiated until all necessary road permits have been obtained. The Minnesota oversize/overweight office website provides links to local government road authorities listings.

Annual oversize only or overweight and oversize transportation permits are primarily available for hauling farm machinery, mobile homes, specific mobile cranes, construction machinery and supplies, or for commercial boat hauling.

The special permit must be carried in the vehicle to which it was issued.

“Side boards” or “out riggers” may be used on semitrailers or trailers to steady wide loads.

Axles may be added which make the trailer or combination over legal length, but will only be allowed when the load warrants extra axle(s). The same is true for over legal width vehicles.

The towing vehicle of any combination of vehicles must have adequate power and weight to safely control the towed vehicle and load. The towing vehicle must be properly licensed and also must have a base of not less than 100 inches. Vehicles or combinations of vehicles used to transport overlegal dimension and/or overlegal weight loads must also be equipped with pneumatic tires.

A vehicle or combination of vehicles must not exceed the legal dimensions when unloaded. All extendable units must be retracted to legal dimensions when unloaded. Double bottom or twin trailer combinations may not be used for permit load hauling.

Permittees must comply with all regulations posted on any bridge, underpass, or other structure that he/she may encounter in the operation of the oversize or overweight movement.

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(b) Fees

Type Permit	Description	Fee
1) Single Trip	Oversize only	\$15.00
4) Job	Oversize Only	\$36.00

Annual permit fees range from \$60 to \$120, depending on the type of vehicle operating under the permit.

Overweight Axle Group Cost Factors

For vehicles exceeding axle weight limits, an additional cost is added to the permit fee. The additional cost is equal to the product of the distance traveled times the sum of the overweight axle group cost factors shown in the following chart:

Weight (pounds) exceeding weight limitations on axles	Cost Per Mile For Each Group Of:		
	Two consecutive axles spaced within 8 feet or less	Three consecutive axles spaced within 9 feet or less	Four consecutive axles spaced within 14 feet or less
0-2,000	0.12	0.05	0.04
2,001-4,000	0.14	0.06	0.05
4,001-6,000	0.18	0.07	0.06
6,001-8,000	0.21	0.09	0.07
8,001-10,000	0.26	0.10	0.08
10,001-12,000	0.30	0.12	0.09
12,001-14,000	Not permitted	0.14	0.11
14,001-16,000	Not permitted	0.17	0.12
16,001-18,000	Not permitted	0.19	0.15
18,001-20,000	Not permitted	Not permitted	0.16
20,001-22,000	Not permitted	Not permitted	0.20

As an alternative to the axle group cost factor, an annual permit may be issued for overweight or oversize and overweight mobile cranes, construction equipment, machinery and supplies, implements of husbandry, and commercial boat hauling. The fees for the permit are as follows:

Total gross weight (pounds)	Annual fee
90,000 or less	\$200.00
90,001 - 100,000	300.00
100,001 - 110,000	400.00
110,001 - 120,000	500.00
120,001 - 130,000	600.00
130,001 - 140,000	700.00
140,001 - 145,000	800.00
More than 145,000	Fee is determined by the Overweight Axle Group Cost Factors table.

Moves must be logged before the move starts. Trip log route approval can be accomplished through the Internet 24/7/365, by telephone, and in some cases by "self-routing."

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(c) Insurance Requirements

The permittee is responsible for all liability for personal injury, property damage or time lost which may occur as a result of the oversize or overweight movement. Furthermore, the permittee shall hold the State of Minnesota, its department officers, and employees harmless from all suits, actions, or claims that may result from the movement.

The permittee shall repair or have repaired at his/her expense, any damage to highways or structures that may occur in connection with operations under the permit. Any repairs made must meet the satisfaction of the Commissioner of Transportation.

Generally for-hire carriers must file \$100,000/300,000 public liability insurance as well as \$50,000 property-damage insurance.

(d) Permitted Vehicle Limitations

The maximum overall width that may be moved under a job, or annual permit is 14 feet, 6 inches over 12-foot lanes (24-foot roadway), or 12 feet 6 inches over 11-foot lanes (22-foot roadway). Movements shall not encroach on the opposite lane or over the centerline. With annual, job, or single trip permits, all travel on multi-lane highways must be in the right-hand lane, whenever there is more overhang to the right side of the vehicle, than to the left, i.e. trusses that have 5 foot right and no left overhang.

The maximum overall height which may be moved under an oversize only or overweight and annual oversize permit is 14 feet, provided the overhead clearance is adequate. Over 14 feet loaded height is allowed on single trip permit with route survey required if over 15 feet 6 inches. Drop deck trailers are required for overheight.

The maximum overall length that may be moved under job, annual oversize only or overweight and oversize permit is as follows:

1. *Single Vehicle* — 60 feet, including overhang, as well as under single trip permit.
2. *Combination Vehicle* — 85 feet, including overhang. (A job permit may be issued for structural members in excess of 85 feet, provided the overhang shall not exceed 30 feet in the front or rear). Generally, single trip permit with single pivot point is limited to 110 feet; single trip permit with two pivot points is limited to 125 feet; single trip permit with three pivot points is limited to 135 feet.

When the load (such as reinforcing bars or other material, which cannot support itself) requires support of its entire length, a stretch or expandable semitrailer may be used, but if the overall wheelbase exceeds 100 feet, or the overall length exceeds 110 feet, the load and route will be reviewed closely with extra escorts and special hours required.

Generally, the maximum gross weight under permit is:

- 92,000 pounds (107,000 pounds on single trip) for 5-axle vehicles;
- 112,000 pounds (121,000 pounds on single trip) for 6-axle vehicles;
- 132,000 pounds for 7-axle tridem/tridem vehicles (135,000 pounds on single trip); and
- 144,000 pounds for 8-axle tridem/quad vehicles (147,000 pounds on single trip).

Permits will not be issued for vehicles and/or loads that exceed the legal axle weights for vehicle combinations with less than five axles. Maximum gross vehicle weight is based on 12,000 pounds on steer, but can be increased, i.e. up 1,000 pounds with 11:00 series tire on steer axle.

The maximum gross axle weights that may be allowed under job or seasonal permits are as follows:

1. *Single Axle* — 20,000 pounds truck-truck, tractor, trailer or semitrailer.
2. *Tandem Axle* — 20,000 pounds per axle. (weight in excess of 20,000 pounds per axle up to 23,000 pounds may be allowed on a Single Trip Permit)

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3. Tridem Axle — 20,000 pounds per axle.
4. Quad Axle — 18,000 pounds per axle.

The above axle weights will be permitted provided that no damage will occur to road surfaces and structures.

Overweight loads on 3 or 4-axle combinations of vehicles and on 2-, 3-, or 4-axle trucks will not be permitted when the use of a vehicle or combination of vehicles having more axles would be within the legal limit.

Those 2- or 3-axle self-propelled scrapers that cannot be completely loaded on a truck tractor-semitrailer combination or are too heavy to move under their own power, may be moved by “pickaback”/“piggyback” method if within the permitted axle weights. “Pickaback”/“Piggyback” loading means driving the tractor of a 3-axle self-propelled scraper or the drive axle of a 2-axle self-propelled scraper onto a semitrailer or a truck-tractor semitrailer combination, and trailing the scraper axle behind the semitrailer. The trailing scraper axle shall not exceed 30,000 pounds and then only after special consideration.

Double wide trailer movements may be used for transporting extremely heavy loads that are nondivisible. This method consists of two truck-tractor semitrailer combinations operating side by side with the load equally distributed on both identical semitrailer combinations.

(e) Sign Requirements

OVERSIZE LOAD signs must measure 18 inches high and 84 inches long. The lettering must be 10 inches high and must be black with 1 5/8 inch brushstroke, on a yellow background. The sign panels must be lighted when used between the hours of sunset to sunrise, and must be visible at a distance of at least 500 feet.

WIDE LOAD and LONG LOAD signs must measure 12 inches by 60 inches on a yellow board with eight-inch series C black letters with a 1 1/8 inch brush stroke.

The OVERSIZE LOAD sign must be displayed on the front of the towing vehicle and on the rear of the trailing vehicle or load. The sign must be readable at a distance of at least 500 feet.

OVERSIZE LOAD signs must be used with all vehicles or loads exceeding 12 feet in width.

OVERSIZE LOAD signs are required on all vehicles or loads exceeding 95 feet in length.

(f) Flags and Lighting Requirements

Flags

Warning flags must be bright in red, orange, or yellow and must measure at least 18 inches square. The flags must be mounted on brackets or standards, or must otherwise be attached at the widest part of the load so that they are clearly visible to approaching or overtaking traffic.

Any projection extending more than three feet ahead of the front bumper must display an amber flag. If the projection extends more than four feet to the rear of the bed of a vehicle, it must display a red warning flag.

Whenever long loads, beams, trusses, poles, or pipes are transported with pole dolly or steering dolly, warning flags must be attached to the underside of the load, spaced not more than 20 feet apart.

Movements exceeding nine feet in width are required to display warning flags at widest points and corners of loads.

Movements exceeding 75 feet in length are required to display warning flags every 20 feet along the outside edge of the load or trailer units.

Lights

Amber or yellow warning lights may be used in lieu of or in conjunction with flags for nighttime movements. These lights are to be used in addition to any warning lights required for oversize loads.

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Warning lights may be:

- A pair of lamps spaced as far apart as practical, that flash simultaneously;
- A single or pair of strobe lights; or
- A single or pair of rotating lights.

Warning light(s) must be operated by battery or another electric power source having a minimum four-inch diameter lens, or having a minimum lens surface area of 12.5 square inches.

The lights must flash at a rate of 60 to 90 flashes per minute and must be visible from a distance of 500 feet under normal atmospheric conditions either day or night.

When lighted lamps are required for nighttime movement, the lamp must be a red light or red lantern visible from 500 feet and mounted on the extreme rear of the load overhang.

Flashing lights must be used with all vehicles or loads exceeding 12 feet in width.

Whenever the movement restricts or impairs the visibility of stoplights or the turn signals of the transporting vehicle, a "light bar" must be mounted on the rear of the load, visible to overtaking traffic. The movement must display operative taillights, stoplights, and turn signals that are controlled by the driver of the towing vehicle.

(g) Escort/Flagperson Requirements

If escort services are required for the movement of an overdimensional load, the services may only be provided by a certified licensed peace officer or a certified pilot/escort driver.

Escorts are required as follows:

Load Condition	Escort Requirements
Loads exceeds 14 feet 6 inches in width	A minimum of one rear escort is required on divided highways
Loads exceeding 14 feet 6 inches in width	A minimum lead and rear escort is required on non-divided two-lane roadways
Loads exceeding 16 feet in width must have a minimum of a rear civilian escort on divided roadways. Loads exceeding 16 feet in width must have a minimum of a lead peace officer escort and a rear civilian escort on non-divided two-lane roadways.	<ul style="list-style-type: none">• A minimum of a rear civilian escort on divided roadways; and• A minimum of a lead peace officer escort and a rear civilian escort on non-divided two-lane roadways.
Overall length of the movement exceeds 95 feet	One escort is required
Loads exceeding 110 feet in length	Two escorts are required

With single pivot point at fifth wheel/kingpin, two escorts could be required on a shorter length on certain routes.

In some cases, one or more escort vehicles may be required to warn and protect approaching and/or overtaking traffic. If required, the escort vehicle(s) must precede the movement by no less than 300 feet nor more than 700 feet, or must follow the movement at a safe distance.

On narrow pavement or if out-to-out tire width of axle(s) exceeds eight feet, escort requirements could begin at narrower overall width.

It is the prime responsibility of the permittee to determine the need for peace officer escorts. However, if the permit issuing authority requires a peace officer, licensed protective agent (LPA), or civilian escorts, the permittee will be responsible for all escort fees. Peace officer escort(s) must be an off-duty peace officer in a police vehicle within the officer's jurisdiction, or an LPA. An LPA is allowed to direct traffic but may not use red lights.

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Flagpersons

A standing flagperson may be required for overlength movements at intersections.

There are no flagperson or escort requirements for overweight movements, although they can be required when crossing certain bridges.

During the movement of an overdimensional load, a certified pilot/escort driver, in the performance of the flagging duties, may control and direct traffic to stop, slow, or proceed in any situation when deemed necessary to protect the motoring public from the hazards associated with the movement of the overdimensional load. The pilot/escort driver, acting as a flagger, may aid the overdimensional load in the safe movement along the highway designated on the overdimensional load permit and must:

- Assume the proper flagger position outside the pilot/escort vehicle and, as a minimum standard, have in use the necessary safety equipment as defined in section 6E.1 of the Manual of Uniform Traffic Control Devices (MUTCD);
- Use STOP or SLOW paddles or a 24-inch red/orange square flag to indicate emergency situations, and other equipment as described in section 6E.1 of the MUTCD; and
- Comply with the flagging procedures and requirements in the MUTCD and the Minnesota Department of Transportation's Minnesota Flagging Handbook, available at <http://tinyurl.com/MNflagging> (see Part 6).

(h) Escort Car/Company Requirements

Pilot/Escort vehicles must:

- Be in sound and safe operating condition;
- Be properly licensed and registered based on the state of registration;
- Be a passenger automobile, light duty van, or a two-axle pickup or a two-axle single unit truck; and
- Have a minimum wheelbase of 100 inches.

Vehicles may not carry passengers under the age of 16 or carry loads of cargo that reduce the driver's visibility. Vehicles may not tow a trailer while escorting overdimensional loads unless the party involved is a building mover licensed by the Commissioner of Transportation and the building being moved is not a temporary structure or manufactured housing.

Vehicles must contain a two-way simplex communication device with a transmission and receiving range of at least one-half mile. The communication device must be compatible with accompanying pilot/escort vehicles, overdimensional load drivers, law enforcement officers (if involved), and utility company vehicles (if involved).

Vehicles must display identification showing a company name, a federal Department of Transportation (USDOT) identification, or a city, state, and contact number, which must be legible from a distance of 50 feet.

Vehicles must be equipped with the following items:

- A minimum of one 18-to-24-inch STOP/SLOW paddle, reflectorized for nighttime flagging operations (a 24-inch orange/red flag on a 36-inch staff may be used in an emergency flagging operation only);
- A Class 2 safety vest approved by the American National Standards Institute for use during any time the pilot/escort driver is outside the pilot/escort vehicle on any roadway as per current Manual of Uniform Traffic Control Devices (MUTCD) standards;
- One flashlight with a lens width of 1.5 inches with extra batteries or charger (emergency self-charging flashlights do not meet this requirement);
- One six-inch-long orange/red cone to fit the flashlight (traffic wands are an acceptable alternative to the orange/red cone);

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- Nine reflective triangles or reflectorized 18-inch orange traffic cones with a single reflective band of six inches in height;
- Eight fuses, flares, red glow sticks, or USDOT-approved alternative red-light-producing devices;
- Three standard 18-inch orange traffic cones;
- One yellow, vinyl, or mesh OVERSIZE LOAD sign, seven feet wide by 18 inches tall with lettering at least 10 inches high with a 1.41-inch brush stroke;
- A first aid kit clearly marked and labeled;
- A height pole, if required as a condition of the overdimensional load permit, which must be nonconductive, nondestructive, flexible, and readily breakable and installed and in use by the front pilot car at all times when an overdimensional load exceeds 15 feet 6 inches in height;
- One five-pound capacity serviceable fire extinguisher with an ABC rating; and
- One handheld simplex two-way compatible communication device with a minimum transmission and receiving range of one-half mile (the device must be used in a flagging situation where the pilot/escort driver is outside the pilot/escort vehicle).

A pilot/escort car driver must possess a current certificate of insurance or endorsement that indicates that the driver, or the driver's employer, has in full force and effect insurance coverage for bodily injury and property damage resulting from the operation of the pilot/escort vehicle, an act or omission by the operator of the pilot/escort vehicle, or both. The insurance or endorsement must be at least \$1,000,000 combined single limit or \$1,000,000 per occurrence of commercial liability coverage, as applicable, and must be maintained at all times during the term of the certification.

The insurance certificate must indicate on the face of the document that the policy is for the operation of pilot/escort vehicles and for pilot/escort duties and responsibilities.

Pilot/escort vehicles must have a minimum amount of \$1,000,000 liability insurance. This is not a cumulative amount.

Escort certification

The pilot/escort operator certification requirements are effective January 2, 2014.

Drivers domiciled in Minnesota must complete a pilot/escort certification course accepted, approved, or authorized by the Minnesota Department of Public Safety (the Minnesota Department of Public Safety has partnered with Minnesota State Colleges and Universities to develop training curriculum). At the time of the course, pilot/escort drivers must provide a certified and current (within 30 days) driver's license record to the Minnesota-authorized training program.

Initial certification is valid for four years from the date of issue. One additional four-year certification may be obtained through a mail-in or online re-certification process provided by a Minnesota-authorized training program. Pilot/escort drivers must attend a full certification course every eight years.

Pilot/escort drivers domiciled outside of Minnesota may operate as a certified pilot/escort driver with another state's certification credential, provided the course meets the minimum requirements outlined in the *Pilot/Escort Training Manual - Best Practices Guidelines* as endorsed by the Specialized Carriers and Rigging Association, Federal Highway Administration, in cooperation with the Commercial Vehicle Safety Alliance, available at <http://tinyurl.com/pilotmanual>.

Certified pilot/escort drivers and certified licensed peace officers operating a pilot or escort vehicle must meet the following requirements:

- Be a minimum of 18 years of age;
- Possess a valid operator's license for the type of vehicle being operated;
- Carry his/her pilot/escort certification card at all times while in pilot/escort operations;

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- When operating a vehicle in excess of 10,000 pounds gross vehicle weight or gross vehicle weight rating, comply with the regulations of the Federal Motor Carrier Safety Administration (FMCSA) in Code of Federal Regulations, Title 49, Parts 382, 383, 390, 391, 392, 393, 394, 395, 396, and 397; and
- If operating as a front or rear pilot car driver, do not perform as a tillerman/steerman for the load being escorted (a tillerman/steerman must not be in the pilot/escort vehicle when a steering activity is being performed).

Pilot/Escort vehicle operators have specific duties and responsibilities when escorting oversized vehicles and loads. These duties and responsibilities can be found in Minnesota Administrative Rule 7455.1200, Certified Driver Duties, available at <http://tinyurl.com/MNescortduties>. Minnesota also adopts by reference the *Pilot Car Escort Best Practices Guidelines Manual*, available at <http://tinyurl.com/pilotmanual>.

Pilot/Escort vehicle operators are also responsible for attending pre-trip coordination meetings with the oversized vehicle drivers, law enforcement (if involved), and utility company representatives (if involved). Specific requirements for the pre-trip meetings can be found in Minnesota Administrative Rule 7455.1300, Pre-trip Coordination Meeting, available at <http://tinyurl.com/MNescortmeeting>.

Escort car signs, flags, and lights

A pilot/escort vehicle must display an OVERSIZE LOAD sign mounted on the top of the vehicle, clearly readable and legible at all times of operation. This sign must be displayed so that it is visible to both overtaking and oncoming traffic at all times during the pilot/escort operation. Bumper-mounted signs only are prohibited.

The sign must be a rigid mount and be a minimum of five feet in width, have 10 inches of vertical visible surface space, and display black letters that are eight inches in height and have a one-inch brush stroke on a solid yellow surface (solid is defined as when being viewed from the front or rear at a 90-degree angle to the sign, no light can transmit through the solid surface).

Red/orange 18-inch flags must be mounted in line with the OVERSIZE LOAD sign and mounted at approximately a 45-degree angle toward the sides of the pilot/escort vehicle. A sign, light, or flag may not extend more than six inches beyond the widest part of the body of the pilot/escort vehicle.

Signs and flags must be removed or covered when pilot/escorts are not providing services.

If a route survey is being performed by the pilot/escort, the OVERSIZE LOAD sign must be removed or covered. Route surveys may not be performed while escorting an oversized load.

The pilot/escort vehicle, in addition to any other equipment required by the traffic laws, must be equipped with at least one flashing yellow or amber light. These lights must be mounted on the top of the pilot/escort vehicle and visible for 360 degrees for all traffic. Two types of approved lighting are described as follows:

- Two AAMVA/SAE/USDOT-approved yellow or amber, flashing or oscillating, strobe lights must be used with one mounted on each side of the top-mounted sign. These lights must be visible for 360 degrees, illuminated at all times during operation, and visible from a minimum distance of 500 feet under normal atmospheric conditions.
- An AAMVA/SAE/USDOT-approved yellow or amber, flashing or oscillating, strobe beacon light bar must be used, mounted on top of the pilot/escort vehicle. The light bar must have a minimum of two lights within the housing of the light bar. The light bar must be unobstructed and visible for 360 degrees.

AAMVA/SAE/USDOT refers to the American Association of Motor Vehicle Administrators, the Society of Automotive Engineers, and the United States Department of Transportation.

Incandescent, strobe, or diode (LED) lights may be used if they meet the criteria specified above.

VEHICLE SIZES & WEIGHTS MANUAL

(i) Travel Restrictions

Oversize and overweight movements are limited to hours of 2 a.m. to 10 p.m. daily except as noted below. At night load and vehicle must be outlined in lights, plus lead and rear escorts are required when over 10 feet wide or 85 feet long.

Oversize and overweight movement will not be allowed within the Twin City metropolitan area of Minneapolis-St. Paul during the rush hours of 6 to 8:30 a.m. and 3:30 to 6 p.m., nor in the Duluth area between 7 to 8:30 a.m. and 4 to 5:30 p.m.

No oversize or overweight movement will be allowed during adverse road or weather conditions. Movements of mobile homes, modulars, or similar loads will be prohibited when the wind velocity exceeds 25 mph.

A permitted load not exceeding loaded dimensions of 9 feet in width, 14 feet in height, and/or 75 feet in length for a combination of two vehicles may be authorized to travel 24 hours per day, seven days per week, (including holiday times) on surfaced roadways and bridges of not less than 22 feet excluding shoulders.

Special restrictions may also be enforced on other special days such as the opening of fishing season, hunting season or local celebrations.

Public roadways may be posted less than normal legal anytime during the year. Seasonal load restrictions are automatically in effect on unpaved local roads at five tons on one axle at the same time MN/DOT has this in effect each year. Seasonal load restriction dates vary each year. They generally begin in early March and end in mid-May. They have started the later half of February and ended in late May.

Vehicles will not be permitted on any state highway during the period of spring load restrictions if the combination exceeds the posted axle load limit, or if the vehicle or load exceeds 16 feet in width on eight-foot wide axles.

Seasonal load limit (SLL) website is at http://www.mrr.dot.state.mn.us/research/seasonal_load_limits/sllindex.asp. Subscribe to a free automatic SLL e-mail notification system at that website. SLL information can also be found by calling (800) 723-6543.

No permits are issued to exceed legal axle group limitations during those times and zones where seasonal load restrictions are in effect. The only exceptions to the "frost law" would be to allow overweight when an emergency involving the protection of life or property occurred which could affect a large part of the population. In those cases, the emergency would be reviewed, the machine stripped, and a rig with additional axles would be required.

Holidays

No movement is allowed on the following legal holidays unless otherwise specified on the permit:

New Year's Day	Labor Day
Memorial Day	Thanksgiving Day
Independence Day	Christmas Day

No movement will be permitted from 2 p.m. on the day preceding a holiday or on the day preceding a holiday weekend until 2 a.m. the day following the holiday or holiday weekend, unless specifically stated on the permit.

Beginning with the Memorial Day weekend through the Labor Day Weekend, unless specifically stated on the permit, travel is prohibited on Fridays and Sundays after 2 p.m. due to high volume tourist travel.

(j) Manufactured Housing Permits

Moving manufactured housing on single trip permits is limited to 16 feet wide.

VEHICLE SIZES & WEIGHTS MANUAL

Movements of mobile homes, modulars, or similar loads will be prohibited when the wind velocity exceeds 25 mph.

(k) Annual, Extended, And/Or Other Permits

Annual permits

\$60 for annual permits issued for up to 12 consecutive months. Annual permits may be issued for:

- Motor vehicles used to alleviate a temporary crisis adversely affecting the safety or well-being of the public;
- Motor vehicles which travel on interstate highways and carry seasonal loads;
- Overweight motor vehicles hauling sugar beets, carrots, and potatoes during the harvest season;
- Special pulpwood vehicles;
- Motor vehicles bearing snowplow blades up to 10 feet in width;
- Noncommercial transportation of a boat by the owner or user of the boat;
- Motor vehicles carrying bales of agricultural products; and
- Special milk hauling vehicles.

\$85 for an annual permit issued for up to 12 months, for refuse-compactor vehicles that carry a gross weight of no more than 22,000 pounds on single rear axle, 38,000 pounds on a tandem rear axle, or 46,000 pounds on a tridem rear axle. A permit issued for up to 46,000 pounds on a tridem rear axle must limit the gross vehicle weight to no more than 62,000 pounds.

\$120 for an oversize annual permit to be issued for a period not to exceed 12 consecutive months. Annual permits may be issued for:

- Mobile cranes;
- Construction equipment, machinery, and supplies;
- Manufactured homes and manufactured storage buildings;
- Implements of husbandry;
- Double-deck buses;
- Commercial boat hauling;
- Three-vehicle combinations consisting of two empty, newly manufactured trailers for cargo, horses, or livestock, not to exceed 28 ½ feet per trailer; provided, however, the permit allows the vehicles to be moved from a trailer manufacturer to a trailer dealer only while operating on twin-trailer routes; and
- Vehicles operating on that portion of marked Trunk Highway 36 (Trunk Highway 36 from the intersection with marked Trunk Highway 95 and Washington County State-Aid Highway 23 in Stillwater, to the Stillwater lift bridge, located on marked Trunk Highway 36 over the St. Croix River in Stillwater).

(l) Sealed Containerized Cargo Permits

Sealed intermodal container permits allow the transport of sealed intermodal containers containing raw and unprocessed agricultural products that are in international movement up to 90,000 pounds gross vehicle weight (GVW) (99,000 pounds GVW during winter weight increase season) on six or more axles. The permitted vehicles are allowed to travel on the Interstate.

The permit fee is \$300.

VEHICLE SIZES & WEIGHTS MANUAL

III. SUPER LOADS

A super load in Minnesota is any load that exceeds 16 feet high, 15 feet 6 inches wide, 130 feet long, or 140,000 pounds.

Loads over 15 feet 6 inches high require a route survey.

Loads of 140,000 pounds or more must submit drawings including axle weights and spacings. These drawings must show which axles caster and must show all pivot points.

Allow up to five working days for processing.

IV. AGENCY REFERENCES

(a) Regulatory Agency

Minnesota Department of Transportation
Transportation Bldg., Rm. 153, MS 420
395 John Ireland Blvd.
St. Paul, MN 55155
(651) 296-6000

Oversize/overweight questions, e-mail to: ofcvpermits@dot.state.mn.us

(b) Permit Agency

Same as above

(c) Enforcement Agency

Department of Public Safety
State Patrol Division - Commercial Vehicle Enforcement
1110 Centre Pointe Curve, Ste. 410
Mendota Heights, MN 55120
(651) 405-6196

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Mississippi must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	All Highways
Width:	102 in
Height:	13 ft 6 in
Length:	
Straight Trucks	40 ft
Tractor-semitrailer combinations	No limit
Tractor-twin-trailer combinations	No limit
Semitrailer	53 ft
Trailers of twin-trailer combinations	30 ft
Weight:	
Single axle	20,000 lb
Tandem axle	24,000 lb (57,650-lb routes); 34,000 lb (80,000-lb routes)
Tridem axle	Based on Federal Bridge Formula
Load per inch width of tire	550 lb/in
Gross vehicle weight	80,000 lb
Tolerances	None on Interstates; 5% on tandem, 2% on gross vehicle weight on other roads.

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

The Mississippi Department of Transportation (MDOT) and local authorities may, upon application in writing and good cause being shown, issue a special permit authorizing the applicant to make a movement which exceeds the legal size and/or weight limitations. The following situations also require oversize permits:

- Rear overhangs of 15 feet or greater;
- Front projections greater than three feet;
- Vehicles with a total length exceeding 99 feet; or
- Trailers exceeding 53 feet in length.

Permits are generally intended for one-piece items; however, it is recognized that there are manufactured products that, when placed side-by-side, do not exceed legal width (such as concrete pipe, rolled hay, shipping pallets, etc.). Permits may be issued for the movement of such products up to a maximum width of 10 ½ feet.

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Special permits may be obtained by telephone, fax, letter, or in person. Single trip permits are valid for three consecutive days and blanket permits for continuous operation can be issued for periods up to 12 months.

The application for any such permit shall specifically describe the general operation and load to be moved, and the particular highways for which the permit to operate is requested, and whether such permit is requested for a single trip or for continuous operation. After approval by MDOT, they will issue the permit and collect the fee.

Applicants for Continuous Movement/Self-Issued Blanket Authorization (CMSI), Timber Industry Two-Piece Load Blanket Permits, or Oversize/Overweight Write-Your-Own Blanket Permits must submit a written application and establish an MDOT charge account. More information can be obtained by calling (601) 359-7055.

Every such permit shall be carried in the vehicle or combination of vehicles to which it refers and shall be open to inspection by any police officer or authorized agent of any authority granting such permit. No person shall violate any of the terms or conditions of such special permit. Permits covering the number of vehicles anticipated in any operation may be issued by the MDOT.

SASHTO regional permits

Effective September 1, 1994, nine southeastern states joined together allowing carriers — who need an oversize permit for operation on the highways in any of the nine states — to obtain a single permit to cover all nine states, rather than apply for separate permits in each state. Since that time additional states have joined, bringing the total to sixteen. The member states are Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, Missouri, North Carolina, Ohio, Oklahoma, So. Carolina, Tennessee, Texas, Virginia, and West Virginia. There are, however, certain requirements to be met when applying for such permit.

The permit will only be issued for an “envelope” vehicle, transporting a non-divisible load, and whose dimensions cannot exceed the following:

Length:	100 ft overall
Height:	14 ft
Width:	14 ft
Weight:	120,000 lb GVW 20,000 lb Single Axle 40,000 lb Tandem Axle 60,000 lb 3 or more Axles

The permit is only available through a wire service (not the state agency); is only valid for a single trip (no return trip); and is valid for no more than 10 days, or less than 5 days. Carrier will be informed of applicable restrictions when the permit is issued. (SASHTO is the Southeast Association of State Highway and Transportation Officials.)

(b) Insurance Requirements

Applicants must provide a valid federal DOT number or a Certificate of Insurance with the MDOT listed as the certificate holder with no less than \$500,000 single limit liability on file with the MDOT.

(c) Fees

Oversize/Overweight

Trip permit fee — \$10

Overweight permit fee — \$.05 per mile per 1,000 pounds over the maximum weight for the total miles traveled; minimum fee \$10

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Oversize width blanket or continuous movement overlength trailer blanket — \$100 per year per company

Timber industry two-piece load blanket permit - \$200 per year

Write-Your-Own blanket permits (oversize/overweight, motor cranes, and off-road self-powered equipment)
— \$200

Oversize manufactured housing blanket

Pre-numbered permit book, 50 permits, \$500 (\$10 per permit)

Continuous movement/self issued blanket authorization (CMSI)

CMSI permits — \$500 per year per company

Special heavy equipment blanket permit

Annual special heavy equipment blanket permit — \$4,500 for excess weight (non-refundable); \$100 for an overwidth blanket permit not exceeding 14 feet

(d) Permitted Vehicle Limitations

The following limitations apply:

Blanket permits

Write-Your-Own Blanket Permit

All write-your-own blanket permits are valid for three consecutive work days and for daylight movements only, Monday through Saturday (no movement on Sunday).

Motor cranes and/or off-road self-powered equipment applicants must submit a certified scale receipt indicating the dimension of each axle's spacing, each axle's weight, and the date.

Pre-numbered permit books will be issued. Prior to each move the permittee must complete the information on the permit form and fax it to the Permit Office.

Oversize Width Blanket Permit

Oversize width blanket permits authorize the movement of loads not exceeding 14 feet.

Continuous Movement Overlength Trailer Blanket

The maximum length of the truck and trailer combination under the permit is not to exceed 99 feet.

A written application must be submitted, including a list of highways to be traveled. The company will be issued a blanket permit with designated routes.

Timber Industry Two-Piece Load Blanket Permit

The permit authorizes the movement of two pieces of equipment used in the timber industry as a one-piece load on state routes only. The company will be issued a series of pre-numbered permit forms.

The company will complete a permit form prior to any move, fax the form to the Permit Office, and issue a company of the permit to the vehicle's driver. If the permit is not faxed to MDOT, or if it is not displayed by the driver upon request, the move will be deemed not to have a permit.

No tandem axle may exceed 44,000 pounds and no tri-axle may exceed 60,000 pounds. If the gross vehicle weight exceeds 100,000 pounds, the company will be deemed not to have a permit.

VEHICLE SIZES & WEIGHTS MANUAL

Oversize Manufactured Housing Blanket Authority

Oversize manufactured housing blanket authority may be issued for non-divisible manufactured housing over 14 feet in width up to 16 feet in width, not exceeding 14 feet in height, and overall length of the towing vehicle and manufactured housing must not exceed 120 feet. The combination must be of legal weight.

There is no charge for blanket authority.

The permittee will complete a permit form for each trip; the original will be placed in the vehicle. Completed books must be returned to MDOT.

Continuous Movement/Self Issued Blanket Authorization (CMSI)

The continuous movement/self issued blanket authorization authorizes companies transporting sealed containerized cargo or equipment to move seven days per week, 24 hours per day, with a gross weight not to exceed 95,000 pounds (all other dimensions must be legal). The permit allows companies to issue their own permits without contacting MDOT. Since there is no control of routing after the blanket is issued, care must be taken during the application process to ensure that MDOT has a complete understanding of the nature of the loads.

The company will be issued a series of pre-numbered permit forms. The company must complete the permit form prior to any move, fax the form to the Permit Office, and issue a copy of the permit to the vehicle's driver. If the permit is not faxed to MDOT, or if it is not displayed by the driver upon request, the move will be deemed not to have a permit.

CMSI permits must be renewed each year.

Special Heavy Equipment Blanket Permit

All vehicles permitted for movement under the Special Heavy Equipment Blanket Permit will be allowed seven days per week, 24 hour movement for loads not exceeding 150,000 pounds, 12 feet in width, 13 feet 6 inches in height, or 99 feet in length.

Daylight moves only for loads over 12 feet wide not to exceed 14 feet wide (Monday through Saturday with normal travel restrictions).

When moving at night operating on two-lane roadways (one lane per direction of travel) loads 10 feet wide or greater will require, at a minimum, the use of a front escort and flashing amber lights mounted on the rear of the load.

When moving at night operating on divided highways (two or more through lanes per direction of travel) loads 10 feet wide or greater will require, at a minimum, the use of a rear escort and flashing amber lights mounted on the rear of the load.

Loads less than 10 feet will not require escorts.

Permits are vehicle-specific and requests to transfer the permit to another vehicle must be made in writing to MDOT justifying the request.

(e) Sign Requirements

An OVERSIZE LOAD sign is required on all movements exceeding 12 feet in width.

OVERSIZE LOAD signs must measure 84 inches by 18 inches in size with 10 inch high black letters with 1 5/8-inch brush stroke on a yellow or orange background.

VEHICLE SIZES & WEIGHTS MANUAL

(f) Flags and Lighting Requirements

Flags

Red warning flags measuring 18 inches square must be posted at both the front and rear corners when specified. Warning flags must be displayed on all corners at a height of six feet above the pavement on moves exceeding 10 feet up to 12 feet in width.

Lights

When moving during daylight hours, operating on two-lane roadways (one lane per direction of travel) or on divided highways (two or more through-lanes per direction of travel) loads 13 feet wide or greater will require flashing amber lights mounted on the rear of the load. Two five-inch flashing amber lights (sufficient for 500 feet visibility) must be mounted approximately six feet from pavement surface on the rear corners of loads and an oversize load sign on the front and rear of loads exceeding 12 feet in width.

(g) Escort/Flagperson Requirements

When moving during daylight hours operating on two-lane roadways (one lane per direction of travel) loads 13 feet wide or greater will require, at a minimum, the use of a front escort.

When moving during daylight hours operating on divided highways (two or more through-lanes per direction of travel) loads 13 feet wide or greater will require, at a minimum, the use of a rear escort.

For loads 12 feet wide or less, daylight hours are sunrise to sunset as reported by the National Weather Service. For loads greater than 12 feet in width, daylight hours are defined as 30 minutes after sunrise to 30 minutes before sunset as reported by the National Weather Service.

Night movements may be permitted for loads not exceeding 12 feet in width, or 150,000 pounds, or 99 feet long, or height exceeding 13 feet 6 inches (the maximum height depends on the route), as long as the following conditions are met:

- When moving at night on two-lane roadways (one lane per direction of travel), loads 10 feet wide or greater will require, at minimum, the use of a front escort and flashing amber lights on the rear of the load; or
- When moving at night on divided highways (two or more through-lanes per direction of travel) loads 10 feet wide or greater will require, at minimum, the use of a rear escort and flashing amber lights on the rear of the load.

Loads less than 10 feet in width do not require escorts.

One front escort, along with flashing amber lights mounted on the rear of the load, is required for loads and vehicles greater than 12 feet wide, not exceeding 16 feet in width, on two-lane roadways (one lane per direction of travel).

An escort vehicle used by the permittee with loads in excess of 12 feet, not exceeding 16 in width, on divided highways (two or more through lanes per direction of travel) will be required to trail the load, plus flashing amber lights must be mounted on the rear of the load.

Rear overhang of 15 feet or greater will require a front and/or rear escort depending on the location of the overhang(s) (forest products may have a 28-foot overhang but only daylight movement is allowed). Front projection 15 feet or greater requires a front and/or rear escort.

Vehicles with a total length exceeding 99 feet, but are less than 105 feet must obtain an oversize permit, and will be required to have at least one escort vehicle. Escort may be increased to front and rear according to routes.

Vehicles exceeding 105 feet total length will be required to obtain an oversize permit, and will be required to have at least one escort vehicle. Escort may be increased to front and rear according to routes.

VEHICLE SIZES & WEIGHTS MANUAL

(h) Escort Car/Company Requirements

The escort vehicle must be equipped with a flashing or revolving amber light, two warning flags mounted on the vehicle, an oversize load sign mounted on top of the vehicle, and an oversize load sign mounted on the front for the lead escort and rear for the following escort. An escort vehicle that alternates from lead to following must have oversize load signs on the front and rear. Two-way communication is required between escort(s) and the towing vehicle.

(i) Travel Restrictions

Movement is not allowed on Sunday, after noon on days preceding the following holidays, or on the following holidays:

New Year's Day	Memorial Day
Fourth of July	Labor Day
Thanksgiving Day	Christmas Day

Night movements may be permitted for loads not exceeding 12 feet in width, or 150,000 pounds, or 99 feet long, or height exceeding 13 feet 6 inches (the maximum height depends on the route), as long as they meet the escort requirements.

Transporters of loads in excess of 12 feet must time movements to avoid the major urban areas of Jackson, Memphis/Southaven and the Gulf Coast (excluding I-10) from 7 a.m. to 8:30 a.m. and 4:30 to 5:30 p.m. weekdays.

Maximum speed limits for oversize and/or overweight movements are legal posted limits or as specified on the permit.

However, when considered necessary for the protection of the public or the highway, permits may specify speed limits, police escorts or other safety precautions.

Transporting manufactured housing is prohibited during periods of heavy rain. Overwidth loads may not be moved in inclement weather.

Movement is prohibited on all posted bridges; visit <http://www.GoMDOT.com> for a posted bridge map.

(j) Manufactured Housing Permits

OVERSIZE LOAD signs are required on the front of towing vehicle and rear of manufactured home.

(k) Annual, Extended, And/Or Other Permits

Annual blanket permits are available; refer to information above for more details.

(l) Sealed Containerized Cargo Permits

Sealed containerized cargo units are considered as non-divisible loads and overweight permits will be issued subject to the following conditions:

- Containerized cargo units are transporting commodities for export or import moving to or from a port;
- A copy of the international bill of lading signed by a Customs official or an international bill of lading with an equipment interchange and inspection report must be submitted to the MDOT before a permit is issued;
- Maximum gross vehicle weight is 95,000 pounds (outer bridge of 51 feet), with maximum tandem axle weight of 42,000 pounds; and

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- All vehicles permitted for movement of overweight sealed containerized units are authorized 24 hours per day, seven days per week continuous movement.

III. SUPER LOADS

Loads over 20 feet wide, 17 feet high, 120 feet long, and/or 190,000 pounds gross weight or more are considered super loads in the state of Mississippi.

The following list of requirements must be addressed in the application:

- A request for permission to move on Mississippi's highway system;
- The name and address of the applicant and shipper;
- The origin and destination of the load;
- Gross weight of the vehicle and load;
- The dimensions of the tractor, trailer, and load;
- Written acknowledgment and permission from utility and railroad companies (when the load exceeds 17 feet in height);
- Written acknowledgment and permission from affected railroad companies (when the load length exceeds 120 feet);
- Steps taken to lessen the load;
- The most direct route;
- Steps to reduce interference with other traffic;
- If entering an adjacent state, a written certification from that state allowing entrance;
- Diagrams of the tractor, trailer, and load:
 - Number, spacing, and individual axle weights;
 - Number and size of tires; and
 - Width and height of load;
- A route survey must include the following:
 - Route(s) surveyed;
 - List of obstructions such as, highway signs (roadside and overhead), bridge rails, overhead traffic signals, and overhead power lines, railroad crossings on the route, or shoulders affecting the move;
 - Pull-off areas to allow traffic to pass, such as parking lots, truck stops, other locations with the capacity to allow the tractor, trailer, and load to completely clear the road; and
- Detailed traffic control plan that consists of the following:
 - List of all points where the load and/or vehicle will encroach into opposing traffic (how much of the lane will be encroached, distance traveled in opposing traffic lanes, duration of encroachment); and
 - If stopping traffic is required, provide details on where and how the traffic will be stopped and the type or method of advanced notification.

VEHICLE SIZES & WEIGHTS MANUAL

IV. AGENCY REFERENCES

(a) Regulatory Agency

Mississippi Department of Transportation
Permit Office
P.O. Box 1850
Jackson, MS 39215-1850
(601) 359-1717
(888) 737-0061 (Toll Free)
Fax: (601) 359-1602
(601) 359-5928

(b) Permit Agency

Same as above, except specify "Permit Office."

(c) Enforcement Agency

Mississippi Department of Transportation
Law Enforcement
P.O. Box 1850
Jackson, MS 39205-1850
(601) 359-1689

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Missouri must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Width:	102 in	102 in
Height:	14 ft	13 ft 6 in, 14 ft (auto transporters)
Length:		
Straight Trucks	45 ft	45 ft
Truck-trailer	65 ft	55 ft
Tractor-semitrailers	No limit*	60 ft
Tractor-twin-trailers	No limit*	65 ft
Semitrailer	53 ft (includes load)	N/S
Trailers of twin-trailer combinations	28 ft (includes load)	N/S
Auto/boat-transporters	75 ft overall	55 ft
Stinger-steered	75 ft overall**	55 ft**
Saddlemounts	97 ft	97 ft
Special limitations or restrictions	*Truck-tractors designed as a dromedary and equipped with a dromedary box, deck or plate mounted behind the cab forward of the 5 th wheel will be included in the length limitations for a tractor-semitrailer combination. **A 4-ft rear overhang allowed on either auto/boat-transporter combinations, but the 3-ft front overhang is only allowed on the power unit of auto/boat-transporters with a headrack.	
Weight:*		
Single axle	20,000 lb	22,000 lb
Tandem axle	34,000 lb	36,000 lb
Gross vehicle weight	80,000 lb	80,000 lb (unless lower on bridges)

*Additional 550-lb allowance on axle, gross, and bridge formula weights for a vehicle equipped with functional idle reduction technology.

Missouri allows a gross weight of 85,500 lb for livestock haulers on U.S. Highway 36 from St. Joseph to U.S. Highway 63, on U.S. Highway 65 from the Iowa state line to U.S. Highway 36, and on U.S. Highway 63 from U.S. Highway 36 to the Iowa state line.

VEHICLE SIZES & WEIGHTS MANUAL

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Special permits may be issued for non-reducible movements exceeding Missouri's length, width, height, and weight limitations. Reducible permits may be issued for farm products, certain emergency response vehicles, and military vehicles.

Single trip permits are:

- Issued for a one-way trip with a single vehicle; and
- Valid for seven days; SASHTO permits valid for 10 days (one-way trip).

A single day permit is available to allow off-road machinery to be transported or driven across a state maintained highway to access adjacent properties.

Applications and fees must be filed at least two days prior to the desired movement date and must be made in person or by mail, telephone, or online.

Single trip permits may be amended within two business days of the permit start date. The permittee, origin, destination, and/or commodity being hauled/towed will not be amended if the permit is already in effect.

If the permittee will be moving specialized equipment such as mobile cranes, rock crushers, drilling equipment, or other equipment that cannot be reasonably reduced in weight to comply with the legal axle spacing and weights, consideration will be given for a special permit. A special permit may be issued if:

- The weights do not exceed:
 - 20,000 lb single axle,
 - 40,000 lb tandem axle,
 - 60,000 lb triple axle, or
 - 60,000 lb quadrum axle, and
- The axle spacing complies with the weight table found in the State Bridge Table Tab under "Missouri."

SASHTO Regional Permits

The Southeast Association of State Highway and Transportation Officials (SASHTO) is a group of states that allows a carrier to obtain a single permit to cover all states, rather than apply for separate permits in each state. The SASHTO member states are Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, Missouri, North Carolina, Ohio, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.

The permit will only be issued for an "envelope" vehicle, transporting a non-divisible load, and whose dimensions cannot exceed the following:

Length:	100 ft overall
Height:	14 ft
Width:	14 ft
Weight:	120,000 lb GVW 20,000 lb Single Axle 40,000 lb Tandem Axle 60,000 lb 3 or more Axles

VEHICLE SIZES & WEIGHTS MANUAL

The permit is only available through select permit services, is only valid for a single one-way trip, and is valid for no more than 10 days, or less than five days. Carriers will be informed of applicable restrictions when the permit is issued.

(b) Fees

Permit Type	Fee(s)
Single trip overdimensional permit, including pre-issue	\$15
Single trip overdimensional permits in excess of 16 ft wide, 16 ft high or 150 ft long	\$15 plus \$250 movement feasibility fee
Multi-stop overdimensional permit	\$25 (farm implements only)
Single trip overweight permit up to and including 160,000 pounds gross weight	\$15 plus \$20 per each 10,000 pounds over legal gross weight
Single trip overweight permit over 160,000 pounds gross weight	\$15 plus \$20 per each 10,000 pounds over legal gross weight, plus bridge and roadway analysis fee
Bridge and roadway analysis fee, according to miles per move	<ul style="list-style-type: none"> • \$425 for 0 - 50 miles; • \$625 for 51 - 200 miles; and • \$925 for over 200 miles.
Highway crossing permit	\$250
Permit amendments	\$2

An applicant may establish an escrow account with the Missouri Department of Transportation (at the headquarters office in Jefferson City) in lieu of paying for each permit before it is issued.

Annual Permit Fees

Annual blanket permit type	Fees (prorated quarterly)
Emergency overweight permit (round trip)	\$624
Overdimensional permit-single commodity	\$128
Overdimensional permit-multiple commodity	\$400
Overweight well driller or concrete pump truck	\$300
Project permit	\$125

(c) Insurance Requirements

Applicant must have proof of insurance on file with Motor Carrier Services (MCS) in effect for the entire period of the permits. If the applicant has proof of public liability insurance (Form E) on file with MCS or the carrier has been approved to be self-insured, no additional proof of insurance is required to be filed.

The proof of insurance must be on a certificate of liability form (Acord). A surety bond (Form G) may be accepted in lieu of the certificate of liability.

VEHICLE SIZES & WEIGHTS MANUAL

Applicants must hold coverage as follows:

Type of Move	Amount
Routine	\$750,000
Super heavy and large loads	\$2,000,000
Noncommercial building (house) movement	\$2,000,000

Proof of cargo liability is not required; however, additional financial responsibility may be required for excessive overweight movements.

(d) Permitted Vehicle Limitations

Dimensions

- Width, up to 16 feet (certain limitations apply)
- Overall length, nonreducible vehicle and load up to:
 - 60 feet for a single unit, or
 - 150 feet for a combination unit.
- Height, nonreducible combination of vehicle and load height not exceeding the vertical clearance of the structures on the most feasible direct route, between origin and destination (Note: it is the permittee's responsibility to check all structures and overhead wires and to make arrangements for the removal/raising of overhead wires, if needed).

Weights

Axle Type	Weight Limit
Single axle	20,000 lb
Tandem axles	46,000 lb (but not more than 24,000 lb for any one axle of a multi-axle group)
Triple axles	60,000 lb (but not more than 21,000 lb for any one axle of a multi-axle group)
Quadrum axles	72,000 lb (but not more than 19,000 lb for any one axle of a quadrum axle group)

The allowable combination configurations for overweight special permits can be found at <http://www.modot.org/mcs/documents/2009OSOWRegBook-lowres.pdf>.

The maximum allowable gross weight for permits to move specialized equipment, such as mobile cranes, rock crushers, drilling equipment, or other equipment that cannot be reasonably reduced to comply with legal weights, can be found in the gross weight tables at <http://www.modot.org/mcs/documents/2009OSOWRegBook-lowres.pdf>.

(e) Sign Requirements

OVERSIZE LOAD signs must be at least seven feet long by 18 inches high with 10-inch letters of a 1 5/8-inch brush stroke. The sign's background must be yellow with black lettering.

VEHICLE SIZES & WEIGHTS MANUAL

OVERSIZE LOAD signs must be posted as follows:

Required when load exceeds:	Where to display:
10 feet 6 inches in width	Front and rear of vehicle
<ul style="list-style-type: none">• 50 feet in length for a single unit, or• 90 feet in length for a combination unit.	Front of vehicle

(f) Flags and Lighting Requirements

Flags

Red or orange fluorescent flags in good condition with a minimum size of 18 inches square must be displayed at the extreme ends or projections of all overwidth and overlength loads and all four corners of manufactured and sectional home units.

Lights

Night moves for hauling hay up to 14 feet wide will require front and rear escorts and lighted or reflectorized oversize load signs. Clearance lights instead of flags must be mounted at extreme ends or load projections when moving after daylight and/or when visibility is less than 500 feet.

(g) Escort/Flagperson Requirements

Permittees must ensure escorts accompanying their moves comply with the necessary regulations. Permittees must also verify the escort's minimum financial responsibility as required by law is in force at all times.

The permittee must keep a two-way radio in the cab during operation.

Escorts are required for oversize/overweight loads as specified by permit. If the load exceeds 12 feet 4 inches in width, then escorts are required as follows:

- One escort on the Interstate and designated system;
- A front escort on two-lane highways;
- A rear escort on multilane and divided highways; or
- Two escorts (one front and one rear) for travel on routes off the Interstate and designated system. If a vehicle exceeds 90 feet in length for a combination unit (except for mobile and modular home units), then a rear escort is required for such movements on all highways (except divided highways).

Night moves for hauling hay up to 14 feet wide will require a front and rear escort on all two-lane and multi-lane undivided highways (see above for additional flag/lighting requirements).

Front escorts must travel 300 feet in front of the load and rear escorts 300 feet to the rear of the load.

Flagpersons

The operator of the escort vehicle may act as the flagperson. On shorter bridges it may not be necessary to stop traffic if sight distance is good, but on longer bridges or where sight distance is short, a flagperson must be used to handle and/or stop traffic if necessary.

(h) Escort Car/Company Requirements

Escort car drivers must be at least 18 years of age.

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Escort vehicles must be a single unit vehicle of standard size with unobstructed vision to the front and rear and in safe operating condition. The unit may be an automobile, pickup truck, utility vehicle, station wagon, or equivalent. A separate escort is required for each load. The escort vehicle must be equipped with:

- At least two clean red or orange fluorescent warning flags, 18 inches square, mounted on a staff at the front extremities of a vehicle for a front escort, and at the rear extremities for a rear escort;
- A vertical clearance detection device if escorting an overheight load exceeding 15 feet 6 inches; and
- Continuous, two-way communication with the power unit.

In heavy traffic or when traveling within cities or towns, the escort vehicle should maintain a distance consistent with existing traffic conditions.

Escort Car Signs, Flags, and Lights

OVERSIZE LOAD signs must be displayed on the front and/or rear of the escort vehicle, whichever is applicable for the move (an optional sign mounted on the top of the vehicle with printing on both sides is acceptable). Signs are to be a minimum size of five feet long by one foot high with minimum eight-inch high letters. The sign's background must be yellow with black lettering, and be visible for at least 300 feet.

Escort vehicles must be equipped with flags whenever the dimensions of overwidth loads are equal to or exceed the width of the traveled lane on two lane bridges or whenever the width of the movement infringes on the adjacent lane of traffic. Flags must be posted as follows:

- At least two red or orange fluorescent warning flags must be mounted on a staff at the two front extremities of the vehicle for a front escort and at the rear extremities for a rear escort.
- Flags must be clean, red or orange fluorescent, in good condition, with no advertising or wording, and be at least 18 inches square.

(i) Travel Restrictions

Movement is limited from ½ hour before sunrise to ½ hour after sunset. No movement is allowed when:

- Road conditions are hazardous (such as snowy and ice covered);
- Hazardous cross winds affect the movement; or
- Weather conditions limit the visibility to less than 500 feet.

Contact Missouri DOT for restricted travel information if:

- Movements of major equipment or other special loads for short distances have an origin and destination within major urban areas;
- Movements will be in the Lake of the Ozarks and Branson areas or the metropolitan areas of St. Louis, St. Charles, Kansas City, and Springfield;
- The load is greater than 10 feet 6 inches in width and needs to cross certain Missouri and Mississippi River bridges; or
- The load is between 12 feet 4 inches wide and 14 feet in width or over 14 feet up to 16 feet in width.

Holidays

Movement is restricted on New Year's Day (January 1), Memorial Day (last Monday in May), Independence Day (July 4), Labor Day (first Monday in September), Thanksgiving Day (fourth Thursday in November), and Christmas Day (December 25).

Permitted moves are generally restricted from noon on the day before the holiday to ½ hour before sunrise on the day following the holiday or holiday weekend. Special restrictions exist for holidays falling close to weekends; contact Missouri DOT for more information.

VEHICLE SIZES & WEIGHTS MANUAL

Speed Limits

Maximum speed for all movements is 10 miles per hour under the posted speed limit unless otherwise posted or specified on the permit.

Movements over routes where minimum speed limits are posted shall operate at least at the speed posted.

Overwidth Movement Restrictions

Only Missouri and Mississippi River bridges, as listed below, may be used for the movement of loads in excess of 10 feet 6 inches in width. If the load exceeds ½ the width of the roadway on the two-lane bridges, a flagperson must be used to stop all oncoming traffic at the far end of the structure before the vehicle and load can proceed across. No movement will be allowed where flagging is necessary between the hours of 6:30 to 9 a.m. and 3 to 6 p.m.

Missouri river bridges

Location	Route	Roadway Width
Brownsville, NE	U.S. 136	22 ft 6 in
Rulo, NE	U.S. 159	20 ft 0 in
St. Joseph	U.S. 36	Dual Bridges
Atchison, KS	U.S. 59	24 ft 0 in
Leavenworth, KS	MO 92	26 ft 0 in
Waverly	U.S. 24/U.S. 65	44 ft 0 in
Miami	MO 41	23 ft 0 in
Boonville	MO 5/U.S. 40	40 ft 0 in
Glagow	MO 240	20 ft 3 in
Rocheport	I-70	Dual Lanes
Jefferson City	U.S. 63/U.S. 54	Dual Bridges
Hermann	MO 19	44 ft 0 in
Washington	MO 47	22 ft 0 in
Lexington	MO 13	Dual Lanes

Kansas city area

Location	Route	Roadway Width
Platte County (KCI)	I-435	Dual Bridges
Riverside	I-635	Dual Lanes
Fairfax	U.S. 69	Dual Bridges
Broadway	U.S. 169	Dual Lanes
Heart of America	MO 9	Dual Lanes
Paseo	I-29/I-35	Dual Lanes
Randolph	I-435	Dual Lanes
Liberty (Courtney)	MO 291	Dual Bridges

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St. Louis area

Location	Route	Roadway Width
Weldon Springs	40/61(I-64)	Dual Bridges
Blanchete	I-70	Dual Bridges
St. Charles (Discovery Br)	MO 370	Dual Bridges
St. Charles (West Alton)	U.S. 67	Dual Bridges
Page Avenue	MO 364	Dual Bridges

Mississippi river bridges

Location	Route	Roadway Width
Hannibal	I-72/U.S. 36	Dual Lanes
Louisiana	U.S. 54	20 ft 0 in
Quincy, IL	U.S. 24	Dual Bridges
Alton, IL	U.S. 67	Dual Lanes
Louisiana	U.S. 54	20 ft 0 in.
St. Louis City (Chain of Rocks)	I-270	Dual Lanes
St. Louis (Jefferson Barracks)	I-255	Dual Bridges
Chester, IL	MO 51	22 ft 0 in
Cape Girardeau	MO 74	Dual Lanes
Cairo, IL	I-57	Dual Lanes
Caruthersville	I-155	Dual Lanes

Permit movements on Mississippi River, Missouri River and the Lake of the Ozarks bridges are permanently restricted as designed below.

No overweight or overdimension permit movement on the following Mississippi River Bridges:

Location	Route
St. Louis City (Poplar St.)	I-70/I-55/I-64
St. Louis City (MLK)	MO 799
Cairo, IL	U.S. 60/U.S. 62

No overweight permit movement on the following Missouri River Bridges:

Location	Route
Miami	MO 41
Glasgow	MO 240
Washington	MO 47

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No overweight permit movement on the following Lake of the Ozarks Bridge:

Location	Route
Hurricane Deck	MO 5

Special movements between 12 feet, 4 inches wide and 14 feet wide are subject to a number of additional travel restrictions. Check with the Department of Highways for details.

(j) Manufactured Housing Permits

The movement of noncommercial buildings exceeding the routine oversize/overweight limitations will be determined on an individual basis, based on the physical features and traffic volumes along the route.

Applications and fees must be submitted two weeks in advance. The applicant must have a current house move license, applicable operating authority, and \$2,000,000 combined single limit automobile liability before a permit will be issued.

Generally, one front and one rear civilian escort is required for all house moves. Law enforcement escorts may also be required.

(k) Annual, Extended, And/Or Other Permits

Thirty-Day Blanket Permits

Thirty-day blanket permits for movements up to and including 12 feet 4 inches wide and/or overall length up to and including 150 feet, with legal height, covering specified travel over listed routes may be issued for a period up to 30 days to expedite construction or repair of public utilities or public works clearly in the public interest.

Thirty-day blanket permits are \$300.

Annual Blanket Permits

Separate permits are required for each tractor unit; to qualify for an annual blanket permit, insurance must be in force for the entire period and vehicles must be properly licensed. Annual blanket permits are issued only by the Department of Transportation and will have an expiration date of midnight on January 1.

Annual permits may be amended one time throughout the year for truck make and/or license.

The following annual blanket permits authorize travel over state highways only and permittees must maintain the posted minimum speed:

Single Commodity

Type of Movement (Single Commodity)	Permit Details
Manufactured and sectional home units	For moves up to and including 12 ft 4 in. in width and 150 ft in overall length and with legal height and weight.
Farm products (hay)	For moves up to and including 12 ft 4 in. in width with legal height, width, and length (not required to comply with the reducible load requirement for width).

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Type of Movement (Single Commodity)	Permit Details
Farm implements and construction equipment	<p>For moves up to and including 12 ft 4 in. in width and up to 150 ft maximum length, with legal height and weight.</p> <p>If equipment is not designed for towing at highway speeds, it must be hauled.</p> <p>If the equipment is designed to be towed, it must meet all regulatory safety requirements.</p> <p>Farm equipment with dual tires will not be required to comply with the reducible load requirement for width.</p>
100-mile radius blanket for farmers and farm implement dealers	<p>For movement of farm implements up to and including 14 ft 6 in. in width and all other dimensions and weight must be legal.</p> <p>Only valid for moves within a 100-mile radius of principal business.</p> <p>If farm implement is not designed for towing at highway speeds, it must be hauled.</p> <p>If the equipment is designed to be towed, it shall meet all regulatory safety requirements.</p> <p>Times of travel, signing, and escort requirements apply.</p>
Implements of husbandry and transporting vehicle	<p>For movements up to and including 12 ft 4 in. in width and all other legal dimensions and weight (such units shall not operate under their own power on the interstate system).</p> <p>Note: Implements of husbandry are machines designed specifically for the application of commercial plant-food materials or agricultural chemicals and off-road usage; such units must not operate under their own power on the interstate system.</p>
Repeated moves of like objects	<p>Permits may be issued to a maximum width of 12 ft 4 in. and/or overall length up to a maximum of 150 ft and legal height and weight.</p> <p>The following items may be considered: boats, portable buildings, wood trusses, steel trusses, plates, beams, angles, pipe or piling, reinforcing steel mesh, rods or bars, tanks, mobile office trailers, grain carts, cotton trailers, park trailers, precast concrete panels, aluminum plates, wood beams and concrete girders.</p> <p>The permit will describe and specify the object to be hauled.</p> <p>A blanket permit may be issued for the repeated movement of objects for permanent use in their transported form.</p> <p>Such objects may vary in size as long as the largest is within the width and/or length limit specified on the permit.</p> <p>Multipiece loads must be nonreducible and nondivisible in dimension.</p>

Multiple Commodity

Annual blanket permits are available to haul any commodity up to and including 12 feet 4 inches wide and 150 feet overall length. Height and weight must be legal. Multipiece loads must be nonreducible and nondivisible.

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Overdimensional/Overweight

Blanket permits are also available for items that may be overdimension or overweight with varying operation areas and time periods:

Type of movement	Permit Details
Well-drilling Concrete pump truck	Blanket permits for well-drilling rigs or concrete pump trucks may be issued to a maximum width of 12 ft 4 in., and/or overlength to a maximum of 60 ft for single units and weights not to exceed 20,000 pounds or legal weight on a single axle, 40,000 pounds on a tandem axle group, or 60,000 pounds on a triple or quadrum axle group and a gross weight not to exceed the maximum allowable gross weight according to the number of axles and the specified axle spacings. Permit restrictions apply.
Emergency response	Annual blanket permits for the initial response and direct return from an emergency are available up to and including 12 ft 4 in. in width, 150 ft in length and maximum axle weights and gross weight as allowed in the weight table. Height must be legal. Permit restrictions apply.
Public utility	Blanket overlength permits not exceeding 150 ft in length (width, height and weight must be legal) may be issued to a public utility company, a public agency or their contractor to transport poles or pipe for minor construction, reconstruction, replacements, or emergency repairs. Additional permit restrictions may apply.
Sludge disposal units	Blanket permits are available for travel on the state highway system other than the interstate and may not exceed 11 ft 6 in. in width. All other dimensions and weight must be legal.
Projects	Blanket permits are available for the movement and/or operation of overdimension and overweight road building equipment within the limits of a specific highway project or combination of projects, for a period not to exceed the completion date of that project. Contact Missouri Department of Transportation for details.
Longer combination vehicles (LCV) blanket permits	This permit may include combinations defined as Rocky Mountain Doubles (RMD), Turnpike Doubles (TPD), and triple-trailers currently allowed to operate on turnpikes in other states. Annual blanket permits are available for longer combination vehicles up to 120 ft in overall length to travel to and from locations within 20 miles of the western border of Missouri. 95,000 lb is allowed for LCVs entering from the Nebraska border and 90,000 lb is allowed for LCVs entering from the Oklahoma border. All other dimensions and weight shall be legal. This permit authorizes travel over specified routes on the state highway system

Emergency Movements

Emergency movements (to respond to railroad derailments or other civil disasters) into or within Missouri may be allowed day or night, seven days per week by verbal approval from the state. Official permits must be obtained on the first working day immediately following the move. Contact the Missouri DOT Motor Carrier Services Division for more information.

VEHICLE SIZES & WEIGHTS MANUAL

III. SUPER LOADS

Loads with dimensions or weights exceeding a width of 16 feet, a height of 16 feet, length of 150 feet, and/or over 160,000 pounds gross weight require permits from the Missouri DOT Motor Carrier Services Division.

Applications are available upon request or online and must be submitted two weeks in advance. Valid vehicle registration is required as well as a minimum of \$425 in escrow to cover the bridge analysis. Applicants for super heavy and large load movements may be required to provide traffic control plans or sketches, or utility company approval (for movements exceeding 17 feet in height). Proof of additional insurance in the amount of \$2,000,000 combined single limit automobile liability is required before a permit will be issued.

Generally the maximum weight allowed on any single axle is 22,400 pounds. All axles on the unit must be load carrying with a maximum degree of equalization.

Travel on interstate and other divided highways is allowed from ½ hour before sunrise to ½ hour after sunset except where restricted in tourist and urban areas. No movements are allowed from 6:30 to 9 a.m. and 3:30 to 6 p.m. on all other routes on the state highway system. Travel is generally allowed on Saturday and Sunday for moves 14 feet wide or less, although certain exceptions may apply. Dates and travel times will be specified on the permit.

All superloads require one front and one rear civilian escort and Missouri State Highway Patrol escorts may be required if the load exceeds certain dimensions.

Contact Missouri DOT Motor Carrier Services Division for more information on super heavy and large load movements.

IV. AGENCY REFERENCES

(a) Regulatory Agency

Missouri Department of Transportation
Motor Carrier Services Division
Permit Section
1320 Creek Trail Dr.
Jefferson City, MO 65102
(573) 751-7100
(800) 877-8499
Fax: (573) 751-0916

(b) Permit Agency

Same as (a) above. Permits for overdimensional movements and 30-day blankets may also be secured from the following DOT district offices:

District 1 - 3602 North Belt Highway, Box 287, St. Joseph, MO 64502	(816) 387-2350
District 2 - U.S. Route 63, P.O. Box 8, Macon, MO 63552	(660) 385-3176
District 3 - Highway 61 South, Box 1067, Hannibal, MO 63401	(573) 248-2490
District 4 - 600 N.E. Colbern Road, Lee's Summit, MO 64064	(816) 622-6500
District 6 - 14301 S. Outer 40, Chesterfield, MO 63017	(314) 340-4100
District 7 - 3901 East 32nd Street, P.O. Box 1445, Joplin, MO 64802	(417) 629-3300
District 8 - 3025 East Kearney, Box 868, Springfield, MO 65801	(417) 895-7600
District 9 - 910 Springfield Rd., Box 220, Willow Springs, MO 65793	(417) 469-3134
District 10 - 2675 N. Main St., P.O. Box 160, Sikeston, MO 63801	(573) 472-5333

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(c) Enforcement Agency

Missouri State Highway Patrol

1510 E. Elm St.

P.O. Box 568

Jefferson City, MO 65102

(573) 751-3313

Fax: (573) 751-9419

VEHICLE SIZES & WEIGHTS MANUAL

Reserved

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Montana must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	All Highways
Width:	102 in
Height:	14 ft
Length:	
Straight Trucks	55 ft
Tractor-semitrailer combinations	No limit if semitrailer does not exceed 53 ft
Tractor-twin-trailer combination	No limit if trailers are not over 28 ft 6 in. and/or 61 ft combined trailer length
Semitrailer	53 ft
Trailers of twin-trailer combinations	28 ft 6 in (61 ft combined)
Auto/Boat-transporter combination	75 ft – 3-ft front, 4-ft rear overhang
Stinger-steered	75 ft – 3-ft front, 4-ft rear overhang
Special limitations or restrictions	—
Weight:	
Single axle – 2 tires	11,000 lb
Single axle – 4 tires	20,000 lb
Tandem axle – 8 tires	34,000 lb
Tridem axle	42,000 lb
Steering axle	N/S
Load per inch width of tire	500 lb — must be wide-based tires
-or-	
Gross wheel weight	N/S
Gross vehicle weight	Uncapped formula B to 132,000 lb
Tolerances	Up to 10%; \$10 trip permit fee charged. Permit only available to first location to reduce to legal weights.

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Seasonal Weight Restrictions

Montana's seasonal weight restrictions can be found at http://www.mdt.mt.gov/travinfo/scripts/view_restriction.pl?report=current.

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Operators of vehicles that exceed the legal size and weight limits must obtain a permit from the Department of Transportation prior to making any movement in the State of Montana. There are no exemptions from the permit requirements for overlength poles or pipes.

The special permit must be carried in the vehicle to which it was issued and open at all times to inspection by any peace officer, officer of the highway patrol, or employee of the Department of Transportation.

The permittee will be responsible for checking the routes to be traveled to determine the clearances of bridges and other structures. The permit does not guarantee clearances for maximum height as specified in the list of bridges and structures prepared by the Department of Transportation. A list of maximum height clearances for bridges and structures may be obtained from the Helena Office as well as the other Division Offices.

The following permits are available:

- Single-trip overdimensional permits, issued for dimensions exceeding the term permit;
- Single-trip overweight permits, required when the weight exceeds the allowable load or the allowable axle load for a non-reducible or indivisible load; issued for a single trip from one location to another only (return trip requires another permit);
- Term permits (annual permits);
- Self-issuing permit, trip or term self-issuing permits are available at the Helena office only;
- No-fee permits, issued to federal, state, county, city, and foreign governments at no cost; and
- Triple-trailer combination permits ("special vehicle combination" permits), available by calling Montana Department of Transportation.

Permits are non-transferable. Owner/operators breaking a lease agreement with a carrier are not allowed to transfer permits.

Western Association of State Highway and Transportation Officials (WASHTO) regional permits

Ten western states: Arizona, Colorado, Idaho, Montana, New Mexico, Oklahoma, Oregon, Texas, Utah and Washington have joined together allowing carriers needing oversize/overweight permits for operation on the highways of the Regional Network. Each member jurisdiction may issue regional permits and collect fees allowing operations in the other members' jurisdictions. Certain requirements have to be met when applying for each permit.

Permits are issued only for an "envelope" vehicle of the following non-reducible maximum dimensions:

Length:	110 ft overall
Height:	14 ft
Width:	14 ft

VEHICLE SIZES & WEIGHTS MANUAL

Weight:	160,000 lb gross weight 21,500 lb Single Axle 43,000 lb Tandem Axle 53,000 lb per Tridem (wheelbase more than 8 ft and less than 13 ft) 600 pounds per inch of tire
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The single trip permit will be valid for a period of five working days, for use by the permitted vehicle only (tractor and trailer).

(b) Fees

Permit	Fee
Single trip oversize	\$10
100-ft long Interstate single trip	10
Single trip triples permit	20
Annual Overdimensional Permit	75

For loads that are overweight on bridge but that have legal axle weights (non-divisible loads), the fees are:

- \$10 for up to and including 100 miles;
- \$30 for 101 to 199 miles; or
- \$50 for 200 miles and over.

The mileage fees for single trip overweight permits are as follows based upon the sum excess in axle or axle group weight.

Total Excess Axle Weight Pounds	Cost of Miles Traveled Dollars
5,000	\$ 3.50
10,000	7.00
15,000	10.50
20,000	14.00
25,000	17.50
30,000	21.00
35,000	24.50
40,000	28.00
45,000	31.50
50,000	35.00
55,000	38.50
60,000	42.00
65,000	45.50
70,000	49.00
75,000	52.50
80,000	56.00
85,000	59.50
90,000	63.00
95,000	66.50
100,000	70.00

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Over 100,000 pounds is \$70 + \$3.50 per 5,000 pounds or part of 5,000 pounds in excess of 100,000 pounds.

The mileage must be rounded off in units of 25 miles and mileage in excess of a 25-mile increment must be assessed at the next higher 25-mile increment.

The weight must be rounded off in 5,000 pound increments and weight in excess of a 5,000 pound increment must be assessed at the next higher 5,000 pound increment.

There will be an annual overweight permit of \$200 for a load that is in excess of the limits set forth in 61-10-107, but that does not exceed a total of 5,000 pounds in total excess axle weight.

Term oversize permit fees are as follows:

Load Conditions	Fees
95 ft long, 15 ft wide, 14 ft 6 in high	\$75
100 ft long (Interstate only)	125
120 ft long, non-divisible length (width and height not included)	125
Triples	200

(c) Insurance Requirements

A minimum of \$1 million combined single limit bodily injury and property damage liability per occurrence is required before a special permit may be issued.

(d) Permitted Vehicle Limitations

The following conditions apply to term permits:

Load/Vehicle Conditions	Maximum Permit Limits
Width, non-reducible load	15 ft
Width, reducible load	9 ft
Height	14 ft 6 in
Length, single power unit, non-reducible	120 ft
Length, single power unit, reducible	55 ft
Length, single semitrailer	57 ft
Length, truck-trailer	95 ft
Length, non-divisible loads (ranes, unladen heavy-haul combinations with boosters and jeeps, truck-trailer with non-reducible load such as poles, etc.)	120 ft, all highways (term permit is for length only; exceeding width and height requires a separate permit)
Rocky mountain doubles	81 ft of combined trailer length (if the combined trailer length is within 81 ft, the maximum combination length of 95 ft does not apply; if the combined trailer length exceeds 81 ft and the total combination does not exceed 95 ft, a permit may be issued for a combination length of 95 ft)

VEHICLE SIZES & WEIGHTS MANUAL

Load/Vehicle Conditions	Maximum Permit Limits
Length, combination doubles	100 ft, Interstate only (if combined trailer length exceeds 81 ft and the combination length exceeds 95 ft, a permit may be issued for a combination length of 100 ft)
Combination of vehicle length without overhang	95 ft, all highways
Double trailers	If either trailer exceeds 28 ½ ft or combined trailer length exceeds 61 ft, then permit is required regardless of overall combination length.
Triples	Interstate travel only; length limits: <ul style="list-style-type: none"> • Powered by a cab-over or tilt-cab, 105 ft length inclusive of front and rear bumpers and overhang; or • Powered by a conventional truck-tractor, 110 ft, inclusive of front and rear bumpers and overhang.

Single trip permits may be issued if any dimension exceeds the maximum term permit width, height, or length.

Term overweight permits may be issued for non-divisible loads.

The Department of Transportation adopts and incorporates by reference weight tables established by the Bridge Bureau of the Department of Transportation for use in determining the conditions for the movement of overweight vehicles or loads information pertaining to weight tables and special permits for overweight vehicles and loads is available at the Motor Carrier Services Division at (406) 444-6130.

(e) Sign Requirements

OVERSIZE LOAD or WIDE LOAD signs must be marked with letters measuring eight inches in height. There are no specific color or size requirements.

An OVERSIZE LOAD or WIDE LOAD sign must be visible front and rear of the vehicle when the movement exceeds 10 feet in width.

(f) Flags and Lighting Requirements

Flags

According to 49 CFR 393.87, any commercial motor vehicle transporting a load which extends beyond the sides by more than four inches or more than four feet beyond the rear must have the extremities of the load marked with red or orange fluorescent warning flags. Each warning flag must be at least 18 inches square. There must be a single flag at the extreme rear if the projecting load is two feet wide or less. Two warning flags are required if the projecting load is wider than two feet. Flags must be located to indicate maximum width of loads which extend beyond the sides and/or rear of the vehicle.

Lights

Flashing amber lights are required on the rear of all oversize vehicles exceeding 10 feet in width.

Flashing amber lights must measure five inches in diameter, with a minimum candle power of 50 and a flashing frequency of 60 to 90 per minute. The lights must be mounted at each end of the sign and must be operating at all times when moving an oversize vehicle. A revolving light or strobe light may be substituted for flashing lights. Lights must be flashing at all times when moving an oversize vehicle or load.

VEHICLE SIZES & WEIGHTS MANUAL

(g) Escort/Flagperson Requirements

Flag vehicles (escort vehicles) are required on the Interstates and non-Interstates as follows:

Highway Type	Escort Requirements
Non-Interstates	<ul style="list-style-type: none">• One flag vehicle in front when vehicle or load exceeds 12 feet 6 inches wide;• One flag vehicle in front and one rear when vehicle or load exceeds 16 feet 6 inches in width; and• One flag vehicle required in rear if length is over 110 feet.
Interstates	One flag vehicle in rear if load is over 16 feet 6 inches wide and/or 120 feet long.

Vehicles or loads up to 16 feet 6 inches in width are not required to have a rear flag vehicle if they're equipped with front and rear OVERSIZE LOAD signs and two flashing lights or one revolving/strobe light mounted on the power unit.

A rear flag vehicle escort is not required for a vehicle that exceeds 12 feet 6 inches in width that is hauling or towing an implement of husbandry, construction equipment, or forestry equipment, and that is operating under a special permit, if the vehicle is operating at highway speed or with the flow of traffic.

Flagperson requirements

On non-Interstate primary and secondary highways, two flag vehicles, or one flag vehicle and one flag person, equipped with high visibility clothing and hand-signaling devices, are required when speed restrictions over structures are imposed. High visibility clothing will be a flagger's vest, shirt, or jacket, orange, yellow, strong yellow green, or fluorescent versions of these colors. Hand signaling devices must be a STOP/SLOW paddle 18 inches wide and octagonal in shape, with letters at least six inches high. The background of the STOP face must be red with white letters and border.

Before crossing any non-Interstate structure(s), the hauling unit must come to a complete stop approximately 50 feet from the end of the structure. After flag vehicles or flagpersons have stopped all traffic onto the structure, the overweight vehicle must proceed at a speed not to exceed five miles per hour with the center of the unit directly over the center line of the roadway of the structure. There may be no alteration of the speed (changing of gears) while on the structure or approach, and flag vehicles or flag persons may not permit any other traffic on the structure until the overloaded vehicle is off the structure.

(h) Escort Car/Company Requirements

A flag vehicle (escort vehicle) may be any passenger car or two-axle truck a minimum of 60 inches wide. The maximum manufacturer's rating for the flag vehicle may not exceed a gross vehicle weight rating of 14,000 pounds. Service or mechanic trucks owned or contracted by the permittee and used as a flag vehicle may not exceed a gross vehicle weight rating of 26,001 pounds. A flag vehicle must be legal size and weight and must be clearly distinguished from and identifiable as the escort vehicle. A flag vehicle may pull a trailer or carry any item(s) or equipment that:

- Is within legal limits of size and weight;
- Allows an unobstructed view of the flashing lights and signs used by the flag vehicle;
- Complies with all state traffic laws; and
- Possesses current registration and valid insurance.

Service or mechanic trucks used as a flag vehicle must not have a utility box which extends above the cab more than 12 inches or beyond the width of the cab by more than six inches on either side.

The flag vehicle preceding or following the property being transported must be between 500 and 1,000 feet of the movement.

All flag vehicles must be equipped with two-way radio communication.

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Escort car signs, flags, and lights

A sign with the words OVERSIZE LOAD or similar wording must be visible from the front of the vehicle and rear of the vehicle at all times when piloting an oversize load. Letters must be at least eight inches high. The letters must be dark in color on a light-colored background. When not being operated as a flag vehicle, signs must be removed.

Flashing amber lights, visible front and rear, a minimum of five inches in diameter, 50 candlepower, 60 to 90 flashes per minute, must be mounted at each end of an OVERSIZE LOAD (or similarly worded) sign on the roof of the flag vehicle. A revolving or strobe light may be substituted for flashing lights. Lights must be flashing at all times when piloting an oversize load.

(i) Travel Restrictions

The dimensions of the load determine the hours of travel, as follows:

Load Conditions	Travel Details
Load does not exceed: <ul style="list-style-type: none">• 10 feet wide;• 110 feet long; or• 14 feet 6 inches high	Travel is allowed during darkness, weekends, holidays, and on red-route highways. The load or vehicle must have lights the full width and length.
Load does not exceed: <ul style="list-style-type: none">• 18 feet wide*;• 120 feet long; or• 18 feet high	Travel is allowed during daylight hours, seven days per week (excluding holidays and holiday weekends and on red routes).
Load exceeds: <ul style="list-style-type: none">• 18 feet wide*;• 120 feet long; or• 18 feet high	Travel is not allowed on Saturdays, Sundays, holidays, or holiday weekends.

*Over 17 feet high requires Helena office approval.

On red-route highways, the following vehicles may not travel after 3 p.m. on Friday to sunrise on Saturday and from noon on Sunday to sunrise on Monday:

- Single units over 55 feet long;
- Vehicle combination exceeding 10 feet width; and
- Combinations over 14 feet 5 inches high.

On red-route highways the following vehicle combinations may not travel after 3 p.m. on Friday until sunrise on Monday:

- Combinations exceeding 18 feet width or height; or
- Combinations exceeding 120 feet length.

Information regarding restricted vertical clearances of over 17 feet may be obtained by contacting District Offices in Missoula, Butte, Great Falls, Glendive, and Billings, or area offices of Kalispell, Bozeman, Havre, Wolf Point, Miles City, and Lewistown.

In no instance is a county maintained road to be subjected to heavy truck traffic without prior discussion with the county or counties concerned. When seasonal load limits are imposed overweight permits are not valid unless accompanied by written authorization from the district maintenance chief. During portions of the critical breakup period, specific units (such as contractor's equipment) may be allowed to travel during the early morning hours when the ground is frozen, weather permitting. A 400-pound per inch width of tire restriction and

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a 35 miles per hour speed limit will be imposed on designated state-highway routes showing pavement breakup. Specific areas of distress within these routes may be posted for lower speeds and weight when necessary.

Holiday restrictions

Vehicle combinations exceeding 10 feet width, 110 feet length, and over 14 feet 6 inches height are not allowed to travel on the following holidays or holiday weekends:

New Year's Day	Labor Day
Memorial Day	Thanksgiving Day
Independence Day	Christmas Day

If a holiday falls on a Friday or Saturday, no travel allowed Friday, Saturday or Sunday. If a holiday falls on a Sunday or Monday, no travel allowed on Saturday, Sunday, or Monday. If a holiday falls on a Tuesday, Wednesday, or Thursday, travel is not allowed on that day only, and travel will be allowed on the days preceding and following the holiday.

Speed limits

Speed is restricted to 65 miles per hour on Interstates and 60 miles per hour on non-Interstates, or lower, as posted.

The Department may restrict speed as a condition of the permit in cases of extreme overweight. On Interstate highways, unless specifically noted on the special permit, loads may maintain a maximum speed of 55 miles per hour unless otherwise posted for a lower speed.

(j) Manufactured Housing Permits

Mobile homes and mobile home combinations over 75 feet in length must obtain oversize permits.

Overwidth mobile home movements exceeding 12 feet 6 inches in width must be preceded by one flag car to warn and regulate traffic. No flag cars are required for movements over completed sections of the Interstate System of Highways. The use of two-way radio communication between pilot cars and toter is required.

(k) Annual, Extended, And/Or Other Permits

Term permits are issued for a calendar year and expire on December 31 each year.

Term permits are issued to Montana IRP-plated vehicles, on the IRP cab card (vehicle combinations up to 95 feet only) are issued for a yearly period, expiring on the last day of the period showing on the cab card.

(l) Sealed Containerized Cargo Permits

Montana does not have special provisions concerning sealed containerized cargo permits.

III. SUPER LOADS

In the state of Montana, super loads are considered as any load that exceeds 17 feet high, 18 feet wide, 150 feet long, or is in excess of 107,000 pounds.

If load exceeds any of these dimensions or weights, the transporter must submit an application including drawings, axle spacings, and tire sizes to the state.

In addition, if hauling an overweight load, the vehicle must be registered under IRP for more than 80,000 pounds. This must be done through the vehicle's base state. The state of Montana does not allow IRP registration in excess of 130,000 pounds.

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Processing will take anywhere from two weeks to a month to receive a permit.

IV. AGENCY REFERENCES

(a) Sizes and Weights

Regulatory agency

Department of Transportation, Motor Carrier Services Division
(406) 444-6130
www.mdt.mt.gov/

Montana Highway Patrol
(406) 444-7000
<https://doj.mt.gov/highwaypatrol/>

Permit agency

Same as above

Super loads

Montana Department of Transportation, Motor Carrier Services Division
(406) 444-7262
Hours: 8 a.m.-5 p.m. (Mountain Time)
www.mdt.mt.gov/

VEHICLE SIZES & WEIGHTS MANUAL

Reserved

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Nebraska must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	All Highways
Width:	102 in*
Height:	14 ft 6 in
Length:	
Straight Trucks	40 ft
Truck-trailer	65 ft (75 ft if have implement of husbandry on the trailer)
Tractor-semitrailer combinations	No limit
Tractor-twin-trailer combination	No limit
Semitrailer	53 ft
Trailers of twin-trailer combinations	65 ft, as measured from front of 1 st trailing unit to rear of 2 nd .
Auto-transporter combination	53-ft semitrailer
Stinger-steered	75 ft
Driveaway saddlemount	75 ft
Special limitations or restrictions	*The following state highways shall not be used if any vehicle exceeds an overall width of 8 ft: Hwy. 34 – From the Jct. with L-13G in Plattsmouth E. to IA.
Weight: *	
Single axle	20,000 lb
Tandem axle	34,000 lb
Tridem axle	42,000 lb for 8-ft group; 42,500 lb for 9-ft group; 43,500 lb for 10-ft group
Steering axle	20,000 lb or the tire rating, whichever is less
Load per inch width of tire	N/S
-or-	
Gross wheel weight	10,000 lb
Gross vehicle weight (based on bridge table)	80,000 lb (on interstate) 95,000 lb (on state roads if have the bridge and axles)
Tolerances	N/S

*The maximum gross weight limit and the axle weight limit for any vehicle or combination of vehicles equipped with idle reduction technology may be increased by up to 400 lb to compensate for the additional weight of the idle reduction technology.

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II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Operators of vehicles that exceed the legal size and weight limits must obtain a permit from the Department of Roads prior to making any movement in Nebraska. Permits will not be issued for vehicles or loads that can be reduced to comply with statutory size and weight limits.

Oversize and overweight permits are available at <http://www.truckpermits.nebraska.gov>.

Nebraska offers single trip permits, continuous annual permits, and conditional interstate use permits.

A single trip permit will be issued for the movement of a vehicle or a combination of vehicles (not including mobile homes), that exceeds the legal limitations with regard to weight, height, length, or width, only when unladen or when the load to be carried exceeds the dimensions of the vehicle or combination of vehicles. Permits are valid for up to 10 days.

Continuous operation permits may be issued for the frequent or repeated movement of a vehicle or combination of vehicles, with or without loads, within an area or on designated highways approved by the Department for a designated time period not to exceed one year.

A conditional interstate use permit (CIUP) is necessary to permit movement of certain divisible loads exceeding 80,000 pounds. CIUPs may be purchased in 10-day increments up to a maximum period covering 90 days.

Visit <http://www2.dor.state.ne.us/permit/> for more information on permits.

Exemptions

Permits are not required to cross a highway.

Permits will not be required for vehicles or combinations of vehicles, with or without loads, when the maximum width exceeds 102 inches in the following cases:

- Farm equipment in temporary movement during daylight hours in the normal course of farm operation.
- Farm equipment dealers hauling, driving, delivering or picking up farm equipment or implements of husbandry during daylight hours.
- Highway or public construction or agricultural land treatment equipment in temporary movement during daylight hours on roads other than dustless surfaced state highways and for necessary access points to such highways.
- Mobile homes or modular housing not exceeding 16 feet in width on roads other than the Interstate or defense highway system, during daylight hours.
- Portable livestock buildings not exceeding 14 feet in width moving during daylight hours, or prefabricated livestock buildings not exceeding 16 feet in width moving during daylight hours.

Permits will not be required for livestock forage vehicles or combinations of vehicles traveling during daylight hours, with or without loads, exceeding the 14-foot 6-inch height limit when hauling baled or unbaled livestock forage and equipment when the overall height does not exceed 18 feet.

Nebraska's length regulations shall not apply to the temporary moving of farm equipment during daylight hours in the normal course of farm operation, nor to the movement of public utility or other construction and maintenance material and equipment at any time. Load must be marked with red flag (12 inches square) during daylight and red light visible for 200 feet at night when rear overhang extends for four or more feet. The length of refrigerated units mounted on the front of trailers which overhang the cab of the truck shall not be counted in determining length.

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(b) Fees

Permit fees are as follows:

Permit Type	Fees
Single trip, oversize only	\$15
Single trip, overweight only	20
Single trip, oversize and overweight	25
Permit amendments	10
Continuous permit	25 per quarter or part thereof (not to exceed \$100 per year)
Movement of garbage or refuse	10 per month (not to exceed \$100 per year)
Interstate implement of husbandry	25 per quarter
Conditional interstate use permit	10 for each 10-day increment up to a max. of \$90 for 90 days.

(c) Insurance Requirements

Before granting any permit, the Department may require the vehicle owner or operator to furnish a certificate showing the amount of public liability and property damage insurance carried. The Department, at its discretion, may also require the vehicle owner or operator to furnish a bond or certified check payable to the Department to indemnify it for all damages that may be done to the highway by such vehicle.

(d) Permitted Vehicle Limitations

For single trip permits, in no case may a single axle exceed 20,000 pounds either alone or in a group of axles except:

- On construction equipment or equipment used in agricultural land treatment, that is driven on a road, provided it is equipped with flotation tires that do not exceed the tire specifications; or
- Permits for self-propelled specialized mobile equipment including self-propelled oil-well servicing units, provided that a:
 - Single axle does not exceed 25,000 pounds;
 - Tandem axle does not exceed 47,000 pounds;
 - Triple axle does not exceed 60,000 pounds; and
 - Quad axle does not exceed 80,000 pounds.

For self-propelled specialized mobile equipment, in no case may the maximum gross weight exceed:

- 94,000 pounds on a four-axle unit;
- 107,000 pounds on a five-axle unit; or
- 120,000 pounds on a six-axle unit.

A conditional use interstate permit (CIUP) may be issued for vehicles weighing up to 95,000 pounds on the Nebraska interstate highway. In no case will vehicles be permitted to exceed 20,000 pounds carried on one axle, nor more than 34,000 pounds on a tandem axle. The overall gross weight of two or more consecutive axles, of vehicles issued a conditional safety permit, must conform to the requirements of the bridge formula set out in Nebraska statutes.

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(e) Sign Requirements

OVERSIZE LOAD sign(s) may be required at both the front or rear of the vehicle or load. The sign must be no less than seven feet long and 18 inches high, and be constructed of a yellow reflectorized material with reflectorized black letters measuring at least 10 inches high.

Signs are required on any load that is more than 10 feet in width. They must be displayed to the front of the hauling vehicle and the rear of the load.

Warning decals are required for truck-trailer combinations having a connection device between such vehicles which is more than 12 feet in length. The warning decal must be made of reflectorized red material with white reflectorized letters measuring three inches high. The decal must be affixed to the sides and rear of the trailer at a height of not less than 48 inches from the ground and not more than 74 inches from ground level. The decal must read LONG VEHICLE - PASS WITH CARE.

(f) Flags and Lighting Requirements

Flags

Warning flags must be red or orange fluorescent, measuring 18 inches square, in good repair and free of printing or other markings.

On loads more than 12 feet in width, red flags must be displayed on all four corners of the vehicle(s).

The drawbar or other connection between any two vehicles, one of which is towing the other on a highway, may not exceed 15 feet in length from one vehicle to another, except that a vehicle being towed with a connection device that is an integral component of the vehicle and is designed to attach to a lead unit, must display a red flag or other signal measuring 12 inches square at approximately the halfway point between the two vehicles on the connecting mechanism. Whenever such a connection consists of a chain, rope or cable, a red warning flag must also be placed on the connection.

Whenever a load extends more than four feet beyond the rear of the bed or body of the vehicle, a red flag measuring 12 inches square must be displayed at the end of the load. Between sunset and sunrise, a red light must be displayed that is visible from the rear of the vehicle at a distance of at least 200 feet.

Lights

All overdimensional mobile homes or modular housing being towed must be equipped with red lights on the rear, green or amber reflectors or lights on the front, and electric turn signals and clearance lights.

A light bar may be allowed in lieu of an escort vehicle on divided highways when stated on the permit. The light bar must:

- Have a left and right rotating amber, yellow, or flashing light to be seen at a distance of at least 800 feet; and
- Mounted on the rear of the load at a height sufficient to be seen clearly by traffic to the rear.

(g) Escort/Flagperson Requirements

Escort vehicles are required when the oversize vehicle or load exceeds 12 feet in width or 100 feet in length. On all undivided highways, the escort vehicle must be to the front, and on divided highways, it must be to the rear.

Pole car escorts may be required at the front of an overdimensional load that exceeds 14 feet 6 inches in height.

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Vehicles permitted for travel on Interstate 80 may follow only the following designated approved detour routes without an escort vehicle as long as they meet the light bar requirements:

- Milepost 0.00 on US-30 at the Wyoming State Line east on US-30 to Milepost 312.93 on US-30 at the intersection of US-30 and US-281 in Grand Island;
- Milepost 231.16 on US-34 at the intersection of US-34 and US-281 in Grand Island east on US-34 to Milepost 320.96 at the intersection of US-34 and I-80 north of Lincoln; and
- Milepost 323.35 on US-6 at the intersection of US-6 and I-80 west of Waverly east on US-6 to Milepost 345.47 at the intersection of US-6 and I-80 south of Gretna.

Flagpersons

Movement upon any state highway or interstate or defense highway may be required to be guarded by escort vehicles and flagpersons to the front and/or the rear by approximately 300 feet.

In case of a breakdown, where the vehicle involved cannot be moved, a flagperson must be placed by the mover and kept on duty on the highway 500 feet in each direction from the vehicle until it is moved off the traveled portion of the road.

(h) Escort Car/Company Requirements

Escorts must be a single vehicle (standard size truck or car) measuring at least 60 inches wide. The vehicle must be equipped with a revolving amber, yellow, or flashing light mounted on top of the vehicle at a minimum of 53 inches above the roadway. The rotating amber or yellow light must be of a sufficient size to be seen at a distance of not less than 800 feet.

The escort vehicle must travel at a distance not to exceed 300 feet from the overdimensional vehicle or load. Escort vehicles may also be required to maintain radio communication with the operator of the permit vehicle.

Escort car signs, flags, and lights

Escorts must be marked with OVERSIZE LOAD signs on both the front or rear, and red warning flags on all four corners.

(i) Travel Restrictions

A load shall be transported by a vehicle or combination of vehicles so that the least width or length dimension becomes the width of the load. Furthermore, no part of the load may extend across the center-line of the road except when necessary to avoid a collision with objects located near the edge of the road.

Movements of overweight only vehicles or loads, by permit, can travel 24 hours per day, seven days per week.

Movements by special permits may at anytime be delayed when traffic, weather or other conditions are determined by the Nebraska State Patrol, Weigh Station Officers, or the Department of Roads to constitute a hazard.

The movement of an oversize vehicle or load by permit is limited to 30 minutes before sunrise to 30 minutes after sunset unless otherwise specified on the permit.

Permits will not be valid for movement during dust storms or fog, or when rain, ice, sleet, snow, or winds cause a hazardous road or driving condition. Permits may also not be valid if there is debris from an accident, natural disaster, or emergency on the highway.

Movements are also restricted during University of Nebraska-Lincoln football games as follows:

- Westbound permit traffic on I-80 must be to Exit 395 at NW 48th Street by sundown on Friday in order to proceed on football Saturday.

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- Eastbound permit traffic on I-80 must be to Exit 409 at Waverly by sundown on Friday in order to proceed on football Saturday.
- No permit traffic will be allowed on the Nebraska Highway System on football Saturday within the area bounded by the Iowa border west to Nebraska Highway 14 and from the Kansas line north to Nebraska Highway 91.

Holiday restrictions

Such moves will be prohibited on the following legal holidays unless otherwise specified on the permit:

New Year's Day

Labor Day

Memorial Day

Thanksgiving Day

Independence Day

Christmas Day

A long holiday in the State of Nebraska is defined as Friday, Saturday, and Sunday, or Saturday, Sunday and Monday, depending whether the holiday falls on a Friday or Monday.

(j) Manufactured Housing Permits

Permits for manufactured housing movements may be issued for moves not exceeding 16 feet in width from 30 minutes before sunrise to 30 minutes after sunset over specified routes. The combined length of the manufactured housing and the towing vehicle may not exceed an overall length of 125 feet.

Permits will be valid for up to 10 moving days.

Before a permit will be issued for the movement of an overdimensional manufactured housing, the towing or hauling unit must have a valid license plate for operation on Nebraska's highways. The mover shall acquire insurance with a company authorized to do business in Nebraska for a Business Automobile Insurance Policy, or equivalent policy (ACORD FORM) of at least \$1,000,000 for bodily injury and property damage per occurrence. The driver must carry either the policy, or a card issued by the company showing the company's name, address, amount of insurance, policy number, and expiration date of the policy.

When towing manufactured housing on a highway outside of the city limits of any incorporated city or town, the minimum speed is 35 miles per hour or as posted, except when road conditions or traffic are such that minimum speed cannot be safely maintained.

No overdimensional manufactured housing or its towing vehicle may infringe upon the opposite bound lane of a two-lane pavement or overhang an adjoining lane of a multiple-lane pavement, regardless of the width of the lane on which it is traveling, except on a bridge having a width that would require a flagperson.

During the movement of overdimensional manufactured housing, an OVERSIZE LOAD sign must be attached to the front of the towing or hauling vehicle, and to the rear of the manufactured housing trailer.

Warning flags at least 18 inches square must be displayed on all four corners of an overwidth manufactured housing, being towed, during movement on the highway.

All overdimensional manufactured housing being towed must be equipped with red lights on the rear, green or amber reflectors or lights on the front, and electric turn signals and clearance lights.

Movement upon a State Highway or Interstate or Defense Highway may be required to be guarded by escort vehicles traveling approximately 300 feet to the front or to the rear or both. Movement on any State highway having a bridge or underpass with a clear roadway width of less than 20 feet must be guarded with a flagperson at the far side of the bridge or underpass to stop oncoming traffic while the manufactured housing is crossing the bridge or underpass.

Fourteen- or 16-foot-wide manufactured housing may be issued a permit to move on the Interstate or Defense Highway System if their movement is guarded by an escort vehicle, or without an escort vehicle under the following conditions; a flashing or rotating amber or yellow lights must be mounted on top of the home at

VEHICLE SIZES & WEIGHTS MANUAL

the rear in the center of the 14-foot or 16-foot width or an alternate light bar attachment with a right and left-mounted flashing or rotating amber or yellow light mounted on the rear of the towed unit; the lights on the bar must be located a minimum of eight feet above the roadway; the flashing or rotating amber or yellow lights must be of sufficient size to be seen at a distance of not less than 800 feet.

An escort vehicle is required to the front of the towing unit in the moving of all 14- and 16-foot-wide manufactured housing on the State Highway System when a permit is required for the movement. This provision does not apply to manufactured housing in compliance with the lighting requirements listed above for vehicles moving on the National System of Interstate or Defense Highways or upon four-lane divided State Highways.

OVERSIZE LOAD signs are not to be displayed on the escort vehicle when not escorting a manufactured housing. Flashing or rotating lights are not to be in operation on the escort vehicle when not escorting a manufactured housing.

The towing vehicle and manufactured housing may not exceed 16 feet in width excluding approved safety devices on the towing vehicle, nor shall the maximum out-to-out tire width of the manufactured housing exceed 120 inches. All appurtenances extending or protruding beyond the body of a 10-, 12-, 14-, or 16-foot-wide mobile home or modular manufactured housing must be removed.

(k) Annual, Extended, And/Or Other Permits

Continuous operation permits

Continuous operation permits may be issued for the frequent or repeated movement of a vehicle or combination of vehicles, with or without loads, within an area or on designated highways approved by the Department for a designated time period not to exceed one year.

A continuous permit may be issued in 90-day increments with the total not to exceed one year. The Department may limit the length of time when an overweight continuous permit is valid to assure against undue damage to the road foundations, surface or structures.

Permittees assume the risk of loss to the vehicle or its load and are liable for any damages that result to overhead obstructions from operation of a vehicle exceeding 12 feet 6 inches in height.

Permittees must be aware of construction zones with width restrictions and not enter those zones with allowable widths less than those permitted by the permit.

Continuous statewide permit

A Continuous Statewide Permit may be issued for movement on all highways on the State and National system for a specific vehicle or combination of vehicles, with or without a load that meets the following conditions:

- The overall width of the vehicle and empty semitrailer or the semitrailer and load may not exceed 10 feet, with the load being the extreme dimension;
- The overall height may not exceed 15 feet;
- The length of a single empty semitrailer may not exceed 60 feet;
- The length of a single semi-trailer with load may not exceed the legal length of 53 feet;
- Triple axle groups are the maximum allowed;
- A single axle, either alone or in an axle group, may not exceed 20,000 pounds; and
- Any tandem or triple axle group and gross weight may exceed the legal axle group and gross legal weight by 10 percent.

The Department will determine the maximum allowable permitted gross weight of the vehicle or combination of vehicles based on the axle groups and axle spacing.

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Continuous local permit

A continuous local permit may be issued for movement on all highways on the state system within the county in which the vehicle is licensed or the applicant maintains a headquarters or satellite office and for movement within an adjoining county and return to headquarters or satellite office for a specific tractor or tractor and semitrailer hauling or towing a specific overweight and/or overdimensional load or machine that meets the following conditions:

- The overall width may not exceed 14 feet with the load being the extreme dimension;
- The overall height may not exceed 15 feet 6 inches;
- The overall length may not exceed 75 feet;
- Triple axle groups are the maximum allowed;
- No axle, either single or in a group of axles, may exceed 20,000 pounds; and
- The maximum allowable weight on the interior bridge or axle groups shall not exceed 25 percent of legal weight.

The Department will determine the maximum allowable permitted gross weight of the vehicle or combination of vehicles based on the axle groups and axle spacing.

Continuous local permits:

- Will only be issued for vehicles that are properly licensed in Nebraska; and
- Do not apply to self-propelled specialized mobile equipment

Local self-propelled permit

A continuous permit for self-propelled specialized mobile equipment, including self-propelled oil well servicing units, may be issued for movement on all highways on the state system within the county in which the vehicle is licensed or the applicant maintains a headquarters or satellite office and movement within an adjoining county and return to headquarters or satellite office that meets the following conditions:

- The overall width may not exceed 14 feet;
- The overall height may not exceed 15 feet 6 inches;
- The overall length may not exceed 80 feet;
- No axle, either single or in a group, may exceed 25,000 pounds;
- No tandem axle group may exceed 47,000 pounds;
- No triple axle group may exceed 60,000 pounds;
- No quad axle group may exceed 80,000 pounds;
- In no case shall the maximum gross weight exceed 94,000 pounds on a four-axle unit, 107,000 pounds on a five-axle unit and 120,000 pounds on a six-axle unit; and
- No unit with greater than six axles will be allowed under this permit.

The continuous local self-propelled permit will only be issued for vehicles that are properly licensed in Nebraska, if the vehicles are required to be licensed as motor vehicles in Nebraska.

Interstate self-propelled permit

A continuous permit for self-propelled specialized mobile equipment, including self-propelled oil well servicing units may be issued for movement statewide on the interstate system that meets the following conditions:

- The overall width may not exceed 10 feet 6 inches;

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- The overall height may not exceed 15 feet;
- The overall length may not exceed 80 feet;
- No single axle, either alone or in an axle group, may exceed 20,000 pounds; and
- No unit with greater than six axles will be allowed under this permit.

The continuous interstate self-propelled permit will only be issued for vehicles that are properly licensed in Nebraska if the vehicles are required to be licensed as motor vehicles in Nebraska.

Flotation permits

A continuous permit may be issued for movement on all highways on the state system within the county in which the vehicle is licensed or the applicant maintains a headquarters or satellite office and movement within an adjoining county and return to headquarters or satellite office for construction equipment or equipment used in agricultural land treatment, which is driven on the road provided it is equipped with flotation tires that do not exceed the following conditions:

- The overall width may not exceed 14 feet 6 inches;
- The overall height may not exceed 15 feet 6 inches;
- The vehicle is empty;
- Loadings do not exceed the limits for individual tire specifications; the individual tire sizes will be required by the Department for permit issuance and will be placed on the permit; and
- Vehicles may not have more than two axles with no single axle exceeding 55,000 pounds and the gross vehicle weight may not exceed 90,000 pounds.

The flotation continuous permit will only be issued for vehicles that are properly licensed in Nebraska if the vehicles are required to be licensed as motor vehicles in Nebraska.

Some travel restrictions may be required and listed on individual permits. All travel restrictions must be fully complied with.

Harvest permits, garbage permits, and interstate implements of husbandry permits

Harvest permits, garbage permits, and interstate implements of husbandry permits are available in Nebraska; contact the Department for more details.

(I) Sealed Containerized Cargo Permits

Nebraska does not issue sealed containerized cargo permits.

III. SUPER LOADS

In Nebraska, non-divisible loads that exceed 16 feet in width, 16 feet in height, 100 feet in length, or 160,000 pounds gross weight are considered super loads.

A super load permit application will require review and approval and bridge analysis. Review and approval may take up to five working days.

If hauling in excess of 80,000 pounds, the vehicle's registration must be appropriate to haul over 80,000 pounds. The maximum weight the state allows for an IRP cab card is 94,000 pounds.

VEHICLE SIZES & WEIGHTS MANUAL

IV. AGENCY REFERENCES

(a) Sizes and Weights

Regulatory agency

Nebraska Department of Roads
(402) 471-4567
<http://www.transportation.nebraska.gov/>

Permit agency

Same as above.

Applications for a permit may be submitted to the Nebraska Department of Roads at any of the following offices:

District One Headquarters

Lincoln
(402) 471-0850

District Two Headquarters

Omaha
(402) 595-2534

District Three Headquarters

Norfolk
(402) 370-3470

District Four Headquarters

Grand Island
(308) 385-6265

District Five Headquarters

Gering
(308) 436-6587

District Six Headquarters

North Platte
(308) 535-8031

District Seven Headquarters

McCook
(308) 345-8490

District Eight Headquarters

Ainsworth
(402) 387-2471

Super loads

Nebraska Department of Roads
(402) 471-0034
Hours: 8 a.m.-5 p.m. (Central Time)
<http://www.transportation.nebraska.gov/>

Enforcement agency

Nebraska State Patrol, Carrier Enforcement Division
(402) 471-0105
www.nsp.state.ne.us/

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Nevada must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Width:	102 in	102 in
Height:	14 ft	14 ft
Length:		
Straight Trucks	40 ft	40 ft
Truck-trailer	70 ft	
Tractor-semitrailer combinations	No limit	No limit
Tractor-twin-trailer combination	No limit	No limit
Semitrailer	53 ft	53 ft
Trailers of twin-trailer combinations	28 ft 6 in	28 ft 6 in
Auto-transporter combination	N/S	N/S
Stinger-steered	N/S	N/S
Saddlemounts (up to 3 vehicles)	97 ft	97 ft
Drawbar length	15 ft	15 ft
Weight:	On Interstate System Highways Only	On All Other State Highways
Single axle	20,000 lb	20,000 lb
Tandem axle	34,000 lb	34,000 lb
Tridem axle	42,000 lb	42,000 lb
Steering axle	600 lb/in	600 lb/in
Load per inch width of tire	500 lb/in	500 lb/in
-or-		
Gross wheel weight	N/S	N/S
Gross vehicle weight	80,000 lb (Bridge Formula applies)	80,000 lb (Bridge Formula applies)
Tolerances	N/S	N/S

VEHICLE SIZES & WEIGHTS MANUAL

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Operators of vehicles that exceed the legal size and weight limits must obtain an oversize and/or overweight permit from the Nevada Department of Transportation (DOT) prior to making any movement in Nevada. There are no exemptions from the permit requirements for overlength poles and pipes.

Permits are required when traveling on roads maintained by the Nevada DOT and axle loadings or gross weights exceed the limits.

Unless a load is a commodity, a load transported under a permit must be nonreducible in length, width, and height, including, without limitation, such items as machinery, construction equipment, fabricated units, mobile cranes, off-highway trucks or earth-moving equipment. Tractors with blades or rippers attached are considered a part of the machine and therefore are nonreducible. Other parts of the load that are integral to the load may be reloaded if the total weight of the vehicles does not exceed the limit set forth in the permit.

Single-trip permits are valid for five days and may authorize the vehicle to make a round trip over a designated route and to travel laden on one leg and unladen on the other leg of the round trip.

Vehicle combinations and loads exceeding 105 feet in length are permitted on a single-trip basis only.

A permit is required if the maximum width of the vehicle exceeds 102 inches. The Nevada DOT may issue permits for the movement of oversized loads over the state highway system and the following conditions apply:

- The movement of oversized loads up to 26 feet in width will be allowed only if the character of the road and traffic conditions will allow such movement (reduction in size of load may be necessary to accomplish the move);
- The movement of loads over 26 feet in width is allowed only for short distances normally not to exceed 10 miles; and
- The route must be surveyed by the trucking company before moving to determine where obstructions may exist and provide for their removal or adjustment.

A permit is required when the overall height exceeds 14 feet.

Permits are required when the length of a vehicle or combination exceeds 70 feet, the maximum length of a vehicle or vehicle combination exceeds 75 feet including overhang, or the overhang exceeds 10 feet regardless of length.

Annual permits are available.

Western Association of State Highway and Transportation Officials (WASHTO) permits

Eleven western states: Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Oklahoma, Oregon, Texas, Utah, and Washington have joined together allowing carriers needing oversize/overweight permits for operation on the highways of the Regional Network. Although Louisiana is not a member of WASHTO, the state participates in the program. Each member jurisdiction may issue regional permits and collect fees allowing operations in the other members' jurisdictions. Certain requirements have to be met when applying for each permit.

Permits are issued only for an "envelope" vehicle of the following non-reducible maximum dimensions:

Length:	110 ft overall
Height:	14 ft
Width:	14 ft

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Weight:	160,000 lb gross weight 21,500 lb single axle 43,000 lb tandem axle 53,000 lb per tridem (wheelbase more than 8 ft and less than 13 ft)
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The single trip permit will be valid for a period of five working days, for use by the permitted vehicle only (tractor and trailer).

More information is available from the member jurisdictions listed below:

Arizona	(602) 712-7227
Colorado	(303) 757-9201
Idaho	(208) 334-8000
Louisiana	(225) 377-7100
Montana	(406) 444-6201
Nevada	(775) 888-7070
New Mexico	(505) 827-5100
Oklahoma	(405) 522-1800
Oregon	(503) 986-3452
Texas	(512) 305-9501
Utah	(801) 965-4113
Washington	(360) 704-6340

(b) Fees

Single Trip Permit	\$25.00
Annual Multiple-Trip Permit	\$60.00

(c) Insurance Requirements

The permittee shall hold the State of Nevada harmless from any liability for injury to persons or property during movements under a special permit. The permittee will be responsible for paying the cost of repairs resulting from the oversize or overweight movement. If any damage or disturbance is done to roadway shoulders, surfacing, guideposts, marker posts, snow marker posts, signs or sign posts, bridge or bridge rail or any other highway appurtenances or highway right of ways, the permittee shall pay the repair costs immediately upon receipt of proper billing.

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(d) Permitted Vehicle Limitations

An oversized vehicle with a single-trip permit must not exceed the following maximum dimensions unless specifically approved:

	Single Trip Permits
Travel during hours of darkness or holiday hours	Width - 12 ft Height - 15 ft Length - 110 ft (or if equipped with mechanically steered rear axles, 120 ft) Overhang - 15 ft
Travel during daylight on a weekend	Width - 14 ft Height - 15 ft Length - 110 ft (or if equipped with mechanically steered rear axles, 120 ft) Overhang - 15 ft
Travel during holiday hours or on a weekend over the portion on Interstate 80 between Sparks and California border, or over the portion of Interstate 15 between Las Vegas and California border	Width - 12 ft Height - 15 ft Length - 110 ft Overhang - 15 ft

An oversized vehicle with an annual multiple-trip permit must not exceed the following maximum dimensions for travel during hours of darkness or holiday hours or on a weekend:

- Width - 12 ft
- Height - 15 ft
- Length - 110 ft (or if equipped with mechanically steered rear axles, 120 ft)
- Overhang - 15 ft

(e) Sign Requirements

All oversized vehicles must display signs, visible in the front and rear, with black letters that are at least 10 inches high with a 1 ⁵/₈-inch brushstroke on a yellow background. The signs must read OVERSIZE LOAD or OVERSIZE and may be mounted in two pieces if necessary. The signs must be neat, clean, and mounted securely.

Signs must be displayed only when necessary and removed promptly upon arrival of the vehicle at its final destination.

(f) Flags and Lighting Requirements

Flags

Warning flags at least 18 inches square and solid red or fluorescent orange in color must be placed in the following areas, as applicable:

- At each front and rear corner of the vehicle;
- If the vehicle carries a load that is wider than the vehicle:
 - At each front and rear corner of the load; and

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- At any other place on the load that is necessary to identify the maximum width of the load; and
- If the rear overhang exceeds four feet in length:
 - At the center of the overhang if the overhang does not exceed two feet in width; or
 - At each rear corner of the overhang if the overhang exceeds two feet in width.

Flags must be displayed only when necessary and removed promptly upon arrival of the vehicle at its final destination.

Lights

An oversized or overweight vehicle that travels during hours of darkness must display:

- On the extreme front of the vehicle, at least two amber, steady-burning lights which are plainly visible under normal atmospheric conditions from a distance of at least 500 feet;
- On each side of the vehicle in a location near the middle of the vehicle or toward the front of the vehicle, an amber, steady-burning light which is plainly visible under normal atmospheric conditions from a distance of at least 500 feet; and
- If the rear overhang exceeds four feet, two red, steady-burning lights which are placed in a manner to identify the maximum width of the overhang and which are plainly visible under normal atmospheric conditions from a distance of at least 500 feet.

The permittee must obtain the appropriate permit for the amber lights from the Nevada Highway Patrol.

(g) Escort/Flagperson Requirements

It is the responsibility of the permittee to ensure that pilot cars are properly equipped and that the pilot car operators are trained and briefed on their responsibilities. Pilot cars must be furnished by the permittee.

Escorts are required as follows:

Load Conditions	Escort requirements
<ul style="list-style-type: none"> ● Overhang of the load exceeds 25 ft in front of the vehicle; ● Height of the load exceeds 15 ft 6 in; ● Width of the load is exceeds 12 ft and travel is on a two- or three-lane highway; or ● Width of the load exceeds 16 ft 	One escort preceding the escorted vehicle
<ul style="list-style-type: none"> ● Overhang of the load exceeds 25 ft behind the vehicle; ● Length of the load exceeds 110 ft (or if the vehicle is equipped with mechanically steered rear axles, 120 ft); or ● Width of the load exceeds 14 ft 	One escort following the escorted vehicle
<ul style="list-style-type: none"> ● Loads wider than 17 ft on roads with two or three lanes; ● Loads wider than 19 ft on roads with four or more lanes;or ● Loads higher than 16 ft 	The Nevada DOT may require a permittee to furnish a pilot car and coordinate additional utilities escorts, and traffic control

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(h) Escort Car/Company Requirements

The operator of the pilot car (escort vehicle) must be at least 18 years old, possess a valid driver's license, and be certified by completing a current instructional course specific to flagger requirements and procedures.

A pilot car must be either a passenger car or a truck, and the vehicle must have two axles, a gross weight rating of no more than 16,000 pounds, and a width of at least 60 inches (not exceeding legal size and weight).

The pilot car operator must maintain sufficient distance from the escorted vehicle or load depending on the speed, traffic, road and weather conditions to allow for timely and safe notification of the escorted vehicle driver and other drivers to stop, slow, or pass as necessary. If an escorted vehicle is required to stop off the roadway to allow other traffic to pass, the operator of the pilot car must assist the driver of the escorted vehicle to stop the vehicle as far off the roadway as practicable and direct traffic in order to maintain safe and efficient traffic movement.

Pilot cars must be equipped with:

- A clearance pole, for a lead pilot car for a load over 15 feet 6 inches in height;
- An identification placard fixed to each side of the pilot car that is visible from 50 feet during the day and which states the name and telephone number of the individual or company providing the pilot car service;
- A standard 18-inch, two-sided STOP and SLOW sign attached to a pole five feet in length;
- A minimum of three bi-directional emergency reflective triangles and three orange road cones at least 18 inches high;
- At least one five-pound BC fire extinguisher;
- A hardhat and high-visibility safety apparel to be worn by persons whenever outside of the vehicle (the hardhat and safety apparel must meet ANSI specifications); and
- A two-way radio that is compatible with the other radios of the other pilot cars and escorted vehicle.

Escort car signs, flags, and lights

Pilot cars must display:

- Signs, visible in the front and rear, with black letters that are at least 10 inches high of 1 $\frac{5}{8}$ inch minimum stroke on a yellow background. The signs must read OVERSIZE LOAD or OVERSIZE and must be securely mounted above the roofline. The signs must be neat and clean and must be removed when not required; and
- Two flashing or rotating amber lights mounted above the roofline to either side of the OVERSIZE LOAD or OVERSIZE sign or one flashing or rotating amber light mounted above the roofline which is visible from a minimum of 500 feet in all directions.

(i) Travel Restrictions

An oversized and overweight vehicle may not travel during hours of darkness (1/2 hour before sunset until 1/2 hour after sunrise) or on a weekend (weekend means 1/2 hour after sunset on a Friday until 1/2 hour before sunrise on the immediately following Monday).

An oversized vehicle must have its head lamps illuminated whenever the vehicle is in operation.

Route limitations may be imposed due to the following:

- Impaired clearances because of low underpasses or other such obstacles;
- Old or substandard structures or structures designed to accommodate certain limited loadings;
- Load carrying capacity and conditions of subgrade, base and surface of the road;

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- Alignment and grade; and
- Seasonal weather conditions.

Holiday restrictions

An oversized and overweight vehicle may not travel during holiday hours.

Holidays in Nevada include:

New Year's Day (January 1)	Labor Day (first Monday in September)
Memorial Day (last Monday in May)	Thanksgiving Day (fourth Thursday in November)
Independence Day (July 4)	Christmas Day (December 25)

Holiday hours mean:

- If a holiday is observed on a Monday from noon until midnight on the Friday immediately preceding the holiday and from noon until midnight on the Monday on which the holiday is observed;
- If a holiday, other than Thanksgiving Day, is observed on a Tuesday, Wednesday, or Thursday, from 6 a.m. until 9 p.m. on the day of the holiday;
- If a holiday is observed on a Friday from noon until midnight on the Thursday immediately preceding the holiday and from noon until midnight on the Sunday immediately following the holiday; or
- Thanksgiving Day, the fourth Thursday in November, from noon until midnight on the Wednesday immediately preceding Thanksgiving Day and from noon until midnight on the Sunday immediately following Thanksgiving Day.

(j) Manufactured Housing Permits

The Department will review applications for permits to move manufactured homes, mobile homes or similar structures on a case-by-case basis.

A manufactured home, mobile home or similar structure that exceeds 14 feet but does not exceed 16 feet in width, including, without limitation, any appendages and roof eaves, must:

- Not exceed the maximum legal weight per axle; and
- Have tires that have a load rating equal to the manufacturer's gross vehicle weight rating.

The number of axles that support the manufactured home, mobile home or similar structure must not be less than one axle for each 6,000 pounds, the axles must be spaced to afford maximum stability, tracking and distribution of weight, and every axle must have operational brakes.

The minimum tire size to be used in the transportation of the manufactured home, mobile home or similar structure must be at least eight by 14.5 inches and 10 ply on all wheels.

Any two-way radio equipment used in the transportation of the manufactured home, mobile home or similar structure must be operated in conformance with federal regulations.

The permit is void if the length of the manufactured home, mobile home, or other structure exceeds 80 feet.

The maximum speed limit while transporting a manufactured home, mobile home or similar structure must not exceed 55 miles per hour.

The load must be kept to the right of the highway centerline at all times and must stay off shoulders except when entering or leaving the highway or when necessary to allow trailing traffic to pass on narrow or winding roads. An effort must be made to prevent congesting or slowing down traffic.

As a warning to approaching traffic, the towing vehicle must operate with the headlights turned to a low beam.

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(k) Annual, Extended, And/Or Other Permits

Annual multiple-trip permits are valid for 12 months from date of issue.

An annual multiple-trip permit may be issued for an oversized or overweight vehicle including, without limitation, special mobile equipment, if the maximum:

- Width is not more than 14 feet;
- Length does not exceed 110 feet (or, if the vehicle is equipped with one or more mechanically steered rear axles, 120 feet);
- Maximum height does not exceed 15 feet;
- Total overhang does not exceed 25 feet; and
- Gross weight and axle loading will not exceed that established by evaluation of the application based upon axle configuration and overall length.

An oversized vehicle with an annual multiple-trip permit must not exceed the following maximum dimensions for travel during hours of darkness or holiday hours or on a weekend:

- Width of 12 feet;
- Height of 15 feet;
- Length of 110 feet or, if the vehicle is equipped with one or more mechanically steered rear axles, 120 feet; and
- Overhang of 15 feet.

(l) Sealed Containerized Cargo Permits

Nevada does not have special requirements concerning containerized cargo permits.

III. SUPER LOADS

Super loads in the state of Nevada are classified as any load that exceeds 17 feet wide, 17 feet high, or 92,000 pounds.

There is no length stipulation as each load is taken on a case-by-case basis however, a pilot car will be required for all loads over 105 feet.

Each load is reviewed individually and the specifics of the permit depend on routes and axle spacings.

If the Department wants a special review, a drawing including axle spacings and weight will be required.

All information must be submitted at least one week in advance.

IV. AGENCY REFERENCES

(a) Sizes and Weights

Regulatory agency

Department of Transportation
(775) 888-7410
www.nevadadot.com/

Permit agency

Same as above.

VEHICLE SIZES & WEIGHTS MANUAL

Super loads

Nevada Department of Transportation
(775) 888-7410 or (800) 552-2127
Hours: 7:30 a.m.-4 p.m. (Pacific Time)
<http://www.nevadadot.com/>

Enforcement agency

Nevada Highway Patrol
(775) 687-5300
<http://nhp.nv.gov/>

VEHICLE SIZES & WEIGHTS MANUAL

Reserved

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of New Hampshire must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Width:	102 in	102 in
Height:	13 ft 6 in	13 ft 6 in
Length:		
Straight Trucks	45 ft	45 ft
Tractor-semitrailer combinations	N/S	N/S
Tractor-twin-trailer combination	N/S	N/S
Semitrailer	53 ft **	48 ft
Trailers of twin-trailer combinations	28 ft	28 ft (only allowed on Defense Highways or state-designated routes)
Auto-transporter combination	65 ft*	65 ft*
Stinger-steered	75 ft*	75 ft*
Special limitations or restrictions*	<p>*Exclusive of a 3-ft front and 4-ft rear overhang. ** Semitrailers over 48 ft must have no more than a maximum of 41 ft from center of kingpin to center of rear tandem on trailer or center of rearmost axle. It must also be equipped with a rear underride guard of substantial construction, consisting of a continuous lateral beam extending to within four in. of each side of the trailer, and located a maximum of 22 in. from the surface as measured with the vehicle empty and on a level surface. Only allowed on the Interstate system, or Defense Highways, or state-designated routes.</p>	
Weight:*	On Interstate System Highways Only	On All Other State Highways
Single axle	22,400 lb (18,000 lb on axles less than 10 ft apart, except 3-axle units)**	22,400 lb (18,000 lb on axles less than 10 ft apart, except 3-axle units)
Tandem axle	36,000 lb**	36,000 lb**
Steering axle	Same as single axle	Same as single axle
Load per inch width of tire -or-	Manufacturer's load rating	Manufacturer's load rating
Gross wheel weight	N/S	N/S

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	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Gross vehicle weight	80,000 lb***	80,000 lb
Tolerances	N/S	5%

*Vehicles using auxiliary power or idle reduction technology may be allowed up to an additional 550 lb in gross, axle, tandem, or bridge formula weight limits. To be eligible, the driver must prove by written certification the weight of the unit and that the idle reduction technology is fully functional. The additional weight cannot exceed 550 pounds or the certified weight, whichever is less.

**If gross weight is in excess of 73,280 lb, limited to single axle weights of 20,000 lb (17,000 lb on axles spaced 8 ft apart or less) and tandem axle weights of 34,000 lb.

***99,000 lb on I-89, I-93, and I-95.

Gross weight limits – single unit

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
3-axle units	47,500 lb or federal weight formula, whichever is greater	55,000 lb or federal weight formula, whichever is greater
4-axle units	47,500 lb or federal weight formula, whichever is greater (any tridem may not contain more than 1 retractable axle)	60,000 lb or federal weight formula, whichever is greater (any tridem may not contain more than 1 retractable axle)

Gross weight limits – combination units

Distance between extreme axles (in ft)	3-axle combination maximum gross weight*	4-axle combination maximum gross weight*
25	54,500	
26	55,500	
27	56,000	
28	57,000	60,500
29	57,500	61,500
30	58,500	62,000
31	59,000	62,500
32	60,000	63,500
33		64,000
34		64,500
35		65,500
36		66,000
37		66,500
38		67,500
39		68,000

*On interstate and federal-aid highways, single-axle weight limit shall not exceed 20,000 lb and federal weight formula should be applied to axle groupings; on other highways, single axle weight limit shall not exceed 22,400 lb.

For a combination of truck-tractor and single semitrailer with 5 or more axles and a gross weight not exceeding 73,280 pounds, the weight on single axle shall not exceed 22,400 lb and weight on tandem shall not exceed 36,000 lb.

VEHICLE SIZES & WEIGHTS MANUAL

For a combination of truck-tractor and single semitrailer equipped with 5 or more axles and a gross weight in excess of 73,280 lb, or a combination of truck-tractor and more than one trailing unit:

Total gross weight shall not exceed 80,000 lb including all law enforcement tolerances, and the overall gross weight on a group of two or more consecutive axles shall not exceed that produced by the federal weight formula. (Two consecutive sets of tandem axles may carry a gross load of 34,000 lb each provided the overall distance between the first and last axles of such consecutive sets is 36 ft or more for divisible loads only and the 80,000-lb limit is not exceeded.)

Note: Special weight limits for divisible loads only can be applied to vehicles that have been certified pursuant to RSA 266:18-d and are driven on roads other than the interstate and defense highway system. For example, a truck tractor and semitrailer with 6 or more axles can have a gross weight up to 99,000 lb. For more information on these special weight limits, call the New Hampshire Department of Safety.

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Operators of all non-divisible vehicles and loads that exceed the legal size and weight limits must obtain a permit from the Department of Transportation prior to making any movement in the State of New Hampshire. The permits will be issued for travel on highways and during seasons of the year when the movement would not be detrimental to the preservation of the highways and the traveling public.

Permits will not be issued for loads that can be reasonably reduced to legal size and/or weight, or for movements of loads along or across the state highways when such load is mounted on skids. Divisible load permits are only available for emergency overweight permit movements providing relief supplies following a Presidential declaration of emergency or major disaster.

Overlength provisions do not apply to legal vehicles transporting poles, logs, timbers or metal if the load is not readily divisible and the overhang does not interfere with steering the vehicle. Be aware, though, that there may be travel restrictions (such as daylight travel only) and/or marking requirements (such as flags or lights) to comply with. Check with the state for specific requirements.

A permit will not be issued for a 53-foot trailer unless the load on it is non-divisible and requires the extra size.

Single trip permits for overheight vehicles or loads may be issued, but a physical height survey will need to be faxed to the Department showing adequate clearances along the proposed route. No annual permits or annual supplemental permits will be issued to overheight vehicles. If overheight, a single trip permit will be needed.

Single trip permits are valid for five business days. Single trip permits will be issued to cover movement of a vehicle or load that exceeds the legal limits of either width, length, height, weight, or any combination thereof.

Applications may be made online, or through the mail using a standard paper application form, providing details for both vehicle and load. Customers subscribing to permitting services must use the approved New Hampshire form provided by them.

Permits will be issued only to the legal registered person or carrier who will actually be doing the hauling. The driver of the vehicle must have the paper permit, or an approved facsimile in his/her possession during the move.

Applications for overweight permits will not be accepted unless the vehicle has been registered for New Hampshire's legal maximum weight.

Each permit shall designate the specific routes without any load posted bridges to be traveled upon for the proposed routes and may contain special provisions. If the movement is on town roads, the applicant must obtain permission from the Selectmen, Council, Trustees or appropriate officials.

Various types of annual permits are also available.

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New England Transportation Consortium

Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont have formed the New England Transportation Consortium (NETC). One of the efforts of the NETC was to develop procedures for issuing permits for non-divisible oversize and non-divisible overweight combinations engaged in interstate travel within the five agreement states.

Under these procedures, multi-state permits may be obtained only for vehicles and loads falling within the following limits: **weight** — 108,000 pounds on five or more axle units (120,000 pounds on six or more axle units) (see a copy of the NETC provision sheet/map for axle weights and spacings); **length** — 90 feet; **height** — 13 feet 6 inches; **width** — 14 feet (additional six inches of overhang for eaves on mobile and modular home components only is permissible). To obtain a permit, contact the appropriate state permit office as described in the NETC handbook. For vehicles exceeding the above limits, individual state permits must be obtained from each state permit office.

Provisions covering signs and flags, escorts, travel restrictions, etc. accompanies the permit. For more information on all of the permit provisions under the consortium, contact the permit agency listed at the end of this state section for a copy of the NETC provision sheet/map.

(b) Fees

Each permit for either overlength, overwidth, or overheight, or any combination thereof, is \$6.

Permits for overweight vehicles and loads:

Over legal registered weight, up to 50,000 lb	\$ 5.50
50,001 to 60,000 lb	6.50
60,001 to 70,000 lb	7.50
70,001 to 80,000 lb	8.50
80,001 to 90,000 lb	9.50
90,001 to 100,000 lb	10.50
Each additional 10,000 lb or fraction thereof	2.00

Special Annual Permit — \$115 per unit.

Special Annual Permit (100-mile radius) — \$60 per unit (only if based and registered in New Hampshire).

There is no charge for Construction Season Permits (must have annual permits).

All permit fees must be paid prior to issuance. Refunds are not issued for incorrectly processed or unused permits.

(c) Insurance Requirements

The applicant will assume all responsibility for injury to persons or damage to public or private property, caused directly or indirectly, by the transportation of the vehicle or loads under the permit. Furthermore, the applicant agrees to hold the State of New Hampshire, Department of Transportation and other state agencies harmless from all suits, claims, damages or proceedings of any kind, that may occur as a direct or indirect result of the transportation of the vehicle or load.

Applicants may be required to file a bond to cover any damage to highways or bridges.

VEHICLE SIZES & WEIGHTS MANUAL

(d) Permitted Vehicle Limitations

The maximum sizes and weights allowed under permit will depend upon the routes to be traveled, and the conditions of the structures on the route. Overweight load movements may be subject to the load/axle weight criteria if the weight exceeds the limits provided at <http://tinyurl.com/NHaxleweight>.

A vehicle or combination of vehicles equipped with solid rubber tires shall not have weights more than 80 percent of those prescribed for pneumatic tires; provided, no vehicle equipped with solid rubber tires shall be operated upon a public highway, which has at any point less than one inch of rubber above the top and beyond the flange or rim.

Motor vehicles or vehicles drawn by motor vehicles when equipped with metal or other hard tires shall not have weights more than 40 percent of those permitted for pneumatic tires.

A vehicle or combination of vehicles shall not be moved or operated over any bridge or other structure on any highway if the weight of the vehicle or combination is greater than the posted capacity of the bridge or structure.

(e) Sign Requirements

Two warning signs reading OVERSIZE LOAD must be displayed during all overwidth, overlength, and overheight movements and placed on front and rear of haul vehicle and load. Warning signs must be at least seven feet long and 18 inches high with yellow background and black lettering, and made of a durable material unaffected by moisture. Letters should be at least 10 inches high with a 1.4 inch brush stroke.

Vehicles and loads exceeding a 15 feet front-end overhang should display one OVERSIZE LOAD sign on the front of the vehicle.

Vehicle and loads exceeding legal length or rear overhang should display two OVERSIZE LOAD signs. One sign should be on the rear of the overlength or overhanging part of the load; however, if the sign cannot be attached or is not legible here, then the sign should be attached to the rear of the vehicle itself. The other sign should be attached to the front of the vehicle.

(f) Flags and Lighting Requirements

Flags

Flags are only required when the load or part of the load extends four feet or more to the rear of the movement.

Red flags at least 18 inches square are required to be secured by at least one corner or mounted on a staff for all overdimensional loads to adequately mark load extremities.

Overwidth loads must have at least two and up to six flags depending on the configuration of the load mounted at the widest extremity and the corners of the load, in order to adequately mark load extremities longitudinally and laterally.

Overlength loads or loads with rear or front end overhang in excess of four feet must display one flag at the end of the overhang if less than two feet wide, and two flags if the overhang is over two feet wide.

(g) Escort/Flagperson Requirements

The applicant must furnish one escort vehicle for an overdimension load or hauling vehicle, except as follows:

- No escort is required for overall widths less than 12 feet;
- No escort vehicle is required for overlength of less than 80 feet; and
- No escort vehicle is required if the front or rear overhang is less than 15 feet with proper flags displayed.

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The applicant shall furnish a second escort vehicle for an overdimension load or hauling vehicle presenting a combination of overhang of 15 feet or more to the rear and overwidth of 12 feet or more.

Unless exempted by state police determination that weather conditions, visibility, traffic flow, or other conditions do not compromise safe movement, a state police escort will be required for the following loads and vehicles:

- The load, including hauling vehicle, is 18 feet or more in width;
- The load, including hauling vehicle, is 100 feet or more in length; or
- The load is a manufactured housing unit.

(h) Escort Car/Company Requirements

An escort vehicle the size of a compact car or larger, properly registered and inspected.

When escorting a permitted vehicle, the drivers of escort vehicles must also:

- Maintain visual and two-way radio contact with the permitted vehicle at all times;
- Operate the escort vehicle with headlights turned on in the low beam position at all times;
- When one escort is required, position the vehicle to precede a load on undivided highways and follow on divided highways;
- Yield the right-of-way for vehicles to pass at the nearest, accessible, safe location, when traffic following a permitted move has accumulated seven or more vehicles; and
- When crossing bridges on two-way highways where bridge width is 24 feet or less, stop all traffic while the load is on the bridge.

When crossing bridges on two-way highways where the bridge width is 24 feet or less, the escort vehicles must stop all traffic while the wide load is on the bridge.

Escort car signs, flags, and lights

Escort vehicles must be equipped with operating top-mounted, flashing or rotating amber light when escorting loads.

When escorting a move, the escort vehicle shall be operated with headlights turned on in the low beam position. Escort vehicles preceding oversize loads shall display an OVERSIZE LOAD warning sign affixed to the front. The escort vehicle following oversize loads shall display an OVERSIZE LOAD warning sign affixed to the rear.

OVERSIZE LOAD signs must have at least 10 inch high black letters of a 1.4 inch stroke on a yellow background, and made of durable material unaffected by moisture. The shape of the sign can be varied to fit the escort vehicle but cannot be less than five feet wide and 12 inches high.

(i) Travel Restrictions

Movement of overdimension loads are restricted by the terms of the permit as follows:

- To the specific routes designated on the permit;
- To daylight hours;
- On specific routes, as warranted by high traffic volumes caused by holidays, special scheduled events, or conflict with other moves; and
- On specific routes by unsafe highway conditions caused by insufficiency, construction activities, maintenance activities, or when loads exceed posted capacities imposed due to emergence of frost, winter thaws, or excessive rainy periods.

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Daylight hours are considered to be between ½ hour before sunrise and ½ hour after sunset. Movements must not be made if vision is obscured by fog or inclement weather, or if the pavement is unsafe for travel (primarily slippery winter conditions).

Permits are not valid on any weekend day.

Although still subject to other permit requirements, vehicles which are overweight only and which are operated at normal traffic speeds are not be restricted to time of movement. Movement of overdimension vehicles is further restricted as warranted by high traffic volumes or unsafe highway conditions which include but are not limited to high traffic volumes in connection with holiday travel, special schedules events, or conflict with other moves.

Movements shall be confined to a single traffic lane, and shall be made in such a manner that the rest of the roadway will be open at all times so that the flow of other traffic will not be obstructed unnecessarily. Also, other traffic will be given the right-of-way over the movement.

When traffic following the oversize or overweight movement has accumulated to seven cars, the permit load must yield the right-of-way for these vehicles to pass at the nearest accessible, safe location.

A 12,000- to 20,000-pound spring road ban may be imposed by District Engineers for any or all affected areas.

Any overheight vehicle or load that is greater than 15 feet in height will not be allowed to pass under any New Hampshire toll canopy.

All overlength and overheight loads greater than 110 feet in length and/or greater than 13 feet 6 inches in height will require a "Physical Route Survey" and/or a "Physical Height Survey" for all routes traveled.

Holiday restrictions

Unless otherwise specified, travel is not allowed on the following legal holidays:

New Year's Day	Labor Day
Civil Rights Day	Columbus Day
President's Day	Veteran's Day
Memorial Day	Thanksgiving Day (and day after)
Independence Day	Christmas Day

Movements under permit are allowed on Fast Day and Election Day (state).

If a holiday falls on Sunday, the following Monday may be restricted as a holiday. If a holiday falls on a Saturday, the previous Friday may be restricted as a holiday.

(j) Manufactured Housing Permits

Single trip permits may be requested for restricted movement of manufactured housing units or building components such as modular, prefabricated, pre-cut, mobile units, trusses, or panels of overall maximum dimensions including hauling unit not exceeding 14 feet or less, except for modular or mobile homes. In the case of modular or mobile units, an additional six-inch overhang for eave(s) shall be allowed, and the greater overhang shall be on the right-hand shoulder side of the highway in the direction of travel, making the maximum width 14 feet 6 inches, length 95 feet, and height 13 feet 6 inches.

Moves of manufactured housing units/building components shall be restricted to roadways featuring a minimum pavement width of 24 feet, whenever possible, from point of origin to point of delivery.

Moves are prohibited when ground surface wind velocity exceeds 25 miles per hour.

The purpose of this section is to establish additional requirements for issuance of single trip permits for movement of manufactured housing units, such as modular, prefabricated, pre-cut, and mobile units, of overall

VEHICLE SIZES & WEIGHTS MANUAL

width, including hauling unit greater than 14 feet and less than or equal to 16 feet. In the case of modular and mobile homes, an additional six-inch overhang for eave(s) shall be allowed. The greater overhang shall be on the right-hand shoulder side of the highway in the direction of travel, making a maximum width in such cases 16 feet and 6 inches.

(k) Annual, Extended, And/Or Other Permits

Annual permit

An annual permit will be issued for one specific vehicle for all types of non-divisible moves during a period of one calendar year from date of issue, provided that the combined unit of vehicle and load exceed height, weight, or length limits but do not exceed 75 feet in length, 10 feet 6 inches width, 13 feet 6 inches height, or New Hampshire legal registered weight.

On annual permits the customer moves without further communication with the permit office if within the above permit limits.

Annual permit (100-mile radius)

This permit shall be issued to cover all types of moves for a specified unit within a radius of 100 miles from the applicant's home location, and covers hauling units registered in New Hampshire only. This permit is limited to dimensions not in excess of 75 feet long, 10 feet 6 inches wide, 13 feet 6 inches high, and New Hampshire legal registered weight.

Supplemental permits

Supplemental permits may be issued for annual permit holders wishing to move a load exceeding the dimensions or weight noted on the permit.

Carriers holding Annual permits may print out copies of a two-sided permit form provided for the Department to be used as a facsimile. The applicant contacts the Permit Office by telephone after completing the form entirely. The original completed form must be carried in the cab at the time of movement.

Construction season permits

Holders of annual permits working on a state project may obtain a supplemental "Construction Season" permit at no additional charge for moves between the recognized place of business and the contract site, and between contract sites. The permit is limited to dimensions for up to 14 feet wide and gross weight of 120,000 pounds.

These permits expire at the completion of the project, or the expiration of the annual permit it supplements, whichever occurs first.

(l) Sealed Containerized Cargo Permits

New Hampshire does not have special requirements concerning containerized cargo permits.

III. SUPER LOADS

Loads in excess of 16 feet wide, 16 feet high, 90 feet long, and/or 150,000 pounds are considered to be super loads in New Hampshire.

Loads in excess of 150,000 pounds are subject to special review and a diagram showing number of axles, tires, spacings, tire width and anticipated axle weights must be provided.

Allow five to 10 days for processing. If the trip can be completed safely, the Department will issue the permit listing any applicable restrictions.

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IV. AGENCY REFERENCES

(a) Sizes and Weights

Regulatory agency

New Hampshire Department of Transportation, Permits Office
(603) 271-3734
www.nh.gov/dot/

Permit agency

Same as above and also use for Multi-State Permit information.

Super loads

New Hampshire Department of Transportation, Bureau of Highway Maintenance
(603) 271-2693
Hours: 8 a.m.-4 p.m. (Eastern Time)
www.nh.gov/dot/

Enforcement agency

Department of Safety, Division of Enforcement
(603) 223-8780
www.nh.gov/safety/

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Reserved

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I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of New Jersey must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Width:	102 in	96 in (or 102 in*)
Height:	13 ft 6 in	13 ft 6 in
Length:		
Straight Trucks	40 ft overall 50 ft when transporting items that cannot be divided	40 ft overall 50 ft when transporting items that cannot be divided
Truck-trailer combination	62 ft overall	62 ft overall
Tractor-semitrailers	No limit	No limit
Tractor-twin-trailer combinations	No limit	Only allowed on NJ Double-Trailer Truck Network
Semitrailers	53 ft**	48 ft
Trailers of twin-trailer combinations	28 ft	28 ft
Auto-transporters	65 ft, plus 3-ft front and 4-ft rear overhang	65 ft, plus 3-ft front and 4-ft rear overhang
Stinger-steered	75 ft, plus 3-ft front and 4-ft rear overhang	75 ft, plus 3-ft front and 4-ft rear overhang
Special limitations or restrictions	*Only allowed on NJ 102-in Truck Network. **Semitrailer over 48 ft must have no more than a maximum of 41 ft from kingpin to centerline of rear axle or rear axle group.	
Weight:		
Single axle	22,400 lb	22,400 lb
Tandem axle	34,000 lb	34,000 lb
Tridem axle	56,400 lb	56,400 lb
Load per inch width of tire	800 lb/in.	800 lb/in.
Gross vehicle weight	80,000 lb	80,000 lb
Tolerances	5%	5%

For the New Jersey Large Truck Routing Map, go to <http://tinyurl.com/NewJerseylargetrucks>.

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The New Jersey Truck Access Regulations, which include the New Jersey National Network Routes, the 102-Inch Truck Network Routes, and the Double-Trailer Truck Network Routes, can be found at <http://tinyurl.com/NewJersey102routes>.

New Jersey Turnpike

Size and weight limits on the Turnpike are the same as those for the Interstate and federal-aid highways. The federal bridge formula is not used.

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

No permit will be issued for a load that can be dismantled, reduced, or loaded in such a manner that the size or weight limits would not be exceeded.

New Jersey issues the following permits:

- Single trip oversize/overweight, valid for five days. A permit is required for each one-way trip of an oversize or overweight vehicle that exceeds the legal dimensions or weights.
- Code 23 single trip permit, valid for 30 days. A Code 23 permit is used for the movement of heavy construction equipment or apparatus of unusual size or weight on a “registered Code 23 trailer.” The trailers registrations must be obtained from New Jersey Motor Vehicle Commission (MVC) prior to issuance of a permit. A Code 23 permit is required for each one-way trip of an oversize or overweight vehicle that exceeds the legal dimensions or weights noted above.
- Code 23 special trailer permit, valid for the life of the trailer and valid as long as the trailer registration remains valid. This permit is used to permit the movement of an unloaded Code 23 registered trailer anywhere in the state. A permit is needed for these trailers if they exceed the legal dimensions.
- Annual ocean-borne container permits, valid for one year and not route specific.

If a vehicle is both oversize and overweight, a single-trip permit will be issued for each one-way trip. Overweight permits are not valid unless the vehicle is registered in New Jersey for the maximum registration weight.

Applications for permits can be obtained through NJDOT at <https://nj.gotpermits.com/njpass/login.asp>.

Permits issued for an overweight vehicle utilizing a trailer with a Code 23 registration is valid for 30 days.

When the height, including load, exceeds 14 feet and is being conveyed along a highway in which overhead wires are located, the permittee must notify, before the move is made, all public utility companies, county and municipal traffic engineering departments having control of overhead wires, cables, signal lights and/or bridges which cross or extend over any highways of the route of travel for the move for which a permit has been issued.

In the event the one-way trip under a single-trip permit cannot be completed due to hazardous road conditions or vehicle breakdown, a one-day extension may be granted provided the request is made to the NJDOT before the single-trip permit expires.

Single-trip permits may be revised, prior to the dates of travel, to modify the name, address, and phone number of the permit applicant, the vehicle information, or the applicant’s insurance provider and policy number. If modifications need to be made to the following prior to the dates of travel, a new permit and fees will be required:

- Vehicle height, length, and width;
- Axle configuration and weight over each axle;
- Overall gross vehicle weight;

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- Travel dates; or
- Routes of travel.

Oversize and overweight trip permits are not valid on the New Jersey Turnpike; oversize and overweight vehicles are not allowed on the New Jersey Turnpike.

(b) Fees

Permit Type	Fees
Single trip overweight	\$10 base fee, plus: <ul style="list-style-type: none"> • Any excess weight fees; • \$12 transaction fee; and • 5% service charge.
Single trip overdimensional	\$10 base fee, plus: <ul style="list-style-type: none"> • Any excess dimensional fees; • \$12 transaction fee; and • 5% service charge.
Single trip overdimensional and overweight	\$20 base fee, plus: <ul style="list-style-type: none"> • Any excess weight and dimensional fees; • \$12 transaction fee; and • 5% service charge.
Code 23	Registration fees are paid annually to MVC. No base fees or excess weight/dimensional fees applied. Only a transaction fee of \$12 plus the service charge of 5% of total permit fee (\$12.60 per permit).
Annual ocean borne container permits	\$100 base fee plus: <ul style="list-style-type: none"> • \$12 transaction fee; and • 5% service charge.

Single trip excess weight fees are as follows:

- \$5.00 per ton (or fraction thereof) over 80,000 pounds gross vehicle weight; and
- \$5.00 per ton (or fraction thereof) over the following legal axle weights:
 - 22,400 pounds on a single axle; and
 - 34,000 pounds on a tandem axle.

Note: 5% leeway is given on axle weights.

Single trip excess dimensional fees are as follows:

- \$1.00 per foot (or fraction thereof) in excess of 14 feet in width; and
- \$1.00 per foot (or fraction thereof) in excess of various lengths:
 - Trips with a house-related load, trailer or load, 70 feet; or
 - Trips with a non-house-related load, trailer or load, 64 feet.

(c) Insurance Requirements

Applicants must have a certificate of insurance on file with the Division of Motor Vehicles before a permit will be issued. Coverage must be in the following minimum amounts: \$100,000/\$300,000 public liability and \$100,000 property damage.

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(d) Permitted Vehicle Limitations

Permits will not be valid for a private utility or house-type trailer or semitrailer more than 14 feet wide operating on its own wheels. Any such vehicle must be transported on a commercial-type low-bed trailer, semitrailer or properly registered dolly wheels. The towing vehicle must be a truck, truck-tractor, or road tractor equipped with dual wheels on the drive axle and a heavy-duty towing hitch.

An overweight permit will not be valid if the gross weight of the vehicle or combination of vehicles, including load, exceeds 800 pounds per inch in width of tires on all wheels, or when the load is distributed so as to impose a weight of more than 800 pounds per inch in width of tire on any one wheel.

(e) Sign Requirements

OVERSIZE LOAD or WIDE LOAD warning signs must be at least sixfeet wide by one foot high. The black lettering must be 10 inches high on a yellow background.

Warning signs must be displayed on the front and rear of oversize vehicle combinations.

When two escort vehicles are required, a warning sign must be displayed on the front of the preceding escort vehicle and on the rear of the following escort vehicle.

When only one escort is required, a warning sign must be displayed on the rear of the rearmost vehicle in the escorted combination and on the front of the escort vehicle if it is preceding, or on the front of the lead vehicle of the escorted combination and on the rear of the escort vehicle if it is following.

(f) Flags and Lighting Requirements

Flags

Warning flags must be red in color and be at least 18 inches square.

Warning flags must be placed at the four corners of an oversize vehicle.

If the load projects beyond the sides of the vehicle, the warning flags shall be placed at the four corners of the load rather than the vehicle.

If a load projects only beyond the rear of the vehicle, two flags shall be placed on the two rear corners of the load. If the projecting load is round or some other shape without distinguishable corners, a warning flag shall be placed at the outermost extremity of the load on each side and/or to the rear of the vehicle.

Lights

Low beam headlamps and red tail lamps must be illuminated on the towing vehicle and the towed vehicle.

(g) Escort and Flagperson Requirements

Escorts are required as follows:

Dimension exceeded	Escort requirements
Width	One escort vehicle is required when the width, including load, exceeds 14 feet. Two escort vehicles are required when the width, including load, exceeds 16 feet.
Length	One escort vehicle shall be required when the length exceeds 100 feet. Two escort vehicles shall be required when the length exceeds 120 feet.

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Dimension exceeded	Escort requirements
Height	Escorts are not required; however, if the height exceeds 14 feet, and will be operated along or across a public road or highway in which overhead wires of a street railway, traction company, or electric light or power company are located, then an employee of the street railway, traction company, or electric light or power company must be present and prepared to superintend the necessary movement or change in the wires, or be prepared to make immediate repairs of the wires in case of injury or damage to the wires.

In addition to the above, an additional escort vehicle is required if the oversize vehicle or combination has been granted a waiver and is traveling during the nighttime hours of sunset to sunrise.

When one escort vehicle is required, it must precede the escorted vehicles on highways having less than four traffic lanes and must follow the escorted vehicles on highways having four or more traffic lanes. When two escort vehicles are required, one must precede the escorted vehicles and one must follow the escorted vehicles.

When three escort vehicles are required, one must precede the escorted vehicles, one must follow the escorted vehicles, and one must travel in the adjacent lane alongside the escorted vehicles on all highways having three or more lanes. When three or more highway lanes are not available, the third escort vehicle must also follow the escorted vehicles.

A preceding escort vehicle must maintain a distance of from 200 feet minimum to 500 feet maximum from the lead vehicle of the escorted combination of vehicles. A following escort vehicle must maintain a distance of from 100 feet minimum to 250 feet maximum from the rearmost vehicle of the escorted combination of vehicles.

(h) Escort Car/Company Requirements

Low beam headlamps and red tail lamps shall be illuminated on all escort vehicles.

Warning flags must be displayed on the two front corners of a preceding escort vehicle and on the two rear corners of a following escort vehicle.

When two escort vehicles are required, a warning sign must be displayed on the front of the preceding escort vehicle and on the rear of the following escort vehicle. When only one escort is required, a warning sign must be displayed on the rear of the rearmost vehicle in the escorted combination and on the front of the escort vehicle if it is preceding, or on the front of the lead vehicle of the escorted combination and on the rear of the escort vehicle if it is following.

(i) Travel Restrictions

An oversize permit is not valid for operating a vehicle or combination on any highway where clear space available for use by passing traffic is less than 10 feet, including roadway and improved shoulder.

Oversize permits are not valid for the operation of a vehicle or combination of vehicles:

- During the nighttime hours of sunset to sunrise;
- When visibility is limited to a distance of 500 feet during the daylight hours of sunrise to sunset; and
- When hazardous road conditions exist.

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Holidays

An oversize vehicle may not operate on the following holidays:

New Year's Day	Friday before Labor Day
Memorial Day	Thanksgiving Day
Friday before Memorial Day	Wednesday before Thanksgiving Day
Independence Day	Christmas Day
Labor Day	

If the holiday falls on a Sunday, operation is not permitted the following Monday. If the holiday falls on a Saturday, operation is not permitted on the preceding Friday.

Speed limits

Oversize permits are not valid for the operation of a vehicle or combination of vehicles that are incapable of being operated safely at a maximum speed of 40 miles per hour during hours when lighted lamps are required.

Overweight vehicles for which permits have been issued and which are incapable of being operated safely at a maximum speed of 40 miles per hour are prohibited from operating on highways during hours when lighted lamps are required, or when visibility is limited to a distance of less than 500 feet, or when hazardous conditions exist.

(j) Manufactured Housing Permits

A permit is not valid for the operation of a house-type trailer or semitrailer, on its own wheels, with a width of more than 14 feet, except a house-type trailer or semitrailer with an outside width of no more than 16 feet if the vehicle is a manufactured home on a transportation system that is designed in accordance with the "Manufactured Home Construction and Safety Standards."

A manufactured home with an outside width of more than 16 feet must be transported on a commercial-type low-bed trailer, semitrailer, or properly registered dolly wheels.

The towing vehicle must be a truck, truck tractor, or road tractor equipped with dual wheels on the drive axle and a heavy-duty towing hitch. If the trailer or semitrailer is not more than 10 feet wide, the towing vehicle must have a capacity of $\frac{3}{4}$ ton or more, and if the trailer or semitrailer is more than 10 feet wide, the towing vehicle capacity must be 1 $\frac{1}{2}$ tons or more.

A house-type trailer or semitrailer in excess of 12 feet in width, or its towing vehicle, must be equipped with and have in operation two sway control devices between the towing vehicle and the towed vehicle.

(k) Annual, Extended, And/Or Other Permits

New Jersey only issues annual permits for ocean borne containerized cargo. Thirty-day overweight permits are available for trailers with a Code 23 registration.

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(I) Sealed Containerized Cargo Permits

An annual ocean borne containerized cargo multiple-trip permit may be issued for a tractor semitrailer combination engaged in the transportation of sealed containers of the type commonly used for the conveyance of freight transportation in international ocean going commerce as follows:

- Sealed containers transported under an annual ocean borne containerized cargo multiple-trip permit must bear the seal of the United States Customs Service, the seal of another governmental agency, or the seal of a shipper.
- The combined gross vehicle weight of any tractor semitrailer combination, including load or content conveying sealed containers, must not exceed 90,000 pounds. The tractor semitrailer combination per-axle combined weight must not exceed 38,000 pounds for any one tandem axle unit in any tractor semitrailer combination and must not exceed 56,400 pounds for any tri-axle trailer configuration. Additionally, vehicles shall conform with the axle limitations and the maximum tire load limit. Vehicles or combinations of vehicles that exceed these weight limits may not use an annual ocean borne containerized cargo multiple-trip permit and must obtain a single-trip permit.
- The original annual ocean borne containerized cargo multiple-trip permit as issued by the NJDOT must be carried in the tractor semitrailer combination whenever the trip requires such a permit. Photocopies or other reproductions of a permit may specifically not be acceptable in lieu of the original permit. In the absence of the physical possession of the original permit, the trip will be deemed as having been made without a valid permit.
- Travel must not be on segments of routes crossing structures identified by the New Jersey Department of Transportation on a valid permit as restricted to vehicles or combinations of vehicles transporting ocean borne sealed containers described above. Information regarding the structures not accessible to these vehicles can be found on the permit, on the NJDOT's site at <http://nj.gotpermits.com> or by calling NJDOT Permits Section at (609) 530-6089. If travel over these routes cannot be avoided, a single-trip permit is required and other restrictions may apply.
- Annual ocean borne containerized cargo multiple-trip permits are not valid for the transportation of oversized or overdimensional loads.
- Making timely application for the issuance or reissuance of an annual ocean borne containerized cargo multiple-trip permit is the sole responsibility of the person(s) who desires to have or utilize such permits. The NJDOT is not responsible for mailing annual ocean borne containerized cargo multiple-trip permit renewal forms to persons whose permits are about to expire.

III. SUPER LOADS

New Jersey does not classify permitted loads into a "super load" permit category.

All permits are issued through <http://nj.gotpermits.com>.

VEHICLE SIZES & WEIGHTS MANUAL

IV. AGENCY REFERENCES

(a) Sizes and Weights

Regulatory agency

New Jersey Motor Vehicle Commission, Motor Carrier Services, Special Permits/Registrations
(609) 633-9402
www.state.nj.us/mvc

New Jersey Turnpike Authority
(732) 247-0900
www.state.nj.us/turnpike/

Permit agency

New Jersey Department of Transportation, Bureau of Freight Planning & Services
(609) 530-6089
<http://nj.gotpermits.com>

Super loads

New Jersey Department of Transportation
(609) 530-6089
<http://nj.gotpermits.com>

Enforcement agency

Department of Law and Public Safety, Division of State Police
(609) 882-2000 ext. 2238 or 2239
www.state.nj.us/lps/

VEHICLE SIZES & WEIGHTS MANUAL



I. I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of New Mexico must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate and Designated Federal-aid Highways (20-mile access)	On Other State and Supplemental Highways
Width:	102 in	102 in
Height:	14 ft	14 ft
Length:		
Straight Trucks	40 ft	40 ft
Truck-trailer	65 ft	65 ft
Tractor-semitrailer combinations	No limit with legal trailer	65 ft overall length
Tractor-twin-trailer combination	No limit with legal trailer	65 ft overall length
Semitrailer	57 ft 6 in	N/S
Trailers of twin-trailer combinations	28 ft 6 in	N/S
Special limitations or restrictions	Auto and boat transporters are considered specialized equipment and can exceed the overall length of 65 ft.	
Weight:*		
Single axle	21,600 lb	21,600 lb
Tandem axle	34,320 lb	34,320 lb
Steering axle	600 lb/in. of tire width	600 lb/in. of tire width
Load per inch width of tire	600 lb	600 lb
-or-		
Gross wheel weight	N/S	N/S
Gross vehicle weight	80,000 lb	86,400 lb
Tolerances	N/S	N/S

*The total gross weight with load limitations for any vehicle or combination of vehicles will be increased by 400 pounds if the vehicle or combination of vehicles uses idle reduction technology.

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

A special permit is required when any person proposes to move a vehicle or load that exceeds the legal size or weight limits. Permits will not be issued for vehicles or loads that can reasonably be reduced or dismantled;

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however, an applicant for a permit to operate a vehicle or combination of vehicles with a gross weight up to 96,000 pounds within six miles of a port of entry on the border with Mexico is not required to demonstrate that the load cannot be reduced.

Special permits are issued only to those persons who, as permittees, own and operate the transporting vehicle or who operate such a vehicle under a valid lease agreement. Compliance with New Mexico vehicle registration and tax requirements is mandatory prior to the issuance of a permit.

The following permits are available:

- Single trip permits are issued for single-trip, one-way movements of oversize or overweight vehicles and objects. The permits are valid for three days, unless amended, and will specify the routes to be traveled;
- Multiple-trip permits allow the movement of a particular vehicle more than once and more than one way and are valid for up to one year; and
- Continuous move special permits.

Special permits may be issued for excessive front or rear overhangs on vehicles such as, but not limited to, motor cranes, well-drilling rigs, camera-boom trucks and other similar types of equipment provided, however, that the overhang does not cause excessive axle-weight which diminishes the effectiveness of the steering axle or axles and further provided the overhang does not constitute a hazard. The department may require an escort as a condition of issuing a special permit for movement of a vehicle or load with an excessive overhang.

If a permit is requested for a height greater than 16 feet, applicants must check the desired routes for clearance of overhead structures such as traffic signals, wires, utility lines, and overpasses. A full route survey may be required. Certification from utility companies may be required if the vehicle or load exceeds 18 feet. Permittees must protect all overhead wires, structures, and property.

Permitted loads can carry more oversize objects and/or other objects within legal limits as long as the additional items do not create additional oversize situations or cause the vehicle to exceed maximum legal gross weight.

All permits for oversize or overweight movements must be carried in the vehicle or power unit at all times during the move and must be available for inspection by police officers or other officials.

Supplemental or amended permits are available to address situations that did not exist at the time of application for the original permit.

Permits are not transferable from carrier to carrier or vehicle to vehicle.

Western Association of State Highway and Transportation Officials (WASHTO) regional permits

Eleven western states: Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Oklahoma, Oregon, Texas, Utah, and Washington have joined together allowing carriers needing oversize/overweight permits for operation on the highways of the Regional Network. Although Louisiana is not a member of WASHTO, the state participates in the program. Each member jurisdiction may issue regional permits and collect fees allowing operations in the other members' jurisdictions. Certain requirements have to be met when applying for each permit.

Permits are issued only for an "envelope" vehicle of the following non-reducible maximum dimensions:

Length:	110 ft overall
Height:	14 ft
Width:	14 ft

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Weight:	160,000 lb gross weight 21,500 lb single axle 43,000 lb tandem axle 53,000 lb per tridem (wheelbase more than 8 feet and less than 13 feet)
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The single trip permit will be valid for a period of five working days, for use by the permitted vehicle only (tractor and trailer).

More information is available from the member jurisdictions listed below:

Arizona	(602) 712-7227
Colorado	(303) 757-9201
Idaho	(208) 334-8000
Louisiana	(225) 377-7100
Montana	(406) 444-6201
Nevada	(775) 888-7070
New Mexico	(505) 827-5100
Oklahoma	(405) 522-1800
Oregon	(503) 986-3452
Texas	(512) 305-9501
Utah	(801) 965-4113
Washington	(360) 704-6340

(b) Fees

Single Trip Permit — \$25, permit is valid for three days.

Multiple Trip Permit — \$250, permit is valid for a period not to exceed one year, depending upon effective dates of insurance coverage. Multiple trip permits are not issued by Ports of Entry.

Permit fees must accompany applications. No personal checks will be accepted. Cashier and certified checks, money orders, Visa®, Master Card®, Discover® or American Express® will be accepted in payment of the required fees. Payments made at Port of Entry must be cash or credit card.

(c) Insurance Requirements

Any person applying for any special permit must submit to the Department proof of meeting the financial responsibility requirements of New Mexico's statutes.

If a private carrier, the applicant must file with the department's Santa Fe office a printed or typed certificate of insurance issued by an insurance carrier which is duly authorized to transact business in New Mexico. The certificate must show satisfactory evidence of the following minimum coverage:

- Bodily injury liability of \$50,000 for each person and \$100,000 for each accident; and
- property damage liability of \$25,000 for each accident.

The insurance certificate must identify:

- The vehicle(s) covered by year, make, type, capacity, license number and serial number or that the vehicle is included under an all owned, non-owned and hired vehicle clause;

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- The effective dates of coverage; and
- The name and address of the insured.

If a for-hire carrier, the applicant must submit a copy of the applicant's certificate of insurance or other acceptable evidence showing that the certification, operating authority and insurance requirements of the New Mexico state corporation commission or public regulation commission have been met.

The applicant, whether a private carrier or a for-hire carrier, must notify the department in writing of any material change or cancellation of insurance coverage at least 10 days prior to the effective date of such change or cancellation.

If requested by the Department or a municipality, before any permit will be issued, the applicant must deposit with the Department or municipality a surety bond, cash equivalent, or other security satisfactory to the Department or municipality sufficient to cover any damages anticipated to road surfaces, bridges, or other appurtenances which may be caused by the proposed move. The amount of security will be determined by the Department or municipality following analysis of the proposed move and structures along its route.

The permittee assumes all responsibility for injury to persons or damage to public or private property, including injury to the driver or damage to the driver's property, or to the object being transported, caused directly or indirectly by the movement of vehicles, or vehicles and objects authorized under the special permit.

(d) Permitted Vehicle Limitations

A single trip permit will not be issued for any vehicle, combination or load that exceeds:

- Width of 12 feet measured at the widest point;
- Height of 14 feet 6 inches measured at the highest point;
- Length of 90 feet measured from the foremost point to the rearmost point; or
- Weight of 120,000 pounds.

Special permits may be issued for vehicles, combinations, or loads that exceed a height of 14 feet, provided the substitution of a different type of trailer would not make the vehicle or load 14 feet or less in height.

Towing units, except those used to move manufactured homes, must have an overall wheelbase of at least 99 inches and must be of sufficient capacity that transporting or pulling of the oversize or overweight load will not create any unnecessary hazard to the public.

Special permits may be issued for the movement of objects that cannot be readily disassembled or dismantled and that exceed 65 feet in length. Single units, including front and rear overhang, may not exceed 40 feet in length, except by special permit. A combination, including front and rear overhang, may not exceed 65 feet in length, except by special permit.

Overlength special permits will be denied when:

- Pipe, when welded together, is in excess of 80 feet in length; and
- Crane or tower booms, when bolted or pinned, are in excess of 40 feet.

(e) Sign Requirements

The appropriate oversize load signs must be properly affixed on both the front and the rear of the permitted vehicle. The OVERWIDTH, OVERHEIGHT, OVERLENGTH, or OVERSIZE LOAD signs must be at least five feet wide by 12 inches high. An OVERSIZE sign may be used to designate overwidth, overlength, or overheight loads. The lettering must be black, one inch wide by 10 inches high. The background of the sign must be bright yellow.

Overwidth loads must display either OVERWIDTH or OVERSIZE LOAD signs.

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(f) Flags and Lighting Requirements

A permitted vehicle or load must be properly flagged at all times. "Properly flagged" means that flags colored red, fluorescent red, or fluorescent orange and that are no less than 18 inches on any side are affixed to the vehicle or load.

Flags must be displayed on all four corners of overwidth objects, and at the extreme ends of all projections and overhangs.

The Towing vehicles shall display flags in the same manner as escort vehicles. Towing vehicles pulling oversize loads which exceed 12 feet in width, with or without escorts, may display an amber rotating flashing beacon atop the cab of the towing vehicle.

(g) Escort/Flagperson Requirements

If an escort is required, the type of escort will be stipulated on the permit. Types of escorts are private or police. Private escorts include for-hire escorts or permittee escorts.

An intrastate movement requiring an escort that is made by a for-hire carrier must use a for-hire escort with State Corporation Commission or Public Regulation Commission authority. If the movement requiring the escort is interstate, a for-hire carrier that has been granted current authority by the Commission may use its own escort. A for-hire carrier without current Commission authority must use a for-hire escort service that has current Commission authority. It is the responsibility of the permittee to assure that the for-hire escort used in the move has current operating authority from the commission.

A private carrier may furnish its own escort vehicles and drivers for both intrastate and interstate movements.

An escort vehicle may be required for loads 8 feet 6 inches up to 14 feet in width, depending on the highways to be traveled or whether the Department determines that a load may present a hazard on certain highways. Escorts may also be required for vehicles with excessive overhang.

Escorts are required as follows:

Load Conditions and/or Highway Type	Escort Requirements
Two-lane highways, movements wider than 14 ft	Front escort
Four-lane highways, movements wider than 14 ft	Rear escort
Loads exceeding 90 ft in length	One escort
Loads exceeding 110 ft in length	Two escorts
Overweight	Number of escort vehicles will be specified by the permit
Structures 20 ft or more in width for a distance of 5 miles or more	State police escort

The escort vehicle must travel to the rear of the movement on multi-lane highways and in front of the movement on two-lane highways.

Escort(s) are required for the movement of all widths exceeding 14 feet, and may be required for widths of less than 14 feet depending upon routes to be traveled. Escorts are required for the movement of loads exceeding 13 feet 6 inches on any Group A restricted highways

- NM 2 from Roswell to Artesia;
- US 70 from Ruidoso Downs to Hondo;
- US 380 from San Antonio to Hondo;
- US 285 from Lamy Junction to Clines Corners;

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- NM 4 from 5.5 miles east of San Ysidro to NM 502;
- US 68 from Velarde to Taos;
- NM 522 from Arroyo Hondo to Questa;
- US 84 from Abiquiu to Chama;
- NM 12 from Datil to US 180 Junction; and
- US 180 from Silver City to NM 12 Junction.

Escort(s) are required for the movement of loads exceeding 12 feet in width on any of the following Group B restricted highways:

- NM 152 from Central to Hillsboro;
- US 82 from Alamogordo to Hope; and
- US 64 from Taos to Cimarron.

If continuous movement of an overwidth or overlength vehicle, combination, or load is authorized by the Department, a rear escort must be utilized for movement during non-daylight hours. Continuous movement is allowed only on interstates and four-lane divided highways.

A front escort is required during non-daylight hours for continuous movement on undivided roads and highways.

The Department may use state highway and transportation department maps, guidelines, or directives when determining if a second person or escort will be required to check all overhead clearances during the move. Any requirement for a second person or escort will be stated on the face of the special permit.

Flagperson requirements

Flagpersons must be used on all loads 20 feet wide or wider and whenever required by permit.

A flagperson may not be used in lieu of an escort vehicle, but an escort vehicle may be used in lieu of a flagperson. The flagperson must be at least 18 years old and be an employee or agent of the permittee or other private escort service.

Flagpersons must wear an orange or red safety jacket. An orange or red hard hat or bump cap is recommended but not required.

Flagpersons must be equipped with a paddle sign in the shape of a stop sign. The sign must be at least 14 inches, point-to-point and must have a red background with white letters, 1.5-inch brush stroke, with the word STOP. The reverse side must be yellow or orange background with black letters, 1.5-inch brush stroke, with the word CAUTION. The sign must be equipped with at least an eight-inch handle.

The duty of a flagperson is to dismount when movement ceases, and to direct traffic at all locations where traffic may be obstructed, or when it is necessary to infringe on oncoming traffic because of breakdown, pulling onto or off of the pavement, or avoiding obstacles in the path of the movement. The flagperson must use the paddle-sign to warn traffic of the approaching oversize vehicle.

Flagpersons must position themselves far enough in advance of a problem area so that oncoming traffic is allowed sufficient distance to reduce speed and come to a stop. Depending upon approach speed and physical conditions at the site, a distance of 200 to 300 feet is usually adequate. Flagpersons must face traffic on the edge of the shoulder of the road just outside of the traffic lane and must always stand where they are visible by approaching motorists.

When warning traffic, the paddle-sign must be kept in a horizontal position in the path of the vehicle.

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(h) Escort Car/Company Requirements

A private escort vehicle must be inspected by the Department on an annual basis. The department will issue a certificate of acceptance for the vehicle upon the satisfactory evaluation of the vehicle for a period of one year or until insurance coverage of the vehicle expires, whichever first occurs.

Escort vehicle drivers must:

- Be at least 18 years old and licensed appropriately; and
- Not wear any uniform of a color or design similar to those used by New Mexico police agencies, display a badge or emblem similar to the police, or wear a side-arm of any type while performing escort vehicle driver services.

Escort vehicles must meet the following requirements:

- The wheelbase of the vehicle must be at least 100 inches;
- Escort vehicles must not exceed a "ton & one-half capacity" as rated by the manufacturer;
- If operated by a for-hire escort service, the vehicle must display the name, address, and State Corporation Commission or Public Regulation Commission authority number on both sides of the vehicle (may be displayed using removable, magnetic signs);
- Escort vehicles must not display any sign, insignia, device, or emblem that is similar in size, shape, or color to any police insignia or badge;
- The escort vehicle in operation as an escort vehicle must not tow any trailer or vehicle, be loaded in a manner to obstruct the driver's vision to the front, side, or rear, or be loaded with any items, other than required safety equipment, that protrude beyond the front, rear, or sides of the escort vehicle;
- The escort vehicle must be registered in accordance with provisions of New Mexico motor vehicle laws and must be insured in accordance with New Mexico financial responsibility laws (unless otherwise required by law, liability insurance amounts must be at least \$50,000 for each person, \$100,000 for each accident, and must cover property damage of not less than \$25,000 for each accident; escort vehicles regulated by the state corporation commission or public regulation commission must comply with any liability insurance requirements promulgated by the commission).

The private escort vehicle and the vehicle that is transporting or hauling the oversize load must be equipped with:

- Two-way radios to provide direct communication between the vehicles;
- An outside rear view mirror on both the driver's side and the passenger's side of the vehicle;
- At least one fire extinguisher of minimum size, 2.5 pound carbon dioxide (CO₂) extinguisher or dry-chemical type, or extinguishers of other types having equivalent or better extinguishing capacities (extinguishers are to be mounted so as to be readily accessible for use); and
- The safety equipment specified in New Mexico Statutes § 66-3-849, relating to flares or other warning devices, and the equipment required for use by flagpersons.

The required equipment, the certificate of convenience and necessity that is required by the state corporation commission or public regulation commission, and any documentation of vehicle registration and insurance on the escort vehicle must be available for inspection on demand by proper authorities.

Detailed responsibilities for escort vehicle drivers can be found in New Mexico Administrative Code § 18.19.8.105 and .107.

Escort car signs, flags, and lights

The escort vehicle must be equipped with two red or fluorescent orange flags when escorting a load; flags must be square or rectangular and no less than 12 inches on any side.

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Escort vehicles must:

- Display two rotating amber flashing or strobe lights on top of the vehicle (width not to exceed eight feet). The lights must be visible at a distance of at least 1,000 feet in normal sunlight.
- Display a yellow OVERSIZE LOAD sign at least 12 inches by five feet with black letters at least 10 inches high and one inch wide when escorting any oversize or overweight vehicle. The required flags and signage must be mounted on the front bumper of a front escort vehicle, on the rear bumper of a rear escort vehicle, or on the roof of the front or rear escort vehicle, whichever position provides the greatest visibility for the motoring public.

All exterior vehicle lights must be turned on during escort operations. When stopped or slowing at a traffic hazard or when traveling at a speed less than 30 mph, the escort driver must use emergency flashers.

Lights and signs must be hooded or removed when not in use.

(i) Travel Restrictions

The movement of oversize or overweight vehicles, combinations or loads is allowed Monday through Saturday from sunrise to sunset.

Under a special permit, moves may not be made on any highway:

- Other than the highways designated by the special permit as the route of travel;
- On any bridge posted for a specific load limit which is less than the permitted load limit, unless otherwise indicated on the special permit; or
- Closed to traffic.

Movements must be confined to a single traffic lane and must not obstruct the roadway or traffic flow. The driver must allow accumulated traffic to pass.

On moves 16 feet high and over, a survey is required to check clearances along the route as the vehicle passes under overhead wires, cables, bridges or underpasses. No permit gives authority to move or interfere with any overhead object or structure. A written route survey is required on loads 16 feet high and over; written utility clearance is required for loads exceeding 18 feet in height.

Special permits may restrict movement during inclement weather. Inclement weather is defined to mean “a natural occurrence which will create dangerous driving conditions” and includes snow, ice, fog, rain, dust, or other conditions that limit visibility to less than 1,000 feet.

Movement during such inclement weather is a violation of the permit and its cause for the cancellation of the permit. Permit vehicles encountering such conditions will immediately move the load to a safe stopping place, and will clear the highway until unfavorable conditions cease to exist and movement may be resumed under safe operating conditions.

Escorted Movements — In addition to the above restrictions, escorted movements shall not be made from sunset to sunrise. Emergency movement may be authorized under certain conditions.

Continuous Movement — The department, after conducting an evaluation of road conditions, economic impact, overall motor vehicle safety and other considerations, may authorize the issuance of a special permit which allows continuous movement for dimensions or weights that exceed the legal limits. Specific permission for continuous movement shall be stated on the special permit. If continuous movement is granted, specific restrictions may be imposed to maximize the safety of the motoring public as, for example, a requirement that the extreme dimensions of the oversize load be marked with clearance lights. For the purposes of these regulations, “continuous movement” shall be defined as movement during all hours, day or night, on any day of the week, provided movement is not otherwise restricted because of weather, traffic hazards or other occurrences that may affect the safe movement of vehicles over the road. Unless otherwise allowed within the special permit, movement is prohibited on Sundays or those legal holidays determined by the provisions of MVC 7-413(A):26 and during inclement weather. Additional restrictions applicable to specific roads and highways may also apply and will be listed on the special permit.

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Holiday restrictions

Unless expressly specified on the special permit, movement is prohibited on the following legal holidays:

New Year's Day	Labor Day
Memorial Day	Thanksgiving Day
Independence Day	Christmas Day

The department may designate other holidays on which movement will also be prohibited. When any of these holidays falls on or is observed on a day other than a Monday or Saturday, movement restrictions shall run from sunset of the day preceding such holiday to sunrise of the day following such holiday. When the holiday falls on or is observed on a Monday, movement is prohibited after sunset of the preceding Saturday until sunrise on the following Tuesday unless otherwise permitted in writing by the department or unless otherwise specified on the special permit. When the holiday falls on or is observed on a Saturday, movement is prohibited after sunset of the preceding Friday until sunrise on the following Monday unless otherwise permitted in writing by the department or unless otherwise specified on the special permit.

(j) Manufactured Housing Permits

A permittee may request continuous movement for manufactured homes having a width of more than 8 feet 6 inches but not exceeding 12 feet or an overall length, including towing unit, of more than 65 feet but not exceeding 90 feet, provided that during non-daylight hours, a rear escort is required. Continuous movement is prohibited during holidays and inclement weather. Continuous movement is allowed only by a special permit issued by the Department and is not allowed under a special permit self-issued by a dealer or transporter of manufactured homes.

Continuous movement is allowed only on Interstates and four-lane divided highways. Lighting requirements for non-daylight hours must be in accordance with Federal Motor Carrier Safety Regulations, 49 CFR 393.11.

(k) Annual, Extended, And/Or Other Permits

Multiple trip

A multiple-trip permit allows the movement of a particular vehicle more than once and more than one way. The following apply to multiple-trip permits:

- Multiple-trip permits may be issued for equipment or vehicles which exceed the maximum size and weight limits established by law, provided there is no reasonable way, by reduction of division of the vehicle or combination, to meet the standards;
- Multiple-trip permits are valid up to one year and will bear a specific expiration date;
- Multiple-trip permits are issued for a particular vehicle or combination of vehicles and a particular load. The permit is not valid for any other vehicle, combination or load. Use of a multiple-trip permit by other than the vehicle for which it was issued is misuse and renders the permit void;
- Any restrictions associated with the permit, including specific routes, are an integral part of the permit and violation of such restrictions renders the permit void;
- Multiple-trip permits which include a provision for excess weight will be furnished with the locations of those structures that can and cannot be used by the unit.

Multiple-trip permits may be issued to wrecker services and for emergency situations.

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Continuous move special permit

A special permit for a continuous move will not be issued for any vehicle, combination or load that exceeds:

- Width of 12 feet measured at the widest point;
- Height of 14 feet 6 inches measured at the highest point;
- Length of 90 feet measured from the foremost point to the rearmost point; or
- Weight of 120,000 pounds.

(I) Sealed Containerized Cargo Permits

New Mexico does not have special requirements concerning sealed containerized cargo permits.

III. SUPER LOADS

There are no set height, width, or length determinations that designate a super load in New Mexico. Each load is looked at on a case-by-case basis and determination is made as to its proposed route.

Loads in excess of normal legal limits shall submit an application including sketches, axle weights and spacings to the state.

For loads 20 feet wide or more, contact State Police.

Sixteen-foot high loads need a written route survey; over 18 feet high, contact the utility company.

Loads of 190 feet long or greater and/or over, 200,000 pounds, contact the Highway Department.

One to two weeks in advance is required to process request.

IV. AGENCY REFERENCES

(a) Sizes and Weights

Regulatory agency

Motor Transportation Police Division, Oversize-Overweight Permits
(575) 476-2457/2461
www.nmmtdpolice.org/

Permit agency

Permits may be obtained at the agency listed above.

Super loads

Motor Transportation Police Division, Oversize-Overweight Permits
(575) 476-2475
www.nmmtdpolice.org/

Enforcement agency

Department of Public Safety, Motor Transportation Division, Enforcement Bureau
(575) 476-2457
www.nmmtdpolice.org/

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I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of New York must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Width:	102 in	102 in*
Height:	13 ft 6 in	13 ft 6 in
Length:		
Straight Trucks	40 ft	40 ft
Truck-trailer	65 ft	65 ft
Tractor-semitrailer combinations	Unlimited with legal trailer	65 ft
Tractor-twin-trailer combination	Unlimited with legal trailer	65 ft
Semitrailer	53 ft**	48 ft
Trailers of twin-trailer combinations	28 ½ ft	28 ½ ft
Auto-transporter combination	65 ft (plus 3-ft front and 4-ft rear overhang)	65 ft (plus 3-ft front and 4-ft rear overhang)
Stinger-steered	75 ft (plus 3-ft front and 4-ft rear overhang)	Not allowed
Special limitations or restrictions	*On qualifying and access highways or highways with truck lanes designed to be 10 ft wide or more, otherwise only allowed 96 in. **Distance from kingpin to centerline of rear axle limited to 43 ft and must be equipped with rear underride guard. (Restricted to Designated Hwy. System.) Not allowed in New York City.	
Weight: *		
Single axle	22,400 lb	22,400 lb
Tandem axle	36,000 lb	36,000 lb
Tridem axle	Based on Federal Bridge Formula	Based on Federal Bridge Formula
Steering axle	N/S	22,400 lb
Load per inch width of tire or manufacturer's tire rating, whichever is less	800 lb	May not exceed manufacturer's rating
Gross vehicle weight	N/S	11,200 lb
Gross vehicle weight	80,000 lb	80,000 lb
Tolerances	N/S	N/S

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*An additional 400 lb is allowed on the gross or axle weight for a fully-functioning idle reduction device installed on a vehicle or combination of vehicles, provided that the operator of the vehicle maintains written certification of the actual weight of the device and that it is fully functional, and provides the certification upon request to law enforcement.

Maximum weight on all axles of a single vehicle or combination of vehicles having 3 axles or more is 80,000 pounds, based on one of the following formulas:

For any vehicle or combination of vehicles having a total gross weight less than 71,000 pounds, the higher of the following shall apply:

(1) The total weight of all axles shall not exceed 34,000 pounds plus 1,000 pounds for each foot and major fraction of a foot of the distance from the center of the foremost axle to the center of the rear most axle, or

(2) The overall gross weight on a group of two or more consecutive axles shall not exceed the weight produced by application of the federal bridge weight formula:

$$W=500 \left[\frac{LN}{N-1} + 12N + 36 \right]$$

where W equals overall gross weight on any group of 2 or more consecutive axles to the nearest 500 lb, L equals distance in feet from the center of the foremost axle to the center of the rearmost axle of any group of 2 or more consecutive axles, and N equals number of axles in group under consideration, except that two consecutive sets of tandem axles may carry a gross load of 34,000 lb each providing the overall distance between the first and last axles of such consecutive sets of tandem axles is 36 ft or more.

For any vehicle or combination of vehicles having a total gross weight of 71,000 lb or greater, the federal bridge weight formula shall apply.

New York City limits

Width	96 in
Height	13½ ft
Length of single vehicle	35 ft (except articulated buses & semitrailers) 65 ft articulated buses.
Length of vehicle combination	55 ft; exception — vehicles hauling poles, girders, columns or other similar objects of great length which are indivisible may be 60 ft.
Length of Single trailer	Trailers over 48 ft up to 53 ft only allowed on I-95 between I-287 and I-295, on I-295 between I-295 and I-495, and on I-495 between I-95 and the Nassau-Queens county line; kingpin to center of rear axle or rear axle group limited to 43 ft
Weight per inch width of tire	800 lb
Wheel weight	11,200 lb
Single axle weight	22,400 lb
Tandem axle weight	36,000 lb
Gross vehicle weight	34,000 lb, plus 1,000 lb for each foot and major fraction of a foot of the distance from the center of the foremost axle to the center of the rearmost. Total weight may not exceed 80,000 lb.

See also New York City's Truck Route Map available at <http://www.nyc.gov/html/dot/downloads/pdf/truckroute2010.pdf>.

These limits do not apply to any vehicle authorized by the Federal Surface Transportation Assistance Act of 1982.

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New York State Thruway Limits

Width	102 in
Height	13½ ft
Length of single vehicle	40 ft
Single truck pulling a trailer	65 ft
Length of semitrailer	53 ft, including load
Weight:	
Single vehicle, 2-axle	44,800 lb
Gross vehicle weight	80,000 lb

A single-unit vehicle or combination vehicle with three or more axles whose total gross weight does not exceed 71,000 pounds shall not exceed the base weight of 34,000 pounds plus 1,000 pounds per foot or major fraction thereof, of the distance between the centers of the foremost and rearmost axles. (This is commonly referred to as the Bridge formula).

A single-unit vehicle or combination vehicle with three or more axles whose total gross weight exceeds 71,000 lb is governed by the formula $MGW = 500 (LN/N-1 + 12N + 36)$ where MGW = maximum gross weight (pounds), L = distance (in feet) between the centers of the foremost and rearmost axles, and N = number of axles.

Operators of all vehicles that exceed the legal dimension or weight limits are required to obtain a Special Hauling Permit. The permit is valid for one trip in one direction only, not to exceed 24 hours. Permits issued by the New York State Department of Transportation are not valid on roads outside of the Department's jurisdiction. This includes local roads, the NYS Thruway, and any road in New York City.

All vehicles in excess of 8 feet 6 inches wide require a special hauling permit. Operators of overdimensional vehicles must request pre-purchased Special Hauling Permits prior to the trip. Requests for Special Hauling Permits must be processed through TOPS system, an authorized Permit Service who has access to the new automated TOPS Program (Thruway Over-Dimensional Permit System). Any carrier with a Thruway Commercial Charge Account or a valid credit card and a TOPS Account may obtain Special Hauling Permits directly via the TOPS Program. Office hours are Monday through Friday, 8 a.m. to 4 p.m.

Fees

\$21 per trip, plus regular per mile tolls for travel on the Controlled System. \$3 per trip, plus regular toll for travel through a Fixed Toll Barrier(s) only.

The following graduated fees are also required of overweight vehicles:

80,001 - 100,000 lb	3 cents per ton mile
100,001 - 110,000 lb	5 cents per ton mile
Over 110,000 lb	8 cents per ton mile

Permit fees are payable pre- or post-trip, whereas tolls are payable at the toll station. Commercial users having charge accounts with the Thruway Authority may charge all fees to their accounts. Fees include Protective Liability Insurance for the Thruway Authority. Once issued, permits can't be cancelled.

Oversize Limits — Width: The maximum width allowed on 2-lane sections is 12 feet 6 inches; on 3-lane sections, 13 feet. On the northbound exit ramp at Harriman, Interchange 16, the maximum width allowed is 10 feet.

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Sign Requirements — Width: All overwidth vehicles must display a sign on the rear with a legend similar to one of the following: OVERSIZE VEHICLE, OVERWIDTH VEHICLE, or WIDE LOAD.

Pilot Cars — The pilot car must be New York certified escort as defined in the vehicle and traffic laws for all pilot cars. Information on pilot car certification can be found at <http://www.nypermits.org> under “Special Hauling”. A pilot car may be required: 1) if the overhang is 10 or more feet or the load consists of poles, masts, booms or similar shapes, 2) if the vehicle is a drill rig with boom, 3) if the vehicle and load exceed 12 feet in width, 4) when necessary for odd shaped vehicles or vehicles with odd shaped loads, and 5) 80 feet and over in length.

Travel may be restricted to daylight hours. All vehicles must maintain a minimum speed of 40 mph.

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Special Hauling Permits are required to move vehicles and/or loads on New York State highways if the vehicle and/or loads exceed the legal dimensions or weights specified in Section 385 of the New York State Vehicle and Traffic Law. The Department of Transportation issues different types of Special Hauling Permits as follows: Trip, Monthly, Annual, Blanket and Building Movement Permits. Additional information may be obtained from the Main Office or from any of the Regional Offices listed. A “Permit” authorizes the movement of an oversize and/or overweight vehicle for a specific time period on permissible hauling days.

Combination vehicles hauling poles, girders, columns, or similar objects of great length do not require a permit if only the legal lengths are exceeded. Width, height, weight, and trailer length must be legal.

Application may be made in person or by mail at the main office of the Department of Transportation, at a NYSDOT Regional office, online via the New York State One Stop Credentialing and Registration (OSCAR) system, or through an authorized permit service company. Payment must be made by check or money order payable to the Department of Transportation. Trip permits using state, New York City, and the MTA bridges and tunnels facilities can be ordered jointly via an authorized permit service company. A list of authorized permit service companies can be found at <http://www.nypermits.org>. Liability insurance must be in effect for the full term of any permit issued on a monthly or annual basis. Expiration of, or lack of, liability insurance automatically terminates the Permit.

The company representative or driver obtaining the permit must sign the permit before it is valid. Unsigned permits are not valid.

Operators of vehicles with a gross weight of 18,000 pounds or more must obtain a New York Highway Use Tax sticker. Call (518) 457-5735 for more information.

A valid Special Hauling or Divisible Load Overweight permit must be carried in the hauling vehicle to which it applies and shall be displayed to any police officer or Department of Transportation employee upon request.

(b) Fees

Single Trip Permit	\$40.00
Blanket Permit - Monthly	\$60.00
Blanket Permit - Annual	\$360.00 per year
Emergency Blanket Permit - Annual	\$360.00 per year
Superload Trip Permit	\$40.00
25-Mile Air Radius Permit - Monthly	\$60.00
Overweight Divisible Load Permit —	Fee varies according to the type of permit desired.

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(c) Insurance Requirements

Non-divisible load and divisible load permit holders and applicants must hold the following liability coverage:

- \$750,000 for bodily injury to or death of one or more persons in any one accident and \$250,000 for injury to or destruction of property in any one accident; or
- \$1,000,000 combined single limit for any one accident.

Bond requirements

Minimum of \$10,000 Surety Bond - on file with New York State Department of Transportation prior to issuance of Special Hauling Permit (exact amount to be determined at time of application).

- 16 feet wide and greater.
- 16 feet high or greater.
- 200,000 pounds and greater.
- 160 feet long or greater.

Workers compensation requirements

Permits applicants must certify worker's compensation status when filling out any online form. This applies to both New York-based carriers and out-of-state carriers. The New York State Worker's Compensation Board must make an official determination for a carrier to be exempt. Carriers are required to retain proof of required coverage in the event of an audit. For more information, call the Worker's Compensation Board at (877) 632-4996.

(d) Permitted Vehicle Limitations

Types of permits

Single Trip Permits — A trip permit authorizing the movement of an oversize and/or overweight vehicle from one specific place to another may be obtained. Movement must be over an approved route and must be completed within 5 permissible hauling days. A "round trip" authorizes the movement of the vehicle from one point to another and return via the same route, either hauling the same load or unladen. A three-way movement of an oversize and/or overweight vehicle requires payment of two permit fees. Only one round trip per permit.

25-Mile Radius Permit — A 25-Mile Air Radius Permit authorizes movements of specified vehicles or loads for a period of either monthly or annually, within a 25 air mile radius of the municipality in which the business is located. Contractors and trucking concerns may obtain an additional permit authorizing movements of specified vehicles or loads within a 25 air mile radius of limits of a specific construction project. This permit authorizes:

- A maximum gross weight of 116,000 pounds for a five-axle (or more) vehicle with a minimum wheel base of 36 feet;
- A maximum gross weight of 112,000 pounds for a four-axle vehicle which consists of two steering axles with a minimum wheel base of 28 feet;
- A maximum gross weight of 80,000 pounds for a four-axle vehicle which consists of a steering axle with a minimum wheel base of 22 feet;
- A maximum gross weight of 73,280 pounds for a three-axle vehicle with a minimum wheel base of 17 feet;
- A tandem axle grouping limited to 56,000 pounds and any tridem grouping limited to 60,000 pounds.

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- The maximum width limit of 12 feet, maximum length of 79 feet 11 inches long, and the legal height.
- A maximum length of 85 feet may be issued for specific vehicles on selected approved routes. The permit is valid for a minimum of one month up to a maximum of one year. The permit is issued for vehicles of dealers and transporters of manufactured homes, contractors and trucking concerns.

100-Mile Air Radius Permit — A 100-Mile Air Radius Permit authorizes movements of specified vehicles or loads for a period of either monthly or annually, within a 100 air mile radius of the boundaries of the municipality in which the business of the applicant is located. This permit authorizes a maximum gross weight not to exceed 135 percent of the legal gross weight and 125 percent of the axle grouping weights. The maximum limits of a 100-air mile permit are a width of 12 feet, a length of 79 feet 11 inches, and legal height. A maximum length of 85 feet may be issued for specific vehicles on selected approved routes.

The permit is valid for a minimum of one month up to a maximum of one year. The permit is issued for vehicles of dealers and transporters of manufactured homes, contractors and trucking concerns.

Blanket Permit — A Blanket Permit authorizes movements of specified vehicles or loads at weights not to exceed 125 percent of the legal weight, including axle and grouping weights; at a length not to exceed 79 feet 11 inches; at a width not to exceed 10 feet; at a height not to exceed 13 feet 6 inches; and a maximum gross weight of 100,000 pounds. Such permit shall be valid for use only on highways of 20 or more feet of pavement width. The blanket permit shall be issued for a period of one month up to one year.

Permits are issued for vehicles of dealers, manufacturers and transporters of manufactured homes, truckers, contractors and others.

Emergency Blanket Permit — An Emergency Blanket Permit is a permit available to transporters of equipment required to meet emergency conditions. It authorizes all emergency movements, at any time, of specified vehicles or load, limited to 116,000 pounds gross weight for a 5 axle (or more) vehicle with a minimum wheel base of 36 feet; a maximum gross weight of 112,000 pounds for a 4 axle vehicle which consists of 2 steering axles with a minimum wheel base of 28 feet; a maximum gross weight of 80,000 pounds for a 4 axle vehicle which consists of a steering axle with a minimum wheel base of 22 feet; a maximum gross weight of 73,280 pounds for a 3 axle vehicle with a minimum wheel base of 17 feet; and any tandem axle grouping limited to 56,000 pounds and any triaxle grouping limited to 60,000 pounds. The permit is valid on state highways 20 feet or more in minimum pavement width. The duration of the emergency blanket permit is one month up to one year.

Note: The following vehicles require structural analyses, therefore, permittees should anticipate a delay when applying for all self-propelled vehicles (cranes, drill rigs, etc.) or a combination of vehicles (tractor-trailers) exceeding 140,000 pounds.

Special Vehicle Combination Permit — A Special Vehicle Combination Permit authorizes movement on State highways of:

- Two or three vehicle combinations, consisting of a tractor semitrailer or tractor semitrailer and trailer for specifically transporting steel, not to exceed length, height and width as prescribed by the Vehicle and Traffic Law and up to 140,000 pounds maximum gross vehicle weight limited to approved routes listed on the permit in Erie County, City of Niagara Falls in Niagara County and the City of Dunkirk in Chautauqua County. Permits will only cover the transportation over approved routes or to or from Pennsylvania and Canada.
- Stinger-steered automobile transporters not to exceed 75 feet, not including a bumper overhang of not more than a total of seven feet, exclusive of an overhang of not more than three feet on the front and four feet on the rear of the vehicle and within 14 feet 6 inches in height, within width and weight limits indicated in the Vehicle and Traffic Law. Limited to approved routes as indicated on the permit, not to exceed seven miles from the State Border, for the purpose of transporting vehicles to a distribution center.

A special vehicle combination permit is valid for up to one year.

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Roadwork Vehicle Permit — is a permit for a vehicle meeting one of the following three configurations. With respect to each configuration, the maximum axle or class weight limit shall be the lesser of the manufacturers' rating or the weight specified below.

- **Roadwork Vehicle 1** — a twin steer four-axle single unit vehicle with minimum wheelbase of 21 feet; minimum spacing between each axle of the tandem group of 48 inches; maximum GVW of 68,000 pounds; maximum tandem weight of 36,000 pounds; and each rear axle must have four tires. All axles must be fixed.
- **Roadwork Vehicle 2** — is a six-axle combination vehicle with a minimum wheelbase of 51 feet; minimum distance between axle groupings of 26 feet; minimum spacing between axles of any group of 48 inches; maximum steering axle weight limited to 15,000 pounds; each individual single axle limited to 18,000 pounds; maximum tandem grouping weight of 36,000 pounds; and maximum triaxle grouping weight of 42,500 pounds. Maximum GVW limited to 86,000 pounds.
- **Roadwork Vehicle 3** — is a seven-axle combination vehicle with a minimum wheelbase of 51 feet; minimum distance between axle grouping of 26 feet; minimum spacing between axles of any group of 48 inches; maximum steering axle weight limited to 15,000 pounds; each individual single axle limited to 18,000 pounds; maximum tandem group weight of 36,000 pounds; and maximum triaxle grouping weight of 42,500 pounds. Maximum GVW limited to 91,000 pounds.

Other special permits — Other special permits available are building moving permits, overweight-radioactive material permits, and oversize farm or snowplow equipment permits. Check with the Department of Transportation for details on any of these permits.

Divisible Load Weight Permit — This permit allows a vehicle to carry a divisible load that exceeds the legal weight limits. The overall legal size dimensions cannot be exceeded under this permit. Generally, the length of the semitrailer is limited to 48 feet on qualifying and access highways; however, certain divisible load permits will allow the trailer's length to be up to 53 feet on all state highways (other than those in New York City). Permitted power units must be NY State registered or show New York as an apportioned state at the maximum gross weight for which they are permitted. The permit weight cannot exceed the vehicle registered weight or the manufacturer's recommended axle weights or gross weight.

For further information on divisible load weight permits contact the NYS DOT Permit Unit.

Overweight

The maximum weight that can be hauled under a Divisible Load Weight Permit varies, depending on the vehicle configuration and the type of permit desired. The maximum allowed generally runs 25 percent over legal weight. Contact the NYS Department of Transportation for complete information.

(e) Sign Requirements

OVERSIZE LOAD signs shall be seven feet wide and 18 inches high and made of durable material such as wood, steel, aluminum or of a flexible material that is securely fastened to the vehicle. Lettering must be black, Series D-type lettering, 10 inches high, on a highway yellow background.

Warning signs must be attached to the front and rear of the vehicle.

(f) Flags and Lighting Requirements

Flags

Flags must be red or orange fluorescent and measure 18 by 18 inches on all corners at the extremities of the load or trailer.

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Lights

One amber revolving light shall be located on top of the towing vehicle. The revolving warning lamp shall be at least six but no more than nine inches in diameter. The lamp shall consist of a lamp with an amber lens and not an uncolored lens with an amber bulb. No inscription shall appear across the face of the lens. Such lamp shall not be of a spotlight type, not be equipped with a magnifying lens. Such lamp shall be of such design and construction as will provide a visible signal, under normal conditions, from a point at least 1,000 feet distance.

(g) Escort/Flagperson Requirements

Escorts are required as follows:

- A front escort vehicle will be required for travel on all two-lane highways when vehicle/load is 12 feet wide or greater, and/or 80 feet long or greater and/or height greater than 14 feet, or where the overhang is greater than 10 feet. For overheight vehicles, the front escort must be equipped with a height pole which is 3 inches higher than the overall height of the permitted vehicle/load.
- A rear escort vehicle is required for travel on highways of more than two-lanes when vehicle/load is 12 feet wide or greater, 80 feet long or greater, or if the vehicle is a slow moving vehicle, or bridge speed restrictions are required, or where the overhang is greater than 10 feet.
- Two escort vehicles are required for travel whenever the vehicle/load meets the criteria above and dictates a front and rear escort.
- Three escort vehicles (two front, one rear) are required for travel whenever the vehicle/load is over 16 feet wide on two-lane highways, 18 feet wide or greater on four-lane highways, or 100 feet long or greater on two-lane highways, 160 feet long or greater on four-lane highways. If the vehicle/load is 160 feet long or greater and is traveling only on interstate highways, only two escorts will be required.
- Each oversize/overweight vehicle/load requires its own escort vehicle(s) when escort is required. Escort vehicles must maintain adequate distance in front or/behind the unit (approximately 1,000 feet) to warn motorists of the oversize load. For escort vehicles that are required to have a height pole, the distance in front of the permitted load shall be 3,000 feet to allow for adequate stopping distance.
- All escort vehicle drivers and the oversize load driver must be in constant communications at all times.

No escort vehicles are required for oversized loads less than 12 feet wide, 80 feet long and 13 feet 6 inches high. However, if the vehicle is a slow moving vehicle, or bridge speed restrictions are required or where the overhang is greater than 10 feet then escorts will be required.

Escorts are required as follows:

Width	Requirements
12 ft 1 in. to 13 ft 11 in.	<ul style="list-style-type: none"> • Certified Escort Vehicle to precede on two lane highways. • Certified Escort Vehicle to follow on highways of more than two lanes. • Certified Escort Vehicle shall display warning signs, operational barlight on roof, headlights and other external lights shall be turned on.
14 ft to 15 ft 11 in.	<ul style="list-style-type: none"> • Certified Escort Vehicle to precede on two lane highways. • Certified Escort Vehicle to follow on highways of more than two lanes. • Certified Escort Vehicle shall display warning signs, operational barlight on roof, headlights and other external lights shall be turned on. <p>No travel Business Districts between 7 to 9 a.m. and 4 to 6 p.m.</p>
14 ft 1 in. or greater	<ul style="list-style-type: none"> • Front and rear certified escort vehicles on all routes for mobile/modular homes or modular building units. • Route survey required for a mobile/manufactured homes or modular building units.

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Width	Requirements
16 ft	<ul style="list-style-type: none"> • Front and rear Certified Escort Vehicles on all routes. • Route Survey required.
Over 16 ft	<ul style="list-style-type: none"> • In addition to the above, a third Certified Escort Vehicle to precede on two-lane highways.
18 ft or greater	<ul style="list-style-type: none"> • In addition to the above, a third Certified Escort Vehicle to follow on fourlane highways.

Length	Requirements
80 ft to 89 ft 11 in.	<ul style="list-style-type: none"> • Certified Escort Vehicle to precede on two lane highways. • Certified Escort Vehicle to follow on highways of more than two lanes. • Certified Escort Vehicle shall display warning signs, operational barlight on roof, headlights and other external lights shall be turned on.
90 ft to 99 ft 11 in.	<ul style="list-style-type: none"> • Certified Escort Vehicle to precede on two lane highways. • Certified Escort Vehicle to follow on highways of more than two lanes. • Certified Escort Vehicle shall display warning signs, operational barlight on roof, headlights and other external lights shall be turned on. <p>No travel Business Districts between 7 to 9 a.m. and 4 to 6 p.m.</p>
100 ft or greater	<ul style="list-style-type: none"> • No travel New York State between 7 to 9 a.m. and 4 to 6 p.m. • Three Certified Escort Vehicles on two-lane highways, two front, one rear. • Front and rear Certified Escort Vehicles on highways of more than two lanes. • Route Survey required.
160 ft or greater	Three Certified Escort Vehicles on multi-lane highways unless travelling on interstate highways only, then two Certified Escort Vehicles will be required.

Height	Requirements
14 ft and over	<ul style="list-style-type: none"> • Certified Escort Vehicle to precede with height pole. • Certified Escort Vehicle shall display warning signs, operational bar light on roof, headlights and other external lights shall be turned on. • No travel in Business districts between 7 to 9 a.m. and 4 to 6 p.m. • Route Survey required.
15 ft and over	No travel in New York state between 7 to 9 a.m. and 4 to 6 p.m.

Police escorts may be required as follows:

- Whenever a vehicle/load must cross the centerline of a bridge, police escort is needed for bridge crossing only.
- Width of vehicle/load is greater than 16 feet on all highways.
- Vehicle/load length is greater than 160 feet on all highways.
- Vehicle/load height is 16 feet or greater.
- Vehicle/load exceeds 200,000 pounds.
- All night moves.

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Flagpersons

When necessary to post a flag person(s) in order to warn and direct approaching traffic, each flag person must be wearing a fluorescent orange vest with appropriate identification (See Appendix B-1 of the NYS Certified Escort Manual) on the left lapel of the vest and be equipped with a paddle reading STOP in white letters with red background. Flag person(s) may not be less than 21 years of age and capable of carrying out flagging responsibilities. The flag person shall be a Certified Escort Driver.

(h) Escort Car/Company Requirements

Escort vehicles shall have a minimum wheelbase of at least 100 inches unless otherwise authorized by the Department of Transportation.

Wherever escort vehicles are required, the following equipment is needed for each escort vehicle.

- a. The escort vehicle shall be in safe operating condition and capable of displaying signs and other warning devices as prescribed.
- b. All exterior vehicle lights must be turned on during escort operations.
- c. A two-way radio that meets Federal Communication Commission standards is required in each escort vehicle.
- d. A cellular telephone is required in either the escort vehicle or the permitted load vehicle.
- e. Three emergency triangles and/or flares.
- f. Three emergency flares for permitted night moves.
- g. A fluorescent orange vest with certified escort insignia on left chest of vest.
- h. A stop paddle.
- i. Two 18 inch by 18 inch red or fluorescent orange fluorescent flags on staffs.
- j. A class 5BC or larger rated fire extinguisher.
- k. Every front escort shall have a measuring device attached to the vehicle when escorting an overheight load. If two front escorts are required, only one escort is required to have such a measuring device.

Route surveys are required for vehicles/loads exceeding 13 feet 11 inches high, 100 feet long, and 16 feet wide. Route surveys must be physically performed by New York State-certified escorts. In conducting the survey, the escort shall assure that sufficient clearance of all physical objects along the route(s) exists for the movement(s) to be made and the roadway or bridge limits are not exceeded. With respect to height clearance, the survey shall guarantee that no portion of the movement shall be within three inches of any overhead object if the vehicle/load is 12 feet wide or less, and within six feet of any overhead object if the vehicle is over 12 feet wide.

Escort certification

In order to qualify as a certified escort, applicants must:

- Be 21 years old;
- Have a valid New York State driver license or valid license in the state or jurisdiction in which he/she is a resident (those out of state drivers who do not have current New York State driving privileges are not eligible for escort certification);
- Comply with all terms, conditions, requirements and/or regulations set forth by the permitting agency in the State of New York; and
- Pass the New York State Escort Drivers Certification Test and score 70 percent or higher.

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For certified escorts with a New York State driver's license, the Escort Driver Certificate will expire at the expiration date of the driver license. If a certified escort has a driver license from another state, the certificate will be valid for four years from the date it is issued.

The New York Certified Escort Manual can be found at <https://www.dot.ny.gov/nypermits/repository/escort.pdf>.

(i) Travel Restrictions

A "permissible hauling day" is any normal working day, Monday through Friday, during the daylight hours between one-half hour before sunrise and one-half hour after sunset when weather conditions are favorable. No movements are allowed at night (between the hours of one-half hour after sunset and one-half hour before sunrise), or on Saturdays or Sundays.

Overdimensional and overweight moves that are within 12 feet in width, 85 feet in length, legal height, and which can maintain traffic flow speed are allowed to move from one-half hour before sunrise until noon on Saturday unless such Saturday falls on a holiday set forth above. Overweight moves that are not overdimensional, are within 125 percent of legal weight, and that can maintain traffic flow speed, are not restricted as to days and times of travel.

Holiday restrictions

Movements are not allowed on the following holidays:

New Years Day	Labor Day
Memorial Day	Thanksgiving Day
Independence Day	Christmas Day

Travel is also prohibited after noon on the day preceding Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

(j) Manufactured Housing Permits

A minimum of a \$25,000 bond is required on file for the following:

- House or building moves greater than 14 feet wide.
- Manufactured Housing greater than 14 feet wide.

Modular units over 12 feet wide shall be drawn on a flatbed or similar trailer.

Routes over which manufactured houses and modular units travel must be approved. Travel may be restricted on certain routes or segments of routes and the movement may be routed over other than the most direct route in the interest of increased safety or reduced congestion.

Movement of manufactured houses and modular units more than 14 feet up to 16 feet wide will be permitted only under a Special Permit and with a \$25,000 load, except that attachments such as door knobs and running lights may extend the width by an additional three inches on each side.

Height — Maximum height will be bridge clearance -6 inches. For movements greater than 13 feet 9 inches in height, a survey of height clearances is required. The maximum height of any permitted mobile home or modular building unit shall be 14 feet 6 inches.

Length — Maximum length allowed will vary according to conditions. Maximum length of the home is 80 feet.

The Department of Transportation, in cooperation with the State Police, will allow manufactured houses (mobile homes) manufactured prior to 2003, with properly applied for permits, to exceed the tire weight rating by up to 150 percent (modular homes are not included under these conditions).

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All manufactured housing trip permits which are *within* tire rating will be classified as a Type 1 permit, whereas, all manufactured housing trip permits which *exceed* tire rating will be classified as a Type 17 permit. Please check with the New York DOT's permit unit for Type 1 and Type 17 permit requirements.

Towing Vehicle — The minimum length of the towing vehicle shall be ten feet, measured from the front bumper to the center of the connecting hitch of the towing vehicle. All towing vehicles must have breakaway devices as prescribed by Section 393.43 of Title 49, Code of Federal Regulations. Every towing vehicle shall have dual wheels on the drive axle.

Lighting on the towing vehicle must be in conformance with the NY Code of Rules and Regulations regarding warning lamp requirements:

- Towing vehicle must have a minimum of one amber revolving light on top of the vehicle.
- Towing vehicle's exterior lights must be operational and lit when moving a permitted load.

The class of the towing vehicle is determined by the size of the mobile/modular unit being towed, as follows:

- 10 ft wide – $\frac{3}{4}$ ton truck
- 12 ft wide – one- $\frac{1}{2}$ ton truck
- 14 ft wide – two-ton truck
- 16 ft wide – Manufacturer's minimum GVWR of 25,000 lb

No farm tractor or a vehicle commonly referred to as a tow truck, may be used to tow a mobile or manufactured house section upon the highways of New York. However, a tow truck may be used to remove a disabled vehicle/load from the highway. All requirements of the New York State Vehicle and Traffic Law shall apply to the tow truck operation.

(k) Annual, Extended, And/Or Other Permits

New York issues blanket permits and other types of permits as described above.

(l) Sealed Containerized Cargo Permits

A sealed container permit authorizes the movement of a sealed shipping container at weights exceeding legal weight.

Permits may be issued on a trip, monthly, or annual basis.

A "round trip" authorizes the movement of an oversize and/or overweight vehicle from one specific place to another and return hauling the same load or unladen (for trip permits only). A sealed containerized load is a freight container as defined by the International Standards Organization, Series 1, Freight Containers – Classification, dimensions, and ratings, ISO668-1998[E].

The limits are as follows:

- 8 feet 6 inches wide;
- 65 feet long (if traveling on exclusively qualifying & access highways there is no maximum length; however, trailer cannot exceed 53 feet);
- 13 feet 6 inches high; and
- 125 percent of legal gross weight, or a maximum gross weight of 100,000 pounds.

Permits are valid for five permissible hauling days (trip permit) or a minimum of one month up to a maximum of one year.

An active trip permit can be amended for the following reasons:

- Power unit VIN or license plate (cannot amend VIN# on a monthly/annual permit);
- Trailer unit license plate (or to add additional trailers);

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- Dates of movement – can be extended one time up to an additional five permissible hauling days;
- Permits cannot be revised to an earlier date (trip permits only);
- Gross weight;
- Any dimensions;
- Axle weights and/or spacings;
- Routes (trip permits only); and
- Origin or destination – cannot amend both (trip permits only).

A trip permit cannot be amended for the following:

- To alter the load description, including revising the year, make, model or serial number;
- Change permit type; or
- Motor carrier name and address.

Fees:

Permit Service	Trip	Monthly	Annual
Mail In/CPO Walk In	\$40	\$250	\$750
Regional Office	\$60	\$270	\$770
Permit Service	\$40	\$250	\$750
Amendment	\$10	\$15	\$15

Permit conditions

A sealed containerized load, being moved via truck or trucks and rail in conjunction with a maritime shipment, shall be treated as a “nondivisible” load when:

- The sealed container does not transport hazardous waste, hazardous materials, municipal solid waste, or construction demolition debris. Exceptions are for materials packaged as provided in 49 CFR Part 172.101 Hazardous Material Table are allowed;
- The sealed container is being moved to or from a maritime port for shipment to a foreign country by a vehicle qualified to do so under the provisions of the rules:
 - From a maritime port to a destination point; or
 - From a maritime port to a railroad facility for movement to a destination point;
 - From the point of origin to a maritime port; or
 - From the point of origin to a railroad facility for movement to a maritime port; and
- The container retains the original unbroken seal or a replacement U.S. Customs seal throughout its transit until reaching its point of destination.

Unless at least one of the conditions above is met (regarding movements), no sealed containerized load movements will be permitted for overweight loads moved by truck or truck and rail from one point to another within the state or from a point within the state to a point in another state.

Required on-board documents:

- The operators of vehicles transporting sealed containerized loads under the provisions of permits must at all time have on board and under their control and available for inspection at least one of the following documents:
 - A short form master bill of lading;

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- A copy of an electronically transmitted way bill; or
- A completed U.S. Customs Service Authority to move (Form 75-12) valid for the permitted load;
- The document(s) required shall include the following readily available information:
 - Consignor;
 - Point of origin;
 - Consignee;
 - Point of destination;
 - Either the number of the packer's cargo seal or the number of the U. S. Customs seal; and
 - A statement that the load being transported does not contain any hazardous material; and
- The document(s) required shall be in the form of a hard copy having a signature on each document authenticating the document or a certification signed and dated by an authorized agent of the permit holder stating that the attached documents are authentic. The required document(s) may be either originals or copies. Original documents shall bear original signatures and copies shall bear original signatures unless they bear a copy of a signature made before copying.

No straight trucks are allowed. Because of the nature of the load to be carried and the potential for increased wear to the highway from vehicles so loaded, no straight truck shall be eligible for a sealed container permit.

When ordering a trip permit to transport sealed containerized loads, the hauler must furnish all relevant details on the proposed move. In addition to the normal permit information, the following will be required:

- Either the number of the packer's cargo seal or the number of the U.S. Customs seal; or
- An affidavit providing:
 - A reasonable description of the contents of the sealed containerized load to be moved under the requested trip permit;
 - A statement that movements under the requested trip permit will not contain any hazardous material, municipal solid waste, or construction demolition debris; or
 - A statement that the sealed containerized loads to be moved under the requested trip permit will involve domestic maritime movements, international maritime movements, or both.

When requesting a monthly/annual permit, the applicant shall furnish all relevant details of the proposed moves. In addition to the normal permit information, an affidavit will be required providing:

- A reasonable description of the probable cargo uses to be made of the sealed containers to be moved under the requested permit;
- A statement that movements under the requested permit will not contain any hazardous material or municipal solid waste or construction demolition debris; and
- A statement that the sealed containerized loads to be moved under the requested multi-trip permit will involve international maritime movements.

All vehicles shall have a minimum of five full time, load bearing axles.

All vehicles shall have an outer bridge length of 51 feet or greater (the outer bridge length, as being the distance between the first and last axle of the vehicle or combination of vehicles, measured longitudinally to the nearest foot).

III. SUPER LOADS

Any vehicle or combination of vehicles which exceed 16 feet in width, 16 feet in height, 160 feet in length, or 200,000 gross weight; or a combination of any of the above is considered a super load.

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Preapproval applications (PERM 12) for the movement of super loads should be submitted a minimum of at least two weeks prior to the final application for a permit.

Manufacturers of these loads are encouraged to contact the Department prior to fabrication to ensure that a permit can be issued, and to determine the appropriate mode of transportation for all or part of the overall route.

All applications for the movement of super loads shall be submitted to the Central Permit Office in Albany. The following information will be necessary for processing any super load and is required to be submitted with the permit application:

1. A certification by the manufacturer or designer of the load and/or vehicle that the object or vehicle cannot feasibly be manufactured or broken down into smaller sections.
2. The projected number of similar objects to be moved within the next year. Designers should obtain preliminary approval from the Central Permit Office prior to manufacturing a super load if requesting movement through New York State on or over State highways.
3. Letter from the applicant taking full responsibility for any damage to structures, roads, signs, utility wires, telephone wires, cable wires, underground pipes or services and any damage caused as a result of the move.
4. Applicant must provide a letter from each municipality whose highways are involved in the move, giving their permission to use their highways. This letter must be on municipal letterhead and include a contact name and phone number for the municipality. If the municipality requires a State permit prior to issuance of their permit, a letter indicating they will issue a permit contingent on a State permit being issued will be acceptable. A police escort provided by the municipal police agency involved will be accepted in lieu of a letter from the municipality.
5. When the overall height is 15 feet high or greater, and there is any overhead traffic signal equipment on the route that is within three inches of the height of the permitted load while operating at normal traffic speed, the applicant must provide a signal contractor that is acceptable to NYSDOT to accompany the move with a bucket truck to move signals when necessary. These locations must be identified in the Route Survey by highway segment and intersection.
6. When overall height is 14 feet or greater, and there is insufficient vertical clearance to avoid conflict with any overhead power, telephone, or cable TV wires on the route while operating at normal traffic speeds the permittee must list within the Route Survey, in order by highway segment, the location of these facilities and all remedial actions to be taken, such as: Arrangements have been made with the utility and they will relocate telephone trunk line to provide sufficient vertical clearance prior to the move; Power company will provide bucket truck and operator to lift power line during move; Cable TV company will provide bucket truck and operator during move to temporarily remove residential service line and reconnect after move. Wherever possible, utility lines shall be raised or removed and clearance established before beginning the move. Removal or raising overhead wires and cables is the responsibility of the permittee and necessary arrangements must be coordinated with the utility companies. The Central Permit Office may require verification that the utility companies have been notified and satisfactory arrangements have been made to accommodate the load and listing any requirements or conditions they have to protect their facilities and move the load safely.
7. When the requested route has an at-grade railroad or other right-of-way crossing the State Highway on which the move is being made, the permittee shall certify that the vehicle(s) can safely cross the facility and provide emergency phone numbers and contact persons names from the appropriate company or agency which has jurisdiction and supply such certification to the Department prior to permit issuance.
8. If application indicates a gross weight of 160,000 pounds or greater, vehicle/load must have a structural review by the Main Office Structures Division. The Department may require that the applicant have a Professional Engineer licensed in the State of New York perform the required structural analysis and prepare a report to the Department for review.

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9. Bonding must be in place for the following dimensions and or weights:

Load Condition	Bond Amount
Height 16 ft or more but less than 17 ft	\$10,000
Height 17 ft or more	30,000
Width greater than 16 ft	10,000
Length greater than 160 ft	10,000
Weight 200,000 lb or more but less than 300,000 lb	10,000
Weight 300,000 lb or more but less than 400,000 lb	20,000
Weight greater than 400,000 lb	50,000

If there is a combination of dimension and weight, as listed above, the total bond amount is determined by adding the bond amount required for each dimension and total weight.

10. A detailed "SPECIAL HAULING ROUTE SURVEY FOR OVER DIMENSIONAL VEHICLES" (PERM 85), will be required.
11. If the application indicates a gross weight equal to or greater than 200,000 pounds, the following must be submitted:
- A. Schematic showing side and rear elevations and plan view of the complete unit (Tractor, trailer, jeep dollies) which will transport the load. This will allow for total viewing of the unit with overhangs and axle configuration.
 - B. Number of tires per axle and tire ratings (both single and dual capacity).
During review of the application the Department may also require:
 - C. Manufacturer's specifications on the: Power Unit; Trailer; Jeep dollies or any other equipment being used to transport the vehicle. This must include the Vehicle Identification Number (VIN), Gross Axle Weight Ratings (GAWR) for each axle, and the Gross Vehicle Weight Rating (GAWR) for each vehicle transporting the load.

During review of application, if determined necessary, the Department may require signed statements from other transportation facility providers on their letterhead (typically, marine terminal operator and/or railroad company) that they are unable to accommodate a move over all or reasonable part of the overall route.

Police escorts are required for all superloads. Upon issuance of a final permit the permittee should contact police to make arrangements at least two business days prior to the move. Prior to the move, the permittee shall make arrangements for all necessary escorts, equipment, personnel or other items that must accompany the move.

During the move the Permittee must adhere to the following:

- Any special requirements that the utility, telephone and cable companies require when handling their respective lines.
- Any special requirements of the municipalities whose facilities the move transits.
- At least 10 percent, or a minimum of 5 spare tires (whichever is less), of the transport vehicle must be available with the move.
- Necessary equipment to change tires or inflate tires must be available with the move.
- Vehicle must conform to safety requirements of State and Federal Law (i.e. Flares, emergency reflectors, etc.).
- Have immediate access to an operable cell phone which has no blocks placed on the phone.

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- For certain moves the Department may require that a licensed engineering firm perform an analysis and prepare a report on any or all of the bridges that the permitted load must cross. In such cases the permittee must retain the services of that engineering firm to accompany the permitted load during its move. This licensed engineer, or representative, will be responsible to make sure the permitted load crosses all structures as required by its report or as directed by the permit.
- Ensure that all Certified Escort drivers involved in the move have a valid Certified Escort license and drivers license.
- Provide a sufficient number of handheld communication devices to allow effective communication between the driver of the permit vehicle, police escorts, Certified Escorts, and any Department or engineering staff representatives escorting the permit vehicle.

IV. AGENCY REFERENCES

(a) Sizes and Weights

Regulatory agency/Permit agency

Department of Transportation, Permit Section
(518) 485-2999/(888) 783-1685
<https://www.dot.ny.gov/index?nd=nysdot>

Region	City	Phone
Region 1	Albany	(518) 457-3522
Region 2	Utica	(315) 793-2447
Region 3	Syracuse	(315) 428-4351
Region 4	Rochester	(585) 272-3334
Region 5	Buffalo	(716) 847-3238
Region 6	Hornell	(607) 324-8404
Region 7	Watertown	(315) 785-2333
Region 8	Poughkeepsie	(845) 431-5750
Region 9	Binghamton	(607) 721-8116
Region 10	Hauppauge	(631) 952-6632
Region 11	Long Island City	(718) 482-4526

New York State Thruway Authority, Special Hauling Permits
(518) 436-2700
<http://www.thruway.ny.gov/index.shtml>

New York City DOT, Authorized Parking and Permits
(212) 839-6341
www.nyc.gov/html/dot/html/home/home.shtml

Superloads

New York Permit Unit, Department of Transportation
(518) 485-2999 or (888) 783-1685
<https://www.dot.ny.gov/nypermits/divisible-load-permits/apply-dl>

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Enforcement Agency

New York State Police
(518) 457-3258
www.troopers.ny.gov/

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of North Carolina must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	Primary Highway System (Interstates, U.S. Routes, and NC Routes)	On Other State and Supplemental Roadways
Width:	102 in	102 in
Height:	13 ft 6 in*	13 ft 6 in*
Length:		
Straight Trucks	40 ft	40 ft
Two-vehicle combinations	60 ft**	60 ft**
Tractor-semitrailer combinations with a semitrailer 48 ft or less	No limit	No limit
Tractor-semitrailer combinations with a semitrailer greater than 48 ft, but no more than 53 ft	No limit***	Primary highway system routes only***
Tractor-twin-trailer combination	No limit****	Not allowed
Trailers of twin-trailer combinations	28 ft	Not allowed
Auto-transporter combination	N/S	N/S
Overhangs	<p>The maximum front overhang of a load on any vehicle or vehicle combination may not extend more than 3 ft beyond the foremost part of the vehicle (load includes the boom on a self-propelled vehicle).</p> <p>If the load extends more than 4 ft beyond the rear of the vehicle, red or orange flags 18 in square are required, or a red or amber light at night. A commercial vehicle with a GVWR of 10,001 lb or more with a load that protrudes from the rear or sides of the vehicle must comply with 49 CFR Part 393.</p> <p>At no time may a load extend more than 14 ft beyond the rear of a vehicle.</p>	

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	Primary Highway System (Interstates, U.S. Routes, and NC Routes)	On Other State and Supplemental Roadways
Special limitations or restrictions	<p>*Owners or operators of vehicles (with or without load) in excess of 12 ft 6 in. will be liable for damage to any structure caused by a vehicle or load exceeding 12 ft 6 in.</p> <p>**Motor vehicle combinations of one semitrailer of no more than 53 ft in length and a truck-tractor (power unit) may exceed the 60-ft maximum length. In addition, vehicle combinations used in connection with motorsports competition events that include a cab or other motorized vehicle unit with living quarters, and an attached enclosed specialty trailer may be up to 90 feet in length and may be operated on the highways of North Carolina, provided that the vehicle is:</p> <ul style="list-style-type: none"> • Driving to or from a motorsports competition event; or • Used for trips to purchase fuel, repairs, or other maintenance on the competition vehicle; or • Used for other activities related to motorsports purposes, including, but not limited to, performance testing of the competition vehicle. <p>***Any semitrailer in excess of 48 ft in length must meet one or more of the following:</p> <ul style="list-style-type: none"> • The distance between the kingpin of the trailer and the rearmost axle, or a point midway between the two rear axles, if the 2 rear axles are a tandem axle, does not exceed 41 ft; or • The semitrailer is used exclusively or primarily to transport vehicles in connection with motorsports competition events, and the distance between the kingpin of the trailer and the rearmost axle, or a point midway between the two rear axles, if the two rear axles are a tandem axle, does not exceed 46 ft. <p>A semitrailer in excess of 48 ft must be equipped with a rear underride guard of substantial construction consisting of a continuous lateral beam extending to within 4 in. of the lateral extremities of the semitrailer and located not more than 30 in. from the surface as measured with the vehicle empty and on a level surface.</p> <p>****Only allowed on highways designated for STAA dimensioned vehicles.</p> <p>Additional restrictions may be imposed on primary highway system routes; visit http://www.ncdot.gov/travel/statemapping/ for details.</p>	
Weight:		
Single axle	20,000 lb	20,000 lb
Tandem axle	38,000 lb	38,000 lb
Steering axle	N/S	N/S
Load per inch width of tire	N/S	N/S
-or-		
Gross wheel weight	N/S	N/S

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	Primary Highway System (Interstates, U.S. Routes, and NC Routes)	On Other State and Supplemental Roadways
Gross vehicle weight	80,000 lb*	80,000 lb*
Tolerances	N/S	N/S

*Maximum allowable gross weight is determined by the Federal Bridge Formula.

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

All vehicles that exceed the legal size and weight limits and transporting a non-divisible load reduced to the least overdimension, must obtain a permit from the North Carolina Department of Transportation prior to making a movement in the state.

No permit is required for a continuous length of pole or pipe with a trailer length up to 53 feet. Be aware, though, that there may be travel restrictions (such as daylight travel only) and/or marking requirements (such as flags or lights). Check with the state for specific requirements.

Permits will only be issued to vehicles, combinations, or loads that cannot be reasonably dismantled or disassembled.

Single trip permit application may be made in person, by fax, or telephone, or by other approved methods of electronic transmission. Permits may include a return trip to the origin if requested at the time of issuance. No single trip permit will be issued for a time period exceeding 30 days.

Permits for loads exceeding 14 feet in height must be submitted at least two working days prior to the anticipated date of movement.

Annual permits may be issued with specific limitations.

Permits must be carried in the vehicle and be available for inspection at all times during the move.

All permitted vehicles and vehicle combinations must be equipped with tires of the size specified and the required number of axles equipped with operable brakes in good working condition. Rear view mirrors and other safety devices on towing units attached for the movement of overwidth loads must be removed or retracted to conform to legal width when the unit is not towing or hauling such a vehicle or load.

Southeast Association of State Highway and Transportation Officials (SASHTO) regional permits

Effective September 1, 1994, nine southeastern states joined together allowing carriers — who need an oversize permit for operation on the highways in any of the nine states — to obtain a single permit to cover all nine states, rather than apply for separate permits in each state. Since that time additional states have joined, bringing the total to sixteen. The member states are Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, Missouri, North Carolina, Ohio, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia. There are certain requirements to be met when applying for such permit.

The permit will only be issued for an “envelope” vehicle, transporting a non-divisible load, and whose dimensions cannot exceed the following:

Length:	100 ft overall
Height:	14 ft
Width:	14 ft

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Weight:	120,000 lb GVW 12,000 lb Steer Axle 20,000 lb Single Axle 40,000 lb Tandem Axle 60,000 lb 3 or more Axles
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The permit is only available through a wire service (not the state agency); is only valid for a single trip (no return trip); and is valid for no more than 10 days, or less than 5 days. Carrier will be informed of applicable restrictions when the permit is issued.

(b) Fees

The fee for a single trip permit is \$12 for each overdimension or overweight, *i.e.*, \$12 length; \$12 width; \$12 height, and \$12 weight.

Any person, firm, or corporation may apply for annual permits for qualifying oversize or overweight vehicles operated by the applicant and pay an annual fee based on the following schedule:

- \$100 for non-divisible general commodities permit; or
- \$200 for a mobile modular home permit.

A fee of \$20 is assessed when making application for a house move; however, there is no fee for the actual permit.

A \$100 non-refundable application fee is required for superload permits. The \$12 for each overdimension will be charged as outlined above in addition to \$3 per 1,000 pounds over 132,000 pounds gross weight.

Fees will not be assessed for permits for oversize and overweight vehicles registered in the name of a governmental body, or for farm equipment or machinery being transported by the farmer for farming operations.

Cash, certified checks, money orders, company checks, or credit cards are accepted.

(c) Insurance Requirements

Security may be required, at the discretion of the Dept. of Transportation, before a special permit is issued. The applicant will deposit a surety bond, certified check or other security satisfactory to the Dept. of Transportation in an amount sufficient to cover any damage to road surfaces, bridges or other structures which may be caused by a proposed movement. The exact amount of security will be determined by the issuing agent.

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(d) Permitted Vehicle Limitations

Dimension limits under permit are as follows:

Oversize Condition	Permit Limits
Width	<p>Maximum width allowed is 15 feet; however, a permit may be granted for loads exceeding 15 feet wide after analysis of the proposed load and evaluation of the proposed route.</p> <p>Permits may be issued for mobile or modular units that are 16 feet wide with a 3-inch gutter edge.</p> <p>If blades of construction equipment or front end loader buckets cannot be angled to extend no more than 14 feet across a roadway, they must be removed. A blade, bucket, or other attachment that is an original part of the equipment as manufactured may be hauled with the equipment without being considered a divisible load.</p>
Length	<p>The maximum length that may be moved under a single trip permit is 105 feet. Approval may be given by the Central Permit Office for permitted loads in excess of 105 feet after review of geographic route of travel, consideration of local construction projects and other dimensions of the load.</p>
Height	<p>No overall maximum limit. The height limit is governed by the structures under which the movement will pass.</p>

Overweight

The maximum weight permitted on a designated route is determined by the bridge capacity of bridges to be crossed during movement. The route traveled from an origin to a destination must be included within one permitted route of travel.

The maximum permissible weights for non-divisible loads are as follows:

The maximum single trip and annual permit weight allowed for a vehicle or vehicle combination not including off-highway construction equipment is:

Axle/Combination	Weight Limit
Steer axle	20,000 lb
Single axle	25,000 lb
Tandem axle	50,000 lb
Tridem axle	60,000 lb
Four or more axle group	68,000 lb
Five or more axle group	Exceeding 68,000 pounds requires an engineering study
Three-axle single vehicle	70,000 lb gross weight
Four-axle single vehicle	90,000 lb gross weight
Five-axle single vehicle	94,500 lb gross weight
Five-axle vehicle combination	112,000 lb gross weight
Six-axle single vehicle	108,000 lb gross weight
Six-axle vehicle combination	120,000 lb gross weight
Seven-axle single vehicle	122,000 lb gross weight
Seven-axle vehicle combination	132,000 lb gross weight

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Axle/Combination	Weight Limit
Seven or more axle vehicle combination	Exceeding 132,000 lb gross weight requires an engineering study

Maximum permit weights allowed for self-propelled off-highway construction equipment with low pressure or low flotation tires are:

Vehicle/Axle Type	Weight Limit
Single axle	37,000 lb
Tandem axle	50,000 lb
2-axle single vehicle	70,000 lb
3-axle single vehicle	80,000 lb
4-axle single vehicle	90,000 lb

The towing vehicle must be licensed for the maximum allowable weight (determined by extreme axle measurement) in order to be allowed to carry that weight. Requests for permits in excess of 132,000 pounds must be made to the Central Permit Unit. Before such a permit will be granted, an engineering study must be made by the Bridge Maintenance Unit on the basis of current information on bridge capacities along the route. Axle spacings and weights must be furnished to conduct a study. The study takes approximately 10 working days. Requests for such permits should be made as far in advance as possible.

(e) Sign Requirements

A yellow banner measuring a total length of seven feet by 18 inches high bearing the legend OVERSIZE LOAD in 10-inch black letters with a 1.5-inch wide brush stroke must be displayed in one or two pieces totaling the required length on the front and rear bumpers of the permitted vehicle and vehicle combination with a width greater than 10 feet.

Rear view mirrors and other safety devices on towing units attached for movement of overwidth loads shall be removed or retracted to conform with legal width when unit is not towing/hauling such vehicle or load

(f) Flags and Lighting Requirements

Flags

Red or orange flags measuring at least 18 inches square must be displayed on all sides at the widest point of load for all loads exceeding 8 feet 6 inches wide. Flags are required to be mounted so as to not increase the overall width of the load.

Lights

Flashing amber lights must be used as determined by the issuing permit office.

Headlights on the towing vehicle must be turned on at all times during the move.

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(g) Escort/Flagperson Requirements

Escort vehicles are required as follows:

Permitted Load Condition	Escort Requirements
Height exceeds 14 feet 5 inches	One leading pole car escort
Rear overhang is 15 feet or more or overall length is 110 feet	One rear escort
Width exceeding 12 feet	One escort
Weight of 150,000 pounds or more	One front escort

Escort vehicles should remain at a distance of 200 feet from the overweight vehicle. If sight distance is less than 300 feet, such as in cities or other congested areas, the escort vehicle should more closely lead the load to protect other traffic from the swing of the load at corners and turns.

Any vehicle when loaded and restricted or otherwise cannot travel the posted speed limit may be required to have a properly equipped rear escort.

(h) Escort Car/Company Requirements

Escort vehicles must weigh more than 2,000 pounds with a manufacturer's gross vehicle weight rating of less than 17,000 pounds.

All escort vehicle operators are required to obtain an approved DOT certification (or hold another state's certification that is recognized by North Carolina) prior to performing the duties of an oversize/overweight load escort vehicle operator in North Carolina. Upon finishing the certification program, the DOT will issue a certificate which will be valid for four years from issuance date and will be reissued upon satisfactory completion of a current certification exam.

The vehicle operator must be at least 21 years of age, or at least 18 years of age with a Class A commercial driver's license, and must have had a valid driver's license for the previous 12 months without a conviction of reckless driving or driving while impaired.

Certification credentials must be carried in the vehicle and readily available for inspection by law enforcement officials within the jurisdiction.

The vehicle must display placards or identification signs measuring at least 8 inches by 12 inches listing the name and telephone number of the registered owner of the power unit (company or individual) on the right and left side of the power unit.

Escort car signs, flags, and lights

The following are required:

- Two-way radio contact with power unit & escort vehicle;
- Yellow banners at least 18 inches high and the width of the bumper, bearing the legend OVERSIDE LOAD in black lettering 10 inches high with a 1-1/2-inch brush stroke;
- Flashing amber rotating sealed beam or strobe, minimum five-inch diameter base/minimum four-inch lens height are required to be mounted on the top of the escort vehicle; and
- Headlamps must be turned on during movement.

(i) Travel Restrictions

Movements must be made between sunrise to sunset, Monday through Saturday. Sunday travel may be authorized from sunrise to sunset after consideration of the overall permitted dimensions.

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Continuous travel time (24 hours/7 days/365 days a year) is authorized for vehicle/vehicle combinations with a gross weight not to be exceeded 112,000 pounds and no other overdimension is to be included in the permitted move.

Self-propelled equipment may be authorized for continuous travel with overhang (front or rear or both) not to exceed a total of 10 feet provided overhang is marked with high intensity glass bead retroreflective sheeting tape measuring two inches by 12 inches displayed on both sides and the end of the extension and on each side of the self-propelled vehicle 24 inches from the road surface at nearest feasible center point between the steer and drive axles. Any rear overhang must display a mounted brake light and a flashing amber light, eight inches in diameter with a minimum candlepower of 800 watts.

Permitted vehicles owned or leased by the same company or permitted vehicles originating at the same location must travel at a distance of at least two miles apart. Convoy travel is not authorized.

No moves may be made when:

- Weather conditions render visibility less than 500 feet for a person or vehicle; or
- Travel conditions are considered unsafe by the Division of Highways, State Highway Patrol, or other Law Enforcement Officers having jurisdiction.

All obstructions, including traffic signals, signs, and utility lines must be removed immediately prior to and replaced immediately after the move at the expense of the mover, provided arrangements for and approval from the owner is obtained.

All obstructions, including traffic signals, signs, and utility lines must be removed prior to and replaced after the move at the expense of the mover, provided arrangements for and approval from the owner is obtained.

The object to be transported must not be loaded or parked, day or night, on the highway right of way without permission from the office issuing the permit after confirmation of an emergency condition.

Holiday restrictions

Restricted time of travel for the following holidays is from noon the week day preceding the holiday, until noon on the week day after the holiday (48 hours total restriction). If the observed holiday falls on the weekend, travel is restricted from noon on the preceding Friday through noon on the following Monday:

New Year's Day	Independence Day
Memorial Day	Thanksgiving Day
Labor Day	Christmas Day

Speed limits

The speed of permitted moves will be that which is reasonable and prudent for the load, considering weight and bulk, under conditions existing at the time, not to exceed the posted speed limit.

The driver of the permitted vehicle must avoid creating traffic congestion by periodically relinquishing the traffic way to allow the passage of following vehicles when a build up of traffic occurs.

(j) Manufactured Housing Permits

A mobile or modular unit with maximum measurements of a 16 feet wide unit and a three-inch gutter edge may be issued a permit.

Annual permits may be issued for:

- Mobile or modular homes with a maximum height of 13 feet 6 inches being transported from a manufacturer to a North Carolina mobile or modular home dealership with a unit width not to exceed 14 feet with an allowable roof overhang not to exceed a total of 12 inches or a 16 feet wide unit with a three-inch gutter edge. These mobile or modular homes are authorized to travel on designated

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routes approved by the Department of Transportation considering construction work zones, highway lane widths, origin and destination, or other factors to ensure safe movement;

- A North Carolina-licensed mobile or modular home retail dealer and the transporter for delivery of mobile or modular homes not to exceed a maximum width of a 14 feet unit with a total roof overhang not to exceed 12 inches and a height of 13 feet 6 inches. The annual permit will be valid for delivery of mobile or modular homes within a maximum 25-mile radius of the dealer location. Confirmation of destination for delivery must be carried in the permitted towing unit; and
- A 14 feet wide mobile or modular home unit with a roof overhang not exceeding a total of 12 inches may be transported with a bay window, room extension, or porch providing the protrusion does not extend beyond the maximum 12 inches of roof overhang or the total width of overhang on the appropriate side of the home. An extender shall be placed on the front and rear of the mobile or modular home with a length to extend horizontally equal to but not beyond the extreme outermost edge of the home's extension. The extenders shall have retroreflective sheeting, a minimum of 4 inches, which shall be Type III high intensity (encapsulated lens) or Type IV high performance (prismatic) with alternating fluorescent yellow and black diagonal stripes sloping towards the outside of the home with a minimum area of 288 square inches. The bottom of the extenders shall be 6 feet to 8 feet above the road surface with a 5-inch amber flashing beacon mounted on the top of each extender.

Mobile or modular home units may not exceed a length of 76 feet and a total overall length inclusive of the towing vehicle of 105 feet.

A 16-foot wide mobile or modular home unit with a maximum 3-inch gutter edge is restricted to Monday through Saturday from 9 a.m. to 2:30 p.m. Monday through Saturday. A 16-foot wide unit is authorized to continue operation after 2:30 p.m., but not beyond sunset, when traveling on an approved route as determined by an engineering study and the unit is being exported out-of-state. Movement of a mobile or modular unit exceeding a width of 10 feet is prohibited when wind velocities exceed 25 miles per hour in gusts. A towing unit and mobile or modular home combination may not exceed a maximum speed of 60 miles per hour.

A towing unit mobile or modular home combination must display banners at least seven feet long by 18 inches high bearing the legend OVERSIZE ----- FEET LOAD identifying the nominal width of the unit in transport.

All overwidth mobile homes must display 18-inch red flags on the four corners of the mobile home 50 inches from road surface. Flags must be positioned to wave freely.

Rotating sealed beam or strobe, minimum five-inch diameter base/minimum four-inch lens height are required to be displayed 72 inches from the road surface on all four corners of the mobile home, with the option of mounting the required front lights on the mirror bar no less than the extreme width of the power unit.

A towing unit mobile/modular home combination shall display banners of the size specified bearing the legend OVERSIZE ___ FT LOAD or WIDE ___ FT LOAD identifying the nominal width of the unit in transport. Escort vehicles must display banners as previously specified with the exception of length to extend the entire width of the bumpers.

Escorts are required as follows:

Load Condition	Escorts Required
14 ft width	One escort required on all multi-lane highways. One escort when moving from a point-of-manufacture for delivery to a state-licensed retail sales location on all two-lane/two-way traffic highways. Two escorts required for all other movement on two-lane/two-way traffic highways.
16 ft width	Two escorts required on all highways.
14 ft 5 in. height	Front pole car escort

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(k) Annual, Extended, And/Or Other Permits

Annual Permits

Annual permits may be issued for:

- Unlimited movement without an escort on all North Carolina highways for vehicle/vehicle combinations transporting general non-divisible commodities, which has a minimum extreme wheelbase of 51 feet, and which does not exceed:
 - Width of 12 feet;
 - Height of 13 feet 6 inches;
 - Length of 105 feet;
 - Gross weight of 90,000 pounds; and
 - Axle weights of:
 - 20,000 pounds on steer axle;
 - 25,000 pounds on single axle;
 - 50,000 pounds on tandem axle;
 - 60,000 pounds tridem axle; and
 - 68,000 pounds for a four or more axle grouping;
- Unlimited movement without the requirement of an escort on all North Carolina highways for four- or five-axle self-propelled equipment or special mobile equipment, defined as non-property hauling vehicle, which as permanently attached equipment, that is operated on the highway only for the purpose of traveling to and from a non-highway job and is licensed as special mobile equipment, capable of traveling at 45 mph which has a minimum wheel base of 30 feet and that does not exceed a width of 12 feet, height of 13 feet 6 inches, length of 105 feet, a gross weight of 90,000 pounds, and axle weights of 20,000 pounds steer axle, 25,000 pounds single axle, 50,000 pounds tandem axle, 60,000 pounds tridem axle, and 68,000 pounds for a four or more axle grouping;
- Unlimited movement with an escort vehicle on all North Carolina highways, where permitted by the posted bridge and load limits, for vehicles/vehicle combinations transporting farm equipment and which does not exceed a width of 14 feet; a height of 13 feet 6 inches, and legal weight; or
- Unlimited movement without the requirement of an escort on all North Carolina highways, where permitted by the posted road and bridge limits, for vehicle and vehicle combinations transporting non-divisible commodities which does not exceed a width of 12 feet, legal lengths (not to exceed 105 feet), height of 13 feet 6 inches, and legal gross weight and axle weights.

Annual blanket permits will not be issued for lengths to exceed 105 feet.

House moves

Application for a permit must be made by a licensed housemover for movement of buildings or structures in excess of 15 feet in width to the appropriate Division of Highways district or division office in which the house is to be moved or in conjunction with other Division of Highways districts or divisions included in the proposed move.

Conditions, restrictions, and limitations on house move permits will be determined by the Division of Highways.

VEHICLE SIZES & WEIGHTS MANUAL

(I) Sealed Containerized Cargo Permits

A vehicle combination consisting of a power unit and trailer hauling a sealed ship container may qualify for a specific route overweight permit provided the vehicle:

- Is going to or from a designated seaport and has been or will be transported by marine shipment;
- Is licensed for the maximum allowable weight for a 51-foot extreme wheel base measurement;
- Does not exceed legal width, height, and length;
- Is a vehicle combination with at least five axles; and
- Has proper documentation (bill of lading or trucking bill of lading) or sealed commodity being transported available for law enforcement officer inspection.

Single trip or annual permits available. Permits qualify for continuous travel.

III. SUPER LOADS

Super loads are defined as vehicles/loads with a weight exceeding 132,000 pounds, weights on axles/axle groupings that exceed permit policy, or that have a width exceeding 15 feet. Maximum weight is determined by number of axles, design of axle configurations, and the bridge structures being crossed along the route.

Single trip (no return trip) permits are only issued by the Central Permit Office. Permits carry a \$100 application fee, plus a \$12 base fee for each overlegal dimension, and \$3 per 1,000 pounds over 132,000 pounds gross weight.

Submit permit requests in writing at least 10 working days prior to the anticipated date of requested move.

Continuous travel is **not** allowed for super load permits.

IV. AGENCY REFERENCES

(a) Sizes and Weights

Regulatory agency

Motor Carrier Unit, Division of Motor Vehicles
(919) 715-7000
www.ncdot.gov/dmv/vehicle/irp/

Permit agency

Department of Transportation, Oversize/Overweight Permit Unit, Division of Highways
(919) 733-7154
<https://connect.ncdot.gov/business/trucking/Pages/default.aspx>

Super loads

Department of Transportation, Permit Unit
(888) 574-6683; Super load inquiry line: (888) 221-8166
Hours: 8 a.m. - 5 p.m. (Eastern); no calls after 4 p.m.
<https://connect.ncdot.gov/business/trucking/Pages/default.aspx>

Enforcement agency

Department of Crime Control & Public Safety, State Highway Patrol, Motor Carrier Enforcement Administration Section
(919) 733-7952
www.nccrimecontrol.org/index2.cfm?a=000003,000014

VEHICLE SIZES & WEIGHTS MANUAL

Reserved

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of North Dakota must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Width:	102 in	102 in
Height:	14 ft	14 ft
Length:		
Straight Trucks	50 ft	50 ft
Truck-trailer	110 ft	75 ft*
Tractor-semitrailer combinations	No limit	75 ft*
Tractor-twin-trailer combination	No limit	75 ft*
Semitrailer	53 ft**	53 ft**
Trailers of twin-trailer combinations	53 ft**	53 ft**
Auto-transporter combination	N/S	N/S
Stinger-steered	N/S	N/S
Towed vehicles	60 ft	60 ft
Special limitations or restrictions	* 2-, 3-, and 4-unit combinations, 110 ft on 4-lane divided highways. (95 ft on most state highways) ** Length limit includes the load on the semitrailer.	
	On Interstate System Highways Only	On All Other State Highways
Weight:		
Steering axle	20,000 lb or axle rating established by manufacturer, whichever is lower	N/S
Single axle	20,000 lb	20,000 lb
Tandem axle	34,000 lb	34,000 lb
Tridem axle	Determined by Federal Bridge Formula	48,000 lb
Load per inch width of tire -or-	550 lb	550 lb
Gross wheel weight	One-half of legal axle weight	One-half of legal axle weight

VEHICLE SIZES & WEIGHTS MANUAL

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Gross vehicle weight	80,000 lb (up to 105,500 lb with permit)	105,500 lb (unless otherwise posted)
Tolerances	None	None

Exemptions

The following vehicles are exempt from the legal size limitations:

Width —1) Construction and building contractors' equipment and vehicles used to move such equipment which does not exceed 10 feet in width when being moved by contractors or resident carriers. 2) Implements of husbandry being moved by resident farmers, ranchers, manufacturers, dealers, or government entities between sunrise and sunset; furthermore, the limitation does not apply to implements of husbandry being moved between sunrise and sunset by resident farmers, ranchers, governmental entities, dealers, or manufacturers on public state, county, or township highway systems other than interstate highway systems; 3) Hay in the stack or bale being moved along the extreme right edge of a roadway between sunrise and sunset by someone other than a commercial mover; 4) Commercial haystack or hay bale movers, overwidth self-propelled fertilizer spreaders, overwidth self-propelled agricultural chemical applicators, overwidth portable grain cleaners, forage harvesters, and overwidth hay grinders need seasonal permits.

Height —Implements of husbandry which do not exceed 15 feet 6 inches in height when being moved by resident farmers, ranchers, dealer, or manufacturers between sunrise and sunset provided the trip is not more than 60 miles, and is not on an interstate highway.

Length —1) Building moving equipment. 2) Emergency tow trucks towing disabled lawful combinations of vehicles to a nearby repair facility. 3) Vehicles and equipment owned and operated by the U.S. Armed Forces or the National Guard. 4) Structural material of telephone, power, and telegraph companies. 5) Truck-mounted haystack moving equipment, provided such equipment does not exceed a length of 56 feet. 6) Safety and energy conservation devices an any additional length exclusive devices for the safe and efficient use of commercial motor vehicles.

Any vehicles that are exempt from the legal size limits must comply with the flagging, lighting, and/or escort vehicle requirements as provided in North Dakota 38-05-02-01, Standards for Marking Vehicles and Loads, available at <http://tinyurl.com/NDflags>. Such vehicles must also be equipped with a mirror that provides the driver with a rear view of the highway for a distance of at least 200 feet.

Seasonal Weight Restrictions

North Dakota's seasonal weight restrictions can be found at <http://www.dot.nd.gov/roadreport/loadlimit/loadlimitinfo.asp>.

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Permit issuing authorities will, at their own discretion and upon application and with good cause being shown, issue permits for the movement of vehicles that exceed the legal size and/or weight limitations. A single trip permit is required for each movement that is overdimensional or overweight. An annual permit for overwidth vehicle and load movements is required in lieu of the single trip permit issued for overwidth movements.

VEHICLE SIZES & WEIGHTS MANUAL

The North Dakota Highway Patrol (NDHP) has the authority to establish reasonable permit conditions and regulations in the interest of safety, public interest and adverse weather conditions.

The NDHP may issue annual permits for the movement of overwidth vehicles and loads, and single trip permits for the movement of oversize or overweight, or both, vehicles and loads. Permits will not be issued for loads that can be reasonably made to conform to legal limits. The permits, which must be in possession prior to starting the movement, will designate the route to be traveled and may contain such other restrictions as deemed necessary by the NDHP or Department of Transportation engineers.

Single trip permits shall apply to one movement of one vehicle or vehicle combination only, generally not to exceed three days. Movement of a fixed load during a 24-hour period shall be considered one movement.

Single trip permits can be obtained from the NDHP permit section, or highway patrol troopers. Applications at the permit section may be made in person, through the mail, or by telephone, or through a permit service.

(b) Fees

- (1) \$20 for each single trip permit (SFN 3507, Official Receipt/Permit) except for loads in excess of 150,000 pounds gross vehicle weight self-propelled special mobile equipment.
- (2) Graduated fee for each single trip permit (SFN 3507, Official Receipt/Permit) exceeding 150,000 pounds gross vehicle weight:

Gross Vehicle Weight	Permit Fee
150,001-160,000 lb	\$30
160,001-170,000 lb	\$40
170,001-180,000 lb	\$50
180,001-190,000 lb	\$60
190,001 lb and over	\$70

- (3) \$25 for each single trip permit for overweight self-propelled special mobile equipment.
- (4) \$100 for each single trip permit for overweight self propelled work over rig.
- (5) \$20 per trip, or \$100 per year, for an overwidth vehicle or load that is 14 ft 6 in or less.
- (6) \$10 for each Identification Supplement, SFN 3317 (SFN 3318 for manufactured housing).
- (7) \$20 for each Single Trip Movement form, SFN 3540 (SFN 14242 for manufactured housing).
- (8) \$25 for each Special Mobile Equipment Single Trip Movement Approval form (SFN 16320) that must be used to validate the special mobile equipment identification supplements.
- (9) \$100 for each Workover Service Rig single trip movement approval form (SFN 16320 WOR & SFN 1320-SE) that must be used to validate the workover service rig identification supplements.
- (10) \$25 engineering fee for those movements that require approval by DOT engineers.
- (11) \$0.05 per ton/per mile assessed upon the portion of gross vehicle weight exceeding 200,000 pounds.
- (12) Escort services provided by the NDHP are \$50 per hour and \$0.50 per mile.
- (13) Official or publicly owned vehicles shall not be required to pay charges for permits. (No fee to commercial hauler doing charity hauling.)
- (14) The fee for a non-self-issuing interstate permit is \$10 per trip, or \$300 per calendar year for unlimited trips.
- (15) The fee for an equipment approval certificate is \$15.

VEHICLE SIZES & WEIGHTS MANUAL

The ton-mile fee for a vehicle or load movement that exceeds the weight limits on highways during the spring thaw or on highways with load limits year round is:

- \$1 per ton-mile with exceeding axle weight limits; and
- Fees for vehicles or combinations hauling a load and in excess of the gross vehicle weight limit:

Cost Per Ton-Mile	Weight and Road Restrictions
\$1	Gross vehicle weight exceeds 105,000 lb and travel is on highways restricted by legal weight or 8-ton and 7-ton designated state highways
\$5	Gross vehicle weight exceeds: <ul style="list-style-type: none"> ○ 130,000 lb on highways restricted by legal weight ○ 120,000 lb on 8-ton highways ○ 110,000 lb on 7-ton highways ○ 80,000 lb on 6-ton highways
\$5 for self-propelled special mobile equipment	Gross vehicle weight exceeds: <ul style="list-style-type: none"> ○ 105,000 lb on highways restricted by legal weight ○ 105,000 lb on 8-ton highways ○ 105,000 lb on 7-ton highways ○ 80,000 lb on 6-ton highways

The fee for a weight increase on a work-over service rig is \$990. The fee is assessed on a work-over service rig that exceeds 670 pounds per inch of tire width on a single or tandem axle, exceeds 60,000 pounds on a triple axle, and 68,000 pounds on a four-axle group. The weight increase is valid for a calendar year and the weight increase can only be assessed on model year 2010 work-over service rigs and older.

Permits, identification supplements, and self-issue permits are available to purchase at www.nd.gov/ndhp (click on E-Permits). Application forms can also be obtained on the site or by contacting NDHP.

(c) Insurance Requirements

Except for mobile homes, there are no special insurance requirements for moving oversize/overweight loads in North Dakota. Oversize mobile homes require a minimum of \$100,000/\$300,000/ \$50,000.

An insurance bond in an amount determined by the North Dakota Department of Transportation (DOT) may be required for load or vehicle movements of excessive size or weight, showing the North Dakota DOT as an additional insured. Excessive size and weight will be determined on a case-by-case basis by the North Dakota DOT.

(d) Permitted Vehicle Limitations

Single trip permits will not be issued for movements exceeding the vertical clearance under structures. If there is a bypass or exit ramp around structures, permits may be issued directing the movement around the structure. All movements exceeding 18 feet in height must have written authority from utility companies to travel under overhead wires.

No permit will be issued for an overweight vehicle unless the vehicle is registered for the gross weight that the vehicle can legally carry without a permit, nor for loads that can be reasonably made to conform to legal limits.

Single trip permits may not be issued for movement of four-axle single unit vehicles exceeding 96,800 pounds gross vehicle weight, five-axle single unit vehicles exceeding 106,800 pounds gross vehicle weight, six-axle (or more) single unit vehicles exceeding 114,800 pounds gross vehicle weight, and vehicle combinations exceeding 150,000 pounds gross vehicle weight unless authorized by the Highway Patrol permit section.

VEHICLE SIZES & WEIGHTS MANUAL

A truck crane with dollies is a single unit vehicle. A truck crane with a towed trailer with a boom resting on it is considered a two-vehicle combination.

The table below gives the **maximum permissible axle weights, except for fixed load equipment mounted on truck-type chassis** (such as truck cranes and workover rigs), and self-propelled earthmoving equipment. Single and tandem axle weights may not exceed 600 pounds per inch width of tire; groupings with three axles or more may not exceed 550 pounds per inch width of tire.

Tire Size	Single Axle 2 Tires (lb)	Single Axle 4 Tires (lb)	Tandem Axle 4 Tires (lb)	Tandem Axle 8 Tires (lb)	Triple Axle 12 Tires (lb)	Four Axle 16 Tires (lb)
8:25	9,900	19,800	19,800	39,600	54,450	68,000*
9:00	10,800	21,600	21,600	43,200	59,400	
10:00	12,000	24,000*	24,000	45,000*	60,000*	
11:00	13,200		26,400			
12:00	14,400		28,800			
13:00	15,600		31,200			
14:00	16,800		33,600			
15:00	18,000		36,000			
16:50	19,800		39,600			
18:00	21,600		43,200			

*Maximums include all tolerances.

For all axle groupings of four axles or more, axle weights shall not exceed 19,000 pounds per axle. Except by special permit application, the gross weight of the axle grouping shall not exceed 68,000 pounds, or as determined by the Bridge Load Limitations map.

Axle groupings consisting of two sets of tandems or two sets of triples spaced eight feet apart or more shall be allowed the tandem axle or triple axle weight credit on each axle grouping; however, except by special permit the gross weight of all the axles in the combination may not exceed 68,000 pounds, or as determined by the Bridge Load Limitations map.

The table below lists the **maximum permissible axle weights for fixed load equipment mounted on truck-type chassis** such as truck cranes and workover rigs. Single and tandem axle weights may not exceed 650 pounds per inch width of tire; groupings with three or more axles may not exceed 550 pounds per inch width of tire.

Tire size	Single axle 2 tires	Single axle 4 tires	Tandem axle 4 tires	Tandem axle 8 tire	Triple axle 6 tires	Triple axle 12 tires	Four axle 16 tires
8:25	10,725 lb	21,450 lb	21,450 lb	42,900 lb	27,225 lb	54,450 lb	*68,000 lb
9:00	11,700 lb	23,400 lb	23,400 lb	46,800 lb	29,700 lb	59,400 lb	*68,000 lb
10:00	13,000 lb	26,000 lb	26,000 lb	*50,000 lb	33,000 lb	*60,000 lb	*68,000 lb
11:00	14,300 lb	28,600 lb	28,600 lb	*50,000 lb	36,300 lb	*60,000 lb	*68,000 lb
12:00	15,600 lb	*30,000 lb	31,200 lb	*50,000 lb	39,600 lb	*60,000 lb	*68,000 lb
13:00	16,900 lb	*30,000 lb	33,800 lb	*50,000 lb	42,900 lb	*60,000 lb	*68,000 lb
14:00	18,200 lb	*30,000 lb	36,400 lb	*50,000 lb	46,200 lb	*60,000 lb	*68,000 lb
15:00	19,500 lb	*30,000 lb	39,000 lb	*50,000 lb	49,500 lb	*60,000 lb	*68,000 lb
16:50	21,450 lb	*30,000 lb	42,900 lb	*50,000 lb	54,450 lb	*60,000 lb	*68,000 lb
18:00	23,400 lb	*30,000 lb	*46,800 lb	*50,000 lb	59,400 lb	*60,000 lb	*68,000 lb

VEHICLE SIZES & WEIGHTS MANUAL

The following are the maximum permissible axle weights (in pounds) for a workover rig mounted on a truck-type chassis that exceeds 650 pounds per inch-width of tire (single and tandem axle weights may exceed 650 pounds per inch-width of tire but may not exceed 670 pounds per inch-width of tire; see previous table for weight allowed on groupings of three or more axles). Metric tire sizes are converted to inches by dividing millimeters by 25.4.

Tire Size	Single Axle 2 Tires	Single Axle 4 Tires	Tandem Axle 4 Tires	Tandem Axle 8 Tires
11.00	14,750	29,500	29,500	50,000
11.20 (285 mm)	15,000	30,000	30,000	50,000
11.60 (295 mm)	15,550	30,000	31,100	50,000
12.00	16,100	30,000	32,175	50,000
12.40 (315 mm)	16,625	30,000	33,250	50,000
13.00	17,425	30,000	24,850	50,000
14.00	18,775	30,000	37,525	50,000
14.40 (365 mm)	19,300	30,000	38,600	50,000
15.00	20,100	30,000	40,200	50,000
15.20 (385 mm)	20,375	30,000	40,750	50,000
16.50	22,125	30,000	44,225	50,000
16.70 (425 mm)	22,400	30,000	44,775	50,000
17.50 (445 mm)	23,450	30,000	46,800	50,000
18.00	24,125	30,000	46,800	50,000
20.50	27,475	30,000	46,800	50,000

*Maximums include all tolerances

The gross weight of axles or axle groupings on trailers pulled behind truck cranes or other fixed load vehicles cannot exceed axle weight limitations as authorized for vehicle combinations.

There are a number of additional restrictions for movement of self-propelled earthmoving equipment and for movement of buildings. Be sure to check with the Highway Patrol when planning one of these moves.

(e) Sign Requirements

When the overall length of an overdimensional movement exceeds 75 feet in length, there must be a minimum 12-inch by 60-inch OVERSIZE LOAD sign on the rear. The lettering must be black on yellow background, at least eight inches high with one-inch brush stroke.

When the movement is overlength only, exceeding 75 feet in overall length, a LONG LOAD sign that is a minimum 12 inches by 60 inches in size may be used in lieu of the OVERSIZE LOAD sign. The lettering must be black on yellow background, at least eight inches high with one-inch brush stroke.

(f) Flags and Lighting Requirements

All overdimensional vehicles and loads must display 18-inch by 18-inch (minimum) red or bright orange flags on the traffic side front and rear.

A motor vehicle must have two outside mirrors, one on each side, to reflect to the driver a rear view of at least 200 feet.

Between a half hour after sunset and a half hour before sunrise, a permitted overwidth vehicle or load must be equipped with the Society of Automotive Engineers-approved class 1 lights and reflectors, in addition to those required in North Dakota Century Code and Code of Federal Regulations, Title 49, Part 393.

VEHICLE SIZES & WEIGHTS MANUAL

One rotating or two flashing amber lights must be mounted above the cab and visible from the front and rear for a distance of at least 500 feet, under clear atmospheric conditions at night. If the lights on the cab are not visible to the rear, additional flashing amber lights are required at the rear.

Clearance lights must be visible from the front, rear, and side, marking the outermost portion of the vehicle and load which extends beyond eight feet six inches.

(g) Escort/Flagperson Requirements

Escort vehicles are required as follows:

Load Conditions	Escort Requirements
All movements exceeding 14 ft 6 in. in overall width but not exceeding 16 ft in overall width	<ul style="list-style-type: none"> • One pilot car precede the movement at a distance of 300 to 700 ft on two-lane highways; and • On four-lane divided highways there are no pilot car requirements <p>In lieu of the pilot car requirement, the overwidth vehicle itself, or vehicle towing or hauling an overwidth load, may be equipped with a lighted rotating or flashing amber light or lights that are visible from front and rear for a minimum 500 ft.</p>
All movements exceeding 16 ft in overall width	<ul style="list-style-type: none"> • One pilot car precede the movement at a distance of 300 to 700 ft; • One pilot car follow the movement at a distance of 300 to 700 ft on two-lane highways; and • One pilot car follow the movement at a distance of 300 to 700 ft on four-lane divided highways
All movements exceeding 18 ft in overall width	May be required to have a ND Highway Patrol escort as determined by the District Operations Commander
All movements exceeding 18 ft in overall height	One pilot car or an official escort must precede the movement at a distance of 300 to 700 ft
All movements exceeding 120 ft in overall length	An approved pilot car or an official escort must follow the movement at a distance of 300 to 700 ft
All movements of self-propelled earthmoving equipment that exceed legal axle weights	One pilot car follow the movement at a distance of 300 to 700 ft on all highways because of a maximum speed limit of 20 mph (the Department of Transportation chief engineer, bridge engineer, or district engineer(s) may require one or two pilot cars on other overweight movements that exceed the normal permissible weights)

(h) Escort Car/Company Requirements

Escort vehicles must be a passenger vehicle or two-axle truck and must meet the requirements of North Dakota Century Code, Title 39. A driver of an escort car must have a valid driver's license and be 18 years of age or older.

There must be radio communication between the escort car(s) and the vehicle being escorted. When operating in convoy, additional escort cars will not be required provided that each unit in convoy keep at least 1,000 feet apart so as not to hamper passing traffic.

Escort cars not registered in North Dakota will be required to purchase temporary registration when escorting intrastate movements.

VEHICLE SIZES & WEIGHTS MANUAL

Escort car signs, flags, and lights

The vehicle must display an OVERSIZE LOAD sign, 12 inches high by 60 inches long, on the roof. The lettering shall not be less than eight inches high and one-inch brush strokes. In addition, flashing amber lights shall be mounted on both ends of the sign. In place of the two alternating lights, there can be one centrally mounted revolving amber light on the top of the sign.

(i) Travel Restrictions

Permits do not authorize movements when inclement weather prevails, highways are slippery, or when visibility is poor.

All permits shall require a minimum distance of 1,000 feet between vehicles in a convoy of two or more vehicles. Permits do not authorize travel on shoulders of road. Single trip permits shall apply to movement of one vehicle or one vehicle combination only.

Permits will not be issued for overdimensional movements between one-half hour after sunset to one-half hour before sunrise unless otherwise authorized by the Superintendent.

Single trip permits for overwidth loads exceeding 16 feet will not be issued authorizing movements on Saturday after noon and all day Sunday.

Overweight permits are not valid for movement on flexible pavements when the atmospheric temperature is 85 degrees or above.

Holiday restrictions

Single trip permits for overwidth loads exceeding 16 feet will not be issued authorizing movements on the following holidays:

New Year's Day	Labor Day
Memorial Day	Thanksgiving Day
Independence Day	Christmas Day

No overwidth permit exceeding 16 feet will be valid from noon the day before the holiday until sunrise the day after the holiday.

Speed limits

Vehicles traveling at night must be capable of traveling at the posted highway speed unless otherwise noted on the permit.

The rate of speed may not exceed 40 miles per hour on bituminous surfaces if any axle grouping gross weight exceeds legal weight limits by more than 5,000 pounds, or if the gross vehicle weight is more than 120,000 pounds.

No overweight permit will be issued during any period of road restrictions that exceeds posted limits, except as provided for in the road restriction permit policy or unless an emergency has been declared.

(j) Manufactured Housing Permits

The maximum permissible overall limits for manufactured housing movements are 18 feet wide, 15 feet 6 inches high, and 120 feet long.

When moving all mobile homes and modular units with an overall width exceeding 14 feet 6 inches, including overhang, but not exceeding an overall width of 16 feet, lighted flashing amber lights will be required on the front of the towing vehicle and on the rear of the mobile home or modular unit. The lights must be at least four inches in diameter and must be visible for a minimum of 500 feet.

VEHICLE SIZES & WEIGHTS MANUAL

The rated gross vehicle weight of the tow vehicle must be based on the base width of the mobile home or modular unit that it is transporting as follows:

Width	Minimum GVW rating
10 feet or less	6,000 pounds
10 feet to 12 feet	8,000 pounds
12 feet or greater	9,000 pounds

The tow vehicle must be a registered vehicle. Vehicles such as a farm tractor cannot be used as a tow vehicle.

Flags must be displayed on all four corners of the mobile home or modular unit, and not less than four feet nor more than six feet above the roadway surface. An OVERSIZE LOAD sign must be displayed at the front end of the towing vehicle and at the rear end of the mobile home or modular unit.

(k) Annual, Extended, And/Or Other Permits

Identification supplements

If a number of permitted movements are anticipated in North Dakota, an identification supplement (SFN 3317) can be obtained from the Highway Patrol permit section. It is valid for the calendar year in which it is purchased and until January 31 of the following year. The supplement identifies the power unit and lists the maximum size and weight limitations for single trip permits that can be issued under it. The maximum axle weights or gross weights shown on the identification supplement will be reduced on some highways as indicated by the Permit Bridge Load Limitations map.

Identification supplements for vehicle combinations will be issued up to a maximum 14 feet 6 inches in width, 15 feet 6 inches in height, 120 feet in length, and 150,000 pounds gross vehicle weight. Maximum gross weight for single-unit vehicles shall not exceed 96,800 pounds on a four-axle vehicle, 106,800 on a five-axle vehicle, or 114,800 pounds on a six-or-more-axle vehicle. Telephone authority may be obtained for overwidth or overheight movements up to 18 feet.

Identification supplements must be carried in the vehicle and be validated for each movement by a single trip permit approval form (self-issue permit), before the movement commences. A separate identification supplement is required for each vehicle and axle configuration that includes overweight authority.

Moves under the identification supplement are not valid during spring road restrictions if the weights exceed posted limits on restricted highways or legal limits on nonrestricted highways.

Identification supplements may be issued for roading self-propelled earthmoving equipment, provided that the axle weights do not exceed 52,000 pounds per axle. Telephone authority must be obtained for any movement exceeding axle and/or gross vehicle weight limitations imposed by the Permit Bridge Limitation, Highway Load Limitation and/or Weight Limitation Maps.

(l) Sealed Containerized Cargo Permits

North Dakota does not have special requirements concerning sealed containerized cargo permits.

III. SUPER LOADS

Loads over 18 feet wide, 18 feet high, 120 feet long, and/or 150,000 pounds are considered super loads.

When applying for a super load permit you must submit a letter stating that the load cannot be broken down and that it cannot be moved by any other mode of transportation. You must include a diagram of the vehicle, load and a certificate of insurance.

Bridge analysis if needed - \$25.00

VEHICLE SIZES & WEIGHTS MANUAL

If over 18 feet wide, Highway Patrol may be required to escort. Fee: \$50 per hour plus \$.50 per mile.

If a load or vehicle movement exceeds 18 feet in width, the carrier must contact the NDHP commanders in the districts in which the load or vehicle is traveling. The receipt/permit will show the NDHP district(s) and phone number(s) so the carrier knows who to contact.

When an overheight load movement exceeds 18 feet, written authority is required from the utility companies (indicated on the permit).

When the overall length exceeds 120 feet, a pilot car is required to the rear.

When a load movement is made on a county highway system, permission is required from local authorities for that carrier to use the county system. The permit will generally list a phone number for that local authority.

Allow two to three days for processing.

IV. AGENCY REFERENCES

(a) Sizes and Weights

Regulatory agency/Permit agency/Enforcement agency

North Dakota Highway Patrol, Motor Carrier Division
(701) 328-2621 (Regulatory Agency and Enforcement Agency)
(701) 328-2621 (Permit Agency)
www.nd.gov/ndhp/

Super load

North Dakota Highway Patrol, Motor Carrier Division
(701) 328-2621
Hours: 7:30 a.m.-5 p.m. (Central Time)
www.nd.gov/ndhp/

VEHICLE SIZES & WEIGHTS MANUAL



I. I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Ohio must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	All Highways
Width:	8 ft 6 in (102 in)
Height:	13 ft 6 in
Length:	
Straight Trucks	40 ft
Truck-Trailer	65 ft
Tractor-semitrailer combinations	No limit (but must meet trailer length limit)
Tractor-twin-trailer combination	No limit
Semitrailer	53 ft
Trailers of twin-trailer combinations	28 ft 6 in
Saddlemount vehicle transporter	97 ft
Auto-transporter combination	65 ft (plus load overhang of 3 ft in front, 4 ft at rear)
Stinger-steered	75 ft (plus load overhang of 3 ft in front, 4 ft at rear)
Drawbar length	15 ft
Special limitations or restrictions	Length limits shall not include safety devices, bumpers attached to the front or rear of such bus or combination, B-train assembly used between the first and second semitrailer of a commercial tractor-semitrailer-semitrailer combination, energy conservation devices as provided in any regulations adopted by the Secretary of the United States Department of Transportation, or any non cargo-carrying refrigeration equipment attached to the front of trailers and semitrailers. In special cases, vehicles whose dimensions exceed those prescribed by this section may operate in accordance with rules promulgated by the director of transportation.

VEHICLE SIZES & WEIGHTS MANUAL

Weight:	All Highways	
	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Steering axle	N/S	N/S
Single axle	20,000 lb	20,000 lb
Tandem axle	34,000 lb*	**
Tridem axle	***	***
Load per inch width of tire	650 lb	650 lb
Gross vehicle weight	80,000 lb	80,000 lb
Tolerances	N/S	N/S

Special limitations or restrictions

* **Tandem axle** means two or more consecutive axles whose centers may be included between parallel transverse vertical planes spaced more than forty inches but not more than ninety-six inches apart, extending across the full width of the vehicle.

*** Two or more consecutive axles:**

The maximum gross weight on any two or more consecutive axles is determined by application of the Federal Bridge Formula:

**** On any two successive axles:**

1. Spaced four feet or less apart, and weighed simultaneously, 24,000 pounds;
2. Spaced more than four feet apart, and weighed simultaneously, 34,000 pounds, plus 1,000 pounds per foot or fraction thereof, over four feet, not to exceed 40,000 pounds.

*** **On any three successive load-bearing axles** designed to equalize the load between such axles and spaced so that each such axle of the three-axle group is more than four feet from the next axle in the three-axle group and so that the spacing between the first axle and the third axle of the three-axle group is no more than nine feet, and with such load-bearing three-axle group weighed simultaneously as a unit:

1. 48,000 pounds, with the total weight of vehicle and load not exceeding 38,000 pounds plus an additional 900 pounds for each foot of spacing between the front axle and the rearmost axle of the vehicle; or
2. As an alternative to (1) above, 42,500 pounds, if part of a six-axle vehicle combination with at least 20 feet of spacing between the front axle and rearmost axle, with the total weight of vehicle and load not exceeding 54,000 pounds plus an additional 600 pounds for each foot of spacing between the front axle and the rearmost axle of the vehicle.

The total weight of vehicle and load utilizing any combination of axles, other than as provided for three-axle groups, shall not exceed 38,000 pounds plus an additional 900 pounds for each foot of spacing between the front axle and rearmost axle of the vehicle.

When a vehicle is towing another vehicle, the drawbar or other connection must limit the spacing between the nearest axles of the respective vehicles to a distance not in excess of twelve feet and six inches.

VEHICLE SIZES & WEIGHTS MANUAL

OHIO TURNPIKE LIMITS

PERMITS ARE REQUIRED for vehicles, including any loads thereon, that exceed the following dimensional and weight limits:

- WIDTH:** 8 feet 6 inches – (102 inches)
HEIGHT: 13 feet, 6 inches – (Maximum Height 14 feet)
LENGTH:

Single units:

Trucks and 2-axle busses	40 feet
Busses with 3 or more axles	45 feet

Combinations:

Tractor-trailer	75 feet*(A)
Tractor-trailer and trailer (short doubles)	85 feet**
Other combinations of vehicles coupled together (includes house trailers etc.)	65 feet.*

* Length includes overhang, but excludes safety devices or bumpers attached to the front or rear of such combinations.

** Overhanging loads are prohibited. Length excludes safety devices or bumpers attached to the front or rear of such combinations.

* (A) Automobile transporters may have up to 4 feet overhang in the rear and 3 feet overhang in front (82 feet maximum).

NOTE: Some Toll Interchanges have signs reading the following.

****OVERSIZE AND HAZMAT LOADS PARK HERE – USE PHONE TO REGISTER ****

****ALL OVERSIZE / OVERWEIGHT VEHICLES AND VEHICLES PLACARDED FOR RADIOACTIVE, POISON INHALATION HAZARD (2.3, 6.1) OR EXPLOSIVES (1.1, 1.2, 1.3) MUST COMPLY****

Phone located by sign automatically connects to Toll personnel at interchange. If the Toll interchange does not have a registration phone, the vehicle operator shall park on the right shoulder (berm) and walk up to the main building and notify the Toll personnel.

LONG COMBINATION VEHICLES (LCVs): Special permits are available, subject to compliance with provisions established by the Commission, for the operation of LCVs (Long Double Trailer Combinations and Triple Trailer Combinations) on the Ohio Turnpike. For information and details contact the Traffic Engineer or view the website at www.ohioturnpike.org.

WEIGHT:

Maximum single axle load weight	21,000 lbs.
Maximum gross weight	90,000 lbs.
Tandem Axle Weight (4 ft. or less in spread)	24,000 lbs.
Tandem Axle Weight (more than 4 ft. but less than 8 ft.)	34,000 lbs.

NOTE: See Turnpike holiday and Construction travel restrictions for **overdimensional vehicles**.

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Permits are required when a vehicle or combination of vehicles and load exceeds legal size and/or weight limits and is to be moved on or across a state highway. Permits are issued for non-divisible loads only.

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Permits will not generally be issued for built-up loads that are divisible into legal loads or loads of least overdimension or the least overweight. Miscellaneous items may be transported on the same vehicle with an overdimensional piece or pieces so long as the miscellaneous items do not add to the overdimension.

Applicants can apply in person, by mail or online at www.dot.state.oh.us/Divisions/Operations/Maintenance/Permits/Pages/default.aspx. Online applicants must submit form OS-7 to set up an online account. Applicants must submit an insurance policy endorsement prior to application unless a current endorsement is already on file with the Ohio Special Hauling Permits Section.

The permit must be carried in the vehicle or combination of vehicles to which it refers. Copies are accepted as long as they are clearly legible and free of markings, writings, symbols, logos, etc., that are not part of the permit.

Single trip permits are:

- Valid for one move on the effective date of the permit between two specific points over prescribed routes; and
- Valid for five days; SASHTO permits are valid for 10 days.

Single trip and return permits are valid for an overweight/overdimension vehicle to make a movement between two specific points and returning to the origin over prescribed routes. The return trip under a single trip and return permit must take place within five days of the original movement.

Ohio form OS-1A, limitations/provisions on the use of the permit. A bill of lading or another similar document must accompany the shipment of goods or property under the permit. The driver must retain the statement of gross vehicle weight on his/her person.

Permit revisions are allowed under specific circumstances; contact Special Hauling Permits Section for more information. Extensions may be issued for any previously-issued single or single trip and return permits if extension requests are made in writing to the issuing office. Extensions will not exceed one calendar day for a single trip permit and three calendar days for a single trip and return permit.

The following vehicles and loads are exempt from permits as long as legal weights are not exceeded:

- Fire engines and fire trucks;
- Vehicles and pole trailers hauling metal or wood poles;
- Pipes;
- Well-drilling equipment; and
- Farm machinery and equipment (for self-propelled or towed equipment traveling less than 25 mph).

Prior to operating under the permit exemptions above, operators of such vehicles should check with the Ohio Special Hauling Permits Section. Also note that while a permit may not be required, there may be travel restrictions, such as daylight travel only, and/or flag/sign/light requirements.

SASHTO regional permits

The Southeast Association of State Highway and Transportation Officials (SASHTO) is a group of states that allows a carrier to obtain a single permit to cover all states, rather than apply for separate permits in each state. The SASHTO member states are Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, Missouri, North Carolina, Ohio, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.

VEHICLE SIZES & WEIGHTS MANUAL

The permit will only be issued for an “envelope” vehicle, transporting a non-divisible load, and whose dimensions cannot exceed the following:

Length:	100 ft overall
Height:	14 ft
Width:	14 ft
Weight:	120,000 lb GVW 20,000 lb Single Axle 40,000 lb Tandem Axle 60,000 lb 3 or more Axles

The permit is only available through select permit services, is only valid for a single one-way trip, and is valid for no more than 10 days, or less than five days. Carriers will be informed of applicable restrictions when the permit is issued.

(b) Fees

Cash, credit cards, checks, or money orders are accepted. Advance payment account available; deposits must be made by check or money order. As permits are issued, fees are deducted from the account. Trip permit fees are as follows:

Permit Type	Current Fees
Basic processing charge	\$10
Overweight up to 120,000 lb GVW	\$125
Return trips	\$65
Overweight exceeding 120,000 lb GVW	\$125, plus \$0.04/ton, over 60 tons, per mile traveled
Return trips	\$65, plus \$0.04/ton, over 60 tons, per mile traveled
Permit revision fee	\$40, plus basic revision fee
Overall width up to 14 ft and/or overall height up to 14 ft 6 in	\$55
Return trips	\$35
Overall width in excess of 14 ft and/or overall height in excess of 14 ft 6 in	\$125
Return trips	\$65
Permit revision fee	\$40, plus basic revision fee
Overweight and overwidth and/or over height	\$125, plus \$0.04/ton, over 60 tons, per mile traveled
Multi-state permit, overweight up to 120,000 lb GVW	\$125
Multi-state permit, overall width up to 14 ft and overall height up to 14 ft 6 in	\$55
Emergency trip	\$240
Return trips	\$115
Steel coil single trip permit	\$55
Steel coil continuing permit	\$115
Continuing overweight up to 120,000 lb GVW	\$490
Return trips	\$250

VEHICLE SIZES & WEIGHTS MANUAL

Permit Type	Current Fees
Continuing overweight exceeding 120,000 lb GVW	\$490, plus \$0.04/ton, over 60 tons, per mile traveled
Return trips	\$250, plus \$0.04/ton, over 60 tons, per mile traveled
Overwidth up to 14 ft and/or overall height up to 14 ft 6 in.	\$240
Return trips	\$125
Annual permit	\$460
Michigan legal weight permit	\$125 for vehicles up to 125,000 pounds or \$165 for vehicles exceeding 125,000 pounds
Construction equipment, farm equipment, marina permits, boat permits	\$100
Manufactured building permit	\$100
Permit revision fee	\$10

(c) Insurance Requirements

Minimum liability insurance is \$500,000 (may be increased if the risk to the transportation system exceeds minimum amounts).

(d) Permitted Vehicle Limitations

Dimensions:

- Width, minimum roadway width minus 8 feet for oncoming traffic, yields maximum permissible vehicle and/or load width on a particular bi-directional highway (if 8 feet can't be maintained, additional escorts may be required). On multiple-lane highways, 14 feet maximum width for routine permits.
- Height, four inches less than the least vertical clearance or other obstruction on the designated route.
- Length, maximum permissible length is limited by the capability of a vehicle and/or load to safely maneuver all physical features along the designated route without undue hazard or delay to other traffic.

Overweight: Bridges and other structures on the state highway system are rated for capacity, usually gross and axle load. Bridges determined to be unsafe for legal weight vehicles have signs posted that specify reduced weight limits. Stronger structures have ratings of 100% (Maximum Legal Weight), up to 150% (Maximum Permissible Weight). These 100 to 150% ratings are maintained in a computer inventory and are not posted at each structure. Routine permits for overweight, gross and/or axle, are issued for weights up to 150% or as limited by the least rated bridge on the designated route.

Axle Limitations:

Axle Type	Maximum Weight
Single axle	29,000 lb
Short tandem	36,000 lb
Long tandem	Maximum weight = 46,000 + (1000 x (S-4)) "S" is the spacing between two axles; if 4 ft 1 in. to 4 ft 5 in., round down to 4 ft; if 4 ft 6 in. to 4 ft 11 in., round up to 5 ft.
Short tri-axle or short quad axle	47,000 lb

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Axle Type	Maximum Weight
Long Tri Axle or Long Quad Axle	Maximum weight = $53,000 + (700 \times (L-8))$ “L” is the spacing between the first and last axle of this group (round to nearest foot).
Internal Axle Combinations	Group together adjacent axles in all possible combinations (round “L” after axle spacings are added). For each combination, maximum weight = $55,000 + (1000 \times “L”)$ Maximum weight may not exceed 120,000 lb.
Minimum Axle Weight	Every axle except the front axle must have at least 10,000 lb.

Tire Loads: Maximum weight = $800 \times \text{number of tires} \times \text{times the tread width of the tire in inches}$

(e) Sign Requirements

OVERSIZE LOAD warning signs, when required, must be at least seven feet long and 18 inches high and displayed on the front and rear of the overdimensional vehicle or vehicle/load. The sign must be yellow with black lettering at least ten inches high with a 1.41-inch brush stroke. If series E Modified is used, the brush stroke is to be two inches.

OVERSIZE LOAD signs are required:

- When the vehicle/load exceeds the maximum legal length limit;
- On any vehicle or vehicle/load with an overall width of ten feet or greater; or
- When the overall height is greater than 14 feet 6 inches.

(f) Flags and Lighting Requirements

Flags

Flags are required as follows:

- Eighteen-inch square red or orange flags, in good repair and free of printing or other markings, must be securely fastened by at least one corner or mounted on staff.
- Overwidth vehicles and loads must have two flags at the widest extremities of the vehicle or load as well as one flag at each corner of the vehicle or load. Warning flags are not required on the tractor.
- Overlength vehicles and loads or vehicles and loads with a rear overhang of four feet or greater must display a single flag at the extreme rear if the overlength or projecting part is two feet wide or less. Two flags must be displayed if the overlength or projecting portion is wider than two feet and the flags should be located to indicate maximum width.

Lights

Ohio has not specified lighting requirements for oversize/overweight loads.

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(g) Escort/Flagperson Requirements

Escorts, when required, must be used as follows:

Condition	Escort Requirement
Overall length exceeds 90 ft	One rear escort vehicle
Overall width exceeds 13 ft	One lead escort vehicle One rear escort on multi-lane highways
Overall height exceeds 14 ft 6 in	One lead escort vehicle with a height sensing device
Overall width exceed 14 ft 6 in. OR height exceeds 14 ft 10 in	One lead and one rear escort
More than one of the conditions set forth in the four conditions above	Two escorts, one lead and one rear (for example, a load exceeding 13 ft in width and 90 ft in length)

Front and rear escort vehicles must maintain a safe operating distance consistent with existing traffic conditions.

Flagpersons

The escort vehicle operator is to act as a flagperson when needed.

(h) Escort Car/Company Requirements

Escort vehicle operators are required to maintain radio communication with the operator of the permitted vehicle

Escort car signs, flags, and lights

The escort vehicle is required to be equipped with a roof mounted amber flashing or rotating light(s).

Escorts, when required by permit, must display a yellow OVERSIZE LOAD warning sign at least five feet long by 12 inches high with eight-inch high black lettering.

(i) Travel Restrictions

Travel of overweight vehicles that are not overdimensional may travel any time as long as the vehicle/load can move without obstructing normal traffic flow. Permitted vehicles/loads may move Sunday through Saturday from one-half hour before sunrise to one-half hour after sunset (with some exceptions as noted within this section).

No movements may be made between the hours of one-half hour after sunset to one-half hour before sunrise.

Overwidth permitted vehicles/loads greater than 12 feet wide may not travel:

- Within Butler, Clermon, Cuyahoga, Delaware, Fairfield, Franklin, Geauga, Hamilton, Lake, Licking, Lorain, Lucas, Madison, Mahoning, Medina, Montgomery, Pickaway, Stark, Summit, Union, Warren, and Wood Counties between the hours of 6:30 and 9 a.m. and 4:30 and 6 p.m.; or
- During the following travel times:
 - Saturday from 3 p.m. until one-half hour before sunrise on the following Sunday;
 - Sunday from 3 p.m. until one-half hour before sunrise on the following Monday; or

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- Friday from 3 p.m. until one-half hour before sunrise on the following Saturday (April 1 through November 30).

A permit is void at any time road, weather or traffic conditions make travel unsafe, as determined by the local State Highway Patrol Commander.

Permittee must check the route for conditions that may exist during any move (go to www.dot.state.oh.us/Divisions/Operations/Maintenance/Permits/Pages/default.aspx for temporary route closures/restrictions). Permission to travel county or township roads, local streets not part of the State Route, or the Ohio Turnpike must be obtained from the proper authorities.

Permitted vehicles traveling on freeways, expressways, or multi-lane undivided highways must remain in the extreme right-hand lane of the highway except as necessary to maintain movement, make left turns or exits, or to pass other vehicles. Overwidth vehicles may not pass other vehicles traveling in the same direction.

Holidays

No movements may be made from noon the day preceding and continuing until sunrise of the day following all national holidays and national holiday weekends:

New Year's Day	Good Friday*/Easter
Memorial Day	Independence Day
Labor Day	Thanksgiving Day
Christmas Day	

*No movement is allowed from sunrise on Good Friday to sunrise the following Monday.

Although movements are permitted, the Ohio DOT permit offices are closed on Martin Luther King Jr. Day, President's Day, Columbus Day, and Veterans Day.

Speed limits

Permitted vehicles must operate at the posted speed unless otherwise specified in the permit.

(j) Manufactured Housing Permits

Manufactured building permits are issued for unlimited number of movements of a manufactured building or manufactured building component. The manufactured building must be part of an overdimensional vehicle with legal weight, length, and height.

Movement of mobile homes, manufactured structures, office trailers, and park model recreational vehicles is prohibited when wind velocity exceeds 25 mph on the roadway or 15 mph on bridges.

(k) Annual, Extended, And/Or Other Permits

Steel Coil Overweight Movements

Single Trip Permits: Steel coil single trip permits are valid for five days and are used to transport three or fewer steel coils on a vehicle, for a total vehicle weight not exceeding 120,000 pounds.

Continuing Permits: Continuing steel coil overweight permits will allow unlimited moves of the same vehicle and approved load between the same two specified locations not to exceed 90 calendar days.

Annual Permits: Continuing steel coil overweight annual permits will allow unlimited moves of the same vehicle and approved load over the same specified route not to exceed 365 calendar days. Annual permit movements may only originate from an approved facility (the point of manufacture or processing facility that can monitor the loading and weighing of a vehicle to assure permit compliance).

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Continuing Permits

Upon application for a continuing permit, provide the estimated number of movements. Applicants must provide an interim report to the Special Hauling Permits office, within 45 days of the effective date of the permit, certifying the actual number of trips traveled under the permit. After the permit expires, the applicant is required to submit a final report certifying the total number of trips.

Michigan Legal Weight Permit: Michigan legal permits are issued for movement between a specified point in Williams, Fulton, or Lucas Counties in Ohio and the Michigan border or prescribed routes. The permitted weight is based on Michigan's weight laws, not to exceed 154,000 pounds with sufficient axles.

Blanket Permits

The following blanket permits are issued in Ohio:

- **Construction Equipment:** Construction equipment permits are issued for repeated movements of the same vehicle, including trailer and/or equipment or machinery, with a width that does not exceed 12 feet with legal weight, length, and height.
- **Farm Equipment:** Farm equipment permits are issued for the unlimited number of movements of farm machinery and equipment to or from a farm or between two farm implement dealers. The farm equipment must be part of an overdimensional vehicle with a width of 14 feet or less, with legal weight, length, and height.
- **Marina Permit:** This permit allows unlimited number of movements of boats to and from a point of storage, repair, or launch. The permitted vehicle must be part of an overdimensional vehicle with a width of 14 feet or less, load length of 65 feet or less, and overall length is 75 feet or less, with legal weight. The maximum height may not exceed four inches below the smallest vertical clearance for overhead obstructions on the route, and the overall height may not exceed 14 feet 6 inches. Pickup and delivery may not exceed a ten mile radius of state point of origin over state and U.S. highways. Movement is not authorized on fully controlled or limited access highways. The power unit may consist of an agriculture tractor or land tug. Such vehicle must have a three-digit number clearly displayed.
- **Boats:** Boat blanket permits are issued for repeated movements of the same vehicle with a width that does not exceed 12 feet with legal weight, length, and height.

Ohio Turnpike Oversize/Overweight Permits

Permits are required for vehicles, including loads, which exceed the legal dimensional and weight limits. Long combination vehicle (LCV) permits are available. For more information on LCV permits, go to www.ohioturnpike.org/truckers/permits/.

Permit restrictions and conditions are available at www.ohioturnpike.org/truckers/permits/.

Fee(s):

- Basic permit fee (one-way trip), \$20
- Permit revision, \$10
- Plus overdimensional fees (if applicable):

Condition	Fee
Overwidth up to 13 ft	\$10
Overwidth over 13 ft	20
Overheight up to 14 ft maximum	10
Overlength up to 90 ft	10
Overlength over 90 ft	20

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- Plus overweight fees (if applicable):

Condition	Fee
Overweight axles (GVW 90,000 lb or less)	Class 11
Gross overweight 90,001 to 115,000 lb	Class 10
Gross overweight 115,001 to 127,400 lb	Class 11
Gross overweight 127,401 lb and greater	Sum of classes for GVW
Gross overweight with overweight axle(s)	\$0.50/mile plus sum of classes for GVW

Travel Restrictions: Travel restrictions for the Ohio Turnpike can be found at www.ohioturnpike.org/restrictions/.

Holiday/construction restrictions are available at www.ohioturnpike.org/restrictions/.

Emergency Permits

- Valid for one day.
- Single trip and return permits are valid for three days.

Emergency single trip permit applicants may apply by telephone, and the permit may be granted orally. Applicants must submit the application and fee(s) the following business day.

(I) Sealed Containerized Cargo Permits

Sealed containerized cargo units that are part of international trade and moved on the highways due to exportation to another country qualify as a non-divisible load in Ohio when:

- The sealed container is being moved by a tractor-trailer combination, qualified to move from an Ohio point of origin to an approved Ohio intermodal facility with a destination point outside of the United States;
- The container retains throughout its transit, until reaching its point of destination, the original unbroken seal, or a replacement seal, affixed by a federal or state enforcement official pursuant to an inspection of its contents; and
- The contents of the container will be transported intact from the point of origin to the point of destination.

Unless the above conditions are met, a permit will not be issued. Before any permit is issued, the vehicle and route must first pass an analysis conducted by the Ohio Department of Transportation.

Fees

45-day, \$250

90-day, \$500

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Permit conditions

Permits for sealed international container movements are limited to continuing permits. Applicants must comply with the following:

If applying for a:	Then applicants must:
45-day permit	<ul style="list-style-type: none">• Provide an estimated number of moves to be made on the permit; and• Upon expiration, submit a final report to the Department certifying the total number of trips made on the permit.
90-day permit	<ul style="list-style-type: none">• Provide an estimated number of moves to be made on the permit;• Submit an interim report within 45 days of the permit's effective date, certifying the number of trips traveled under such permit; and• Upon expiration, submit a final report to the Department certifying the total number of trips made on the permit.

If a permit is voided, the permit holder must report to the Department the actual number of trips during the time the permit was effective. The report must include permit number, actual gross vehicle weight, axle weights, axle group weights, and the international container's seal number for each trip. Such certification must be submitted to the Department within seven days of the permit expiration or void date.

Sealed containerized cargo unit permits are issued under the following conditions:

- The operator transporting the unit under a permit must have on board at all times a bill of lading (the bill of lading must include consignor, point of origin, consignee, point of destination, and the number of the packer's cargo seal; the required documentation must be in hard copy format having a signature authenticating the document or a certification signed and dated or by an authorized agent of the permit holder stating that the attached document is authentic; the bill of lading may be original or copy; an original document must bear original signatures and copies must bear original signatures unless they bear a copy of a signature made before copying);
- All vehicles must be legal width, height, and length;
- Vehicles cannot exceed an overall gross vehicle weight of 94,000 pounds or the following axle weights:
 - Single axle, 29,000 pounds;
 - Overall tandem axle group, 42,000 pounds; or
 - Overall tridem or quad axle group, 60,000 pounds;
- Vehicles must have a minimum of five full-time load-bearing axles, an outer bridge length of 51 feet or more, and an inner bridge length of 36 feet or more; and
- Vehicles may not transport hazardous materials.

III. SUPER LOADS

Loads exceeding 14 feet wide, 14 feet high, 100 feet long, and/or 120,000 pounds are considered super loads.

When applying for a super load permit, all essential details of proposed movements must be included (axle weights, spacings, number of tires, etc.).

A route survey may be required when traveling off interstate routes.

All railroad crossings are noted on the permit and it is the responsibility of the driver (transporter) to contact the railroads.

Allow two to five days for processing application.

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IV. AGENCY REFERENCES

(a) Sizes and Weights

Regulatory agency/Permit agency

Department of Transportation, Special Hauling Permit Section
(614) 351-2300
www.dot.state.oh.us/Pages/Home.aspx

Ohio Turnpike Commission, Public Affairs Department
(440) 234-2081 ext. 2086 (permit information)
www.ohioturnpike.org/

Alternatively, permit applications may be presented in person to any of the Department's field offices, although the authority of these field offices is primarily limited to the approval of certain movements solely within their territorial boundaries. As a result, the applicant may be required to forward his application to the central office in Columbus. Field offices for the Department of Transportation are listed below:

District 1 (419) 222-9055	District 7 (937) 492-1141
District 2 (419) 353-8131	District 8 (513) 932-3030
District 3 (419) 281-0513	District 9 (740) 773-2691
District 4 (330) 786-3100	District 10 (740) 373-0212
District 5 (740) 323-4400	District 11 (330) 339-6633
District 6 (740) 363-1251	District 12 (216) 581-2100
State Highway Patrol (614) 466-2660	

Super loads

Ohio Department of Transportation, Special Hauling Office, Permit Section
(614) 351-2300
Hours: 7:30 a.m. - 11:30 a.m.; 12:30 p.m. - 4:30 p.m. (Eastern Time)
www.dot.state.oh.us/Pages/Home.aspx

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Reserved

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Statutes

Vehicle operations in the state of Oklahoma must comply with size and weight limitations. Statutes are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	All Highways
Width:	102 in
Height:	13 ft 6 in
Length:	
Straight Trucks	45 ft
Truck-trailer	70 ft
Truck-twin-trailers	70 ft
Tractor-semitrailer combinations (includes auto transporters)	No limit but must not exceed semitrailer length
Tractor-twin-trailer combination (includes auto transporters)	No limit but must not exceed semitrailer length
Tractor-triple-trailer combinations (includes auto transporters)	No limit but must not exceed semitrailer length
Stinger-steered auto transporter	75 ft
Saddlemounts	75 ft; 97 ft allowed on Interstate and National Network Hwy.
Special limitations or restrictions:	No other combinations may exceed 70 ft overall on all roads and highways. Auto transporters may have 3-ft front and 4-ft rear overhang. No automobile transporter vehicle may exceed 14½ ft in height.
Semitrailer	59 ft 6 in. Interstate and National Network Hwy.; 53 ft other hwy.
Trailers of twin-trailer combinations	53 ft each trailer Not to exceed 110 ft (cargo-carrying capacity limits; on Interstate and 4-lane divided highways only, 5 mi access)
	29 ft each trailer All roads and highways
Trailers of triple-trailer combinations	29 ft each trailer Not to exceed 95 ft (cargo-carrying capacity limits; on Interstate and 4-lane divided federal aid primary highways only, 5 mi access)
Special limitations or restrictions:	All triple-trailer combinations require an annual permit.
Weight: *	
Single axle	20,000 lb
Tandem axle	34,000 lb

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	All Highways
Tridem axle	42,000 lb
Gross vehicle weight	80,000 lb (on interstate subject to Federal Bridge Formula); 90,000 lb (off interstate)

*Effective 11/1/09, vehicles using auxiliary power or idle reduction technology units to reduce engine idling are allowed up to an additional 400 lb total on the gross weight limits. To be eligible, the operator of the vehicle must obtain written proof or certification of the unit's weight and must be able to demonstrate that the unit is fully functional. The additional weight is 400 lb or the actual weight of the unit, whichever is less.

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

A permit is required when a non-divisible vehicle or load which exceeds legal size and/or weight limits is to be moved upon the roads and highways of Oklahoma.

Single trip permits are issued for the duration of a trip of up to five consecutive business days; WASHTO permits are valid for five working days. A multiple-trip oversize permit may be issued for a specific motor vehicle, which can be identified by a vehicle identification number or serial number, for movement. Annual envelope vehicle permits are also available.

Applications will be accepted by the Size and Weight Permit Division of the Department of Public Safety in person, by phone, or online at <https://permitmanager.okladot.state.ok.us/okiepros/>.

All requests for overweight permits must go through the Oklahoma Department of Public Safety automated overload permitting system. Requests must be received at least five working days prior to the actual movement of the load.

Applicants must ensure accuracy of information contained in the application and permit, as permits will not be revised to alter the load description or the vehicle or load dimensions. Multiple-trip, annual permits, or provisional permits cannot be changed. Any other revisions are at the discretion of the permit office.

A permit may be placed in suspension by the permit holder for a maximum of two weeks for inclement weather, road conditions due to weather, and equipment breakdown. Only one suspension will be granted per permit. Contact the Department for more details.

Farm equipment, including but not limited to, implements of husbandry are exempted from the requirements for special permits due to size. Such equipment may move on a highway, except Interstates and designated highways, during the hours of darkness and are subject to the vehicle lighting requirements for farm equipment and tractors (as found in 47 Oklahoma Statute § 12-215). In addition, tractors pulling machinery over 13 feet in width must have two amber flashing warning lamps symmetrically mounted, laterally and widely spaced as practicable, visible from both front and rear, mounted at least 39 inches high.

Western Association of State Highway and Transportation Officials (WASHTO) permits —

Eleven western states: Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Oklahoma, Oregon, Texas, Utah, and Washington have joined together allowing carriers needing oversize/overweight permits for operation on the highways of the Regional Network. Although Louisiana is not a member of WASHTO, the state participates in the program. Each member jurisdiction may issue regional permits and collect fees allowing operations in the other members' jurisdictions. Certain requirements have to be met when applying for each permit.

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Permits are issued only for an “envelope” vehicle of the following non-reducible maximum dimensions:

- Length: 110 ft overall
- Height: 14 ft
- Width: 14 ft
- Weight: 160,000 lb gross weight
21,500 lb Single axle
43,000 lb Tandem axle
53,000 lb per Tridem (wheelbase more than 8 ft and less than 13 ft)

The single trip permit will be valid for a period of five working days, for use by the permitted vehicle only (tractor and trailer).

More information is available from the member jurisdictions listed below:

Arizona	(602) 712-7227	New Mexico	(505) 827-5100
Colorado	(303) 757-9201	Oklahoma	(405) 522-1800
Idaho	(208) 334-8000	Oregon	(503) 986-3452
Louisiana	(225) 377-7100	Texas	(512) 305-9501
Montana	(406) 444-6201	Utah	(801) 965-4113
Nevada	(775) 888-7070	Washington	(512) 305-9501

(b) Fees

Single trip permits	Fees
Oversize	\$40.00
Overweight (Plus \$10.00 for each 1,000 lb when the load exceeds legal load limit)	40.00
Oversize & Overweight (Plus \$10.00 for each 1,000 lb when the load exceeds legal load limit)	40.00
Multi-Trip Permit	40.00
Special mobilized machinery driveway permit	15.00
Rubber-tired road construction vehicles (including rubber-tired truck cranes and special mobilized machinery)	40.00

Fees must be paid via cash (exact change only), certified cashier’s check, money order, personal/company check, credit card (Discover®, MasterCard®, Visa®), or a monthly billing account.

Monthly billing accounts and provisional permits

The Department may authorize monthly billing accounts for individuals, companies, and corporations to defer payment of special permits issued for oversize and overweight vehicles.

A bond must be posted in an amount sufficient to cover the monthly billing; the minimum is \$5,000.

Each monthly billing account will be invoiced at the first of each month.

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Provisional permits

Provisional permits are:

- Available to all authorized carriers who have established monthly billing accounts with the Department;
- Issued for a single trip, non-divisible load for the safest practical route; and
- Valid only when the proper authorization number is clearly and legibly printed on the permit, and when all other information, including date of movement, general load description, estimated weight, oversize notation, route of travel, and truck and trailer license number is clearly and legibly printed on the permit.

Once a monthly billing account has been established, a provisional permit book may be ordered from the Department by providing:

- The monthly billing account number;
- A self-addressed, stamped 12- by 15-inch envelope; and
- A list of the permit numbers of permits remaining in any previously issued provisional permit books.

Provisional permits may be used only by the company or individual who established the monthly billing account. Provisional permits must not be destroyed or discarded. Provisional permit holders cannot use the provisional permit to obtain a permit for another company or individual.

Before calling a permit office for authorization to use a provisional permit, the permit holder must:

- Obtain all information necessary for completing the provisional permit (do not complete the provisional permit before calling a permit office);
- Present the information to the permit clerk and, at the same time, fill out the provisional permit exactly the way the information is given to the permit clerk;
- Ensure that all special instructions which are given by the permit clerk are written on the provisional permit;
- Write the account number on the same line immediately following the company name; and
- Mail the pink copy to the Size and Weight Permit Division in Oklahoma City on the day the provisional permit is ordered (note: if the pink copy is not received within three days, further provisional permits will not be validated).

Authorized motor carriers using provisional permits during weekends, holidays, and other approved times, must have the certification statement attached to the provisional permit when in use and when faxed to the Oklahoma City main office. Prior to permitted movement, a duplicate of the prepared permit and certification statement must be faxed to the Department. The certification statement is in lieu of the authorization number and certifies that all provisions for permitted movements have been met including, but not limited to, the required route study adherence as determined by the Oklahoma Department of Transportation. Certification statements shall be on a form prescribed by the Commissioner of Public Safety and shall be valid when signed by the motor carrier or an authorized agent of the carrier and filed with the Department of Public Safety.

(c) Insurance

There are no special insurance or bonding requirements for vehicles moving under oversize or overweight permits.

(d) Permitted Vehicle Limitations

Axle loading may not exceed 20,000 pounds or 600 pounds per inch and fractional part thereof of nominal tire tread width, whichever is smaller.

Longer combination vehicles (LCVs) may not exceed 90,000 pounds.

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The gross permitted axle weight on any axle capable of being lowered for use in supporting a load or retracted from such use by controls located in the cab, cannot exceed 8,000 pounds or the manufacturer's gross axle weight rating, whichever is less, and no tire on such axle will be permitted to carry weights exceeding 240 pounds per inch and fractional part thereof of tread width.

For operation on the Dwight D. Eisenhower National System of Interstate and Defense Highways, the width cannot exceed 16 feet.

The height of the vehicle and/or load must clear, by a minimum of two inches, the maximum height limitation for any overhead structure shown on the Vertical Clearance of Bridge Structures Map produced by and available from the Oklahoma Department of Transportation.

Maps for load-posted bridges on the Oklahoma Highway System are available on the Department of Transportation website and updated within two weeks of when changes occur. The map indicates, at the time of its updating, the locations of all load-restricted bridges and highways on the state highway system. The map does not, in any event, constitute a warranty.

(e) Sign Requirements

An OVERSIZE LOAD or WIDE LOAD sign must consist of a yellow background with black lettering on durable material. The sign must be at least five feet long and at least 14 inches high. The letters must be legible from a distance of at least 50 feet and at least eight inches high using a 1 1/8-inch wide brush stroke.

Signs must be mounted on the rear of the load or the towed vehicle (whichever extends the farthest) and must be as high as practicable from ground level.

Manufactured homes must display the sign no lower than five feet from ground level.

All oversize vehicles and loads moving under permit must have the regulation OVERSIZE LOAD sign attached to the front of the towing vehicle and on the rear of the load or towed vehicle, whichever extends the farthest.

An OVERSIZE LOAD sign must not be displayed on a vehicle that is of legal dimensions.

If an escort vehicle is required, the regulation OVERSIZE LOAD sign must be mounted either on the roof or on the front of the vehicle if movement is on two-lane highways or super two-lane roadways, or on the rear of the escort vehicle if movement is on multi-lane roadways.

(f) Flags and Lighting Requirements

Flags

Flags must be at least 18 inches square and must be solid red or fluorescent orange in color.

Overwidth and overlength vehicles and loads moving under permit, excluding extra-length vehicle combinations, must be marked by warning flags.

Flags must be placed at the four corners of the vehicle or load and on the extremities of the vehicle or load, if applicable, in the following manner:

Condition	Flag Requirements
Front	Two flags, one at each front corner or extremity of the vehicle or load, whichever extends farthest, if the width require the vehicle or load to be permitted.
Rear Overwidth	Two flags, one at each rear corner or extremity of the vehicle or load, whichever extends farthest, if the width requires the vehicle or load to be permitted.

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Condition	Flag Requirements
Rear overhang of 4 ft or more	One flag required at the extreme rear of the load if the width of the load projection is two feet or less. Two flags, one at each rear corner of the load, if the width of the load projection is more than two feet.
Side	A flag must be fastened to mark any extremity of size which is wider than the front or rear of the vehicle or load, whichever is wider.

Lights

Lighting requirements not specified by Oklahoma Regulations.

(g) Escort/Flagperson Requirements

Escort requirements are as follows:

Load size	Escort Car Requirements
Width of 12 feet or more but not more than 14 feet	Front escort vehicle on two-lane highways and on super two-lane highways. Rear escort on multi-lane highways.
Width greater than 14 feet	Two escort vehicles, one in the front and one in the rear, on two-lane highways or super two-lane highways. Rear escort is required on all multi-lane highways.
Width greater than 16 feet	Two escort vehicles, one in the front and one in the rear, on all roads and highways.
Overall height of 14 feet 6 inches or more	Two escort vehicles, one in the front and one in the rear. Note: All public utilities and railroads along the route must be contacted in advance of the move by the permittee.
Truck-tractor/semi-trailer combinations more than 80 feet in overall length	One front escort on two-lane highways.
Combinations other than truck-tractor/semi-trailers more than 80 feet in overall length	One front escort on two-lane highways or super two-lane highways.
Truck-tractor/semi-trailer combinations or any other combinations of vehicles more than 100 feet in overall length	Two escort vehicles, one in the front and one in the rear, on two-lane highways and super two-lane highways.

Flagpersons

Escort vehicle operators may need to act as flagpersons and direct traffic to stop, slow down, or proceed in situations to allow traffic or the escorted vehicle or load to continue moving safely.

The flagperson must require the escorted vehicle or load to stop, and the escorted vehicle must move as far off of the roadway as possible and stop to allow other traffic to pass, under the following conditions:

- If the escorted vehicle or load becomes disabled;

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- When the movement of the escorted vehicle or load on a particular section of roadway presents a safety risk or unreasonable risk to or unreasonably interferes with the efficient movement of other traffic;
- When driving conditions for the escorted vehicle or load are hazardous; or
- When the escorted vehicle or load stops, the escort vehicle operator may direct other traffic past the escorted vehicle or load as necessary until such time as the escorted vehicle or load can reenter the roadway and continue moving without presenting a safety risk or unreasonably interfering with efficient movement of other traffic.

(h) Escort Car/Company Requirements

Escort vehicles must be either a pickup truck of at least one-quarter ton rated load capacity or an automobile weighing at least 2,000 pounds and must be properly licensed.

The owner of an escort vehicle must display on each side of the escort vehicle the name, city, and state of the escort vehicle company or operator, or the owner of the escort vehicle, or both.

Escort operators may not act as tillermen while performing escort operations (a tillerman is a person who has a valid commercial driver license and who operates by remote control any axle of the escorted vehicle). A passenger in the escort vehicle may act as a tillerman.

Escort vehicles may not tow any trailer or other vehicles, except that an escort not required to be certified may tow a trailer when escorting a manufactured home. The trailer cannot exceed 8 feet 6 inches in width and 20 feet in length with siding not to exceed 4 feet in height measured from the bed of the trailer. The trailer may only be used to transport supplies and equipment necessary to carry out the mission of escort vehicle operators and cannot be used to carry supplies, cargo, or equipment.

Each certified escort vehicle operator who operates in interstate commerce, and on and after August 1, 2012, all certified escort vehicle operators, must maintain a valid insurance policy, and proof of insurance must be carried in the escort vehicles at all times. The insurance policy must protect the public against loss of life, bodily injury, and property damage, and must be at least \$1,000,000 combined single limit or \$1,000,000 per occurrence, or both, of commercial liability coverage. Coverage must be maintained at all times during the term of the certification. The insurance certificate must indicate on the face of the document that the policy is for the operation of escort vehicles and escort duties and responsibilities.

Until July 31, 2012, these requirements do not apply to any operator who operates only in intrastate commerce or in interstate commerce into or through states which do not have escort vehicle certification requirements for the type of vehicle and/or load being escorted and who applies for and is granted restricted certification; provided, the operator meets all minimum requirements for compulsory liability insurance and proof of insurance is carried in the escort vehicle at all times. Such operators may apply for a restriction certification.

Certification requirements

Every person who drives an escort vehicle for hire to escort a permitted over-dimensional load or vehicle in Oklahoma must be certified by the Department of Public Safety. To be certified, the person must meet the following requirements:

- Be at least 18 years of age;
- Possess a valid driver license from the state or jurisdiction in which the person is a resident;
- Submit an application for certification to the Size and Weight Permit Division of the Department of Public Safety on the form provided by the Department. The application must contain all required information including a driving record issued within the immediately preceding 30 days; and
- Attend a course in escort vehicle certification, as prescribed by the Department, and successfully pass the escort vehicle certification examination (for more information on courses, contact the Oklahoma Department of Public Safety or visit <http://www.dps.state.ok.us/swp/er.htm>).

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An escort vehicle operator shall possess an Oklahoma certification, unless the escort vehicle operator is a resident of a state other than Oklahoma which has a reciprocal agreement with Oklahoma *recognizing escort vehicle operator certifications issued by* that state and is in possession of a current escort vehicle operator certification issued by that state. Under all circumstances, an escort vehicle operator who is an Oklahoma resident must have an Oklahoma certification.

Oklahoma has reciprocal agreements with Utah, Colorado, and Virginia.

Escort car signs, flags, and lights

The regulation OVERSIZE LOAD sign for escort vehicles is the same as the sign required for the escorted vehicle, except that the escort vehicle sign must be at least 10 inches high.

Regulation OVERSIZE LOAD sign mounted either on the front or the roof of front escort vehicles and on the rear or on the roof of the rear escort vehicle while escorting an oversize vehicle or load (no signs may be displayed unless the escort vehicle is actually engaged in escorting).

If an escort vehicle is required, the regulation OVERSIZE LOAD sign must be mounted either on the roof or on the front of the vehicle if movement is on two-lane highways or super two-lane roadways, or on the rear or on the roof of the escort vehicle if movement is on multi-lane roadways.

Escort vehicles must be equipped with the following when escorting an oversize/overweight vehicle or load:

- Red flags at least 12 inches square attached to standards angled upward to the left and right at 45 degree angles and mounted on the top of the cab (no flags may be displayed unless the escort vehicle is actually engaged in escorting);
- Outside rear-view mirror must be on each side of the vehicle;
- Two-way radios capable of transmitting and receiving voice messages over a minimum distance of one-half mile and compatible with radios in the escorted vehicle and any other escort vehicle(s);
- One 10-pound or two five-pound ABC fire extinguishers (checked annually);
- Four 15-minute flares or three portable triangle reflector units;
- One AAMVA-approved rotating or flashing amber beacon or a flashing amber light bar system must be mounted on top of the escort vehicle (blue, red, or white rotating lights are not authorized);
- A height measuring pole made of non-conductive, flexible, non-fragile material when escorting a load or vehicle 15 feet 9 inches or more in height;
- Two standard 24-inch STOP and SLOW paddle signs, with reflective surfaces meeting the standards set out in the Manual of Uniform Traffic Control Devices;
- A hard hat and a jacket or vest, both of which meet standards set by the Manual of Uniform Traffic Control Devices, for each person who may be assigned to traffic control, setting reflectors or any other duties conducted on or near a roadway;
- Flashlight equipped with and powered by at least two D-cell batteries; and
- A full-size spare tire for the escort vehicle, tire jack and lug wrench.

Headlights must be lighted at all times during movement. Warning lights may also be used, but warning lights must be removed when not escorting an oversize/overweight movement.

(i) Travel Restrictions

Oklahoma may restrict or prohibit operations during periods when weather, traffic, road, or other conditions exist which make permitted moves unsafe or inadvisable.

Permitted daylight movements for vehicles or loads which are oversize are limited to travel from one-half hour before sunrise to one-half hour after sunset, seven days per week, except on specified holidays.

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Oversize and overweight movements are not allowed on Interstates and designated highways through Cleveland, Oklahoma and Tulsa Counties between 7 and 9 a.m., and 3:30 and 6:30 p.m., Monday through Friday.

Vehicles operating under special mobilized machinery driveaway permits are allowed to move on Oklahoma highways from the place of manufacture to the state line for delivery and exclusive use outside the state, and may be temporarily returned to Oklahoma for modification and repair, with subsequent movement back out of the state. Effective November 1, 2011, permits for special mobilized machinery will specify a maximum speed of 60 miles per hour. Such permits may also prohibit the use of Interstate system highways.

There are no travel restrictions for overweight movements, special combination vehicles, or longer combination vehicles.

Holidays

No travel on holidays allowed beginning at noon the day preceding the holiday.

No permitted loads (including weight) may travel on:

New Year's Day (January 1)

Memorial Day (last Monday in May)

Independence Day (July 4)

Labor Day (first Monday in September)

Thanksgiving Day (fourth Thursday in November)

Christmas Day (December 25)

Permitted loads may move on the state recognized holidays listed below if the permit is purchased prior to the holiday:

Veterans Day (November 11)

Martin Luther King Jr. Day (third Monday in January)

Presidents Day/Washington's Birthday (third Monday in February)

(j) Manufactured Housing Permits

Permits for movement of manufactured homes and industrialized housing require the standard OVERSIZE LOAD sign and required flags.

Manufactured homes not more than 10 feet wide and with an overall length exceeding 70 feet require a permit. The towing vehicle must be a truck with a rated capacity of $\frac{3}{4}$ ton or more.

For manufactured homes at least 12 feet wide but not more than 14 feet wide, the towing vehicle must be a truck of at least two-ton rated capacity with dual rear wheels. A front escort is required on all two-lane and super two-lane roads and highways. A rear escort is required on all multi-lane highways. The towing vehicle must maintain at least 40 miles per hour on all multi-lane highways. The load may not extend more than one foot on each side of the eaves.

For manufactured homes more than 14 feet wide but not more than 16 feet wide, the towing vehicle must be a truck of at least two-ton rated capacity with dual wheels. Both front and rear escorts are required on all two-lane and super tow-lane roads and highways. A rear escort is required on all multi-lane highways. Such manufactured homes are not allowed on any turnpike but are allowed on the Interstates and designed highways. The towing vehicle must maintain at least 40 miles per hour on multi-lane highways. The load may not extend more than one foot on each side of the eaves.

Manufactured homes more than 16 feet wide are not permitted on the Interstates and designated highways. The towing vehicle must be a tandem-axle truck of at least 220 horsepower. Both front and rear escorts are required on all two-lane and super two-lane roads and highways. A rear escort is required on all multi-lane highways. Travel on the turnpikes is prohibited. The towing vehicle must maintain at least 40 miles per hour on multi-lane highways. The load may not extend more than one foot on each side of the eaves.

Any combination length over 80 feet will require an escort, except on multi-lane divided highways.

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Annual envelope vehicle permits are not issued for the movement of houses or modular or manufactured homes. Contact the Department of Public Safety for more details on manufactured home permits.

Industrialized housing, houses, and buildings

The maximum width may not exceed 32 feet at the base and 34 feet at the top. The height may not exceed 21 feet on any state or federal highway.

Travel times and dates will be specified on the permit. Structures may not be moved on Saturday or Sunday.

Loads that are 14 feet or more in width, or in excess of 80 feet in overall length, must have two escorts with a flag person.

House movers must notify any railroad company across whose railroad a house or building is to be moved of the date, time of the anticipated crossing and obtain the train schedule. In all cases when overhead lines are present and the load is 15 feet 9 inches or more in height, the house mover will be required to notify any affected utility or railroad company in advance of the anticipated move, so overall safety measures can be taken and flagperson(s) can be provided.

For any structure in excess of 16 feet, the towing unit must be a tandem-axle truck of at least 220 horsepower.

Portable buildings

Movement of portable buildings requires the following:

- The towing vehicle for portable buildings not exceeding 14 feet in width may be any type of truck.
- If the portable building is more than 14 feet up to 16 feet in width, the towing vehicle must be a $\frac{3}{4}$ ton truck.
- Portable buildings must meet the same provisions for escorts and the regulation OVERSIZE LOAD sign and flagging.

(k) Annual, Extended, And/Or Other Permits

An annual permit may be issued for oversize/overweight loads that cannot be reasonably dismantled. Oversize or overweight loads operating under an annual permit may not exceed a:

- Width of 12 feet,
- Height of 14 feet,
- Length of 110 feet, or
- Gross weight of 120,000 pounds.

Vehicles operating under an annual permit may not transport a load that has more than a 25-foot front overhang or more than a 30-foot rear overhang.

No axle on a vehicle operating under the authority of an annual permit may exceed any of the following:

- Steer axle 600 pounds per nominal inch of tire tread width, multiplied by the number of tires, not to exceed a maximum of 15,000 pounds;
- Single axle, 20,000 pounds per axle;
- Tandem axle, 40,000 pounds/20,000 per axle, no less than four tires per axle; and
- Triple axle group, 60,000 pounds/20,000 per axle, no less than four tires per axle.

Annual permits issued for loads specific to turbine blades used for the purpose of wind generation may exceed the 110 feet length limit.

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Annual permits carry a \$4,000 non-refundable fee. Permittees operating under an annual permit must ensure the vehicle(s) are registered for the maximum weight prior to obtaining the permit.

A vehicle being moved under an annual envelope permit may not be moved on turnpikes except on non-interstate turnpikes (Indian Nation, Cimarron, Cherokee, Chickasaw, Creek, Muskogee, and Kilpatrick). The operator of a vehicle exceeding 10 feet in width moving under an annual envelope permit must use a valid PikePass to travel on these turnpikes and must only travel in a PikePass lane when in the area of any tollbooth or turnpike entrance or exit.

Annual vehicle permits are not transferrable between permittees but may be transferred from one vehicle to another in the fleet of the permittee provided that:

- The permitted vehicle was destroyed or otherwise permanently inoperable to the point that the vehicle will no longer be used and the permittee presents proof that the title or other documentation has been submitted to the Department of Public Safety; or
- The certificate of title to the permitted vehicle is transferred to someone other than the permittee, and the permittee presents proof to the Department of Public Safety that the negotiable certificate has been transferred.

An annual permit issued to a specific motor carrier may be transferred from one vehicle to another vehicle in the fleet of the permittee provided that:

- No more than one vehicle is operating at a time; and
- The original certified permit is carried in the vehicle that is being operated under the terms of the permit.

Annual permits may not be duplicated or laminated. However, replacement permits are available only if the permittee does not receive the permit within seven days after it is issued, a request for replacement is submitted to the Department of Public Safety within 10 business days after the original issuance, and the request is notarized and signed by a principal or officer of the permittee acknowledging that the permittee understands the permit may not be duplicated and that if the original permit is located, the permittee must return either the original or the replacement to the Department of Public Safety. Lost, misplaced, damaged, destroyed, or otherwise unusable annual vehicle permits will not be replaced and a new permit is required.

Annual permit fees

Annual permit type	Fees
Forest products in the raw state (tree-length logs moving from the forest to the mill or hauling for-hire or for resale round baled hay with a total outside width of 11 ft or less)	\$25.00
Overwidth or overheight equipment used in soil conservation work with a total outside width of 12 ft or less	25.00
Overweight special mobilized machinery	60.00
Oversize special mobilized machinery	10.00
Annual oversize/overweight vehicle permit	4,000.00

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Agricultural permits

Agricultural permits are issued as follows:

Permit type	Conditions
Transporting of raw forest products (not permitted on the Interstates and designated highways)	<ul style="list-style-type: none">• An annual permit with a fee of \$25;• Truck and trailer information submitted to the Size and Weight Permit Division of the Department; and• The regulation OVERSIZE LOAD sign and flagging.
Transporting of round baled hay 11 ft wide or less (permitted on Interstates and designated highways)	<ul style="list-style-type: none">• An annual permit with a fee of \$25;• Truck and trailer information submitted to the Size and Weight Permit Division of the Department; and• The regulation OVERSIZE LOAD sign and flagging.
Transporting of soil conservation equipment (not permitted on the Interstates and designated highways)	<ul style="list-style-type: none">• An annual permit with a fee of \$25; and• The regulation OVERSIZE LOAD sign and flagging.

(I) Sealed Containerized Cargo Permits

Oklahoma does not have special requirements concerning sealed containerized cargo permits.

III. SUPER LOADS

Loads in excess of 14 feet wide, 14 feet high, 100 feet long, and/or 120,000 pounds are considered super loads.

Loads in excess of 185,000 pounds must obtain route approval from the Oklahoma Department of Transportation, Bridge Division.

Information provided on all applications should include number of axles, spacings, weight of each axle and groups of axles.

Diagrams are required on loads over 180,000 pounds.

If the item being hauled is newly manufactured and 16 feet wide there will be a \$250 special handling fee added to the permit cost.

If hauling over 80,000 pounds, the vehicle must be registered to haul over 80,000 pounds. The maximum weight the state allows under an IRP cab card is 90,000 pounds. Contact your IRP base state to increase the weight.

Allow up to four days for approval.

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IV. AGENCY REFERENCES

(a) Sizes and Weights

Regulatory agency/Permit agency

Oklahoma Department of Public Safety, Size & Weight Permit Division
(877) 425-2390 (Ordering Permits)
(405) 425-7012
www.dps.state.ok.us/

Enforcement

Oklahoma Department of Public Safety, Size & Weight Enforcement Division, Troop S
(405) 521-6060 (Headquarters/Troop Duty Officer)
www.dps.state.ok.us/

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Reserved

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Oregon must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Width:	102 in	102 in
Height:	14 ft	14 ft
Length:		
Straight Trucks	40 ft	40 ft
Tractor-semitrailer combinations	No limit with legal trailer limit	*
Tractor-twin-trailer combinations	No limit with legal trailer limit	*
Semitrailer	53 ft	*
Trailers of twin-trailer combinations	**	*
Trailers of Tractor-Trailer-semitrailer combinations	56 ft****	Only allowed on other roads with variance permit.
Auto/boat transporter combination	***	
Stinger-steered	75 ft (plus 4-ft front, 5-ft rear overhang), 45-ft trailer	

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	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Special limitations or restrictions	<p>*Tractor semitrailer combinations: Group 1 highways – 60 ft; 53 ft for semitrailers. Group 2 and 3 highways – 60 ft; 40 ft for semitrailers.</p> <p>**Tractor-twin-trailers combinations: Group 1 highways – 75 ft Group 2 highways – 65 ft Group 3 highways – 60 ft On Interstate and designated highways, no semitrailer or trailer in a twin-trailer combination may exceed 40 ft; both trailing units together measured from the front of the 1st trailer to the rear of the 2nd trailer may not exceed 68 ft.</p> <p>***Auto/boat transporter combination (truck-tractor semitrailer): Allowed 65 ft overall on National Network and Route Map 7 Brown, Purple, and Black routes, provided the load does not extend more than 4 ft beyond the front of the power unit or more than 5 ft beyond the rear of the trailer; or May exceed 65 ft overall, provided the semitrailer does not exceed 53 ft, inclusive of ramps, and the load does not extend more than 4 ft beyond the front of the power unit or more than 5 ft beyond the rear of the trailer. (Route maps may be accessed at www.oregon.gov/ODOT/MCT/Pages/OD.aspx#Route_Maps)</p> <p>****56-ft trailer only allowed if the distance between the kingpin setting and the centerline of the rearmost axle of the trailer or semitrailer does not exceed 46 ft and the GVW does not exceed 80,000 lb. Operation limited to the OR Interstate highway system and 1 mile reasonable access from the Interstate. These combinations shall not be stinger-steered, and semitrailer must be used exclusively or primarily to transport vehicles in connection with motor sports competition events.</p> <p>Rear Overhang - Single Vehicle — Rear overhang on a single vehicle may equal $\frac{3}{4}$ the length of the vehicle's wheelbase. Overhang is measured from center of rear axle to rear of the load.</p> <p>Rear Overhang - Combination of Vehicles — Rear overhang on a combination of vehicles may equal $\frac{1}{3}$ the length of the wheel base of the combination. Overhang is measured from center of rear axle to rear of load.</p> <p>Rear Overhang - Mobile Home — Rear overhang on a combination of vehicles consisting of a motor vehicle towing a mobile home may extend more than $\frac{1}{3}$ but not more than $\frac{1}{2}$ of the length of the wheelbase of the combination.</p> <p>Utility trailer — not to exceed 15 ft in length or gross weight in excess of 8,000 lb.</p>	
Weight:*		
Single axle	20,000 lb	20,000 lb
Tandem axle	34,000 lb	34,000 lb

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	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Steering axle	20,000 lb	20,000 lb
Load per inch width of tire	The manufacturer's side wall tire rating (not to exceed 600 lb) x the sum of the tire widths, in inches, of the wheels of the axle or tandem axles = maximum allowable weight.	The manufacturer's side wall tire rating (not to exceed 600 lb) x the sum of the tire widths, in inches, of the wheels of the axle or tandem axles = maximum allowable weight.
-or-		
Gross wheel weight	10,000 lb	10,000 lb
Gross vehicle weight	105,500 lb	105,500 lb
Tolerances	None	None

*Oregon allows a 400-lb overweight axle and gross weight limit exemption for auxiliary power units.

Seasonal Weight Restrictions

Oregon's seasonal weight restrictions can be found at www.oregon.gov/ODOT/MCT/Pages/OD.aspx.

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

All vehicles and loads that exceed the legal size or weight limitations must obtain a special permit before traveling the highways of Oregon. The state, however, restricts the various kinds of vehicles and vehicle combinations operated under permit to certain highways (Groups 1, 2, or 3). The state will provide several maps that show where certain types of oversize/overweight vehicles may operate. Each applicant for a permit should obtain a set of maps before entering the state.

Special permits for oversize and overweight vehicles are issued by the State Highway Division at Salem and at authorized field offices.

Variance permits issued for non-divisible loads are valid from the effective date of the permit for a single trip within a 10 consecutive day period, multiple trips within a 30 consecutive day period, or continuous trips for one year.

Oregon has two general types of trip permits available for oversize and/or overweight vehicles:

- Single trip permits are valid for one movement of a single oversize and/or overweight vehicle, combination of vehicles or load which cannot be readily or reasonably dismantled. All requests for single trip oversize and/or overweight permits are considered individually with due regard for highway width, alignment, bridges and structures, traffic, road and weather conditions. The route and hours of movement are stipulated and the permit is valid for up to 10 days.
- Continuous trip permits are available for the continuing movement of a single oversize and/or overweight vehicle, combination of vehicles or load over specified routes and equipment. Any movement of a vehicle or combination of vehicles or loads not specified in the permit must be moved under authority of a single trip permit.

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Oregon's self-issuance program for variance permits provides for three levels of authorization:

- Level I authorization allows a motor carrier to self-issue single trip permits following a telephone application process (see OAR 734-072-0015); to qualify for Level I authorization, a motor carrier must make application to the Over-Dimension Permit Unit of the Motor Carrier Transportation Division located in Salem;
- Level II authorization allows a motor carrier providing certain log truck or full log truck towing services to independently issue a "pre-authorized" self-issue single trip permit to a "specific" power unit without calling the Motor Carrier Transportation Division; to qualify for Level II authorization, a motor carrier must make application to the Over-Dimension Permit Unit of the Motor Carrier Transportation Division located in Salem and certify that it has read and understands Level II requirements; and
- Level III authorization allows a motor carrier to independently self-issue single trip permits without contacting the Oregon Department of Transportation (ODOT); to qualify for Level III authorization, a motor carrier must make application to the Over-Dimension Permit Unit of the Motor Carrier Transportation Division located in Salem, and the carrier must:
 - Attend and successfully complete a training program conducted by the Over-Dimension Permit Unit;
 - Have purchased a minimum of 125 single trip permits for oversize/overweight movements within the 12 months preceding the application for self-issuance of permits; and
 - Be in good standing with the Motor Carrier Transportation Division by:
 - Not having more than one late highway use tax report in the 12 months preceding the application;
 - Having maintained current vehicle and tax registration with the Department during the 12 months preceding application;
 - Having no suspensions of tax registration with the Department during the 12 months preceding the application;
 - Having no more than a five percent underpayment finding on the most current weight-mile tax audit;
 - Having a satisfactory safety rating with the Motor Carrier Transportation Division or the U. S. DOT;
 - Signing an agreement of responsibility for the permitted moves; and
 - Filing proof of general liability insurance with the ODOT in the appropriate amounts.

Authorized carriers may purchase blank permits for the purpose of self-issuance from the Motor Carrier Transportation Division of the Department of Transportation, Over-Dimension Permit Unit office located in Salem.

Self-issued variance permits along with the permit attachments must be in the possession of the driver of the permitted vehicle.

Variance permits may also be issued by fax but authorize only single trip movements.

Carriers may obtain permits through J. J. Keller & Associates, Inc., Vehicle Services Office, at (800) 231-5266 or in person, by phone, or by mail at the permit office in Salem, at one of the Port of Entry operations, or at a number of field offices. Permits can also be obtained through Oregon's Trucking Online Service at www.oregontruckingonline.com/cf/MCAD/pubMetaEntry/index.cfm.

Various annual permits are also available. Annual permits may be obtained at some Port-of-Entry operations or certain field offices. They may also be ordered by phone or mail from the Permit Office in Salem, or certain designated Permit Agents.

Additional information may be found on the Oregon Motor Carrier website at www.oregon.gov/ODOT/MCT/Pages/index.aspx.

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Western Association of State Highway and Transportation Officials (WASHTO) permits

Eleven western states: Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Oklahoma, Oregon, Texas, Utah, and Washington have joined together allowing carriers needing oversize/overweight permits for operation on the highways of the Regional Network. Although Louisiana is not a member of WASHTO, the state participates in the program. Each member jurisdiction may issue regional permits and collect fees allowing operations in the other members' jurisdictions. Certain requirements have to be met when applying for each permit.

Permits are issued only for an "envelope" vehicle of the following non-reducible maximum dimensions:

Length:	110 ft overall
Height:	14 ft
Width:	14 ft
Weight:	160,000 lb gross weight 21,500 lb single axle 43,000 lb tandem axle 53,000 lb per tandem (wheelbase more than 8 ft and less than 13 ft)

The single trip permit will be valid for a period of five working days, for use by the permitted vehicle only (tractor and trailer).

More information is available from the member jurisdictions listed below:

Arizona	(602) 712-7227
Colorado	(303) 757-9201
Idaho	(208) 334-8000
Louisiana	(225) 377-7100
Montana	(406) 444-6201
Nevada	(775) 888-7070
New Mexico	(505) 827-5100
Oklahoma	(405) 522-1800
Oregon	(503) 986-3452
Texas	(512) 305-9501
Utah	(801) 965-4113
Washington	(360) 704-6340

(b) Fees

The state administrative fee charge is \$8.00 for every permit issued. The fee may be paid in cash, by check, or permit fee coupon. County administrative fees will be collected where applicable.

All vehicles are also subject to a weight-mileage tax. This tax is under the jurisdiction of the Public Utility Commissioner.

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Single trip permits issued for a single non-reducible item in excess of 98,000 pounds gross weight, are subject to road use assessment fees. These fees are based on axle, tandem axle and group axle weights for each mile traveled in Oregon. These fees are in lieu of the weight-mileage tax. Contact the state for more information.

Road use assessment fees for gross weights up to 240,000 pounds apply. The fee is determined by the motor carrier's declaration of gross weight and number of axles used. If gross weight exceeds 240,000 pounds, the fees will be computed by ODOT. Road use assessment fees are non-refundable unless the trip is not made.

Road use assessment fees also apply to moves made under self-issued variance permits.

A one-year overweight permit or a one-year overwidth permit is available for a fee of \$8.

(c) Insurance Requirements

Verification of public liability and property damage insurance and/or an indemnity bond may be required at the discretion and in the amounts determined by the granting authority.

The granting authority may require the applicant to furnish public liability and property damage insurance in a sum fixed by the granting authority and indemnity insurance, or an indemnity bond in a sum fixed by the granting authority.

Level III authorization self-issuance variance permits must file general liability insurance having an annual aggregate limit or at least \$2,000,000. Evidence of insurance filing must be in the form of a certificate of insurance signed by the carrier's insurer. If a general liability insurance policy becomes invalid, participation in the self-issuance of variance permits program will cease and be suspended until the policy becomes effective and is accepted by the ODOT. The general liability insurance required is in addition to the automobile liability insurance filing requirements applicable to motor carriers (see ORS 825.160).

(d) Permitted Vehicle Limitations

Under a continuing permit, the maximum width limit for heavy haul is 14 feet. The maximum width limit for trailer coaches and modular units is 14 feet. A special review may be required of some routes.

Requests for single trip permits are considered individually with regard for highway width, alignment, traffic, road, and weather conditions.

Under a continuing permit the legal height limit cannot be exceeded.

All requests for single trip permits are considered individually. Where bridges or structures are involved, the maximum height granted by a permit will be at least four inches below the vertical clearance of said bridges or structures. Where no bridges or structures are involved, heights in excess of 14 feet may be allowed for non-reducible loads providing the route is inspected for vertical clearance and approved for the movement.

Overweight

The maximum weight limitations are the same for continuing and single trip permits.

If any trailer or semitrailer is lighter by 1,500 pounds or more, such trailer or semitrailer shall be placed in the rear of the combination.

An overweight permit will be allowed for any single part or item but not allowed for a load consisting of two or more items. An overweight permit will be allowed for all parts of a disassembled machine on a single load providing that a permit would have been issued for the assembled machine.

Movements are subject to any posted weight limitations in effect on highways, bridges, or structures.

Weight Table 2, Extended Weight-Permit Required, applies to vehicles between 80,000 pounds and 105,000 pounds maximum (common vehicle types include truck-tractor-semitrailer (doubles), triple-trailer combinations, truck-tractor and tri-axle semitrailers):

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Axle Spacing in feet	Maximum Gross Weight in Pounds on:			
	5 Axles	6 Axles	7 Axles	8 or More Axles
47	77,500	81,000	81,000	81,000
48	78,000	82,000	82,000	82,000
49	78,500	83,000	83,000	83,000
50	79,000	84,000	84,000	84,000
51	80,000	84,500	85,000	85,000
52	80,500	85,000	86,000	86,000
53	81,000	86,000	87,000	87,000
54	81,500	86,500	88,000	91,000
55	82,500	87,000	89,000	92,000
56	83,000	87,500	90,000	93,000
57	83,500	88,000	91,000	94,000
58	84,000	89,000	92,000	95,000
59	85,000	89,500	93,000	96,000
60	85,500	90,000	94,000	97,000
61	86,000	90,500	95,000	98,000
62	87,000	91,000	96,000	99,000
63	87,500	92,000	97,000	100,000
64	88,000	92,500	97,500	101,000
65	88,500	93,000	98,000	102,000
66	89,000	93,500	98,500	103,000
67	90,000	94,000	99,000	104,000
68	90,000	95,000	99,500	105,000
69	90,000	95,500	100,000	105,500
70	90,000	96,000	101,000	105,500
71	90,000	96,500	101,500	105,500
72	90,000	96,500	102,000	105,500
73	90,000	96,500	102,500	105,500
74	90,000	96,500	103,000	105,500
75	90,000	96,500	104,000	105,500
76	90,000	96,500	104,500	105,500
77	90,000	96,500	105,000	105,500
78	90,000	96,500	105,500	105,500

Weight Table 3, Heavy Haul Weight-Permit Required (<http://tinyurl.com/weighttable3>), contains the maximum weight for single-trip permits (based on the number of axles and wheelbase). Other maximums include 600 pounds per inch of tire width; 21,500 pounds per single axle; 43,000 pounds per tandem axle; or the weight shown on the overdimension permit and the sum of the permissible axle, tandem axle, or group axle weight, whichever is less. Weight Table 3 applies to common vehicle types including truck-tractor-lowbed semitrailer, truck-tractor-semitrailers and boosters.

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Weight Table 4, Heavy Haul Weight-Permit Required (<http://tinyurl.com/weighttable4>), contains maximum weight based on number of axles and wheelbase. Table 4 allows for more weight using a shorter wheelbase than that authorized by Table 3. Other maximums include 600 pounds per inch of tire width; 21,500 pounds per single axle; 43,000 pounds per tandem axle; or the weight shown on the overdimension permit and the sum of the permittable axle, tandem axle, or group axle weight, whichever is less. Weight Table 4 applies to common vehicle types including self-propelled cranes, truck-tractor-lowbed semitrailers, truck-tractors with jeep and semitrailer, or truck-tractor with semitrailer and booster.

Weight Table 5, Heavy Haul Weight-Permit Required (<http://tinyurl.com/weighttable5>), contains maximum weights for specific vehicle configurations only. It provides up to 48,000 pounds per tandem axle if the combination of vehicles has at least nine axles, with a steer axle followed by four consecutive tandem axles which are eight feet wide (standard). Ten percent more weight may be allowed when the combination has 10-foot wide axles with four tires per axle. Instead of 48,000 pounds per tandem, this allows up to 60,000 pounds. Use of Weight Table 5 is more complex than the other weight tables and may require special analysis by the Over-Dimension Permit Unit. Contact ODOT for details.

An online weight analysis tool is available to companies that need to determine the weight of a divisible or non-divisible load and what's allowed under a permit. Visit <http://tinyurl.com/weightanalysis> to access the online tool.

(e) Sign Requirements

Warning signs are to be 7 feet by 1½ feet with 10-inch black letters of a 1⅝ inches brush stroke, in accordance with Federal Highway Administration standard alphabet series C, on a highway yellow background. The highway yellow background of the sign shall be made of reflectorized material when operating between ½hour after sunset and ½ hour before sunrise. Signs must be kept clean, legible, and mounted horizontally to provide full visibility and readability at all times. Signs may not cover or interfere with the visibility of the Oregon tax identification plate or the registration plate.

Warning signs with a reflectorized yellow background are required when operating between sunset and sunrise for triple trailers, a log-truck and pole trailer towing a self-supporting trailer, and a log-truck towing a stinger-steered pole trailer which also tows a stinger-steered pole trailer when the overall length exceeds 80 feet. These combinations of vehicles must have a warning sign with the legend LONG LOAD or OVERSIZE LOAD displayed on the back of the rearmost vehicle. This sign, seven feet wide by 18 inches high, must be kept in good repair, free from dirt, grease and road film to be clearly readable to following drivers. Signs must be impervious to water.

Oversize

Warning signs must be displayed on the front and rear of the vehicle combination and must state OVERSIZE LOAD except for the following instances:

- If the width exceeds eight feet six inches and the combination of vehicles being towed does not exceed 80 feet in length (inclusive of load) or the overall combination length does not exceed 105 feet (inclusive of towing vehicle), the sign may bear the legend WIDE LOAD; or
- if the width does not exceed eight feet six inches and when the combination of vehicles being towed exceeds 80 feet in length (inclusive of load) or the overall combination length exceeds 105 feet (inclusive of towing vehicle), the sign may bear the legend LONG LOAD.

Other overwidth movements may require red flags. The outermost points of overwidth loads must be marked during daylight hours by red flags not less than 18 inches square, visible to the front and rear. Loads up to 10-feet wide traveling at night must have marker lights at the outermost points of the load.

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(f) Flags and Lighting Requirements

Flags

Flags must be red and at least 18 inches square, visible to the front and rear. The attachment device must not extend beyond the widest extremity by more than three inches on either side.

Lights

An overwidth vehicle or a vehicle towing or hauling an overwidth load must be equipped with amber warning lights when the width exceeds 10 feet on a two-lane or 12 feet on a multi-lane highway. The lights must be mounted above the roof of the cab, be clearly visible from a distance of 500 feet, have a minimum of 30 flashes per minute, and be either:

- Two flashing amber lights as widely spaced laterally as is practical;
- Revolving type amber light(s); or
- Amber type strobe light(s) with 360 degree visibility.

(g) Escort/Flagperson Requirements

The following pilot vehicle(s) are required when width exceeds eight feet (eight feet six inches for commercial vehicles). When one pilot vehicle is required, it shall travel in front of the oversize unit. When two pilot vehicles are required, one must be in front and one must be at the rear of the oversize unit:

Width	Interstate and Multi-Lane High-ways	Routes shown in Green on Route Map 2	Routes shown in Purple on Route Map 2	Group Map 1 Group 1 Highways	Group Map 1 Group 2 Highways	Group Map 1 Group 3 Highways
Up to 9 ft	NONE	NONE	NONE	NONE	ONE	TWO
9 ft 1 in. to 10 ft	NONE	NONE	ONE	ONE	ONE	TWO
10 ft 1 in. to 11 ft	NONE	NONE	ONE	ONE	ONE	TWO
11 ft 1 in. to 12 ft	NONE	NONE	ONE	TWO	TWO	TWO
12 ft 1 in. to 14 ft	NONE	ONE	TWO	TWO	TWO	TWO
14 ft 1 in. to 16 ft	ONE in REAR	TWO	TWO	TWO	TWO	TWO
Over 16 ft	As specified by the permit	As specified by the permit	As specified by the permit	As specified by the permit	As specified by the permit	As specified by the permit

The following pilot vehicle(s) are required for front overhang:

In addition to the standard requirements for pilot vehicle(s) on overwidth movement, the following provisions shall apply to the hauling of shovels, draglines, loaders, or cranes with attached booms on truck-tractor and semitrailer combinations:

- Four-lane highways - no additional; and
- Two-lane highways - one pilot vehicle shall precede all movements having a front overhang in excess of 10 feet (15 feet for mobile cranes and fixed load vehicles) beyond the front or foremost part of the vehicle.

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Pilot vehicle(s) required when overall length is more than 95 feet

Length	Interstate and Multi-lane highways	Route Map 2 Two-Lane Green Routes	All other Two-lane highways
95 ft 1 in. to 105 ft	NONE	NONE	ONE
105 ft 1 in. to 120 ft	NONE	ONE	ONE
120 ft 1 in. to 140 ft	ONE	TWO	TWO
Over 140 ft	As specified by the permit	As specified by the permit	As specified by the permit

On overlength moves of 120 feet or more, a rear escort is required on two-lane highways. On moves 140 feet or more front and rear escorts are required on two-lane highways, and a rear escort is required on four-lane highways.

An oversize load must be preceded by a pilot vehicle on two-lane highways when the front overhang is in excess of 15 feet. There are no requirements on Interstate and Multi-lane highways. These overhang escort requirements are in addition to the requirements for overwidth.

Flagperson requirements

Movement of certain oversize loads may require traffic stops or controls to provide for safe passage of the load. Under certain conditions, a pilot car operator, certified in traffic control, may direct traffic.

A pilot vehicle (escort) operator must be certified to direct traffic and the following apply:

- A pilot vehicle operator must attend and satisfactorily complete ODOT training related to directing traffic flow;
- The training must include procedures that provide a process to close a section of highway for the safe passage of an oversize load;
- Successful completion of refresher training is required every three years after initial certification; and
- Proof of certification must be carried, and made available upon request by law enforcement, when conducting operations.

When movements require traffic stops or controls by certified pilot vehicle operators, at a minimum, a front and rear pilot vehicle are required. The lead pilot vehicle must be equipped with a sign that reads STOP AHEAD and the sign must be mounted above the roofline of the pilot vehicle, constructed to ODOT specifications for Type Y5 signs, kept clean and legible, and displayed only during operations. The rear pilot vehicle must be equipped to stop oncoming traffic using a handheld STOP/SLOW paddle a minimum of 18 inches across and that has internal lighting or that is faced with prismatic sheeting.

(h) Escort Car/Company Requirements

Escort/Pilot vehicles may be required to ensure safety during the movement of oversize loads. Pilot vehicles may be a passenger car, pick-up, truck, or truck tractor. Combinations of vehicles are not authorized. Pilot vehicles are to be placed 300 to 500 feet from the oversize load.

Escort car signs, flags, and lights

Warning signs on escort vehicles shall be five feet wide by 10 inches high with eight-inch black letters of a one-inch brush stroke, in accordance with Federal Highway Administration standard alphabet series B, on a highway yellow background. The yellow background must be made of reflectorized material.

Pilot vehicles must have OVERSIZE LOAD warning signs that are 5 feet wide by 10 inches high mounted above the roofline of the vehicle, two flashing amber warning lights, a revolving amber warning light, or an

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amber strobe light with 360 degree visibility, two-way radio communication with the oversize vehicle, and carry two 18-inch square red flags on three foot staffs, and eight safety flares or reflectors. The warning sign must be visible to the front and rear of the vehicle. Pilot vehicles are under the direct control and supervision of the towing vehicle operator.

If three pilot vehicles are required by permit, and the load will cross the centerline of the highway, additional signs that read REDUCE SPEED and MOVE RIGHT may be required.

It shall be the duty of the pilot vehicle operator to warn approaching or overtaking traffic as the case may be of any hazard caused by the movement, by the use of approved signaling devices or flags and signs. Flares may not be used when escorting hazardous materials. Pilot vehicles shall on rural highways maintain a distance ahead or behind the movement of not less than 300 feet nor more than 500 feet. In cities or in congested areas where traffic is controlled by signals, this distance shall be reduced as may be required to protect the traveling public.

(i) Travel Restrictions

Time of travel restrictions for overwidth loads are as follows:

HAULING HOURS AND DAYS FOR OVERWIDTH MOVEMENT				
	A	B	C	D
OVERALL WIDTH	HOURS OF DARKNESS Route Map 2 Green Routes Year Round Except Observed Holidays • Requires Lights on Outermost Extremities	MEMORIAL DAY TO LABOR DAY DAYLIGHT TRAVEL • Saturday After Noon and Sunday Last Monday in May to the first Monday in September	PORTLAND, SALEM, EUGENE, GRANTS PASS AND MEDFORD • Urban Areas • Non-Interstate Highways • 7 to 9 a.m. and 4 to 6 p.m.* *Referred to as City Hours on permits	OBSERVED HOLIDAYS New Year's Day, Memorial Day, Independence Day, Labor Day, Christmas • Noon on last business day preceding observed holiday to one-half hour before sunrise of first business day following observed holiday THANKSGIVING • Noon Wednesday before Thanksgiving to one-half hour before sunrise on Monday following Thanksgiving
UP TO 10 FT	Allowed	Not Allowed	Allowed	Not Allowed
10 FT 1 IN TO 12 FT	Not Allowed	Not Allowed	Allowed	Not Allowed
12 FT 1 IN TO 14 FT	Not Allowed	Not Allowed	Not Allowed	Not Allowed
OVER 14 FT	Not Allowed	Not Allowed	Not Allowed	Not Allowed

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Additional City Restrictions

Vehicles, loads, or manufactured homes/modular units over 12 feet overall width - movement is not allowed between 7 to 9 a.m. and 4 to 6 p.m. on business days:

- Portland on Interstate 5 from the Oregon/Washington border to the Junction of OR217 (Northbound and Southbound).
- Medford on Interstate 5 between exit numbers 24 and 33 (Northbound and Southbound).

Vehicles/loads over 14 feet overall width or manufactured/modular units over 14 feet at the base or 15 feet overall - movement is not allowed:

- Portland, Salem, Eugene, Grants Pass, and Medford; urban areas, on all highways, between 7 to 9 a.m., 11 a.m. to 1 p.m., and 4 to 6 p.m.
- Portland outside the urban area - between 7 to 9 a.m. and 4 to 6 p.m. Monday through Friday on the following highways:
 - Interstate 5 between milepost 278 and the Oregon-Washington border;
 - Interstate 84, between milepost 15 and the junction of Interstate 5 at milepost 0;
 - Interstate 205; and
 - US Highway 26 (Sunset Highway), from milepost 64 east to Portland.

Business day is any day Monday through Friday, except holidays. **Daylight hours** mean one-half hour before sunrise until one-half hour after sunset. **Holidays** are those listed above and include any other days the state officially **observes** the holiday.

EXCEPTIONS TO THE ABOVE TABLE OF RESTRICTIONS FOLLOW:

During (A) Hours of Darkness:

- When the width does not exceed 12 feet, movement is allowed on the Interstate Highways. Manufactured homes/Modular Units are limited to 10 feet in width on the Interstate Highways during hours of darkness. **Note:** When operating during the hours of darkness, the outermost extremities must be illuminated by lamps/markers described in ORS Chapter 816. Lighting requirements so described in ORS Chapter 816 and in FMCSR Chapter 393 apply to before sunrise and after sunset.

During **(B) Summer Weekend Daytime Hours** (Memorial Day to Labor day) when overall width does not exceed 14 feet, movement is allowed:

- Only on Interstate Highways west of the summit of the Cascade mountains.
- On any authorized highway east of the summit of the Cascade mountains.

Note: Loads over 14 feet in width are authorized by single trip permit only and may be specifically restricted. Exceptions may or may not apply. Read your permit provisions carefully.

During **(D) Observed Holidays** when overall width does not exceed 14 feet, movement is allowed on Interstate Highways, US97, and any route located east of US97 shown in Black on Route Map 6 for Manufactured/modular units or Route Map 9 for oversize/overweight vehicles and loads per the following schedule:

Thanksgiving:

- Movement is allowed Thanksgiving Day, Friday and Saturday.

New Years Day, Memorial Day, Independence Day, Labor Day, Christmas Day:

- (1) When holiday or observed holiday falls on Friday:
 - Movement is allowed Friday and Saturday.

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(2) When holiday or observed holiday falls on Monday:

- Movement is allowed Saturday and Sunday.

Carriers self-issuing permits under Level III authorization must coordinate all moves with the appropriate city or county jurisdictions, as required.

Holidays

In addition to the holiday restrictions mentioned above, the following holiday travel schedule summary applies for authorized routes only:

Thanksgiving Schedule:

- Shutdown time is noon on Wednesday;
- Movement is allowed Thanksgiving Day, Friday and Saturday;
- No movement Sunday;
- Loads authorized to move during hours of darkness may travel beginning 12:01 a.m. Thursday through midnight Saturday then again at 12:01 a.m. Monday. All others may start one-half hour before sunrise on those days.

When holiday or observed holiday falls on Friday:

- Shutdown time is noon on Thursday;
- Movement is allowed Friday and Saturday;
- No movement Sunday;
- Loads authorized to move during hours of darkness may travel beginning 12:01 a.m. Friday through midnight Saturday then again at 12:01 a.m. Monday. All others may start one-half hour before sunrise on those days.

When holiday or observed holiday falls on Monday:

- Shutdown time is noon on Friday;
- Movement is allowed on Saturday and Sunday;
- No movement Monday;
- Loads authorized to move during hours of darkness may travel beginning 12:01 a.m. Saturday through midnight Sunday then again at 12:01 a.m. Tuesday. All others may start one-half hour before sunrise on those days.

When holiday falls in the middle of the week (Tuesday, Wednesday, Thursday):

- Shutdown time is noon the day before the holiday;
- No movement on the holiday;
- Loads authorized to move during hours of darkness may start at 12:01 a.m. the day following the holiday; all others may start one-half hour before sunrise.

Observed holidays that are not travel restricted in Oregon include Martin Luther King, Jr. Day (January), President's Day (February), and Veteran's Day (November).

(j) Manufactured Housing Permits

The following requirements for towing vehicles of mobile homes must be met:

- Wheelbase — Cab over engine not less than 89 inches; conventional or cab forward not less than 120 inches.

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- Drive axle — Equipped with dual wheels. Two spare tires to be carried, ready for use.
- Engine horsepower — Able to maintain minimum speeds of 45 mph on interstate highways and 35 mph on other highways.
- 8,000 pounds minimum gross vehicle weight rating (GVWR) if the base width is up to 10 feet or the overall width is up to 11 feet.
- 15,000 pounds minimum GVWR if the base width exceeds 10 feet up to 14 feet or the overall width is greater than 15 feet.
- 32,000 pounds minimum GVWR if the base width exceeds 14 feet or the overall width exceeds 15 feet.

Length of the unit is not to exceed two vehicles in combination (the towing vehicle and the unit being transported) and with a maximum overall length of 85 feet, except that:

- The overall length may be 95 feet on Interstate highways and other state highways approved for the longer overall length by written order of the State Highway Engineer (by single trip permit).
- An overall length of 110 feet is allowed on Interstate highways and multilane highways or as authorized by a single trip permit.
- The unit being towed shall not be longer than 75 feet including tongue.

A combination consisting of a truck-tractor or toter towing a manufactured home, mobile home, or modular building unit chassis may operate on a 30-day multiple trip permit under the following conditions:

- Chassis length inclusive of tongue may not exceed 75 feet.
- The chassis may not be loaded end to end but may be staggered lengthwise for transport.
- Overhang cannot extend more than five feet off the rear of the chassis.
- Overall length may not exceed 105 feet on interstate/multilane highways or 95 feet on two-lane green and brown routes on Route Map 7.
- The chassis transporting the load must be equipped with brakes and lights that meet federal regulations (49 CFR Part 393).

Width of units must not exceed 14 feet overall width unless a single trip permit or a limited duration permit is issued. Such units are subject to the following:

- The unit cannot exceed 16 feet at the base; and
- The overall width may not exceed 18 feet (a unit that exceeds 16 feet in width at the base may be allowed if the ODOT determines that public interest requires the impending movement and that the movement can be performed safely).

A mobile home may have an eave provided the eave does not extend beyond either side by:

- More than 30 inches for units with a base width of less than 16 feet; or
- More than 16 inches for units with a base width of 16 feet or more.

External appurtenances such as doorknobs, window fasteners, eave cap, clearance lights and load securement devices may exceed the width of the unit by a distance not greater than two inches on each side.

While in transit, not to exceed 14 feet in height unless proper route clearance has been obtained and so indicated by the permit.

Rearview mirrors must be extended to give view to the rear of the move, but must be retracted when not hauling or towing an overwidth load.

Movement of mobile homes or modular building units is prohibited on:

- New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day and Christmas Day. When a holiday falls on a Sunday, then the following Monday shall be considered the

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day the holiday is observed and movement is not permitted from 2 p.m. Friday until daylight Tuesday. Also, movement is not permitted from noon on the Wednesday preceding Thanksgiving Day until daylight on Monday following Thanksgiving Day; or

- Saturday afternoons and Sundays after Memorial Day and before Labor Day.

Movement is also prohibited:

- During limited visibility conditions;
- If a unit exceeds 12 feet in width, in the urban areas of Portland, Salem, Eugene and Medford, on non-interstate highways, between the hours of 7 to 9 a.m. and 4 to 6 p.m.; and
- If a unit exceeds 14 feet in width, in the urban areas of Portland, Salem, Eugene and Medford, on all highways between the hours of 7 to 9 a.m., 11 a.m. to 1 p.m., and 4 to 6 p.m.

OVERSIZE LOAD warning signs are to be displayed to the front and rear.

Pilot vehicle requirements vary according to the proposed route. When pilot cars are required, each vehicle must carry at least two red flags, each on a three-foot staff, and eight flares. Also, the towing vehicle and all pilot vehicles shall maintain two-way radio communication.

All lower corners of the unit shall be marked with red flags, 12 inches square, so mounted that the holder does not extend beyond the unit.

(k) Annual, Extended, And/Or Other Permits

Annual, continuous operation permits based on Weight Table 3 (see <http://tinyurl.com/weighttable3>) allow up to 98,000 pounds for non-divisible loads.

Transportation of overlength logs, poles, pilings, and structural members

Permits may be issued only for the following types of vehicle combinations:

- Log truck and pole trailer coupled together by stinger and reach; the stinger is to be at least five feet in length;
- Log truck and independently operated manually or mechanically steered trailer;
- Truck tractor semitrailer and trailer combination; the trailers shall be coupled together by stinger and reach and the distance from the front of the first trailer to the rear of the second trailer shall not exceed 68 feet;
- Truck and trailer coupled together by means of a stinger and the trailer tongue; the stinger is to be at least five feet in length;
- Truck transporting a pole by means of a pole dolly and pole draw bar device that is attached to the leading end of the pole and attached to the towing vehicle by means of a pintle hook;
- An auxiliary axle may be authorized for the purpose of distributing the weight of the load; and
- The Chief Engineer may designate other types of vehicle combinations.

A combination of vehicles operating is subject to rear overhang requirements as follows:

- If rear overhang exceeds legal limits, a single trip permit or a continuous trip permit may be issued for rear overhang;
- In addition to any other pilot vehicle requirements specified on a permit, if rear overhang exceeds 25 feet, the permit will specify the requirement of a rear pilot vehicle for travel on any portion of a non-interstate multi-lane highway when the normal route to the destination requires the combination to exit the multi-lane portion of such highway;
- Rear overhang will be measured from:
 - The rearmost direct weight bearing pivot point to the end of the load of a pole trailer; or

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- The rearmost load bearing point of any other trailer, exclusive of any non-load bearing appurtenances, regardless of any log bunks attached to the trailer.

A vehicle, including but not limited to an auxiliary axle, attached to the rear of the rearmost trailer in the combination for the purpose of distributing load weight will not be considered in determining rear overhang.

The allowable overall lengths for the combinations of vehicles and load subject to these rules must not exceed those lengths indicated for the various highways listed on permit attachment 17.

All state highways approved for operation of vehicle combinations and loads under permit are those indicated on permit attachment 17. Separate permission must be obtained from proper authorities for operation over county roads, city streets or other roads not under State Highway jurisdiction.

As various state highways or sections thereof are reconstructed or improved to an extent that longer overall vehicle and load lengths can safely travel the highway, the Chief Engineer may by written order and at the Chief Engineer's discretion authorize lengths in excess of those indicated on permit attachment 17. In the same manner, the Chief Engineer may add additional highways, or sections thereof with corresponding overall lengths as the Chief Engineer deems appropriate to those highways listed on permit attachment 17.

If the vehicle combination consists of a log truck and independently operated manually or mechanically steered trailer an overall length will be permitted which exceeds by 15 feet those indicated on permit attachment 17.

A load may include related items provided it does not exceed the length allowed for the longest permitted item.

Operators under permits for overlength log, poles, pilings, and structural members may be subject to special travel restrictions, warning flags/lights, and pilot car requirements. Contact the ODOT for details.

Special variance permits during periods of national emergency

A special variance permit may be issued during an emergency to a divisible overweight vehicle and a load if:

- The President of United States has declared the emergency to be a major disaster under the *Robert T. Stafford Disaster Relief and Emergency Assistance Act* (42 U.S.C. 5121 et seq.);
- The permit is issued in accordance with Oregon law;
- The permit is issued exclusively to a vehicle and load that is delivering relief supplies and removing debris; and
- The issuance of the special variance permit is to exceed the Federal weight limitations on Interstate highways only.

A permit issued will expire 120 days after the date of the declaration of emergency. For purposes of this permit, facilitating delivery of relief supplies may include, but are not limited to medicine and medical equipment, food supplies (including feed for livestock), water, materials used to provide or construct temporary housing, debris removal, and other supplies directly supporting the type of relief needed following a disaster.

The term "delivering" means transporting relief supplies to any destination that is part of the geographical area covered by the emergency or major disaster declaration. Special variance permits may be issued to vehicles destined for a disaster area located in another state.

A person who is issued a special variance permit during periods of national emergency for a divisible load over 98,000 pounds is required to pay road use fees in addition to the permit fee.

(I) Sealed Containerized Cargo Permits

Overweight permits are available for vehicles laden or unladen and designed and used exclusively to transport overseas marine containers that are en route to or from a marine port or an intermodal transportation facility. Travel is authorized only on routes indicated in green on Route Map 7. The semitrailer may not be

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longer than 53 feet, and overall length must be 105 feet or less. The combination of vehicles may consist of no more than one truck-tractor, one jeep, one overseas marine container trailer, and one booster axle.

III. SUPER LOADS

Loads in excess of 14 feet wide (16 feet on interstates), 17 feet high, 150 feet long, and/or 98,000 pounds are considered super loads.

All super load permit applications must include the following:

- Axle spacings;
- Number of axles;
- Axle weights;
- Actual gross weight; and
- Description of the vehicle (height, width, length, weight).

Drawings are not required, but are helpful.

Vehicles over 14 feet wide must travel between 9 - 11 a.m. and 1 - 3 p.m. in Portland, Salem, Eugene, Medford, and Grants Pass.

Vehicles hauling loads exceeding 80,000 pounds must be registered to haul over 80,000 pounds. The maximum weight the state allows for an IRP cab card is 105,500 pounds. Contact the IRP base state to increase vehicle weight.

Permit may take up to 10 days to issue.

IV. AGENCY REFERENCES

(a) Sizes and Weights

Regulatory agency/Permit agency

Oregon Department of Transportation, Over-Dimensional Permit Unit
(503) 378-5849
Hours: 7 a.m. - 5 p.m., Monday - Friday
www.oregon.gov/odot/Pages/index.aspx

Super loads

Motor Carrier Transportation
(503) 373-0000
Hours: 7 a.m. - 5 p.m., Monday - Friday
www.oregon.gov/ODOT/MCT/Pages/OD.aspx

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Reserved

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I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Pennsylvania must comply with size and weight limitations. These limitations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Width:	102 in	96 in; 102 in (Combinations*); 102 in (Trucks)
Height:	13 ft 6 in	13 ft 6 in
Length:		
Straight Trucks	40 ft	40 ft
Truck-trailer	No limit	No limit
Tractor-semitrailers	No limit	No limit
Tractor-twin-trailers	No limit	Not allowed
Semitrailer	53 ft**	53 ft**
Trailers of twin-trailer combinations	28 ½ ft	Not allowed*
Auto-Boat transporters	65 ft (plus 3-ft front, 4-ft rear overhang)	65 ft (includes 3-ft front, 4-ft rear overhang)
Stinger-steered	75 ft (plus 3-ft front and 4-ft rear overhang)	75 ft (includes 3-ft front and 4-ft rear overhang)
Special limitations	Maximum length of a non-divisible load carried on a combination of vehicles is 70 ft, which may include overhang. The extension of a load beyond the extremities of a vehicle cannot exceed 3 ft to the front and 6 ft to the rear.	
	*Truck combinations are permitted up to one mile from the Interstate and designated highways on state-approved access routes with lanes at least 10 ft wide. Additional information on 102 in. routes in Pennsylvania can be found at ftp://ftp.dot.state.pa.us/public/PubsForms/Publications/PUB%20411.pdf	
	**All trailers regardless of length must have a maximum of 41 ft from kingpin to center line of rear axle, or rear axle group, and must be equipped with a rear under ride guard.	
Weight:*		
Single axle	22,400 lb if GVW is 73,280 lb or less; 20,000 lb if GVW is greater than 73,280 lb	22,400 lb if GVW is 73,280 lb or less; 20,000 lb if GVW is greater than 73,280 lb

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	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Tandem axle	36,000 lb if GVW is 73,280 lb or less; 34,000 lb if GVW is greater than 73,280 lb	36,000 lb if GVW is 73,280 lb or less; 34,000 lb if GVW is greater than 73,280 lb (42,800 lb for 3 & 4 axle trucks registered in Classes 17 & 20, respectively)
Tridem axle	54,000 lb if GVW is 73,280 lb or less; 42,000 lb if GVW is 80,000 lb	54,000 lb if GVW is 73,280 lb or less; 42,000 lb if GVW is 80,000 lb
Steering axle	20,000 lb	20,000 lb
Load per inch width of tire	800 lb	800 lb
Gross vehicle weight	80,000 lb for combinations	73,280 lb for motor vehicles
Tolerance	3% on axle weight, except vehicles weighed on stationary scales on interstate highways	3% on axle weight

*The maximum gross weight and axle weight for any motor vehicle equipped with idle reduction technology may be increased by an amount necessary to compensate for the additional weight of the idle reduction technology. The additional weight may not exceed 400 lb and is in addition to the tolerances already established.

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

The Secretary of the Pennsylvania Department of Transportation (PennDOT), and local authorities in their respective jurisdictions, may at their discretion, upon application in writing and the showing of good cause, issue special permits authorizing the movement of excessive size or weight vehicles or non-divisible loads. When a permit is issued by the Secretary, no other authorities shall require any further or additional permit for highways under the jurisdiction of the department.

Special hauling permits will not be issued for a vehicle or combination of vehicles, including the load or loads carried thereon, which can be reasonably dismantled, reduced, disassembled, or otherwise rearranged so as not to exceed the legal size or weight limits. Even if a vehicle or load cannot be brought within the legal limits, it shall be dismantled, reduced, disassembled, or otherwise rearranged as much as is practicable.

Annual permits may be issued for movements of certain items during the course manufacture. Items that may be moved under this type of annual permit include but are not limited to boats, trailers, mobile homes, oxygen furnace lances, railway equipment and rails, aircraft refueling vehicles, or vehicles and combinations carrying raw milk, raw coal, flat-rolled steel coils, steel slabs, hot ingots, pulpwood, and wood chips. Contact PennDOT for details on these permits.

Applications for permits should be made on-line via Automatic Permit Routing/Analysis System (APRAS), but may be made to the district offices in person or by mail. The application must be accompanied by a certified check or money order covering any required fees, unless the applicant is registered with the Central Permit Office in the monthly billing system. The check should be payable to PennDOT. Company checks are accepted only from registered persons. Payment must be submitted within three workdays after permittee receives the permit.

Permit applications are submitted via the internet by applicants who have an updated account number. Most web-submitted applications are processed in under a minute via APRAS and the applicant can request the permit to be sent by e-mail.

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Applications made on the Internet or by fax are accepted only from registered persons. Registered persons will be invoiced monthly. Upon receiving the monthly invoice, the applicant must remit the required fee which may be made in the form of a company or personal check. Phone applications are restricted to book permits. Applications for NASHTO multi-jurisdictional permits must be made on the internet and by an authorized permit service.

Trip permits are valid only for five days and for a single trip in one direction between two points designated. A return trip may be authorized if requested.

Single-trip special hauling book permits are available for oversize movements.

No special permit shall be required for movement across, upon or along state or state aid highways for oversize and/or overweight vehicles of a contractor used within a construction area for the construction or improvement of such highways.

No movement shall be started until a Special Hauling Permit has been issued. The driver must carry the permit and a copy of the department's Form M-938 (map of urbanized areas & general conditions) with him/her at all times during the move. Unless exempted, a certificate must be available stating that the lights, brakes, tires, steering mechanisms and coupling devices of all units involved with the move have been checked within seven days of movement under the permit. These devices must all be in good condition and safe for travel. This certification is not required for those units which comply with 49 CFR 396.11 (relating to drivers vehicle inspection reports).

The Special Hauling Permit must be available for inspection at all times during the move by police officers or representatives of PennDOT.

Permit supplements are available to change a route or to substitute a different motor vehicle (due to breakdown, or to change the schedule date of movements escorted by State Police, or to a change in the registration number of a vehicle). Permit supplements will not be issued to change weights, dimensions, the permittee's name, or type of load.

For emergency movements at hours when the permit offices are closed, the owner of the transporting equipment shall, prior to making any movement apply for and obtain a permit by the internet or telephone the State Police at (717) 346-5348, and provide satisfactory information on the nature of the emergency, the vehicle to be permitted and the route of travel. Within 72 hours of the movement, the owner of the transporting equipment shall apply for a permit at the district permit office nearest to the point of entry or point of origin in this Commonwealth, to cover the movement in the manner prescribed in §179.9 (relating to issuance of permits).

To obtain oversize/overweight loads on the Pennsylvania Turnpike, go to <http://www.paturnpike.com/Permit/>.

(b) Fees

Single Trip Permit (oversize) —

up to 14 ft	\$25.00
over 14 ft	\$50.00

Annual Permit for Special Mobile Equipment with Overweight Axles \$300.00

Single Trip Permit (overweight) — \$25/\$50 plus 3¢ per ton-mile

Supplemental Permit — No fee.

State Escort — State police escort fees will be applied on over- time costs.

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(c) Insurance Requirements

Applicants for permits may register with the Central Permit Office by filing a registration agreement for special hauling permits and a surety bond. The surety bond must be at least \$5,000. Except in the case of a permit service, the name of the applicant must be identical to the registration agreement and surety bond and on a permit issued under such agreement. A person desiring that permits be issued in more than one name must register separately under each name and file separate registration agreements and surety bonds.

A person that complies with the surety bond and registration agreement is considered to be a registered applicant and will receive from the Central Permit Office a registration agreement. The agreement will indicate the account number (which is used when applying for permits) and the name and address of the registered person.

(d) Permitted Vehicle Limitations

The maximum for overwidth permits in Pennsylvania is considered on an individual basis.

A movement more than 16 feet wide is considered a super load. At least three weeks prior to the movement of a super load, a completed preliminary application must be submitted in writing to the central permit office, together with justification for the movement.

There is no general maximum for overheight permits in Pennsylvania. The height limit is determined by the overhead structures on the route.

A movement more than 160 feet long is considered a super load. At least three weeks prior to the movement of a super load, a completed preliminary application must be submitted in writing to the central permit office, together with justification for the movement.

Other permits will be decided upon the basis of highways to be traveled, traffic conditions, highway safety and highway protection concerns.

A special hauling permit will be issued for a combination having a gross weight which does not exceed either the general gross weight in Table 1 or the axle weight limits in Table 2.

A combination will be authorized to carry a gross weight up to the maximum gross weight in Table 1, subject to the bridge engineer's review and approval of the supplemental application and the routes which cross bridges.

Table 1

Combination of Vehicles truck tractor & semitrailer			General Gross Weight	Maximum Gross Weight
No. of axles		No. of axles		
2	&	1	66,000	66,000
2	&	2	91,000	91,000
2	&	3	102,000	102,000
2	&	4	111,000	111,000
3	&	1	91,000	91,000
3	&	2	116,000	120,000
3	&	3	127,000	147,000
3	&	4	136,000	174,000
4	&	1	102,000	102,000
4	&	2	127,000	147,000
4	&	3	136,000	174,000
4	&	4	136,000	201,000

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Table 2

Number of Axles in Group	Distance Between Extreme Axles in Axle Group	Maximum Weight Upon Any Axle in Axle Group	Maximum Weight Upon Axle Group
One	---	27,000 pounds	27,000 pounds
Two	4 feet to 8 feet	26,000 pounds	52,000 pounds
Three	8 feet to 16 feet	21,000 pounds	63,000 pounds
Four	12 feet to 24 feet	18,000 pounds	72,000 pounds

To determine the general and maximum gross weight limits for a combination of vehicles not identified in Table 1, add the applicable weight limits for the unidentified vehicle, as specified in Table 2, to the appropriate gross weight limits specified in Table 1.

No combination shall operate with axle weights in excess of those specified in Table 2, except in the following instances:

- A combination having axle weights in excess of the limits specified in Table 2 will be authorized to carry axle weights up to 27,000 pounds, subject to removal of all removable parts, the bridge engineer's review and approval of the routes which cross bridges, and completion of the supplemental application.
- An overweight super load combination (gross weight exceeding 201,000 pounds) having axle weights in excess of 27,000 pounds may be authorized where no feasible alternative is available, provided the applicant agrees to shore — in a manner approved by the bridge engineer — each bridge loaded in excess of its operating rating. The applicant shall also submit security satisfactory to the Department.

Permits may not supersede a lesser weight limit posted on a bridge or highway; however, permittees may apply for a permit to exceed posted weight.

A combination of vehicles hauling flat rolled steel coils or slabs may obtain an annual permit only to move upon specified highways a distance not exceeding 50 miles, provided, however, that the gross weight shall not exceed 100,000 pounds. No permit may be issued for this type of movement upon an Interstate highway. No axle weight may exceed 21,000 pounds.

(e) Sign Requirements

Clean yellow warning signs at least 7 feet wide by at least 18 inches high and containing only the words OVERSIZE LOAD in black letters at least 10 inches high with a minimum two-inch letter stroke, shall be mounted on the front of the permitted oversize vehicle and on the rear of the permitted oversize vehicle or load, unless otherwise specified in the permit.

When the load has been removed and the vehicle is no longer oversize, all OVERSIZE LOAD signs must be removed or covered.

(f) Flags and Lighting Requirements

Flags shall be clean, measure at least 18 inches square, and be plain, red, or fluorescent orange in color. All points of excessive width and length (including an overlength vehicle or combination or a load extending more than four feet beyond the rear of the combination) shall be marked with flags.

When an oversize movement is made within an urbanized area between 3 a.m. and sunrise, the permitted vehicle and load shall be illuminated with additional lighting on all sides so as to be clearly visible from 1,000 feet in all directions.

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(g) Escort/Flagperson Requirements

If the total length of the vehicle or combination, including a load on the combination, exceeds 90 feet, or if the load extends more than 15 feet beyond the rear of a combination, a pilot car shall follow the permitted vehicle on all highways to warn and direct traffic, especially in lane change areas. The pilot car may temporarily lead the permitted vehicle to direct traffic while the vehicle or combination is negotiating a sharp or right angle turn.

If the total width of the vehicle or combination and its load exceeds 13 feet:

- A pilot car shall follow the permitted vehicle to warn and direct traffic when operating on highways having two or more lanes which carry traffic in the same direction as the permitted vehicle;
- On highways having only one lane which carries traffic in the same direction as the permitted vehicle, a pilot car shall precede the permitted vehicle to warn and direct traffic; and
- A pilot car shall follow the permitted vehicle when accompanied by a police escort.

If the total height of the vehicle or combination including any load exceeds 14 feet 6 inches, a pilot car shall precede the permitted vehicle by 1,000 to 3,000 feet on all highways to detect critical overhead obstructions by means of a height pole or other height sensitizing device. Affected public utilities shall be notified by the permittee at least one day prior to the permitted movement to arrange for the relocation of affected wires.

Pilot car requirements for overweight movements are as follows:

- If the permit requires the vehicle to travel over bridges at reduced speeds, a pilot car shall follow the permitted vehicle to warn and direct traffic while the permitted vehicle is traveling at reduced speeds.
- If the permit requires the permitted vehicle either to be the only vehicle on a bridge span or to occupy more than one lane while crossing a bridge, pilot cars shall precede and follow the permitted vehicle on each such bridge which supports two-directional traffic. A pilot car shall follow the permitted vehicle on each bridge which supports one-directional traffic.

An overweight vehicle not capable of maintaining 40 mph on limited access highways must be accompanied by a following pilot car.

Oversize permitted vehicles require a preceding and following pilot car when operating within an urbanized area during hours of darkness. A permitted vehicle not capable of maintaining 40 mph on limited access highways within an urbanized area may be authorized to operate on limited access highways within an urbanized area only from 9 a.m. to 4 p.m. when accompanied by a following pilot car.

Permitted oversize vehicles operating within an urbanized area between 3 a.m. and sunrise shall be accompanied with a pilot car escort. Also, a permitted vehicle not capable of maintaining 40 mph on limited access highways requires a following pilot car.

If an escort by the State Police is necessary, the application shall be submitted to PennDOT to allow for the State Police to be notified by the Central Permit Office at least 24 hours prior to initial movement under the permit. State police escort fees will be applied on overtime costs.

(h) Escort Car/Company Requirements

Pilot cars shall maintain visual and two-way radio contact with the permitted vehicle or combination during movement, except for intermittent interruptions which are not under the driver's control, such as terrain or traffic interruptions.

Escort car signs, flags, and lights

All headlights and taillights of a permitted vehicle or combination traveling with a pilot car escort shall be illuminated during the movement. Pilot cars shall be equipped with one or two flashing or revolving amber lights, which are to be continuously operated during the movement.

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When a pilot car is required, a clean yellow warning sign at least five feet wide by at least one foot high containing only the words OVERSIZE LOAD in black letters at least 8 inches high shall be mounted on both the front and the rear of the pilot car.

(i) Travel Restrictions

Movement under a permit is not authorized from sunset to sunrise, on Saturday after noon, Sundays, holidays and the day preceding each holiday, except in an emergency requiring immediate movement for protection of life or property.

A permitted vehicle, combination or load which does not exceed 107,000 pounds gross weight and which does not exceed any size limitations (i.e., length, width or height) may be driven, hauled or towed 24 hours a day, seven days a week if the vehicle or combination is operated at prevailing speeds. Movement is not authorized during any of the following:

- A holiday period specified in department regulations or in the permit; or
- Inclement weather.

Movement is restricted during unfavorable weather or road conditions. Unfavorable conditions include snow covered highways until pavement has been plowed full width, icy pavements until highway has been salted, driving rain, fog, snow storm, or other conditions that limit visibility to less than 1,000 feet, or winds sufficient to cause the wheels of the semitrailer to deflect more than six inches from the path of the wheels of the drawing vehicle.

Movement in urbanized areas is authorized seven days a week, except for holidays, only from 3 to 7:30 a.m., 9 a.m. to 4 p.m., and 7 p.m. to sunset.

Movement is only allowed from 9 a.m. to 4 p.m. through the Fort Pitt, Squirrel Hill, or Liberty Tunnels in Allegheny County.

When an oversize movement is made within an urbanized area between 3 a.m. and sunrise, the permitted vehicle and load shall be illuminated with additional lighting on all sides so as to be clearly visible from 1,000 feet in all directions. Such movement shall be accompanied by a pilot car escort.

Permission must be obtained from the National Park Service for travel on Traffic Route 209 between its intersection with TR 402 in Monroe County and TR 6 in Pike County. See Form M-946A for National Park Service phone numbers.

From Memorial Day to Labor Day, permitted travel is allowed between sunrise and sunset Monday to Thursday, and between sunrise and noon on Friday. From Labor Day to Memorial Day, permitted travel is allowed between sunrise and sunset Monday to Friday, and between sunrise and noon on Saturday.

Holidays

Travel period restrictions are in effect during the following holidays:

New Year's Day	Labor Day
Memorial Day	Thanksgiving Day
Independence Day	Christmas Day

Travel on the Pennsylvania Turnpike during the following holidays is prohibited:

New Year's Day	Labor Day
Good Friday/Easter Sunday	Thanksgiving Day
Memorial Day	Christmas Day
Independence Day	

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The travel restrictions can extend to the day prior and to the day after the holiday. Go to <http://www.paturnpike.com/geninfo/permits/permits.aspx> for complete details.

(j) Manufactured Housing Permits

A mobile home, modular housing unit or modular housing undercarriage that does not exceed 80 feet in body length, 14 feet in width (except as authorized below) and 14 feet, 6 inches in height may be transported upon the highway subject to the following requirements:

- The towing hitch mechanism of a modular housing undercarriage or mobile home shall be equipped with two anti-sway devices whenever the total width exceeds 13 feet, unless operating on a highway section having a posted speed below 40 miles per hour. A modular housing undercarriage or mobile home which has at least four tandem axles with brakes on each wheel may operate on any highway without anti-sway devices.
- The gross weight of the combination may not exceed the towing vehicle's registered gross combination weight or gross combination weight rating.
- A mobile home or modular housing unit may exceed 14 feet in width by no more than 6 inches total overhang at the roof eaves. The total width at the roof eaves may not exceed 14 feet, 6 inches. A roof eave overhang in excess of 3 inches shall be loaded to face the right side of the highway.
- A mobile home or modular housing unit which is found to exceed the 14-foot width limit specified here or the 14-foot, 6-inch total roof eave width limit, will be authorized to operate upon the highway only for purposes of returning to the manufacturer or other location determined by the Department.

A site-built building in excess of 14 feet in width may be moved a short distance upon a highway if the applicant's traffic control plan and proposed route are approved by the district office.

The gross weight of the combination shall not exceed the towing vehicle's registered gross combination weight or gross combination weight rating.

(k) Annual, Extended, And/Or Other Permits

The following annual permits are available:

- Quarry equipment and machinery;
- Course of manufacture;
- Multiple highway crossings;
- Special mobile equipment;
- Domestic animal feed;
- Movement of wooden structures;
- Live domestic animals;
- Building structural components;
- Utility construction equipment;
- Particle board or fiberboard;
- Bulk refined oil;
- Waste coal and beneficial combustion ash;
- Float glass or flat glass;
- Self-propelled cranes;
- Construction equipment;

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- Nonhazardous liquid glue;
- Waste tires; and
- Excess damage permits.

Contact PennDOT for details on these permits.

(I) Sealed Containerized Cargo Permits

An annual permit may be issued for movement of containerized cargo that exceeds the maximum vehicle gross or maximum axle weights specified, providing it does not exceed 90,000 pounds overall gross weight, and 21,000 pounds on any axle. Maximum 28-foot axle spacing requirements apply to five-axle combinations. A brake retarder is not required on such combination while being operated in the counties of Bucks, Chester, Delaware, Montgomery and Philadelphia.

The annual company fee for movement of any combination with overweight containerized cargo is:

- \$100 for up to 15 truck tractors;
- \$150 for 16 to 50 truck tractors;
- \$250 for 51 to 100 truck tractors;
- \$350 for 101 to 150 truck tractors; or
- \$400 for 151 or more truck tractors.

III. SUPER LOADS

Operators of vehicles or loads exceeding 160 feet in length, 16 feet in width, and/or 201,000 pounds must submit to the Central Permit Office, a preliminary application including justification three weeks in advance of movement.

Applicant must furnish additional justification as to why sizes and weights cannot be reduced. A letter must be included from the manufacturer and may be required from either the rail or barge company depending on origin or destination.

Applicant must supply written permission from cities which the proposed movement will pass.

Application for permit and police escort must be submitted 48 hours in advance of anticipated move date.

Super loads require State Police escorts.

Fees are \$50 plus \$10 for each county involved in the routing.

IV. AGENCY REFERENCES

(a) Sizes and Weights

Regulatory agency

PA Department of Transportation, Central Permit Office
(800) 932-4600
www.dot.state.pa.us/

Pennsylvania Turnpike Commission
(800) 331-3414
www.paturndpike.com/

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Super loads

Pennsylvania Department of Transportation, Central Permit Office

(800) 932-4600

Hours: 8 a.m. - 4:30 p.m. (Eastern Time)

www.dot.state.pa.us/

Permit agency

Permits may be obtained through the following Department of Transportation offices:

DISTRICT OFFICES

District 1-0
Oil City
(814) 678-7085

District 2-0
Clearfield
(814) 765-0400

District 3-0
Montoursville
(570) 368-8686

District 4-0
Dunmore
(570) 963-4061

District 5-0
Allentown
(610) 871-4100

District 6-0
King of Prussia
(610) 205-6700

District 8-0
Harrisburg
(717) 787-6653

District 9-0
Hollidaysburg
(814) 696-7250

District 10-0
Indiana
(724) 357-2800

District 11-0
Bridgeville
(412) 429-5000

District 12-0
Uniontown
(724) 439-7315

Enforcement agency

Pennsylvania State Police, Bureau of Patrol, Commercial Vehicle Safety Section

(717) 783-5517

www.psp.state.pa.us

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Rhode Island must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Width:	102 in	102 in
Height:	13 ft 6 in	13 ft 6 in
Length:		
Straight Trucks	40 ft	40 ft
Tractor-semitrailer combinations	No limit	No limit
Tractor-twin-trailer combination	No limit	No limit
Semitrailer	53 ft*	48 ½ ft
Trailers of twin-trailer combinations	28½ ft	28½ ft
Drawbar length	15 ft	15 ft
Special limitations	*If the semitrailer is over 48 ft, must have 41-ft maximum from kingpin to center of rear axle assembly.	—
Overhang limitations	3-ft front, 6-ft rear overhang	3-ft front, 6-ft rear overhang
Weight:		
Single axle	22,400 lb	22,400 lb
Tandem axle	36,000 lb	36,000 lb
Gross vehicle weight	80,000 lb	80,000 lb

On I-95 Pawtucket River Bridge, weight limit is 18 tons (36,000 lb).

Single vehicles with more than two axles or combination vehicles equipped with more than two axles per unit are prohibited from operating over the Pawtucket River Bridge or the Sakonnet River Bridge. This prohibition does not apply to emergency, state, or municipal vehicles, Rhode Island public transit authority vehicles, or truck-tractors (a non-cargo carrying power unit).

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Operators of vehicles that exceed legal size or weight limits, with or without load, must obtain a permit from the Department of Transportation (Non-divisible Permit Section) before making any movement on Rhode Island highways. Generally the Department will issue permits to loads and vehicles that cannot reasonably be reduced, dismantled, or otherwise separated. Divisible load permits may be issued to overweight vehicles.

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The following permits are available:

- Single-trip permits, issued for one specific move only;
- Blanket permits, issued for non-reducible loads for a six month period; and
- Divisible load permits, issued on an annual basis by the Division of Motor Vehicles unless otherwise indicated on the permit.

Exempt from legal size and weight limits, and thus from oversize/overweight permit requirements, are fire apparatus, road machinery, and farm vehicles, including farm tractors moved for a short duration on a highway.

Applications may be accepted by mail, telephone, or online at <https://www.ri.gov/DMV/OSOW/dashboard/applicant/login>. Applications for extra large vehicle or load permits shall be submitted at least five days in advance to allow sufficient time for review by the Department.

A pole trailer hauling poles, pipes, or structural material that cannot be separated or dismembered does not need a permit unless the poles or pipes or other material exceed 80 feet. Be aware, though, that there may be travel restrictions (such as daylight travel only) and/or marking requirements (such as flags or lights). Check with the state for specific requirements.

New England Transportation Consortium

Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont have formed the New England Transportation Consortium (NETC). One of the efforts of the NETC was to develop procedures for issuing permits for nondivisible oversize and nondivisible overweight trucks engaged in interstate travel within the five states.

Under these procedures, multi-state permits may be obtained only for vehicles and loads falling within the following limits: **weight** — 108,000 pounds on five axle units, or 120,000 pounds on six or more axle units; **length** — 90 feet; **height** — 13 feet 6 inches; **width** — 14 feet (additional 6 inches of overhang for eaves on mobile and modular home components only is permissible). To obtain a permit, contact state permit office in the destination state. If the destination is outside the NETC states, the state of origin or entry will issue the permit. For vehicles exceeding above limits, individual state permits must be obtained from each state permit office.

Provisions covering signs and flags, escorts, travel restrictions, etc. accompany the permit. For more information on all of the permit provisions under the consortium, contact the permit agency listed at the end of this state section.

(b) Fees

Nondivisible loads

A trip fee of \$20 is charged for the movement of non-divisible vehicles or loads. A blanket fee for intrastate moves (for sizes and/or weights within certain limits) may be obtained for \$300 in lieu of paying intrastate trip fees.

Divisible loads

Permit Fees for Out-of-State Registered Vehicles —

- Trailers — \$100 flat fee;
- 2-, 3- or 4-axle trucks — \$50 per 1,000 pounds over legal limits — maximum \$1,500 for 76,650 pounds;
- Tractors — \$50 per 1,000 pounds over legal limit — maximum \$1,000 for 99,000 pounds; 99,000 to 104,800 pounds — \$1250;
- Transfer fee — \$10.

Fees are not prorated. All permits expire March 31.

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(c) Insurance Requirements

The mover must assume all responsibility for any damages to road surface, traffic lights, bridges, or other structures and all liability in case of injury to person or property. Liability and property damage insurance in sufficient amounts to cover any and all claims that may arise must be carried by the permittee, and under this coverage the State of Rhode Island must be saved harmless from any claims. Where there is a possibility that a move may damage highway facilities, the applicant must deposit a certified check or other security in an amount to be determined by the Department. A copy of the liability insurance must be filed with the office of the Chief Engineer.

In special cases, however, a special surety bond is to be furnished to the Department in lieu of adequate liability insurance.

(d) Permitted Vehicle Limitations

Oversize

A special permit is required when the total outside width of any vehicle or load exceeds 102 inches. There is no set maximum for overwidth permits. Issuing authorities set the maximum limits, based on routes to be traveled and other conditions.

Vehicles or loads over 13 feet 6 inches require an overheight permit. Such permits will be issued subject to overhead clearances along the proposed route.

Maximum legal limit for a single unit is 40 feet. There are no set maximum length limits allowed under oversize permits for vehicles or vehicle combinations. The limits depend on the vehicle and load and the routes to be traveled.

Any vehicle and/or load that exceeds a three-foot front or six-foot rear overhang has to have a special hauling permit to operate in Rhode Island.

Overweight

Any vehicle or load that exceeds legal axle or gross weight limits must have a special hauling permit to operate in Rhode Island. For reducible loads on five or more axles, the maximum gross weight under permit is 104,800 pounds.

(e) Sign Requirements

Signs are to read OVERSIZE LOAD or WIDE LOAD and must be seven feet wide by 18 inches high. Lettering must be in black and 10 inches high with 1.4-inch brush strokes on a yellow background.

Signs are required on the front of the vehicle and rear of the load.

(f) Flags and Lighting Requirements

Flags

All warning flags will be either red or orange fluorescent and at least 18 inches square. Flags will be clean enough to distinguish the color of the flag from a reasonable distance.

At least two and up to six flags will be mounted at the widest extremity of the load, depending upon the load configuration.

Overlength loads or loads with rear- or front-end overhang in excess of four feet will display one flag at the end of the overhang if less than two feet wide, and two flags if the overhang is over two feet wide.

VEHICLE SIZES & WEIGHTS MANUAL

Lights

Load vehicles will travel with low beam headlights on at all times.

(g) Escort and Flagpersons Requirements

Escorts are required as follows:

Load Condition	Escort Requirements
Widths of 12 ft to 14 ft 6 in.	One escort, except that 12-ft wide cranes moved under their own power on two-lane highways require two escorts
Width over 14 ft 6 in.	Two escorts
Heights of 14 ft or over	One escort to be placed where it can best be utilized
Lengths between 80 ft and 90 ft	One escort
Lengths over 90 ft	Two escorts
Overhang is 15 ft or more	One escort vehicle is required if the (there may be special circumstances where a second escort vehicle will be required for safety)

Widths less than 12 feet, or lengths less than 80 feet normally do not require an escort. No escort vehicle is required if overhang is less than 15 feet with proper flags displayed.

In certain metropolitan areas police escorts may be required.

Flagpersons

The driver of an escort vehicle or a flagperson must give special attention to traffic where roadway width is a problem or at narrow bridges, etc.

(h) Escort Car/Company Requirements

Escort vehicles are required to be at least the size of a compact car or larger. The Department usually requires escorts to display OVERSIZE LOAD or WIDE LOAD signs and flashing yellow lights. The signs are to be at least five feet long and 12 inches high with 10-inch-high letters with a 1.4-inch brush stroke. Escort vehicles will also travel with low beam headlights on at all times. Escorts and transporters are also required to be in communication via two-way radio.

The state specifies no qualifications for escort drivers.

(i) Travel Restrictions

Movements are prohibited on Saturdays and Sundays.

Movement of indivisible loads and mobile homes is to be made during daylight hours only, unless otherwise specified by the permit. On certain highways, where traffic movement is heavy during certain hours of the day or when highway construction is in progress, the Department may restrict the permitted movement to certain hours of the day or certain days of the week.

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Holiday restrictions

Movements are prohibited on legal holidays:

New Year's Day (January 1)	Columbus Day (second Monday in October)
Memorial Day (last Monday in May)	Veteran's Day (November 11)
Independence Day (July 4)	Thanksgiving Day (fourth Thursday in November)
Victory Day (second Monday in August)	Christmas Day (December 25)
Labor Day (first Monday in September)	Election Day (moves are allowed but offices are closed.)

If a holiday falls on Sunday, the following Monday is treated as the holiday, and no moves are allowed. If the holiday falls on Saturday, the preceding Friday, after noon, is treated as the holiday. For holidays that fall during weekdays, the Department allows travel up to noon on the day before the holiday.

Speed limits

All overweight/oversize vehicles must maintain a safe rate of speed at all times. In no case may a vehicle exceed posted speed limits. Where possible, every effort should be made not to obstruct the flow of traffic.

(j) Manufactured Housing Permits

The legal limits for mobile homes are eight feet 6 inches wide, 60 feet long, and 13 feet 6 inches high. Movements exceeding these limits require a special permit.

For mobile or modular homes over 12 feet wide, or for construction equipment over 13 feet wide, and for cranes, the allowable time periods for travel are between sunrise and 7 a.m. and between 9 a.m. and 3:30 p.m. on all of I-195 and on I-95 from the Massachusetts/Rhode Island state line to Route 37.

(k) Annual, Extended, And/Or Other Permits

The Department may issue blanket permits for non-reducible loads for a six month periods up to an overall length of 75 feet and width of 11 feet 11 inches. All other moves require an individual special permit.. Applications for blanket permits must be in writing. The Department will not automatically issue a blanket permit after it expires.

(l) Sealed Containerized Cargo Permits

Rhode Island does not have special requirements concerning sealed containerized cargo permits.

III. SUPER LOADS

Consortium permits may be issued for any load up to 13 feet 6 inches high, 14 feet wide, 90 feet long, and/or 120,000 pounds.

All loads exceeding these amounts will be reviewed individually to determine whether they are super loads or not, depending on routes, load configurations, etc.

Basic application information will include axle weights, spacings and routes.

Information can be phoned or faxed into the office.

If load is over 200,000 pounds an outside engineering firm must survey the routes.

Allow at least five days for approval.

VEHICLE SIZES & WEIGHTS MANUAL

IV. AGENCY REFERENCES

(a) Sizes and Weights

Regulatory agency/Permit agency

Division of Motor Vehicles

(401) 588-3020 ext. 2034 (also used for Multi State Permit information), ext. 2032 (For non-divisible load permits)

<http://www.dmv.ri.gov/>

Super loads

Rhode Island Division of Motor Vehicles - Room 106

(401) 721-2675 ext. 2031

Hours: 8:30 a.m.-4:30 p.m. (Eastern Time)

<http://www.dmv.ri.gov/>

Enforcement agency

Rhode Island State Police

(401) 444-1183

<http://www.risp.ri.gov/>

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of South Carolina must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Width:	102 in	102 in
Height:	13 ft 6 in 14 ft (auto-transporters)	13 ft 6 in 14 ft (auto-transporters)
Length:		
Straight Trucks	40 ft	40 ft
Straight Truck-trailer	53-ft trailers — no overall length law	53 ft
Tractor-semitrailer combinations	No limit	No limit
Tractor-twin-trailer combination	No limit	Not allowed
Semitrailer	53 ft, inclusive of load*	53 ft, inclusive of load*
Trailers of twin-trailer combinations	28 ½ ft, inclusive of load	Not allowed (only on designated highways)
Auto-transporter combination	75 ft (plus 3-ft front, 4-ft rear overhang)	N/S
Stinger-steered	75 ft (plus 3-ft front, 4-ft rear overhang)	N/S
Drawbar length	15 ft	15 ft
Special limitations or restrictions	*41-ft maximum from kingpin to center of rear axle assembly. Rear underguard is required.	—
Weight: *		
Single axle	20,000 lb	22,000 lb
Tandem axle	35,200 lb	39,600 lb**
Steering axle	N/S	N/S
Load per inch width of tire	N/S	N/S
-or-		
Gross wheel weight	10,000 lb	10,000 lb
Gross vehicle weight	80,000 lb (with 51-ft wheelspan)	80,608 lb
Tolerances	N/S	Figures above include 10% tolerances; 15% tolerance allowed for unmanufactured forestry products

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*The maximum gross vehicle weight and axle weight limit for a vehicle or combination equipped with an idle reduction system may be increased by an amount equal to the weight of the system, not to exceed 400 lb. The operator must provide proof that the system is functional and the vehicle's gross weight increase is attributable only to the system.

**Except on the interstate highway system, dump trucks, dump trailers, concrete mixing trucks, fuel oil trucks, line trucks, and trucks designated and constructed for special type work or use do not have to conform to the axle spacing requirements. These vehicles, however, must be limited to 20,000 lb per axle plus scale tolerances, and their maximum gross weight must not exceed the maximum weight allowed for the appropriate number of axles, irrespective of the distance between the axles, plus allowable scale tolerances.

VEHICLE SIZES & WEIGHTS MANUAL

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Operators of vehicles exceeding South Carolina's legal size or weight limits must obtain oversize/overweight permits from the State Department of Transportation, Permit Section, before making any movement on South Carolina highways. Generally, the Department will issue permits to loads and vehicles that cannot be reasonably reduced, disassembled, or otherwise separated.

Single trip, multiple trip (annual), and permission permits are available. Single-trip permits are valid for the duration of the trip or for seven days, whichever comes first. Truck-specific multiple trip permits for non-divisible loads, mobile homes, and sealed ocean containers are valid for one year from the date of issuance.

Permits may be applied for by mail, telephone, fax, or online. Multiple trip permits can be self-issued 24/7 online. Permits may also be obtained through J. J. Keller & Associates, Inc.'s 24-hour trip permit service at (800) 231-5266.

Permit extensions may be granted due to weather, road conditions, or other circumstances outside of the permittee's control.

A pole, pipe, log, or other structural material exceeding 80 feet in length may not be transported without a permit. The load must be non-divisible and transported on a stretch trailer.

Permits must be carried on the towing vehicle to which they apply.

Refer to <http://tinyurl.com/SCtruckroutemap> and <http://tinyurl.com/SCtruckroutes> for South Carolina's truck route maps.

Southeast Association of State Highway and Transportation Officials (SASHTO) Regional Permits

Effective September 1, 1994, nine southeastern states joined together allowing carriers — who need an oversize permit for operation on the highways in at least two of the nine states — to obtain a single permit to cover all member states, rather than apply for separate permits in each state. Since that time additional states have joined, bringing the total to 16. The member states are Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, Missouri, North Carolina, Ohio, Oklahoma, South Carolina, Texas, Tennessee, Virginia, and West Virginia. There are, however, certain requirements to be met when applying for such permit.

The permit will only be issued for an "envelope" vehicle, transporting a non-divisible load, and whose dimensions cannot exceed the following:

Length:	100 ft overall
Height:	14 ft
Width:	14 ft
Weight:	120,000 lb GVW 20,000 lb Single Axle 40,000 lb Tandem Axle 60,000 lb 3 or more Axles

The permit is only available through a wire service (not the state agency); is only valid for a single trip (no return trip); and is valid for no more than 10 days, or less than five days. Carrier will be informed of applicable restrictions when the permit is issued.

Permit exemptions

Implements of husbandry (farm equipment) transported by commercial vehicle, fire apparatus, forestry equipment, road machinery, and vehicles or vehicle combinations used to transport and spread soil improve-

VEHICLE SIZES & WEIGHTS MANUAL

ment products are exempt from the laws governing size and weight. A routing permission permit must be obtained when one or more of the dimensions exceed 12 feet wide, 13 feet 6 inches high and/or 89,999 pounds.

Permits for road machinery are valid for six months for a load up to 130,000 pounds and two months for a load over 130,000 pounds. Permits for implements of husbandry, fire apparatus, and forestry equipment are valid for 30 days. Annual permits are issued for transporting and spreading soil improvement products.

(b) Fees

Permit Type	Fee
Single-Trip Permit	\$30.00
Excessive Width over 16 ft	\$35.00
Excessive Width over 18 ft	\$40.00
Excessive Width over 20 ft	\$45.00
Excessive Width over 22 ft	\$50.00
Sheet Tobacco Truck Permit (annual)	\$15.00
Cotton Modular Vehicle Permit (annual)	\$50.00
Culvert Pipe Permit (annual)	\$15.00
Hay	\$20.00
Permit to transport and spread soil improvement products (annual)	\$5.00
Routing Permission Permit (road machinery 30-day permits)	\$10.00
Multiple Trip Permit (Annual)	\$100.00
House Moving License (Annual)	\$100.00
Super load Application Fee (non-refundable)	\$100.00
Super load Engineering Analysis over 130,000 lb	\$100.00
Super load Engineering Analysis over 200,000 lb	\$200.00
Super load Engineering Analysis over 300,000 lb	\$350.00
Super load Impact Fee for all loads over 130,000 lb	\$3.00/1,000 lb
Administration fee for Prorating Active Annual Permits	\$10.00
Administration fee for Road Machinery Permits	\$10.00
Additional Megaload Impact Fee for Loads over 500,000 lb	\$0.05/1,000 lb/mile
Credit Card Processing Fee	\$5.00

Note: This is not a SCDOT fee. This is a convenience fee charged when a credit card is used for payment

Fees may be paid via an escrow account (\$200 minimum account balance), by credit card, cash, check, or money order.

(c) Insurance Requirements

The Department may require a bond or insurance or other security as it deems necessary. The granting of a permit does not waive any liability or responsibility of the applicant for any property damage, including damage to the highways and highway structures, or for personal injuries. Before granting a permit, the Department may require the vehicle owner or operator to furnish a certificate showing the amount of public liability and property damage insurance carried.

VEHICLE SIZES & WEIGHTS MANUAL

(d) Permitted Vehicle Limitations

The maximum width allowed under permit is 16 feet.

The maximum overall height of any load must be at least three inches less than any overhead structure on a route approved by the Department.

Maximum overall permitted length is 125 feet.

Permits may be issued for a non-divisible load with a maximum rear overhang of 15 feet on a trailer that is less than 48 feet. A maximum rear overhang of 10 feet is allowed on a 48 foot or 53 foot trailer. Flags and a rotating amber beacon or strobe light must be on the rear of the load OR flags on the rear of the load and a rear civilian escort with such warning devices required by the Department.

Up to a three-foot front overhang is allowed on all trailers. A maximum five-foot rear overhang is allowed on a straight truck that is bumper-to-bumper, 40 feet in length (allowing a 45-foot overall dimension). Overhang must be legal on straight trucks less than 40 feet bumper-to-bumper.

The following are the maximum weights allowed under permit:

Vehicle/Combination Type	Maximum Weight
Two-axle single unit vehicle	40,000 lb
Three-axle single unit vehicle	50,000 lb
Four-axle single unit vehicle	65,000 lb
Combination of vehicles with three axles	55,000 lb
Combination of vehicles with four axles	70,000 lb
Combination of vehicles with five axles	90,000 lb
Combination of vehicles with six axles	110,000 lb
Combination of vehicles with seven or more axles	130,000 lb

Overall tandem weights allowed under permit:

Gross Tandem Type	Maximum Weight
Two-axle tandem	40,000 lb
Three-axle tandem	60,000 lb
Four-axle tandem	80,000 lb

(e) Sign Requirements

Signs must read WIDE LOAD or OVERSIZE LOAD with letters 12 inches high and at least 1 ½ inches wide.

Signs must be displayed, front and rear, on all loads 12 feet wide or greater.

(f) Flags and Lighting Requirements

Any motor vehicle having a load or vehicle component which extends beyond the sides more than four inches or more than four feet beyond the rear must have the extremities of the load marked with a red flag, at least 12 inches square. On all loads, red flags must be displayed at each outer four corners of the load. Turn signals and brake lights in working order must be displayed.

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In all cases, loads on expandable or pole trailers with more than a six-foot rear overhang must be equipped with flags and a rotating amber beacon or strobe light on the rear of the load OR flags and a rear escort with such warning devices required by the Department.

Permittees must provide a rotating amber beacon or strobe light on the rear of the load in excess of 12 feet wide up to and including 14 feet wide at a location readily visible to following traffic.

Permittees must provide a rotating amber beacon or strobe light on each outer rear corners of the load over 14 feet wide up to and including 16 feet wide.

(g) Escort/Flagperson Requirements

Escorts are required as follows:

Load Conditions	Escort Requirements
All loads that exceed 12 ft in width up to and including 14 ft in width on two-lane highways.	One front escort; however, the Department reserves the right to require a rear escort where it is deemed necessary for safety purposes.
All loads 16 feet and higher	One front lead pole vehicle/escort.
<ul style="list-style-type: none"> • All loads that exceed 14 feet in width up to and including 16 feet in width; • Overall length of 125 feet and greater; and • Overhang exceeding 15 feet in length. 	One front and one rear escort.
All moves over 16 feet wide, except upon written approval from the Department.	<p>A minimum of one front and one rear police (local, county, city, Highway Patrol or State Transport Police) and one front and one rear civilian escort .</p> <p>The front escort is to be a reasonable distance ahead of the move to alert oncoming traffic in sufficient time of the impending hazard ahead.</p>

A rear escort must maintain three to four seconds distance between the escort and the load. The front escort cannot extend the spacing between the escort and the load beyond one-half mile.

Positioning the escort vehicle with the overdimensional load must be relative to give the traveling public maximum warning and to give the load driver timely and sufficient information to safely maneuver the load.

There must be direct two-way radio communication between the escorting vehicle(s) and the towing vehicle at all times. An escorting vehicle operator cannot escort or communicate with more than one towing vehicle at a time.

Flagpersons may be required for any overdimensional move.

(h) Escort Car/Company Requirements

Regulations do not specify the requirements for type of escort vehicle or qualifications for escort drivers.

Escort car signs, flags, and lights

The escort vehicles must display a WIDE LOAD or OVERSIZE LOAD sign on the front of the lead escort vehicle. When a rear escort is required, the sign must be displayed on the rear of the following escort vehicle.

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A rotating amber beacon or strobe light must be displayed on each escort vehicle. Hazard lights can not be used or substituted for amber beacon or strobe lights.

(i) Travel Restrictions

Travel restrictions are as follows:

Movement Type	Restrictions
All movements	Prohibited on Sundays and holidays (see below) Travel on four-lane highways only; travel on two lanes restricted to 12-ft wide or wider lane width where possible
Summer movements, Memorial Day through Labor Day	Prohibited on Fridays and Saturdays over routes including but not limited to US-378, SC-327, US-76, SC-576, US-501, SC-22, SC-31, and SC-9 east of I-95 to and from the Myrtle Beach area and on US-17 from the North Carolina line to points South of Myrtle Beach (Georgetown) and on any other routes in the Myrtle Beach vicinity
All loads or mobile homes up to 12 feet wide	Allowed to travel one-half hour after sunrise to one-half hour before sunset, Monday through Saturday
Loads over 12 feet wide up to 15 feet wide or mobile homes over 12 feet wide up to an including 14 feet box width	Allowed to travel one-half hour after sunrise to one-half hour before sunset Monday through Saturday EXCEPT travel prohibited in close proximity of large urban areas between 7 - 9 a.m. all days, 3 - 6 p.m. on school days, and 4:30 - 6 p.m. on non-school days
Loads over 15 feet wide	Loads must be moved Monday through Saturday only between the hours of 9 a.m. and 3 p.m. on school days and 9 a.m. to 4 p.m. other days.
Loads over 14 ft wide up to and including 16 ft wide	May be the only vehicle on any bridge that is 18 ft wide or less
Loads grossing up to 130,000 pounds but all dimensions legal	Continuous travel allowed upon request

Multiple permitted loads may not travel in a convoy. Loads and escorts(s) must be at least two miles apart. Exceptions will be considered upon written request to the OSOW Permit Director and under police escorts.

The permittee is responsible for checking all overhead clearances and raising or removing overhead wires, cables, etc., sufficiently in advance and no less than a minimum of three working days prior to the move to eliminate delays to the highway traffic. Operators of all loads 16 feet in height and greater must provide a Department-approved route survey before permit issuance.

Loads must be transported so that the least width or length dimension becomes the width of the load. No part of the load must extend across the centerline of the highway except to avoid colliding with objects near the edge of the road.

Movements are not allowed during inclement weather such as heavy rain or fog when visibility is less than 1,000 feet. High winds or slippery highways may also prohibit movements under permit. The South Carolina Highway Patrol may direct or escort a vehicle off the highway to a place of safety.

Towing bars or other connections must be of sufficient strength to pull all weight drawn thereby. Except between two vehicles hauling poles, pipe, machinery, or other structures that cannot be dismembered, connections may not exceed 15 feet in length. When the connection is a chain, rope, or cable, a 12-inch square white flag must be displayed on the connection.

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At certain times of the year when roadbeds may be damaged by heavier loads, the Department may prescribe lower axle and load weight limits than normally allowed.

Holidays

Vehicles and loads operating under permit may not move on Sunday or the following holidays:

New Year's Day	Labor Day
Memorial Day	Thanksgiving Day and day after Thanksgiving
Independence Day	Christmas Day and day after Christmas Day

Travel prohibited from noon before each holiday until noon following each holiday.

Speed limits

Drivers must obey posted speed limits, not to exceed 55 mph. Officials may determine the maximum speeds at which permitted loads are to operate.

Non-divisible and containerized cargo permits with a maximum gross weight of 90,000 pounds may travel at the posted speed limit.

(j) Manufactured Housing Permits

Multiple trip permits for mobile homes allow up to 14 feet width, 13 feet 6 inches height, and legal weight. The maximum overall length is 100 feet (mobile home 80 feet or less).

Movements under permit of mobile homes more than 8 feet 6 inches wide may be made only over highways approved by the Department. The Department will issue permits for moving mobile homes up to 16 feet in width.

The towing vehicle for all loads or mobile homes must be at least a three-quarter-ton or larger pickup truck or truck-tractor. The towing vehicle for loads up to 16 feet wide must be in compliance with all recommendations by the manufacturer for the load being hauled and the trailer being utilized. This includes all recommended equipment on the towing vehicle and the trailer. The hauler must be in compliance with all applicable State and Federal laws relative to commercial carriers.

Red flags must be attached at the outer four corners of the load or mobile home. A rotating amber beacon must be displayed on the rear of the mobile home or load at a place readily visible to following traffic. OVERSIZE LOAD or WIDE LOAD signs are required on the front and rear of the load.

Drivers of mobile home combinations must not exceed 45 mph and:

- On non-Interstate highways, no person may drive a vehicle that is towing a mobile home at a speed in excess of 45 mph or a load in excess of 55 mph; and
- The maximum speed on the Interstate highways in South Carolina for a new mobile home will be 10 mph less than posted, not to exceed 55 mph.

Mobile homes over 12 feet wide up to an including 14 feet box width (plus a maximum 12 inches top overhang for mobile homes) are allowed to travel one-half hour after sunrise to one-half hour before sunset Monday through Saturday EXCEPT travel prohibited in close proximity of large urban areas between 7AM-9AM all days and 3PM-6PM on school days and 4:30-6PM on non-school days.

Mobile homes over 14 feet box width up to an including 16 feet wide must be moved Monday through Saturday only between the hours of 9 a.m. and 3 p.m. on school days and 9 a.m. to 4 p.m. other days.

All loads and mobile homes over 14 feet wide up to and including 16 feet wide shall travel on four-lane highways. Travel on two-lane highways shall be restricted to 12-foot wide or wider lane width where possible.

VEHICLE SIZES & WEIGHTS MANUAL

All loads or mobile homes over 14 feet width up to an including 16 feet wide may be the only vehicle on any bridge that is 18 feet wide or less.

Drivers must remove the towing vehicle and mobile home or any other permitted vehicle from the roadway to allow any traffic following closely (five vehicles maximum) to pass and proceed.

(k) Annual, Extended, And/Or Other Permits

Multiple trip permits

The maximums under a non-divisible multiple trip permits are:

- Width up to 14 feet;
- Height up to 13 feet 6 inches; and
- Gross weight up to 90,000 pounds on five or more axles (not to exceed 40,000 pounds per tandem).

Multiple trip permits may be transferred to another vehicle if the permitted vehicle is wrecked and no longer operable, junked, sold, or stolen.

Cotton Modular Multiple Trip Permit

A cotton modular vehicle is a single motor vehicle used only to transport seed cotton modules, cotton, or equipment used in the transporting or processing of cotton. The permit is issued annually to allow continuous travel on all highways except the Interstate.

Sheet Tobacco Multiple Trip Permit

A sheet tobacco truck is defined as a vehicle used to transport tobacco in sheets that do not exceed 96 inches in width at the truck bed and nine feet six inches at the widest part of the load above the truck bed. The permit is issued annually and allows continuous travel on all highways.

Culvert Pipe Multiple Trip Permit

A multiple trip permit can be issued for vehicles transporting culvert pipe not to exceed a width of 106 inches

(l) Sealed Containerized Cargo Permits

South Carolina's containerized cargo permit allows for the transport of intermodal containers at a gross vehicle weight of up to 100,000 pounds. The maximum weights and dimensions are as follows:

- Single axle weight, 20,000 pounds;
- Tandem axle weight, 48,000 pounds;
- Tridem axle weight 55,000 pounds;
- Gross weight 100,000 pounds on five or more axles;
- Maximum overall height, 13 feet 6 inches; and
- Maximum overall width, 8 feet 6 inches.

A minimum trailer length of 40 feet is required.

A single trip permit for one designated route per permit is \$30. A multiple trip permit for up to five designated routes per permit is \$100.

VEHICLE SIZES & WEIGHTS MANUAL

III. SUPER LOADS

Any load exceeding 130,000 pounds is defined as a super load.

Height restrictions will depend on routes to be taken.

All applications must include a diagram with axle spacing, axle weight and proposed routes.

If load is in excess of 130,000 pounds the application goes to the Bridge Department for approval.

Super load fees are \$3.00 per 1,000 pounds.

Super load permits require seven to 10 days for processing.

IV. AGENCY REFERENCES

(a) Sizes and Weights

Regulatory agency/Permit agency

South Carolina Department of Transportation
(855) 467-2368
www.dot.state.sc.us/

Super loads

South Carolina Department of Transportation
(855) 467-2368
Hours: 8 a.m. - 4:30 p.m. (Eastern Time)
www.dot.state.sc.us/

Enforcement agency

Dept. of Public Safety, Transport Police, Size & Weight Enforcement
(803) 896-5500
www.scdps.gov/

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of South Dakota must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	All Highways
Width:	102 in
Height:	14 ft
Length:	
Straight Trucks	45 ft
Truck-trailer	80 ft
Tractor-semitrailers	No overall limit
Tractor-twin-trailers	No overall limit
Semitrailer	53 ft
Trailers of twin-trailer combinations	28 ½ ft on each trailer unit operating in a road tractor-trailer-trailer combination if the towbars do not exceed 19 ft and the overall length of the trailer-trailer unit including towbars does not exceed 80 ft.
Auto/boat transporters	Straight truck-trailer must be 80 ft, or a semitrailer must be 53 ft.
Drawbar length	15 ft
Special limitations or restrictions	Length of a semitrailer-semitrailer or semitrailer-trailer combination, excluding the length of the truck-tractor, is 81 ½ ft if length of either unit does not exceed 45 ft. If the towbar length exceeds 19 ft, towbar must be flagged during daylight and lighted at night. The weight of the second unit may not exceed the weight of the first unit by more than 3,000 lb. Load overhangs may not extend more than 4 ft beyond the rear nor more than 3 ft beyond the front bumper, bed, or body of the vehicle.
Weight:	
Single axle/dual tires	20,000 lb
Tandem axle	34,000 lb
Steering axle	Controlled by tire width - 600 lb/in. Maximum permitted is 20,000 lb.
Load per inch width of tire	500 lb per inch applied to all except dual tire axles; steering axle; axle on permitted vehicle; axle on trailer towed by vehicle with GVWR less than 11,000 lb
Gross vehicle weight	80,000 lb for Interstates; other highways governed by bridge formula.

VEHICLE SIZES & WEIGHTS MANUAL

Seasonal Weight Restrictions

South Dakota's seasonal weight restrictions can be found at <http://sddot.com/travelers/loadlimits/Default.aspx>.

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Operators of vehicles exceeding legal size and weight limits must obtain oversize/overweight permits before making any movement on South Dakota highways. Generally, unless otherwise indicated, the state will only issue permits to loads and vehicles that cannot reasonably be reduced, dismantled, or otherwise separated.

Oversize permits may be requested and obtained by wire, telephone, letter, or in person from ports of entry and the South Dakota Permit Center. Highway Patrol district offices also issue permits. Permits may also be obtained through J. J. Keller & Associates, Inc.'s 24-hour trip permit service at (800) 231-5266.

Operators of commercial vehicles carrying 80,000 pounds or more on the interstate system will be required to purchase annual South Dakota Interstate permits (self-issuing single trip permits are no longer valid).

Single trip or annual permits are available:

- For non-divisible oversized loads;
- To dealers doing business in South Dakota and to commercial operators of farm machinery for moving overwidth and overheight farm implements over the state highway system (commercial carriers of farm machinery must obtain a single-trip permit for each load);
- To feed haulers for overwidth and overheight movements of stacked or baled livestock feed or baled flax straw over the state highway system on stack movers or on trucks up to 12 feet in width (single-trip permits required for interstate system for loads not exceeding 12 feet in width);
- To dealers, manufacturers, or licensed commercial movers of mobile homes;
- To overweight sludge vehicles owned and operated by a municipality;
- For lift axles, which allows permittees to raise a lift axle before turning at an intersection, provided the lift axle is not raised more than 100 feet before beginning the turn and is lowered within 100 feet after completing the turn (annual permit not valid on the interstate system); and
- To custom harvesters to allow operation of one or more overwidth, overheight, or overwidth and overheight vehicles on the state trunk highway system (various restrictions apply).

Any permit-issuing authority may extend the permit's duration caused by breakdown, weather or highway conditions, or other moving delays.

Permit exemptions

Except on the interstate highway system, farmers may move, without a permit, their own overwidth and overheight, but not overweight, hay or stacked livestock feed, including baled feed, and their own overwidth and overheight, but not overweight, farm machinery. Permits are required of anyone for movement of oversize farm machinery on the interstate system.

VEHICLE SIZES & WEIGHTS MANUAL

(b) Fees

Single Trips:

Motor carrier permit center and/or Transceiver (telegram/telecopier)	\$25.00
From Ports of Entry	\$25.00
From Highway Patrol	\$25.00
Overweight Ton-Mile Fee	\$0.02/ton mile plus fee as per above.
Books-of-10 Permits:	\$250.00
Telephonic Oversize	
Mobile Homes-Single-Trip Fees:	\$25.00
Motor carrier permit center and/or Transceiver (telegram/telecopier)	
From Ports of Entry	\$25.00
From Highway Patrol	\$25.00
Annual Permits:	
All annual permits	\$60.00

(c) Insurance Requirements

Applicants for permits must carry public liability insurance in the minimum amount of \$100,000/300,000 public liability and \$100,000 property damage, or qualify as a self-insurer pursuant to state statutes. The issuance of any permit in no way relieves any permit holder from liability for damages caused to any person or property either upon the traveled portion of the highway or the right of way.

(d) Permitted Vehicle Limitations

Under oversize permits for non-divisible loads, permits are only issued for an individual power unit or combination of two units, and the loaded vehicle may not exceed a width of 14 feet 6 inches. The side overhang may not exceed three feet three inches, the height may not exceed 14 feet; and the combined total length of the load's front and rear overhang may not exceed 30 feet.

A single unit vehicle may not exceed a loaded length of 60 feet and the distance from the unit's turn center of its rear axle group to the rear end of the load may not exceed 75 percent of the unit's wheelbase.

A vehicle consisting of two units may not exceed a loaded length of 85 feet, with the second unit's wheelbase (measured from the center of the hitching point to the turn center of the rear axle group) may not exceed 43 feet. The distance from the second unit's turn center of its rear axle group to the rear end of the load may not exceed 75 percent of the second unit's wheelbase.

The maximum axle weights allowed under permit are determined on an individual basis depending on bridge limits. Permits are issued on a single trip basis and are subject to any highway restrictions or seasonal restrictions in effect. The maximum gross weight allowed under permit will be determined by the current bridge weight limit map.

VEHICLE SIZES & WEIGHTS MANUAL

(e) Sign Requirements

Warning signs are required as follows:

Vehicle/Load Type	Sign Required
Exceeds a width of 12 ft	WIDE LOAD or OVERSIZE LOAD sign required
Longer than 95 ft but 12 ft wide or less	LONG LOAD or OVERSIZED LOAD
Longer than 95 feet and wider than 12 feet	OVERSIZED LOAD

One sign must be mounted on the front of the vehicle or load and one must be mounted on the rear of the vehicle or load. If the vehicle is hauling a load that has a rear overhang, the rear sign must be attached to the extreme end of the load. If the sign cannot be attached to or is not legible on the load, the sign must be attached to the rear of the vehicle.

Warning signs must in good condition and legible at 500 feet. Signs must be reflectorized when used for night moves. The warning signs must be a minimum of 18 inches high by 84 inches wide. The signs must be yellow with black uppercase letters, 10 inches high, with 1 3/8-inch brush stroke.

When moving a load at night, movement is only allowed on the Interstate, can't be more than 10 feet wide, and warning signs must be lighted and reflectorized.

(f) Flags and Lighting Requirements

Flags

Red or orange flags measuring at least 18 inches square must be mounted on brackets or standards on corners of any overdimensional vehicle or load being moved. On escort vehicles that display signs and flashing lights, flags must also be mounted on each side of the sign. The flags must be kept in good repair.

Flags must be attached to all of the corners of a vehicle or load if the vehicle or load is wider than eight feet six inches. Flags shall be attached to all of the corners of any load that extends beyond the width of the bed of the hauling vehicle.

Flags must be attached to all oversized loads that project more than three feet ahead of the vehicle's front bumper or that project more than four feet beyond the rear of the bed of a vehicle. At least one flag must be attached to the load projection if the end of the projection is two feet wide or less. At least two flags, one on each corner of the projection, must be attached to a load projection if the end of the projection is wider than two feet.

Lights

Vehicles towing mobile homes 12 feet wide or more must display flashing amber lights on the towing vehicle and, if 14 feet wide or more, on the rear of the mobile home.

(g) Escort/Flagperson Requirements

Escort vehicles are required in front on two-lane highways or in the rear on divided highways. Vehicles over 16 feet wide traveling on the interstate highway system require an escort. Vehicles over 20 feet wide traveling on the state highway system also require an escort. Escorts may be required due to route limitations, traffic conditions, or unusual permit configurations.

Custom haulers of baled or stacked livestock feed and dealers doing business in the state and hauling overwidth farm implements are exempt from this requirement.

The movement of earth-moving equipment, singly or in convoy, requires an escort vehicle in front on state highways. On the interstate system, the escort must follow.

VEHICLE SIZES & WEIGHTS MANUAL

Except on U.S. Highway 16 from Rapid City to the Keystone Wye and on U.S. Highway 18, a vehicle that exceeds a width of 10 feet must be accompanied by a front escort when operating on state highways in the Black Hills area (the Black Hills area is the area south and west of Interstate Highway 90 from the Wyoming state line to Rapid City, west of State Trunk Highway 79 from Rapid City to the junction of State Trunk Highway 79 and U.S. Highway 18, west of U.S. Highway 18 from the junction of State Trunk Highway 79 and U.S. Highway 18 to Oelrichs, and west of U.S. Highway 385 from Oelrichs to the Nebraska state line). A local highway patrol trooper may waive the front escort requirement for a specified period of time on any section of state highway in the Black Hills area if the highway has adequate geometrics to provide for the safe operation of vehicles.

Flagpersons

Except for the movement of buildings and other large, oversize structures, state regulations do not specify that flagpersons have to be used for overdimensional movements. When traffic or roadway conditions warrant, qualified flagpersons should be available to direct traffic and ensure safety.

(h) Escort Car/Company Requirements

Escort vehicles must be licensed motor vehicles. Motorcycles may not serve as escort vehicles.

Escort car signs, flags, and lights

Escort vehicles must display a revolving amber light, or two, two-way flashing amber lights. Lights must be at least four inches in diameter.

Escorts must have signs that read WIDE LOAD AHEAD or WIDE LONG LOAD, depending on the type of move. The latter sign, if required, must be mounted on the front of the leading escort; the former, if required, on the back of the trailing escort. Lettering must be at least 12 inches high. The regulations do not stipulate colors or sign dimensions.

Bright red or orange flags at least 12 inches square must be mounted on brackets or standards on each side of the sign.

Signs must be covered or removed when the escort is not accompanying a move.

(i) Travel Restrictions

The Department of Transportation reserves the right to designate routes of travel for oversize and over-weight vehicles. The Department may also designate the speed of the permitted unit and required escort.

Movements under permit must be made during daylight hours only. The state will not issue permits for travel during darkness or on any day when movement would be hazardous to the public or damaging to public highways, except in case of emergency or in the interest of national defense.

Generally during the period from February 15 through April 30, certain highways may be subjected to reduced weight limits. These highways will be signed with the allowed axle weight limits at the beginning and end of each segment. At the discretion of the agency, these restrictions may be modified. County Highway Authorities may further restrict movement on certain roads within the state.

(j) Manufactured Housing Permits

Trip or annual permits are available for dealers, manufacturers, or licensed commercial movers of mobile homes up to 16 feet in width 80 feet in length, 15 feet in height over the state highway system.

Mobile homes and other overdimensional property moving under an overwidth permit must display 18-inch square red or orange flags on all four corners of the home and on standards at each side of the front of the towing vehicle. Mobile homes over the legal width limit must display WIDE LOAD signs on the front of the towing vehicle and on the rear of the mobile home. Similar signs are required on movements of overwidth earth-moving equipment.

VEHICLE SIZES & WEIGHTS MANUAL

(k) Annual, Extended, And/Or Other Permits

The State of South Dakota will issue annual permits for overdimensional loads as follows:

Overweight: Vehicles carrying 80,000 pounds or more on the Interstate system will require an annual South Dakota interstate permit.

Overlength: A one-year overlength permit is available for a fee of \$60. The maximum length allowed with the permit is 60 feet for a single unit and 85 feet for two units. There are certain travel restrictions, and red flags and additional lighting requirements at night are required.

Overwidth: A one-year overwidth permit is available for a fee of \$60. The maximum width allowed is 14 feet 6 inches. There are certain travel restrictions; and red flags are required during daylight, lights are required at night, and signs are required over 12 feet.

Lift axle permits authorizing the raising of a lift axle to facilitate turning may be granted allowing the operator to raise the lift axle before turning at an intersection, provided the lift axle is not raised more than 100 feet before beginning the turn and is lowered within 100 feet after completing the turn. The annual permit is not valid on the interstate system.

(l) Sealed Containerized Cargo Permits

South Dakota does not have special requirements concerning sealed containerized cargo permits.

III. SUPER LOADS

There is no maximum size and/or weight that determine a super load in South Dakota.

Length: No maximum established, depends on vehicle configurations and whether routes can handle the length.

Width: No maximum established, depends on routes.

Height: Depends on routes. All vertical clearances are the responsibility of the permit holder.

Vehicle must be registered for weight hauling or operator must purchase a commercial license permit that covers weight to be hauled.

Application for a super load permit must contain the following:

- Axle spacings;
- Number of tires;
- Weight of each axle; and
- Routes desired to travel.

Applications can usually be processed in one day.

IV. AGENCY REFERENCES

(a) Sizes and Weights

Regulatory agency

Department of Transportation, Operations Support Program
(605) 773-3571
www.sddot.com/

VEHICLE SIZES & WEIGHTS MANUAL

Permit agency/Enforcement agency

South Dakota Highway Patrol, Motor Carrier Services

(605) 773-3105

Telecopier Center for permits:

(605) 698-3925 (Sisseton)

Hours: 8 a.m.-5 p.m. (Central Time)

dps.sd.gov/enforcement/highway_patrol/default.aspx

VEHICLE SIZES & WEIGHTS MANUAL

Reserved

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Tennessee must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Width:	102 in	102 in
Height:	13 ft 6 in	13 ft 6 in
Length:		
Straight trucks	40 ft	40 ft
Straight truck-trailer	65 ft	65 ft
Tractor-semitrailer combinations	No limit**	No limit**
Tractor-twin-trailer combination	No limit	Not allowed
Semitrailer	53 ft***	53 ft***
Trailers of twin-trailer combinations	28½ feet	Not allowed
Auto-transporter combination	***	***
Stinger-steered	75 ft	75 ft
Special limitations or restrictions	<p>*Towed vehicle length limits do not apply to loads of poles, logs, or timber, provided that no motor vehicle, including any part of the body or load transporting such material exceeds 75 ft in length.</p> <p>**The towed vehicle shall not exceed 50 ft in length from the point of attachment to the tractor. If the towed vehicle exceeds 48 ft in length from the point of attachment to the tractor, the distance between the kingpin and rearmost axle or a point midway between the two rear axles, if the two rear axles are a tandem axle, shall not exceed 41 ft.</p> <p>***No overall limit on auto-transporter or livestock combinations, but trailing unit may be no longer than 52 ft from point of attachment to the tractor.</p>	
Weight:*	On Interstate System Highways Only	On All Other State Highways
Single axle	20,000 lb	20,000 lb
Tandem axle	34,000 lb	34,000 lb
Tridem axle	42,000 lb	42,000 lb
Steering axle	N/S	N/S
Load per inch width of tire	N/S	N/S

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-or-		
Gross wheel weight	N/S	N/S
Gross vehicle weight	80,000 lb	80,000 lb
Tolerances	N/S	N/S

*For vehicles equipped with idle reduction technology, up to 550 pounds is allowed on gross vehicle weight and axle weights to accommodate the idle reduction technology.

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Operators of vehicles that exceed legal size and weight limits must obtain an oversize/overweight permit from the Supervisor of Overweight and Overdimensional Permits before making any movement in Tennessee. The Supervisor will grant permits for vehicles and loads that cannot reasonably be dismantled, reduced, or otherwise separated.

Oversize/overweight special permits are valid for six days. The state also makes available annual special permits.

The state may allow the movement of superheavy and/or extra-overdimensional loads essential to health, welfare, safety, or defense, provided the highway can accommodate the move, and the move is not detrimental or unsafe for the other traveling public.

A permit is required for utility poles when the overall length is 75 feet or more. Be aware, though, that for lengths below 75 feet there may be travel restrictions (such as daylight travel only) and/or marking requirements (such as flags or lights) to comply with. Check with the state for specific requirements.

The Supervisor will consider issuing a special permit for an emergency, but only after the applicant has submitted a statement of justification. Issuance will be based on the severity of the emergency and the need to protect life or property.

Southeast Association of State Highway and Transportation Officials (SASHTO) regional permits

Effective September 1, 1994, nine southeastern states joined together allowing carriers — who need an oversize permit for operation on the highways in any of the nine states — to obtain a single permit to cover all nine states, rather than apply for separate permits in each state. Since that time additional states have joined, bringing the total to sixteen. The member states are Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, Missouri, North Carolina, Ohio, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia. There are, however, certain requirements to be met when applying for such permit.

The permit will only be issued for an “envelope” vehicle, transporting a non-divisible load, and whose dimensions cannot exceed the following:

Length:	100 ft overall
Height:	14 ft
Width:	14 ft
Weight:	120,000 lb GVW 20,000 lb Single Axle 40,000 lb Tandem Axle 60,000 lbs. three or more Axles

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The permit is only available through a wire service (not the state agency); is only valid for a single trip (no return trip); and is valid for no more than 10 days, or less than five days. Carrier will be informed of applicable restrictions when the permit is issued.

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(b) Fees

Six-Day Special Permits

Permit Type	Fee
Excess width:	
Up to 10 feet	\$10.00
Over 10 feet, but not more than 12 feet	\$15.00
Over 12 feet, but not more than 14 feet	\$25.00
Over 14 feet, but not more than 16 feet	\$30.00
Over 16 feet	\$30.00 plus \$5.00 for each additional foot or fraction thereof greater than 17 ft
Excessive height or length	\$15.00
Excessive weight	\$15.00 plus \$0.05 per ton mile

Annual Permits

Load Conditions	Fee
For weights up to 120,000 lb	\$500.00
For weights in excess of 120,000 lb	\$1,000.00

Evaluation of Bridges and Similar Structures

Load Conditions	Fee
Movements exceeding 200,000 lb but not more than 300,000 lb	\$100.00
Movements exceeding 300,000 lb but not more than 500,000 lb	\$300.00
Movements exceeding 500,000 lb but not more than 1 million lb	\$500.00
Movements exceeding 1 million lb	Actual cost

(c) Insurance Requirements

All persons granted oversize/overweight permits shall hold the state harmless from any claims for damages resulting from the exercise of any of the privileges granted under the special permit. Permittees must carry liability insurance with an insurer acceptable to the Commissioner of Transportation and furnish a certificate of insurance to the Commissioner in an amount not less than \$300,000 for each person injured and \$1,000,000 for each accident, plus \$100,000 total property damage for each accident. The certificate must provide that the insurer give written notice of intention to terminate required insurance by certified mail, termination to become effective 30 days after receipt of the notice by the Department of Transportation.

Applicants must also furnish the Department, by sworn statement, satisfactory proof of solvency to show their ability to indemnify the state or counties against damages to roads or bridges resulting from the permitted movement. Applicants must give bond and surety to indemnify the state and counties against such damages, and each bond, if the Commissioner so authorizes, may cover more than one vehicle operated by an applicant.

VEHICLE SIZES & WEIGHTS MANUAL

(d) Permitted Vehicle Limitations

Any movement exceeding the legal width limit (102 inches interstate and designated highways) is not allowed on Tennessee highways without a special permit issued by the Supervisor of Permits. For reasons of safety, equipment that has sharp, protruding objects of any kind, like bulldozers with blades, and that creates an overwidth of at least 10 feet, 6 inches but not exceeding 12 feet must be loaded so that the blade or protruding object are to the rear of the hauling vehicle. The Department will not issue a permit for blades or sharp, protruding objects that exceed 12 feet in width.

Generally the Department will not issue permits for vehicles and loads that exceed 14 feet in width.

Any movement exceeding the legal height limit of 13 feet 6 inches is not allowed on the highways of this state without a special permit issued by the Supervisor of Permits. For vehicles and loads that exceed 13 feet 10 inches, special routing may be required. Generally permits are not issued for vehicles and loads exceeding 15 feet (when they are issued, applicant must comply with other restrictions; check with state for details).

A special permit shall be required for all movements whose height exceeds 13 feet 6 inches provided that where the height exceeds 15 feet the following provisions shall govern:

Generally permits for movements in excess of 15 feet will not be issued. A permit may be issued upon submission of proof of necessity that the movement is needed in the interest of the public welfare, safety, health or defense and provided the move is not considered to be detrimental or unsafe to the traveling public and the highway can accommodate the move. If approved, there will be specific conditions applicable.

Any movement exceeding legal length limits is not allowed on Tennessee highways without a special permit issued by the Supervisor of Permits. Normally the maximum length allowed under permit is 120 feet. Movements 85 feet or greater are not allowed within any statewide city limits and in any heavily traveled adjoining commercial or residential areas between the hours of 7 to 9:30 a.m. and 3:30 to 6:00 p.m., Monday through Friday. Times may be further restricted, depending on type of load, traffic volume, roadway conditions, route of move, and other circumstances.

Any movement exceeding a gross weight of 80,000 pounds, or exceeding axle loads of 20,000 pounds per single axle or 34,000 pounds per tandem axle (excepting that 12,000 pounds is permitted on the front axle) is not allowed on the highways of this state without a special permit issued by the Commissioner of Transportation. Since overweight movements must be specially routed over highways, the state requires very exact and detailed information on the proposed movement.

Maximum allowable axle weights under special permit are as follows:

- Tandem axle, 40,000 pounds; and
- Single axle, 20,000 pounds.

In no case must a single axle in a tandem group exceed 20,000 pounds. Vehicles and loads exceeding a gross weight of 150,000 pounds must have the special approval of the Structures Division before a special permit can be issued.

The Department will issue special permits for operating fixed-load vehicles on the state highway system, including those portions designated as the interstate system, provided that, in addition to all other applicable provisions of these rules, the following conditions are met:

- No single load-bearing axle exceeds 24,000 pounds;
- No single axle in a tandem group exceeds 24,000 pounds;
- Maximum gross weight does not exceed 120,000 pounds; and
- Routing does not include any posted bridge.

Special permits may also be issued for fixed-load vehicles for operation over the state highway system, other than that portion designated as the interstate system, provided that, in addition to all other applicable rules, the following conditions are met:

- No front or steering axle exceeds 24,000 pounds;

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- No drive axle exceeds 40,000 pounds;
- Maximum gross weight does not exceed 150,000 pounds;
- Routing does not include any posted bridge;
- Vehicle does not exceed crawl speed when crossing any bridge;
- No other traffic is permitted on the bridge being crossed; and
- Permittee provides necessary flagging.

(e) Sign Requirements

Overwidth and/or overlength loads must bear a sign reading OVERSIZE LOAD mounted on the front and rear of the vehicle combination. Signs must be at least seven feet long and 18 inches high, have a yellow background, and solid black lettering. Letters must be at least 10 inches high with a 1 5/8 inch stroke. Gaps within the stroke aren't permitted.

Signs must be made of durable wood or metal, though heavy canvas or cloth signs securely fastened against a flat surface backing up the entire area of the sign are acceptable.

Signs are required when the width exceeds 10 feet, height exceeds 15 feet, and/or length exceeds 75 feet.

(f) Flags and Lighting Requirements

All warning flags must be solid red and at least 18 inches square. Red flags must be fastened to the load (front and rear) at the top and bottom on each side where the load is widest (or longest or highest), and be visible to traffic approaching from the front and the rear. If the widest part of the load is between the top and the bottom, flags must be placed at this point, front, and rear.

Flags are required when the width exceeds 10 feet, height exceeds 15 feet, and if the length exceeds 75 feet. Flags must be conspicuously displayed at the extreme rear of the vehicle and load, and the rear sign must be fitted with either a bank of four four-inch diameter amber flashing lights or a revolving amber light at least nine inches in diameter and at least nine inches high mounted on top.

(g) Escort/Flagperson Requirements

Escort are required as follows:

Load Conditions	Escort Requirements
Width exceeds 8 ft 6 in up to 10 ft	No requirements
Width exceeds 10 ft up to 12 ft 6 in	No escort required if movement is on an interstate highway, four-lane highway, or two-lane highway with a minimum pavement width (excluding paved shoulders) of 24 ft. One escort must precede a movement where the minimum pavement width (excluding paved shoulders) is less than 24 ft.
Width exceeds 12 ft 6 in up to 14 ft	One escort must follow the movement on interstate and four-lane highways. On two-lane highways, the escort must precede.
Width exceeds 14 ft up to 16 ft	Front and rear escorts on all highways required.
Height exceeds 15 ft	Escort must precede the movement and be equipped with a vertical height clearance gauge. The escort must also be in radio contact with the towing vehicle.

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Load Conditions	Escort Requirements
Length exceeds 85 ft up to 120 ft	One escort must follow.
Length exceeds 120 ft	One escort must precede and one escort must follow.

Vehicles and loads exceeding 10 feet require flagpersons at bridges or other similar structures where the widest part of the roadway is less than 20 feet.

Overweight

Escorts and flagpersons are not normally required for overweight only moves.

(h) Escort Car/Company Requirements

Escort vehicles must meet the following requirements:

- The escort vehicle must be a vehicle weighing more than 2,000 pounds with a manufacturer's gross vehicle weight rating less than 10,000 pounds and must be properly licensed, which is used to escort one or more other vehicles, when required, due to the vehicle(s) size or character or load, in accordance with the conditions set forth in a permit issued by the appropriate state agency;
- Identification signs or placards showing the name of the company or the owner or driver of the escort vehicle must be in a conspicuous place on both the right and left sides;
- The identification signs or placards must be at least eight inches by 12 inches and must also contain the telephone number of the owner or driver plainly legible and visible to the motoring public;
- During escort operations, all escort vehicles shall have onboard the following equipment and such equipment must be in working order:
 - Operable two-way electronic communications;
 - Two five-pound fire extinguishers;
 - Stop and go paddle (18 inches with six-inch letters);
 - Safety orange vest, shirt, or jacket;
 - Red hand-held flag (18 inches in size);
 - Two OVERSIZE LOAD banners (yellow with black lettering);
 - Hard hat;
 - Reflecting triangles or 18-inch traffic cones; and
 - The following additional equipment recommended, but not mandated:
 - Hand-held two-way electronic communications;
 - Flares;
 - Map(s); and
 - Height indicator.

Escort car signs, flags, and lights

All escort vehicles must be equipped with either a rotating amber light or a strobe type amber light that is visible from at least 500 feet with horizontal placement visible from all directions 360 degrees.

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Escort vehicles shall display bumper mounted or roof mounted yellow sign(s) reading OVERSIZE LOAD with black letters a minimum of 10 inches high, 1.5-inch wide brush stroke, which must be visible from front and rear.

Signs must be of durable wood or metal construction and be in a good state of repair, clean and readable at all times. Heavy canvas or cloth signs, otherwise meeting same requirements, will be permitted if they can be securely fastened to the escort vehicle against a flat surface backing up the entire area of the sign.

Two flags, either red or fluorescent orange in color, which must be at least 18 inches in size, must be mounted at approximately a 40 to 70 degree angle on the escorts vehicle's roof rack.

(i) Travel Restrictions

Special permits will not be issued for Sundays, nights, or holidays.

Movements, including mobile home movements, are allowed during daylight hours only, Monday through Saturday (see 85-foot exception in next paragraph). Permits will not be issued for other than daylight hours, or when roadway surfaces are affected by snow, ice, or other conditions that would make travel unsafe. Traffic volume may also restrict issuance of permits.

Daylight is defined as one-half hour before sunrise to one-half hour after sunset.

Movements 85 feet or greater are not allowed within any statewide city limits and in any heavily traveled adjoining commercial or residential areas between the hours of 7 a.m. to 9:30 a.m. and 3:30 p.m. to 6 p.m., Monday through Friday. Times may be further restricted, depending on type of load, traffic volume, roadway conditions, route of move, or other circumstances.

Movements over 14 feet wide but not exceeding 16 feet wide can only be made on Tuesday, Wednesday, and Thursday.

Permittees are responsible for knowing all horizontal and vertical clearances along each route traveled.

Holidays

Holidays are as follows:

New Year's Day	Labor Day
Good Friday	Thanksgiving Day
Memorial Day	Christmas Day
Independence Day	

If a holiday falls on Sunday, the following Monday will be observed as the holiday.

(j) Manufactured Housing Permits

Special permits are required for moving manufactured houses or portable modular units exceeding 102 inches in width.

Special permits are also required for moving manufactured houses or portable modular units when the towing vehicle and the manufactured house or modular unit length exceeds 60 feet. When the overall length exceeds 90 feet, the permittee must notify the Department in advance and obtain a special permit even if he has previously obtained an annual permit.

When the mobile home is between 12 and 14 feet wide, front and rear escorts are required on all two-lane highways. The front escort is not required on interstates and four-lane highways, unless the permitted vehicle and load take up more than one lane.

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For 14-foot wide mobile homes, movements 85 feet in length or greater are not allowed within any statewide city limits and in any heavily traveled adjoining commercial or residential areas between the hours of 7 to 9:30 a.m. and 3:30 to 6 p.m., Monday through Friday.

(k) Annual, Extended, And/Or Other Permits

Tennessee will issue annual permits for overdimensional loads as follows:

Overweight: A one-year overweight permit is available for a fee of \$500.00 or \$1,000.00. The maximum weight allowed with the permit is 120,000 pounds or 150,000 pounds. There are certain travel restrictions, and signs or flags are required.

Overlength: A one-year overlength permit is available for a fee of \$500.00. The maximum length allowed with the permit is 85 feet. There are no travel restrictions, and no signs or flags are required.

Overwidth: A one-year overwidth permit is available for a fee of \$500.00. The maximum width allowed is 12 feet 6 inches. There are no travel restrictions, and no signs or flags are required.

(l) Sealed Containerized Cargo Permits

Sealed containerized cargo units will be considered as non-divisible loads and overweight trip permits will be issued to operate vehicles hauling such units on the State, or Federal Highway systems, subject to the following restrictions:

- Such containerized cargo units must be part of international trade and be moved on the highways due to importation from, or exportation to, another country.
- A copy of the international bill of lading signed by a custom's official, or an international bill of lading with an equipment interchange and inspection report must be submitted to the Tennessee DOT Permit Section before a permit will be issued.
- The operators of such units shall at all time have in their possession a copy of the documents as described above.
- All vehicles operating under a sealed containerized cargo unit permit shall have a minimum of five full-time load bearing axles and must not exceed 20,000 pounds per axle, or total gross vehicle weight of 90,000 pounds.
- All vehicles operating under a sealed containerized unit permit must be legal width, length, and height.
- All vehicles permitted for movement of overweight sealed containerized units are authorized 24 hours continuous movement Monday through Sunday with normal travel conditions.
- All permits will be issued for duration of six days, and will only be valid for one move.

Annual permits are available for the movement of sealed containerized cargo units, subject to the following restrictions:

- Such containerized cargo units must be part of international trade and be moved on the highways due to importation from, or exportation to, another country; and
- All vehicles operating under a sealed containerized cargo unit permit must be legal width, length, and height.

III. SUPER LOADS

Loads in excess of 16 feet wide, 15 feet high, 120 feet long, and/or 100,000 pounds are considered super loads.

Application must be made in writing and contain a detailed proposal of movement, detailed sketch of vehicle and load, tire size, axle spacings, axle weights and overall dimensions.

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A route survey may be required for extreme dimensions.

Loads over 150,000 pounds must go to the Bridge Department and must be approved by the Structure Department before a special permit can be issued.

Super load permits are valid for six days.

Allow four days for processing.

IV. AGENCY REFERENCES

(a) Sizes and Weights

Regulatory agency/Permit agency

Department of Transportation, Overweight and Overdimensional Permit Section
(615) 741-5196 or (615) 741-3821
www.tdot.state.tn.us/

Enforcement agency

Department of Safety, Commercial Vehicle Enforcement
(615) 687-2326
www.tn.gov/safety/CVE/

Super loads

Tennessee Department of Transportation
Hours: 8 a.m.- 4:30 p.m. (Central Time)
www.tdot.state.tn.us/

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Reserved

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Texas must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Width:	8 ft 6 in	8 ft 6 in
Height:	14 ft	14 ft
Length:		
Straight Trucks	45 ft	45 ft
Truck-trailer combination	65 ft	65 ft
Truck-tractor-semitrailer combinations	No limit (must meet trailer max.)	No limit (must meet trailer max.)
Tractor-twin-trailer combination	No limit (must meet trailer max.)	No limit (must meet trailer max.)
Semitrailer	59 ft	59 ft
Trailers of twin-trailer combinations	28 ft 6 in	28 ft 6 in
Saddlemounts (up to 3)	97 ft	97 ft
Auto-transporter combination	No limit, but trailer limited to 59 ft	N/S
Drawbar length	15 ft	15 ft
Weight:*		
Single axle	20,000 lb	20,000 lb
Tandem axle	34,000 lb	34,000 lb
Tri-tandem axle group	42,000 lb	42,000 lb
Steering axle	Based on manufacturer's rating.	Based on manufacturer's rating.
Load per inch width of tire	Based on manufacturer's rating.	Based on manufacturer's rating.
Gross vehicle weight	80,000 lb	80,000 lb
Tolerances	N/S	A weight tolerance permit, HB 1547, may be issued for commodities with a tolerance of 10% over axle weight and/or 5% over allowable gross weight.

*Vehicles equipped with idle reduction systems are allowed up to an additional 400 pounds on maximum gross weight and axle weights to compensate for the weight of the idle reduction system. The driver must be able to provide proof that the idle reduction technology is functional at all times and the weight increase is not used for any purpose other than the use of the idle reduction system.

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II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Operators of vehicles that exceed legal size or weight limits must obtain an oversize/overweight permit from the Texas Department of Transportation (TxDOT), Motor Carrier Division (MCD), before making any movement in Texas. TxDOT will grant permits for vehicles and loads that cannot reasonably be dismantled, reduced, or otherwise separated, as well as portable building units, manufactured housing, cylindrically-shaped hay bales, and water well drilling machinery and equipment.

Upon receiving an application, the MCD will determine the most practical route for the movement. If a different route is requested by the applicant, more than one permit will be required unless MCD grants an exception.

Applicants requesting a permit to move a load exceeding 20 feet wide, 125 feet long, or 19 feet high will be furnished with a proposed route. The applicant must physically inspect the proposed route to determine if the overdimension load can safely negotiate it. The applicant must notify the MCD in writing whether the overdimension load can or cannot safely negotiate the proposed route. If any section of the proposed route is unacceptable, the applicant must provide the MCD with an alternate route around the unacceptable section. Once a route is decided upon and a permit issued, the permit may not be amended unless an exception is granted by the MCD.

A permitted vehicle will be allowed return movement of oversize and overweight hauling equipment to the permitted vehicle's point of origin or the permittee's place of business, and may transport a non-divisible load of legal dimensions on the return trip, provided the transport is completed within the time period stated on the permit.

A motor vehicle may not draw or pull more than three motor vehicles (if the combinations do not include more than one full-mount vehicle) attached to it by the triple saddle-mount method (mounting the front wheels of the trailing vehicle on the bed of another, leaving the rear wheels of the trailing vehicles in contact with the roadway). This kind of combination must not exceed an overall length of 75 feet.

If a single commodity, when loaded, creates a single overdimension, two or more commodities may be hauled as one load provided legal axle and gross weights are not exceeded, or another over-dimension of width, length, or height is not created or made greater by the additional cargo. If the load creates or makes greater an illegal dimension of length, width, or height, the TxDOT may issue permits under certain conditions; contact TxDOT for details. A permit may be issued as a non-divisible load for a dozer and its detached blade if the removal of the blade will decrease the overall width of the load.

The legal maximum gross weight is 80,000 pounds. Before TxDOT will issue an overweight permit in excess of that, the applicant must have registered the vehicle or combination of vehicles at the maximum gross weight or legal gross weight. Vehicles registered with a permit plate will not be issued oversize/overweight permits.

All oversize permits are issued by the Motor Carrier Division; applicants can apply for a permit via the Internet, by fax, by telephone, or in person.

The original permit, a facsimile copy of the permit, or an MCD computer-generated permit must be kept in the permitted vehicle until the day after the permit expires.

The following permits are available in Texas:

- General Oversize/Overweight (single) permits for non-divisible loads
- Manufactured Housing (single or annual)
- Thirty-day, 60-day, and 90-day permits (time permits) for non-divisible loads that do not exceed 13 feet in width or 110 feet in length
- Annual envelope issued to specific trucks or a specific company, for non-divisible loads that do not exceed 12 feet in width, 14 feet in height, 110 feet in length, or 120,000 pounds

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- Over Axle/Over Gross Weight Tolerances (annual) for divisible loads, to exceed gross weight and axle tolerances; allows for travel on state and county roads, excluding interstates, with weight tolerances, regardless of road; no travel on load-posted bridges with weights exceeding posted limits unless the bridge provides the only public vehicular access from or to a permit holder's origin or destination;
- Oil Well Servicing Units and Oil Well Drilling Rigs (single and time permits)
- Oil Well Servicing Units and Oil Field Rig-up Trucks (annual)
- Mobile Cranes (annual)
- Mobile Cranes (single and quarterly)
- Annual Water Well and Implements of Husbandry (annual)
- Hay (annual) for the transport of round bales of hay that exceed legal width
- Utility Poles (annual) required for the maintenance of electric power transmission/distribution lines, provided length does not exceed 75 feet, including the vehicle
- Ready-mixed concrete trucks on 3 axles (annual)

Permits may be amended for a replacement vehicle (if a vehicle breaks down), to change the intermediate points in an approved permit route, to extend the expiration dates due to conditions which would cause the move to be delayed, to change route origin or destination prior to the permit start date, to change the size limits on the permit provided that it does not require a change in route, or to correct errors made by permit officers.

Each person who is subject to the oversize/overweight permitting rules must maintain the following records if information in such a record is necessary to verify the person's operation:

- Operational logs, insurance certificates, and documents to verify the person's operations;
- Complete and accurate records of services performed; and
- All certificate of title documents, shipper's certificate of weight, including information used to support the shipper's certificate of weight, weight tickets, permits for oversize/overweight vehicles and loads, dispatch records, load tickets, waybill or any other document that verifies the operations of the vehicle to determine the actual weight, insurance coverage, size or capacity of the vehicles, and the size or weight of the commodity being transported.

Records must be maintained for at least two years, except that drivers' time cards and logs must be maintained for at least six months. Records may be maintained at the principal place of business, at another location within Texas, or at an out-of-state location (subject to certain terms; contact the Department of Transportation for more information).

A permit may be amended for a vehicle breakdown, changing the intermediate points in an approved permit route, extending the expiration date due to conditions which would cause the move to be delayed, changing route origin or route destination prior to the start date as listed on the permit, changing vehicle size limits prior to the permit start date as listed on the permit, provided that changing the vehicle size limit does not necessitate a change in the approved route, and correcting any mistake that is made due to permit officer error.

Exemptions

To qualify for an exempt permit (no-fee), a vehicle must be registered with exempt plates and owned and operated by a(n):

- federal agency,
- branch of the military,
- state agency,
- state county or parish, or
- incorporated city.

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The movement of an over-dimensional load on vehicles registered to the military or governmental agencies requires a routing permit, and it must be moved on military or governmental vehicles that are licensed with either federal or state-exempt license plates. The movement of over-dimensional military or governmental loads on vehicles not appropriately licensed requires a permit under the regular rules that govern oversize permits.

Western Association of State Highway and Transportation Officials (WASHTO) permits

Eleven western states: Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Oklahoma, Oregon, Texas, Utah, and Washington have joined together allowing carriers needing oversize/overweight permits for operation on the highways of the Regional Network. Although Louisiana is not a member of WASHTO, the state participates in the program. Each member jurisdiction may issue regional permits and collect fees allowing operations in the other members' jurisdictions. Certain requirements have to be met when applying for each permit.

Permits are issued only for an "envelope" vehicle of the following non-reducible maximum dimensions:

Length:	110 ft overall
Height:	14 ft
Width:	14 ft
Weight:	160,000 lb gross weight 21,500 lb single axle 43,000 lb tandem axle 53,000 lb per tandem (wheelbase more than 8 ft and less than 13 ft)

The single trip permit will be valid for a period of five working days, for use by the permitted vehicle only (tractor and trailer).

More information is available from the member jurisdictions listed below:

Arizona	(602) 712-7227
Colorado	(303) 757-9201
Idaho	(208) 334-8000
Louisiana	(225) 377-7100
Montana	(406) 444-6201
Nevada	(775) 888-7070
New Mexico	(505) 827-5100
Oklahoma	(877) 425-2390
Oregon	(503) 986-3452
Texas	(512) 305-9501
Utah	(801) 965-4113
Washington	(360) 704-6340

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(b) Fees

Permit applications must be submitted with the appropriate fees, as follows:

<u>Permit Type</u>	<u>Fee</u>
Oversize/Overweight Single Trip Permits	
General	\$60.00
Oil Well Servicing Units and Oil Well Drilling Rigs (single or quarterly)	\$31.00 or calculated fee
Mobile Cranes (single or quarterly)	\$31.00 or calculated fee
30-day Permits	\$120.00
60-day Permits	\$180.00
90-day Permits	\$240.00
Annual Permits	
Annual Envelope	\$4,000.00
Over Axle/Over Gross Weight Tolerances	\$90.00 base fee, plus \$5.00 administrative fee, plus a sliding scale fee based on the number of counties
Oil Well Servicing Units and Oil Field Rig-Up Trucks	\$52 per axle
Mobile Cranes	\$100.00
Water Well and Implements of Husbandry	\$270.00 plus highway maintenance fee
Hay	\$10.00
Utility Poles	\$120.00
Manufactured Housing	
Single Trip	\$40.00
Annual Permit	\$1,500.00

In addition to the above permit fees, there are also highway maintenance fees charged when the weight exceeds 80,000 pounds:

<u>Weight in Pounds</u>	<u>Fee</u>
80,001 to 120,000	\$150.00
120,001 to 160,000	\$225.00
160,001 to 200,000	\$300.00
200,001 and above	\$375.00

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The vehicle supervision fees as follows are in addition to the permit fee and the highway maintenance fees:

<u>Criteria</u>	<u>Vehicle Supervision Fee</u>
200,001-254,300 lb total and at least 95 ft over all axle spacings and not exceeding the maximum permissible weight on any axle or axle group	\$35
200,001-254,300 lb total with less than 95 ft overall axle spacings, or is over the maximum permissible weight on any axle or axle group, or is over 254,300 pounds gross weight	\$500; \$35 for an additional identical load to be moved over the same route within 30 days of the movement date of the original permit; \$100 if no bridges are crossed

Fees are payable in cash, check, cashier's check, or money order. Fees are also payable by credit card, permit account cards, and escrow accounts. Contact the TxDOT for more information on establishing an escrow account.

(c) Insurance Requirements

Before obtaining an oversize/overweight permit, applicants must be registered as a commercial motor carrier. If the applicant is not required to obtain such registration, then he/she must file a surety bond.

A commercial motor vehicle includes any motor vehicle or combination of vehicles with a gross weight, registered weight, or gross weight rating greater than 26,000 pounds that is designed or used for the transportation of cargo.

A surety bond is required for:

- Ready-mixed concrete trucks and concrete pump trucks operated under the provisions of Transportation Code, §622.013;
- Vehicles used exclusively to transport recyclable materials operated under the provisions of Transportation Code, §622.134; and
- Vehicles used exclusively to transport solid waste under the provisions of Transportation Code, §623.163.

Surety bonds filed must:

- Be in the amount of \$1,000 per vehicle (for example, if 10 trucks are covered by the surety bond then the total amount of the surety bond would be \$10,000);
- Indicate the total amount of coverage; and
- Be submitted in duplicate to the Motor Carrier Division on Form 1382 or Form 1575.

A surety bond is effective the day it is issued and expires at the end of the state fiscal year, which is August 31. For example, for a surety bond obtained on August 30, it will expire the next day at midnight.

For information on forms used for surety bonds, as well as when copies or original forms must be carried in the bonded vehicles, see <http://tinyurl.com/TXforms>.

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(d) Permitted Vehicle Limitations

Oversize

The following table lists the maximum lengths permitted:

Types	Maximum length
Truck or single vehicle	75 ft
Truck and trailer combination	Unlimited
Truck-tractor	Unlimited
Front overhang	25 ft
Rear overhang	30 ft
Maximum overall length	Unlimited

A single vehicle, such as a motor crane, that has a permanently mounted boom is not considered as having either front or rear overhang as a result of the boom because the boom is an integral part of the vehicle. When a single vehicle with a permanently attached boom exceeds the maximum legal length of 45 feet, a permit will not be issued if the boom projects more than 25 feet beyond the front bumper of the vehicle, or when the boom projects more than 30 feet beyond the rear bumper of the vehicle, unless an exception is granted by the Motor Carrier Division (MCD), based on a route and traffic study.

When an applicant requests a permit for a load that exceeds 20 feet in width, and/or is 19 feet or greater in height, and/or exceeds 125 feet in length, the applicant must physically inspect a proposed route and certify to TxDOT by letter or fax that the route can be safely negotiated before a permit can be issued.

Overweight

An axle group must have a minimum spacing of four feet, measured from center of axle to center of axle, between each axle in the group to achieve the maximum permit weight for the group.

The maximum permit weight for an axle group with spacings of five or more feet between each axle will be based on an engineering study conducted by the MCD. A permitted vehicle will be allowed to have air suspension, hydraulic suspension and mechanical suspension axles in a common weight equalizing suspension system for any axle group. The MCD may permit axle weights greater than those specified here, for a specific individual permit request, based on an engineering study of the route and hauling equipment. An overdimensional load may not exceed the manufacturer's rated tire carrying capacity.

Two or more consecutive axle groups having an axle spacing of less than 12 feet, measured from the center of the last axle of the preceding group to the center of the first axle of the following group, will be reduced by 2.5 percent for each foot less than 12 feet.

Maximum permit weight for an axle or axle group is based on 650 pounds per inch of tire width or the following axle or axle group weights, whichever is the lesser amount:

- Single axle, 25,000 pounds;
- Two axle group, 46,000 pounds;
- Three axle group, 60,000 pounds;
- Four axle group, 70,000 pounds;
- Five axle group, 81,400 pounds;
- Axle group with six or more axles, determined by the MCD based on an engineering study of the equipment, which will include the type of steering system used, the type of axle suspension, the spacing distance between each axle, the number of tires per axle, and the tire size on each axle; or

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- Trunnion axles, 60,000 pounds if:
 - The trunnion configuration has two axles;
 - There are a total of 16 tires for a trunnion configuration; and
 - The trunnion axle is 10 feet in width.

Maximum permit weight for an axle or axle group, when traveling on a load restricted road, will be based on 650 pounds per inch of tire width or the following axle or axle group weights, whichever is the lesser amount:

- Single axle, 22,500 pounds;
- Two axle group, 41,400 pounds;
- Three axle group, 54,000 pounds;
- Four axle group, 63,000 pounds;
- Five axle group, 73,260 pounds;
- Axle group with six or more axles, determined by the MCD based on an engineering study of the equipment, which will include the type of steering system used, the type of axle suspension, the spacing distance between each axle, the number of tires per axle, and the tire size on each axle;
- Trunnion axles, 54,000 pounds; and
- Two or more consecutive axle groups having an axle spacing of less than 12 feet, measured from the center of the last axle of the preceding group to the center of the first axle of the following group will be reduced by 2.5 percent for each foot less than 12 feet.

The maximum weight under permit for tandem axles or any group of axles is limited to either the maximum weight shown in the following diagrams or to the weight that can be sustained based on tire size, whichever is the lesser.

(e) Sign Requirements

Texas does not require the use of OVERSIZE LOAD signs except when moving a manufactured home.

(f) Flags and Lighting Requirements

All oversize vehicles and loads must display red flags or orange fluorescent material at least 12 inches square, securely mounted on a staff or securely fastened by at least one corner to the widest extremities of an over-width permitted vehicle, at the rear of an overlength permitted vehicle, and at the rear of an overlength permitted vehicle with a rear overhang of more than four feet.

Some vehicles and loads exempted from permit requirements must also display red flags. Loads that are overweight only do not have to display flags.

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(g) Escort/Flagperson Requirements

Except for loads that are overweight only, escorts are required for various oversize loads, unless MCD grants an exception:

DIMENSION	SIZE	TYPE OF ESCORT*
Width	exceeds 14 feet up to 16 feet	front — two lane roadway
		rear — four or more lane roadway
	exceeds 16 feet	front and rear for all roadways
Height	exceeds 17 feet	front — equipped with height pole
	exceeds 18 feet	front and rear — front escort to be equipped with height pole.
Length	exceeds 110 feet up to 125 feet overall	front — two lane roadway
		rear — four or more lane roadway
	exceeds 125 feet overall	front and rear for all roadways
	exceeds 20 feet front overhang	front — two lane highway
		rear — four or more lane highway
	exceeds 20 feet rear overhang	rear — two lane highway
rear — four or more lane highway		

These requirements do not apply to movements of manufactured housing, portable building units, or portable building compatible cargo; requirements for such movements are described later.

If the load is over in two dimensions that require an escort, then front and rear escorts will be required. For example, if a load exceeds 14 feet in width and 110 feet in length, both front and rear escorts are required.

A load extending more than 20 feet beyond the front or rearmost portion of the load carrying surface of the permitted vehicle must have a rear escort, unless an exception is granted by the MCD, based on a route and traffic study.

The Department requires one escort for loads that are over 17 feet high, and front and rear escorts for loads over 18 feet high. Escort vehicles must be equipped with a height pole to accurately measure overhead obstructions.

The Department requires a rear escort when the overall length of vehicle combinations powered by trucks exceeds 110 feet, or whenever a load has a rear overhang exceeding 20 feet. Front and rear escorts are required if over 125 feet in length. Maximum overhang — 30 feet.

Convoys must have a front escort vehicle and a rear escort vehicle on all highways at all times.

Flagpersons

State regulations do not specify the conditions under which flagpersons may be necessary, but depending on the type of load, the Department may require their use.

Law enforcement assistance may be requested by MCD to control traffic within the corporate limits of a city.

(h) Escort Car/Company Requirements

An escort vehicle must be a single unit with a gross vehicle weight of not less than 1,000 pounds nor more than 10,000 pounds.

Any permitted vehicle that exceeds 17 feet in height must have a front escort vehicle equipped with a height pole, made of nonconductive material, to accurately measure overhead obstructions.

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An escort vehicle must maintain two-way communications with the permitted vehicle and other escort vehicles involved with the movement of the permitted vehicle.

Escort operators must warn the traveling public when a permitted vehicle must travel over the center line of a narrow bridge or roadway, a permitted vehicle makes any turning movement that will require the permitted vehicle to travel in the opposing traffic lanes, a permitted vehicle reduces speed to cross under a low overhead obstruction or over a bridge, a permitted vehicle creates an abnormal and unusual traffic flow pattern, or in the opinion of MCD, warning is required to ensure the safety of the traveling public or safe movement of the permitted vehicle.

Escort car signs, flags, and lights

An escort vehicle must have two flashing amber lights or one rotating amber beacon of not less than eight inches in diameter fixed to the roof of the escort vehicle. The light must be visible from all sides of the escort vehicle.

An escort vehicle must display a sign on either the roof of the vehicle or the front and rear of the vehicle with the words OVERSIZE LOAD or WIDE LOAD. The sign must be visible from the front and rear of the vehicle while escorting the permitted load and meet the following specifications:

- At least five feet, but not more than seven feet in length, and at least 12 inches, but not more than 18 inches in height;
- Yellow background with black lettering;
- Lettering must be at least eight inches high, but not more than 10 inches high with a brush stroke at least 1.41 inches wide; and
- The sign must be visible from the front and rear of the vehicle while escorting the permit load (the sign must not be used at any other time).

(i) Travel Restrictions

Oversize movements are limited to daylight hours only (daylight is defined as the period of time from one-half hour before sunrise to one-half hour after sunset); however, night movements are allowed if the permitted vehicle:

- a. Is overweight only;
- b. Is traveling on an interstate highway and does not exceed 10 feet in width and 100 feet in length, with front and rear overhang that complies with the legal limits; or
- c. Meets the criteria in item b above and is overweight.

If night movements are allowed, escorts may be required.

Movement is prohibited when visibility is reduced to less than two-tenths of one mile or if the road surface is hazardous due to rain, wind, ice, sleet, or snow.

Permitted vehicle operators must observe curfew movement restrictions of any city in which the vehicle is operated.

It is the responsibility of the permittee to contact utility companies, telephone companies, television cable companies, or other entities as they may require, when it is necessary to raise or lower any overhead wire, traffic signal, street light, television cable, sign, or other overhead obstruction. The permittee is responsible for providing the appropriate advance notice as required by each entity.

An overwidth load must travel in the outside traffic lane on multi-lane highways, when the width of the load exceeds 12 feet. A permitted vehicle exceeding 16 feet in width will not be routed on the main lanes of a controlled access highway, unless an exception is granted by the MCD, based on a route and traffic study. The load may be permitted on the frontage roads when available, if the movement will not pose a safety hazard to other highway users.

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Convoys

A permitted vehicle that is not overwidth or overheight, and does not exceed 150 feet overall length, may be moved in a convoy consisting of no more than four overlength permitted vehicles.

A permitted vehicle that is not overwidth or overheight that exceeds 150 feet, but does not exceed 180 feet overall length, may be moved in a convoy consisting of not more than two overlength permitted vehicles.

Each permitted vehicle in the convoy must:

- Be spaced at least 1,000 feet, but not more than 2,000 feet, from any other permitted vehicle in the convoy; and
- Have a rotating amber beacon or an amber pulsating light, at least eight inches in diameter, mounted at the rear top of the load being transported.

Holidays

Permitted loads exceeding 14 feet wide, 16 feet high, or 110 feet long, may be prohibited from moving on the following days only:

New Year's Day

Labor Day

Memorial Day

Thanksgiving Day

Independence Day

Christmas Day

(j) Manufactured Housing Permits

Permits will be issued for a single continuous movement not to exceed five days.

Manufactured housing travel is allowed seven days per week, except on holidays.

A manufactured home exceeding 12 feet in width must have a rotating amber beacon of not less than eight inches in diameter mounted somewhere on the roof at the rear of the manufactured home, or may have two five-inch flashing amber lights mounted approximately six feet from ground level at the rear corners of the manufactured home. The towing vehicle must have one rotating amber beacon of not less than eight inches in diameter mounted on top of the cab. These beacons or flashing lights must be operational and lighted during any permitted move over the highways, roads, and streets.

Escorts are required as follows:

Dimensions	Escort Requirements
Width exceeding 16 feet but not exceeding 18 feet	Front escort vehicle on two-lane roadways Rear escort vehicle on roadways of four or more lanes
Width exceeding 18 feet in width	Front and a rear escort on all roadways at all times

Escort vehicle must:

- Have one red 16-inch square flag mounted on each of the four corners of the vehicle;
- Have a sign mounted on the front and rear of the vehicle displaying the words WIDE LOAD in black letters at least eight inches high with a brush stroke at least 1.41 inches wide against a yellow background;
- Have an amber light or lights, visible from both front and rear, mounted on top of the vehicle in one of the following configurations: two simultaneously flashing lights, or one rotating beacon of not less than eight inches in diameter; and

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- Maintain two-way communications with the permitted vehicle and other escort vehicles involved with the movement of the permitted vehicle.

Two transportable sections of a multi-section manufactured home, or two single section manufactured homes, when towed together in convoy, may be considered one home for purposes of the escort vehicle requirements, provided the distance between the two units does not exceed 1,000 feet.

Annual manufactured housing permits

TxDOT may issue an annual permit for the transportation of new manufactured homes from a manufacturing facility to a temporary storage location, not to exceed 20 miles from the point of manufacture. A permit shall contain the name of the company or person authorized to be issued permits.

The fee for a permit is \$1,500.

A copy of the permit must be carried in the vehicle transporting a manufactured home.

The permitted vehicle must travel in the outside traffic lane on multi-lane highways when the width of the load exceeds 12 feet.

Authorized movement is valid during daylight hours only.

Permits issued under this section are non-transferable between permittees.

(k) Annual, Extended, And/Or Other Permits

Time permits

Time permits are 30-, 60-, and 90-day permits. The permit will indicate only the truck or truck-tractor transporting the load; however, any properly registered trailer or semitrailer is covered by the permit. Permits are non-transferable.

Overwidth Time Permits

Overwidth time permits will not be issued for a vehicle with a width exceeding 13 feet. The permitted vehicle cannot exceed legal weight, height, or length. When multiple items are hauled at the same time, the items may not be loaded in a manner that creates a width greater than the width of the widest item being hauled, a height greater than 14 feet, an overlength load, or a gross weight exceeding the legal gross or axle weight of the vehicle hauling the load.

When the permitted vehicle is an overwidth trailer, it will be permitted to move to and from the job site and return from the job site to the permittee's place of business with a legal non-divisible load.

Time permits are allowed travel on a statewide basis. Overwidth time permits may be used in conjunction with an overlength time permit.

Overlength Time Permits

An overlength time permit may be issued for the transportation of overlength loads or the movement of an overlength self-propelled vehicle.

The maximum overall length for the permitted vehicle may not exceed 110 feet. The maximum length of a single permitted vehicle may not exceed 75 feet. A permit will not be issued when the load has more than 25 feet front overhang or more than 30 feet rear overhang.

Overlength time permits may be used in conjunction with an overwidth time permit.

A permitted vehicle transporting utility poles will be allowed emergency night movement for restoring electrical utility service, provided the permitted vehicle is accompanied by a rear escort vehicle.

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Annual permits

Vehicles operating under an annual permit may not travel over a load restricted bridge or load restricted road when exceeding the posted capacity of the road or bridge. Vehicles may travel through any highway construction or maintenance area provided the dimensions do not exceed the construction restrictions as published by the TxDOT.

Implements of Husbandry

An annual permit may be issued for an implement of husbandry being moved by a dealer in those implements, and for harvesting equipment being moved as part of an agricultural operation. The maximum width may not exceed 16 feet; maximum height may not exceed 16 feet; maximum length may not exceed 110 feet; and maximum weight may not exceed the limits stated above.

Water Well Drilling Machinery

Annual permits may be issued for water well drilling machinery and equipment that cannot be reasonably dismantled. The maximum dimensions may not exceed 16 feet wide, 14 feet 6 inches high, 110 feet long, and maximum weight may not exceed the limits stated above. Permitted vehicle may operate only on the state highway system.

Envelope Vehicle Permits

The TxDOT may issue an annual permit to a specific vehicle, for the movement of superheavy or oversize equipment that cannot reasonably be dismantled. Superheavy or oversize equipment operating under an annual envelope vehicle permit may not exceed 12 feet in width, 14 feet in height, 110 feet in length, or 120,000 pounds gross weight.

Superheavy or oversize equipment operating under an annual envelope vehicle permit may not transport a load that has more than 25 feet front overhang, or more than 30 feet rear overhang.

The fee for an annual envelope vehicle permit is \$4,000, and is non-refundable.

The permit authorizes operation of the permitted vehicle only on the state highway system.

The permitted vehicle must comply with maximum axle weight limits.

An envelope vehicle permit is non-transferable between permittees but may be transferred from one vehicle to another vehicle in the permittee's fleet provided:

- the permitted vehicle is destroyed or otherwise becomes permanently inoperable, to an extent that it will no longer be utilized, and the permittee presents proof that the negotiable certificate of title or other qualifying documentation has been surrendered to the department; or
- the certificate of title to the permitted vehicle is transferred to someone other than the permittee, and the permittee presents proof that the negotiable certificate of title or other qualifying documentation has been transferred from the permittee.

Power Line Poles

TxDOT may issue an annual permit for the movement of poles required for the maintenance of electric power transmission and distribution lines.

The fee for the permit is \$120.

The maximum length of the permitted vehicle may not exceed 75 feet. The width, height and gross weight of the permitted vehicle may not exceed the legal limits.

Vehicles may not travel over a load restricted bridge or load zoned road when exceeding posted limits.

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Movement will be between the hours of sunrise and sunset; however, the limitation on hours of operation does not apply to a vehicle being operated to prevent interruption or impairment of electric service, or to restore electric service that has been interrupted. When operated at night, a vehicle permitted under this subsection must be accompanied by a rear escort. The permitted vehicle may not travel during hazardous road conditions except to prevent interruption or impairment of electric service, or to restore electric service that has been interrupted.

The speed of the permitted vehicle may not exceed 50 miles per hour.

The permitted vehicle must display on the extreme end of the load:

- Two red lamps visible at a distance of at least 500 feet from the rear;
- Two red reflectors that indicate the maximum width and are visible, when light is insufficient or atmospheric conditions are unfavorable, at all distances from 100 to 600 feet from the rear when directly in front of lawful lower beams of headlamps; and
- Two red lamps, one on each side, that indicate the maximum overhang, and are visible at a distance of at least 500 feet from the side of the vehicle.

Cylindrically Shaped Bales of Hay

An annual permit may be issued for the movement of vehicles transporting cylindrically shaped bales of hay.

The permit fee is \$10.

The maximum width of the permitted vehicle may not exceed 12 feet, and the length, height, and gross weight of the permitted vehicle must be within legal limits.

Movement is restricted to daylight hours only.

Ready-Mixed Concrete Trucks on Three Axles

An annual permit may be issued for ready-mixed concrete trucks operating on three axles. The permit allows the truck to exceed single and tandem axle weights by 10 percent, up to 25,300 pounds on a single axle and 50,600 pounds maximum on a tandem axle, provided that the gross weight does not exceed 69,000 pounds.

Permit holders may travel on any Texas road except the Interstate Highway System. Travel is allowed on state, municipal, or county roads, including county roads that are load-zoned for less than 69,000 pounds. Trucks may not cross a load-posted bridge when exceeding the posted capacity.

The annual permit fee is \$1,000.

Permit holders must affix a permit sticker to the windshield of the permitted vehicle (issued via mail only; not available at TxDMV offices).

Permits can be applied for online using TxPROS (<http://txpros.txdmv.gov>), by fax, or by mail.

III. SUPER LOADS

(a) Route Inspection Single-Trip Permits

Loads in excess of 20 feet wide, 18 feet 11 inches high, 125 feet long, will require a route inspection, MCD Form 306A.

Loads 200,000 pounds and over require a Bill of Lading showing the load weight.

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(b) Super Heavy Single-Trip Permits

Super heavy single-trip permits are available for the movement of vehicles and loads which exceed 254,300 pounds (total gross weight), or exceed the maximum permissible weight on any axle or axle group, or exceed 200,000 pounds with less than 95 feet of axle spacing.

The following information must be submitted on MCD Form 305:

- Purpose for moving the load;
- Load description;
- Type of equipment that will be used to move the load;
- Detailed diagram of the equipment showing the number of axles, axle spacings, tires per axle, tire size on each axle, and weight per axle; and
- A map of the proposed routes that indicates where the load will begin and end.

Issuance time varies depending on load.

IV. AGENCY REFERENCES

(a) Regulatory Agency

Texas Department of Transportation
Motor Carrier Division
125 E. 11th St.
Austin, TX 78701-2483

(512) 465-3500

(800) 299-1700

Fax: (512) 465-3535
<http://www.txdot.gov>

Texas Department of Motor Vehicles

Motor Carrier Registration

4000 Jackson Ave.

Austin, TX 78731

(800) 299-1700

<http://www.txdmv.gov>

(b) Permit Agency

Same as above, and as listed immediately following:

The Motor Carrier Division in Austin is the only agency that issues oversize/overweight permits. However, in order to pay for the permit in cash, cashier's check or money order, the applicant may request the permit to be faxed to one of the designated offices listed below. The permit must be picked up and paid for before 4:30 p.m. the day the permit is issued.

<u>City</u>	<u>Location of Office</u>	<u>Telephone Number</u>
Abilene	District Office — 4250 N. Clack	(325) 676-6804
Amarillo	District Office — 5715 Canyon Dr.	(806) 356-3280
Amarillo	Tourist Bureau — 9400 IH 40 E	(806) 335-1441

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<u>City</u>	<u>Location of Office</u>	<u>Telephone Number</u>
Anthony	Tourist Bureau — IH 10 @ State line	(915) 886-3468
Atlanta	District Office — 701 E. Main	(903) 799-1282
Austin	District Office — 7901 N. IH 35	(512) 832-7066
Beaumont	District Office — 8450 Eastex Freeway	(409) 898-5769
Brownsville	Residency Office — US 281 & FM 802	(956) 542-2288
Brownwood	District Office — 2495 US 183	(325) 643-0460
Bryan	District Office — 1300 N. Texas Ave.	(979) 778-9749
Childress	District Office — 7599 US 287	(940) 937-7163
Corpus Christi	District Office — 1701 S. Padre Island Dr.	(361) 808-2221
Dallas	District Office — 4777 E. Hwy. 80, Mesquite	(214) 320-6226
Del Rio	Area Office — 319 E. Gibbs St.	(830) 703-1420
Denison	Tourist Bureau — 7801 US 75 N	(903) 463-2860
El Paso	District Office — 13301 Gateway W	(915) 790-4200
Fort Worth	District Office — 2501 Southwest Loop 820	(817) 370-6686
Gainesville	Tourist Bureau — IH 35 N. (Exit 502)	(940) 665-2301
Harlingen	Tourist Bureau — US 77 @ US 83	(956) 428-4477
Hebbronville	Area Office — 406 Falfurnas Hwy.	(361) 524-5170
Houston	District Office — 7721 Washington Ave.	(713) 802-5575
Laredo	Tourist Bureau — IH 35 @ US 83	(956) 417-4728
Lubbock	District Office — 135 Slaton Rd.	(806) 748-4443
Lufkin	District Office — 1805 N. Timberland Dr.	(936) 634-4344
New Braunfels	Area Office — 2940 IH 35 W	(830) 609-0707
Odessa	District Office — 3901 E. US 80	(432) 498-4718
Orange	Tourist Bureau — 1708 E. IH 10	(409) 883-9416
Paris	District Office — 1365 N. Main St.	(903) 737-9241
Pharr	District Office — 600 W. US 83	(956) 702-6217
San Angelo	District Office — 4502 Knickerbocker Rd.	(325) 947-9237
San Antonio	North Area Office — 4615 NW Loop 410	(210) 615-5873
Texarkana	Tourist Bureau — 1200 W. IH 30	(903) 794-2114
Tyler	District Office — 2709 W. Front St.	(903) 510-9261
Victoria	Area Office — 8505 N. Navarro	(512) 573-9251
Waco	District Office — 108 S. Loop Dr.	(254) 867-2791
Waskom	Tourist Bureau — 1255 N. IH 20E	(903) 687-2547
Wichita Falls	District Office — 1601 Southwest Pkwy.	(940) 720-7709
Wichita Falls	Tourist Bureau — IH 44 Exit C	(940) 723-7931

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(c) Enforcement Agency

Texas Department of Public Safety
P.O. Box 4087
Austin, TX 78773-0001

(512) 424-2000

(d) Ports of Entry

Texas does not maintain ports of entry.

VEHICLE SIZES & WEIGHTS MANUAL

Reserved

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Utah must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	All Highways
Width:	102 in
Height:	14 ft
Length:	
Straight Trucks	45 ft
Truck-trailer	65 ft
Tractor-semitrailers	No limit with a 53-ft trailer
Tractor-twin-trailers	No limit if coupled trailers measure 61 ft or less
Semitrailer	48 ft
Trailers of twin-trailer combinations	53 ft (allowed on designated highways and U.S. routes only)* 61 ft measured from front of first trailing unit to rear of second
Auto-transporters	65 ft (plus 3-ft front, 4-ft rear overhang)
Stinger-steered	75 ft (plus 3-ft front, 4-ft rear overhang)
Special limitations or restrictions	Other combinations shall not exceed overall length of 65 ft. Allowable overhang is 3-ft front, 6-ft rear. The draw-bar or other connection between any two vehicles may not exceed 15 ft in length from one vehicle to the other unless the combination is operated under a draw-bar permit or if the two vehicles are transporting poles, pipe, machinery, or structural material that cannot be dismembered when transported upon a pole trailer. *Semitrailers exceeding 48 ft and up to 53 ft in length do not require an oversize permit when operating on or within one mile of state-designed routes and U.S. highways. Vehicles operating more than one mile from such routes, or semitrailers with lengths exceeding 53 ft up to 57 ft, will require an oversize permit on a single trip, semiannual, or annual basis.
Weight:	
Single axle	20,000 lb
Tandem axle	34,000 lb
Tridem axle	42,500 lb
Steering axle	Manufacturer's tire rating — not to exceed 20,000 lb
Load per inch width of tire	600 lb
Gross wheel weight	10,500 lb
Gross vehicle weight	80,000 lb

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II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Operators of vehicles (and loads) that exceed legal limits for width, height, length (including front and rear overhang or exceeding draw-bar length), and weight must obtain a Special Transportation Permit before movement on Utah highways.

Except when entering on Northbound I-15 at the St. George Port-of-Entry, Westbound I-80 at the Echo Port-of-Entry, and Eastbound I-80 at the Wendover Port-of-Entry, the appropriate permit must be obtained prior to operating within Utah.

Port-of-entry bypass permits are available; contact the Utah Motor Carrier Division for details.

Each oversize or overweight permit must be carried in the vehicle or combination of vehicles in a paper or electronic format.

All oversize vehicles and loads must be reduced to the minimum practical dimensions.

Utah will issue special mobile equipment (SME) single trip permits under certain conditions (SME refers to vehicles that are not designed or used primarily for the transportation of persons or property, not designed to operate in traffic, and only incidentally moved over a highway). Generally, the distance traveled cannot exceed 20 miles on non-Interstate approved routes and a minimum of one escort is required.

Special truck equipment such as concrete pumper trucks, cranes, and well boring trucks, may be issued oversize/overweight permits when exceeding legal dimensions.

Utility poles may be transported up to 120 feet in overall length, including overhangs, with single trip, semi-annual, or annual permits. Permits are issued to the trailer transporting the poles using the trailer registration information; permits may be issued to the truck or truck-tractor upon company request.

The Department of Transportation will issue permits for moving oversize/overweight vehicles and loads, including trucks, combinations of vehicles, multiple trailer combinations, and mobile and modular homes, provided:

- The applicant is judged competent and qualified to make the move, and application is made in person, by mail, or by other approved means;
- The applicant provides the point of origin, destination, and the desired route, and thoroughly describes and identifies the vehicle and load for the permit requested;
- The proposed move is compatible with traffic safety requirements; and
- The applicant affirms that the vehicle is properly registered and licensed according to Utah law, that drivers and owners of the vehicles have met financial responsibility requirements, and that drivers are properly licensed (with proper endorsements) to operate in Utah.

The Department of Transportation will not issue permits to any company that has not established a safety program that complies with the Federal Motor Carrier Safety Regulations, the Federal Hazardous Materials Regulations, or the Unified Carrier Registration (UCR) Agreement, as required.

The granting of a permit does not release the permittee from complying with other existing laws, local ordinances, or resolutions governing the movement. Also, the permit granted applies only to movements over the highways and bridges under the jurisdiction of the Department of Transportation. The right to use other highways is neither implied nor granted.

Only the Department of Transportation may authenticate changes made on the permit. The permit will be cancelled without refund if violated. Expiration date cannot be extended except for reasons beyond the control of the permittee.

VEHICLE SIZES & WEIGHTS MANUAL

The Utah Motor Carrier Division may transfer permits from one vehicle to another (with the same expiration date as the original permit) for a fee under the following conditions:

- Annual and semi-annual permits may be transferred to another unit within the same company;
- The customer has sold or purchased a vehicle; or
- Lease changes from one company to another by providing evidence of permit ownership.

(b) Fees

Oversize Permits

Single Trip (96 Hours)	\$30.00
Semiannual (180 Days)	75.00
Annual (365 Days)	90.00

Oversize and Overweight Permits for Non-divisible Loads up to 125,000 pounds GVW

Single Trip (96 Hours)	\$60.00
Semiannual (180 Days)	
80,001 - 84,000 lb	180.00
84,001 - 112,000 lb	320.00
112,001 - 125,000 lb	420.00
Annual (365 Days)	
80,001 - 84,000 lb	240.00
84,001 - 112,000 lb	480.00
112,001 - 125,000 lb	540.00

Oversize and Overweight Permits for Nondivisible loads that exceed 125,000 pounds GVW

Single Trip (96 Hours)	\$0.012 per mile for each 1,000 pounds above 80,000 pounds (minimum fee \$80; maximum fee \$540) Mileage will be rounded up to the nearest 50 mile increment, weight will be rounded up to the nearest 25,000 pound increment, and fees will be rounded to the nearest \$10 increment.
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For oversize and overweight permits for divisible loads that do not exceed the bridge formula and the length is:

- More than 61 feet of cargo carrying length for two trailers coupled together but not more than 81 feet, or more than 65 feet for a two-vehicle combination, and the application is for a single trip, semiannual trip, or annual trip permit; or
- More than 81 feet in cargo carrying length but not more than 95 feet in cargo carrying length and the application is for an annual trip permit.

The fees are as follows:

Single Trip (96 Hours)	\$60.00
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Semiannual (180 Days)

80,001 - 84,000 lb	180.00
84,001 - 112,000 lb	320.00
112,001 - 129,000 lb	420.00

Annual (365 Days)

80,001 - 84,000 lb	240.00
84,001 - 112,000 lb	480.00
112,001 - 129,000 lb	540.00

(c) Insurance Requirements

As a condition for obtaining an oversize permit, the applicant or permittee assumes all responsibility for crashes, including injury to any persons or damage to public or private property caused by his/her operations.

The applicant or permittee also agrees to indemnify and hold harmless the Utah Department of Transportation from any and all claims resulting directly or indirectly from the operation and transportation of vehicles or combination of vehicles operating under an oversize or overweight permit.

(d) Permitted Vehicle Limitations

Oversize

Operators of vehicles and loads that exceed the legal maximum length limits of Utah must obtain oversize permits. Length limitations do not apply to combinations of vehicles operated at night by a public utility when required for emergency repair of public service facilities or properties, or when operated with an oversize or overweight permit.

Oversize Divisible Loads

An oversize permit may be issued for moving a combination of vehicles and loads exceeding the legal limits under the following conditions:

- The height of the combination or load does not exceed 14 feet;
- The width of the combination or load does not exceed 8 feet 6 inches;
- In combinations, a longer trailer precedes the shorter trailer;
- In multiple trailer combinations, a lighter trailer may not be placed in front of a heavier trailer when the weight difference is greater than 4,000 pounds; and
- Drawbars exceeding 15 feet in length must be marked with retro-reflective tape the entire length of the drawbar on both the left and right side of the drawbar and the drawbar must display an amber light on both the right and left side of the drawbar located near the center of the drawbar.

Oversize Non-Divisible Loads

Permitted vehicles must comply with the following conditions:

- All vehicles and loads must be reduced to the minimum practical dimensions;
- Semi-annual and annual permits may be issued for dimensions up to, but not exceeding 14 feet in height, 14 feet 6 inches in width, and 105 feet in length.

Bulldozer blades, loader buckets, or similar equipment exceeding 16 feet in width must be removed for transport and may be hauled on the same load with the machinery after removal.

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Loads exceeding 17 feet in width on two-lane routes, 20 feet in width on Interstates, or 17 feet 6 inches in height on all public highways may be allowed under the following terms and conditions:

- The permittee must notify the division by submitting a permit application online and providing the dimensions of the oversize vehicle or load and the proposed route to be used;
- The Motor Carrier Division will notify the department region or district permit official affected by the proposed route, and will obtain authorization for the move;
- Permittee must request authorization through the online system at least 48 hours in advance of the movement;
- Permit is not valid until the permittee has assumed the cost and responsibility to obtain utility company authorizations and clearances; and
- The permittee will assume all costs when a certified police escort or escorts are required.

Tow truck operators may purchase a semi-annual or annual non-divisible oversize permit up to 10 feet wide and 120 feet in length.

Operators of loads exceeding 10 feet wide and 120 feet long must purchase a single trip permit.

Overweight

Divisible Loads

To obtain an overweight permit for a divisible load, the vehicle combination must be registered for 78,001 to 80,000 pounds. Divisible load permits may not be used to transport a non-divisible load.

The width of the vehicle may not exceed 8 feet 6 inches or a height of 14 feet.

All axles weighing more than 10,000 pounds are required to have at least four tires per axle except for steering axles, self-steering variable load suspension or retractable axles, or wide-base single tires that are 14 inches or greater as indicated by the manufacturer's sidewall rating.

Overweight divisible load options are as follows:

- All axles must have dual tires;
- Super wide single tires (14 inches or more);
- Not to exceed 10,000 pounds per axle;
- The axle, groups of axles, and gross vehicle weight do not exceed the federal bridge formula $W = 500\left(\frac{LN}{N-1}\right) + 12N + 36$; and
- All axles in the group must be duals or super singles to be allowed maximum authorized weight.

An overweight non-divisible load may operate with a divisible overweight permit provided the axle, gross, and bridge limitations do not exceed those specified on the permit.

Non-Divisible Loads

Non-divisible permitted vehicles must comply with the following conditions:

- The vehicle and loads are reduced to the minimum practical dimensions;
- The vehicle or combination must be properly registered for 78,001 - 80,000 pounds or the total gross weight of the vehicle; and
- Actual weight must comply with the bridge table formula $1.47 \times 500\left(\frac{LN}{N-1}\right) + 12N + 36$.

A permit for a non-divisible load may not be used to transport a divisible load.

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Vehicles with a gross weight of less than 125,000 pounds may be permitted on a single trip, semi-annual trip, or annual trip basis as described below:

Single Trip, Semi-annual Permits Allowed up to:	
Single axle	29,000 pounds
Tandem axle	50,000 pounds
Tridem axle	61,750 pounds
Trunnion axle	60,000 pounds
Gross weight	125,000 pounds

Non-Divisible Loads Exceeding 125,000 Pounds Gross or Axle Weights

Operators of loads exceeding 125,000 pounds gross, or axle weights for overweight divisible loads, may only purchase single trip permits.

Axle, bridge, and gross weight allowances will be determined on the non-divisible bridge table formula $1.47 \times 500\{LN/N-1\} + 12N + 36$ or in accordance with the federal bridge table.

Nine-foot wide axles are allowed 7.5 percent more weight than 9-foot wide axles.

Ten-foot wide axles are allowed 15 percent more weight than 8-foot wide axles.

When using an axle equipped with eight tires, rather than four, add 10 percent to the weight authorized for an 8-foot wide axle group.

All tires must be in compliance with the manufacturer's tire load rating as indicated on the tire sidewall.

All special truck equipment (STE) operations (such as cement pump trucks, well boring trucks, or cranes with a lift capacity of five or more tons) must have an STE profile sheet when the axle limitations specified in the table above or bridge table are exceeded.

(e) Sign Requirements

Non-divisible oversize loads exceeding 10 feet in width, 14 feet in height, and 105 feet in length must display OVERSIZE LOAD sign to warn the public that extra-large vehicles are in operation.

Signs must be seven feet by 18 inches, on a yellow background with 10-inch high black letters with a $\frac{5}{8}$ -inch stroke to read OVERSIZE LOAD. Signs must be impervious to moisture.

Front signs may be mounted on the front bumper or on top of the vehicle cab. Rear signs should be positioned at the rearmost part of the vehicle or load, or, if not feasible, as far back of the rear of the vehicle cab as possible. The load must not obstruct the view of the sign. If possible, the bottom edge of the sign must be no more than five feet above the road surface.

Signs must be mounted with adequate supporting anchorage and constructed, maintained, and displayed so that they are clearly legible at all times. Signs must be covered, removed, or placed face-down when the vehicle is not moving oversize loads.

Convoy signs must state the number of vehicles in the convoy and comply with the dimensions stated above for Slow Vehicles, and are in addition to OVERSIZE LOAD signs.

LCVs are not required to display signs, or have pilot/escort vehicles.

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(f) Flags and Lighting Requirements

Flags

Red or orange flags must be affixed on all extremities when the vehicle or load exceeds 10 feet in width or if loads on a vehicle exceed three feet to the front or four feet to the rear of the bed or body while in operation.

Flags must be clean and not torn, faded, or worn out. Flags must be fastened so as to wave freely.

Overdimensional flagging is not required on LCVs.

Lights

Warning lights are required when headlights are necessary. Front overhangs exceeding three feet must be marked with a steady, amber marker light and red flag. A rear overhang exceeding four feet must be marked with red clearance lights for night travel.

Vehicles with an overhang extending 20 feet from the front or rear bumper of a vehicle, or from the center of the closest axle in the absence of a bumper, must display a rotating or flashing beacon visible from a minimum of 500 feet, at a minimum height of four feet above ground.

Tow vehicle headlights must be operated on low beams, day or night, as an additional warning to traffic.

Nighttime travel, when authorized by the Motor Carrier Division, may be permitted with marker lights indicating extreme width using amber lights front and center, and red lights to the rear.

(g) Escort/Flagperson Requirements

One pilot/escort vehicle is required for vehicles/loads that exceed the following dimensional conditions:

- 12 feet in width on secondary highways (non-interstate) and 14 feet in width on divided highways (interstates);
- 120 feet in length on divided highways and 105 feet in length on secondary highways; or
- An excess of 20 feet of overhangs (one in the front for front overhangs or one to the rear for rear overhangs).

Two pilot/escort vehicles are required for vehicles/loads which exceed the following dimensional conditions:

- 14 feet in width on secondary highways and 16 feet in width on divided highways;
- 120 feet in length on secondary highways;
- 16 feet in height on all highways; or
- When required by the Motor Carrier Division.

Police escorts are required for vehicles with loads exceeding:

- 17 feet wide or 17 feet 6 inches high on secondary highways; or
- 20 feet wide or 17 feet 6 inches high on all highways.

All loads exceeding 175 feet in length must have a minimum of one police escort. All loads exceeding 200 feet in length must have a minimum of two police escorts.

Follow-up vehicles or escorts are also required for permitted vehicles and loads unable to maintain a minimum speed of 45 miles per hour on any highway, whether four-lane or two-lane.

The UDOT may apply escort vehicle requirements at its discretion when sight distance is deficient or when the width and character of the route are such that an escort vehicle(s) is necessary to provide advance warning to the motoring public.

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Flagpersons

During the movement of an overdimensional load or vehicle, the pilot escort driver in the performance of flagging duties, may control and direct traffic to stop, slow, or proceed in any situations where it is deemed necessary to protect the motoring public from the hazards associated with the movement of the overdimensional load or vehicle. The pilot escort driver, acting as a flagger, may aid the load or vehicle in the safe movement along the highway designated on the permit and must:

- Assume the proper flagger position outside the pilot escort vehicle, and as a minimum, have in use the necessary safety equipment in section 6E.1 of the Manual on Uniform Traffic Control Devices (MUTCD);
- Use STOP and SLOW paddles or 24-inch red or fluorescent orange or red square flags to indicate emergency situations and other equipment as described in section 6E.1 of the MUTCD; and
- Comply with the flagging procedures and requirements as set forth in the MUTCD and the Utah Department of Transportation Flagger Training Handbook.

(h) Escort Car/Company Requirements

Escort vehicles must meet the following requirements:

- The vehicle may be either a passenger car or a two-axle truck and must be properly registered and licensed;
- The wheelbase shall be a minimum of 95 inches;
- The gross vehicle weight shall be a maximum of 12,000 pounds;
- Equipment on the vehicle must not reduce visibility or mobility of the pilot escort vehicle while in operation; and
- Pilot/Escort vehicles may not carry a load or tow a trailer while in pilot/escort operations.

Pilot escort vehicles must be equipped with a two-way radio capable of transmitting and receiving voice message over a minimum distance of one-half mile. Radio communications must be compatible with accompanying pilot escort vehicles, utility company vehicles, permitted vehicle operators, and police escorts, when necessary. When operating with police escorts, a CB radio is required.

Pilot escort must be equipped with the following safety items:

- Standard 18-inch or 24-inch red/white STOP & black/orange SLOW paddle signs (for nighttime travel moves, signs must be reflective according to MUTCD standards);
- Eight red-burning flares, glow sticks, or an approved alternate;
- Nine reflective triangles or 18-inch reflective orange traffic cones (not to replace the flares or cones required in this equipment list);
- Three orange 18-inch high cones;
- Flashlight with a minimum one and one-half-inch lens diameter, with extra batteries or charger (shake or crank flashlights not allowed);
- Six-inch minimum length red or orange cone or traffic wand for use when directing traffic;
- Orange hard hat and Class 2 safety vest (Class 3 safety vests are required for nighttime travel moves);
- Height measuring pole, of a non-conductive non-destructive, flexible material (only required when escorting any load exceeding 16 feet in height);
- Fire extinguisher;
- First aid kit, clearly marked as such;

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- One spare OVERSIZE LOAD sign, seven feet by 18 inches;
- Serviceable spare tire, tire jack, and lug wrench; and
- Handheld two-way simplex radio or other compatible form of communication for operations outside pilot escort vehicles.

Vehicles should not have unauthorized equipment on the vehicle, such as those generally reserved for law enforcement personnel.

Pilot escort vehicle drivers must possess current certificates of insurance or endorsement that indicates the operator, or the operator's employer, has in full force and effect no less than \$750,000 combined single limit coverage for bodily injury and property damage as a result of the operation of the escort vehicle, the escort vehicle operator, or both, causing bodily injury and property damage arising out of an act or omission by the pilot escort vehicle operator of the duties required by the regulations. Such insurance or endorsement must be maintained at all times during the term of the pilot escort certification. Pilot escort vehicles shall have a minimum amount of \$750,000 liability (this is not a cumulative amount).

Pre-trip planning and coordination meetings must be held prior to a load movement. Certified pilot escort operators must refer to highway restrictions specified in the secondary highway restrictions prior to all load movements.

Escort certification

Every person who drives a pilot/escort vehicle to escort over-dimensional/permitted loads in the state of Utah must meet the following requirements:

- Be a minimum of 18 years of age;
- Possess a valid driver's license for the state or jurisdiction in which he/she is a resident;
- Obtain and carry in their possession at all times while in pilot/escort operations, a certification card issued by an authorized Qualified Certification Program; and
- Meet the requirements of 49 CFR 391.11 if using a vehicle for escort operations in excess of 10,000 pounds.

Within 30 days, pilot escort drivers must provide a current motor vehicle record (MVR) certification to the qualified certification program at the time of the course.

Pilot/escort vehicle operators must never allow passengers under 16 years of age in pilot escort vehicles during the movement of oversize loads or perform work as a tillerman while performing pilot escort operations.

The pilot escort vehicle certification process includes the following:

- Drivers domiciled in Utah must complete a Utah pilot escort certification course authorized by the Division (a list of authorized instructors may be obtained by calling (801) 965-4892);
- Pilot escort drivers domiciled outside of Utah may operate as a certified pilot escort driver with another state's certification credential, provided the course meets the minimum requirements outlined in the *Pilot Escort Training Manual - Best Practices Guidelines* as endorsed by the Specialized Carriers and Rigging Association, Federal Highway Administration, and the Commercial Vehicle Safety Alliance;
- The department may enter into a reciprocal agreement with other states provided that the course materials are comprehensive and meet minimum requirements;
- The pilot escort driver's initial certification expires four years from the date issued and it is the responsibility of the driver to maintain the certification; and
- One additional four-year certification may be obtained through a mail-in or online re-certification process provided by a qualified pilot escort training entity.

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Escort car signs, flags, and lights

Pilot escort vehicles must display an OVERSIZE LOAD sign mounted on the top of the pilot/escort vehicle. The sign must be a minimum of five feet wide by 10 inches high, with a solid yellow background and eight inch high by one-inch wide black letters (Note: solid is defined as when being viewed from the front or rear at a nine degree angle, no light can transmit through). The sign for the front pilot/escort vehicle must be clearly legible by oncoming traffic at all times, and the sign for the rear pilot/escort vehicle must be readable and clearly legible by traffic overtaking from the rear.

An escort displaying a Slow Vehicle sign must accompany oversize/overweight vehicles unable to maintain a minimum speed of 45 mph on freeways or interstate highways. This sign must be a wood or metal panel, five feet by ten inches, on a yellow background with eight-inch high black letters, in accord with Federal Highway Administration Standard Alphabet Series B, painted with a one-inch wide stroke. The sign must be mounted on top of the escort vehicle, with the bottom edge not less than five feet above the road surface.

If the permitted vehicle is able to maintain adequate speed, but an escort is still required, the escort must display an OVERSIZE LOAD sign. Its dimensions are the same for a Slow Vehicle sign (see above). Slow Vehicle signs always take precedence over OVERSIZE LOAD signs.

Two methods of lighting are authorized by the division:

- Two AAMVA approved amber flashing lights, minimum six inches in diameter, 60 flashes per minute, mounted with one on each side of sign and illuminated at all times during operation; or
- An AAMVA approved amber rotating, oscillating, or flashing beacon or light bar mounted on top of the pilot escort vehicle, unobstructed and visible for 360 degrees with warning lights illuminated at all times during operation.

Incandescent, strobe, or diode lights may be used provided they meet the above criteria.

(i) Travel Restrictions

Loads exceeding 14 feet in height, 10 feet in width, 105 feet in length, or an overhang exceeding 10 feet are restricted to daylight hours except as provided below.

However, the Motor Carrier Division encourages the movement of oversize loads at night under the following conditions:

- Loads may not exceed 12 feet wide on secondary highways, 14 feet wide on interstates, and 14 feet high on all roadways;
- Loads exceeding 10 feet wide, 105 feet overall length, or 10 feet front and rear overhang are required to have one certified pilot/escort on interstate highways and two on all secondary highways;
- Loads exceeding 92 feet overall length are required to have proper lighting every 25 feet, with amber lights to the front and sides of the load marking extreme width, and red to the rear; and
- Nighttime travel authorization does not supersede adverse weather conditions.

Carriers may not operate permitted vehicles in excess of 81 feet of cargo or cargo carrying length when the following conditions exist:

- Wind in excess of 45 mph;
- Any accumulation of snow or ice on the roadway; or
- Visibility less than 1,000 feet.

Travel is prohibited for loads greater than 10 feet wide, 105 feet overall length, and 14 feet high, Monday through Friday between 6 and 9 a.m. and 3:30 and 6 p.m.(Mountain Time) on the following highways:

- All highways south of Perry Interchange, I-15, Exit #357;
- All highways in Weber, Davis, and Salt Lake Counties;

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- All highways in Utah County north of I-15, Exit #261;
- SR 68, North of Mile Post 16 in Utah County;
- I-80 East side of Salt Lake County Mile Post 139 to Mile Post 101 on the West side of Salt Lake County; and
- I-84 west of Mile Post 91.

The Motor Carrier Division may authorize exceptions to nighttime travel and curfew congestion restrictions.

For travel restrictions on secondary highways, reference the Utah Trucking Guide, Chapter 26. The guide is available at http://www.utahmc.com/trucking_guide/.

Holiday restrictions

Travel is prohibited for loads greater than 10 feet wide, 105 feet overall length, and 14 feet high during the following holidays:

Christmas Day	Independence Day
New Year's Day	Memorial Day
Labor Day	Thanksgiving Day

The following holiday travel restrictions may also apply:

If the holiday is observed on:	Then travel is prohibited:
Monday	2 p.m. Friday to daylight Tuesday
Tuesday, Wednesday, and Thursday	2 p.m. on the day before the holiday to daylight the day after the holiday
Friday	2 p.m. Thursday to daylight Monday

Convoys

Utah allows moving more than one special permit vehicle in convoy provided the following requirements are met:

- There are no more than two permitted vehicles in the convoy;
- The loads do not exceed 12 feet in width or 150 feet overall length;
- Distance between vehicles will not be less than 500 feet and not more than 700 feet;
- The distance between convoys must be a minimum of one mile;
- There must be a certified pilot escort in the front and rear displaying proper signs;
- Police escorts or Department personnel may be required;
- Convoys must meet all lighting requirements;
- Convoys are restricted to freeway and Interstate systems; and
- Approval for nighttime travel may be obtained by contacting the Motor Carrier Division, and exceptions may be granted on a case-by-case basis.

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(j) Manufactured Housing Permits

Mobile homes with a wall-to-wall width in excess of 14 feet 6 inches up to 16 feet, transported on their own running gear, may be issued a single trip permit under the following conditions:

- All trailer axles must be equipped with operational brakes; and
- Axle suspensions must not exceed manufacturer's capacity rating.

Paneling requirements of the open sides of a mobile manufactured home must be a rigid material of 0.5 millimeter plastic sheathing backed by a rigid grillwork not exceeding squares of four feet to prevent billowing must fully enclose the open sides of the units in transit.

Rear mounted stop and turn signal lights shall be a minimum of six inches in diameter with a type 35 red reflector lens. The lens must be mounted no more than 18 inches from the outer edge of the unit and no less than 15 inches or more than 8 feet above the road surface. Houses, buildings, and structures not manufactured or built to be transported, will not require tail, brake, or signal lights mounted on the structures as certified pilot and police escort vehicles provide sufficient warning of the intent to brake, turn, or stop.

Two safety chains must be used, one each on the right and left sides but separate from the coupling mechanism connecting the tow vehicle and the mobile and manufactured home while in transit.

Tow vehicles must comply with the following, at a minimum:

- Conventional or cab-forward configuration must have a wheelbase of 120 inches;
- Cab-over engine tow vehicles must have a minimum wheelbase of 89 inches;
- Have a minimum of four rear tires; and
- Mirrors on each side of the tow vehicle must be arranged so that the driver can see the entire length of both sides of the towed unit.

Mobile manufactured homes in excess of 8 feet 6 inches wide, up to 12 feet wide and equipped with one axle must have operational brakes. A minimum of two axles equipped with operative brake assemblies is required on each mobile manufactured home unit exceeding 12 feet in width.

(k) Annual, Extended, And/Or Other Permits

Semi-annual and annual permits are available in Utah as described above.

(l) Sealed Containerized Cargo Permits

Utah does not have special requirements concerning sealed containerized cargo permits.

III. SUPER LOADS

Super loads are generally considered to be anything over 17 feet wide, 17 feet 6 inches high, and/or 125,000 pounds gross weight. There is no maximum length, as long as the road can accommodate the load.

The state considers any load requiring bridge analysis and special routing to be a super load.

Diagrams of axle spacings and weights are required along with the routes to be traveled.

Up to 25 percent over legal will be routine issue.

Applications are usually processed within the day, but if it is an extremely large or heavy load it might take up to 48 hours.

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IV. AGENCY REFERENCES

(a) Sizes and Weights

Regulatory agency/Permit agency/Enforcement agency

Department of Transportation (UDOT), Motor Carrier Division

(801) 965-4892 (Permits, Ports-of-Entry)

(801) 965-4892 (Motor Carrier Customer Service)

(801) 965-4518 (Enforcement)

www.utahmc.com (Information and Online Permits)

mccustomerservice@utah.gov

Super loads

Utah Department of Transportation, Port of Entry Section

(801) 965-4892

www.udot.utah.gov

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Reserved

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I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Vermont must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Width:	102 in	102 in
Height:	13 ft 6 in	13 ft 6 in
Length:		
Straight Trucks	46 ft	46 ft
Truck-trailer	75 ft	75 ft*
Tractor-semitrailer combinations	No limit with legal trailer limit	75 ft*
Tractor-twin-trailer combination	No limit with legal trailer limit	Not allowed (unless on approved routing)
Semitrailer	53 ft**	53 ft**
Trailers of twin-trailer combinations	28 ft	Not allowed (unless on approved routing)
Special limitations or restrictions	<p>*Except on US RT 4 from the New Hampshire line to the Jct. of VT RT 100 South; a no-fee permit is required if the length is 68 ft to 72 ft. If length exceeds 72 ft, a single trip permit is required.</p> <p>**All trailers must have maximum distance from kingpin to center of rearmost axle group not to exceed 41 ft, and must be equipped with rear underride protection.</p>	
Weight:		
Single axle	20,000 lb	22,400 lb
Tandem axle	34,000 lb	36,000 lb
Steering axle	600 lb/in	600 lb/in
Load per inch width of tire	600 lb/in	600 lb/in
Gross vehicle weight	80,000 lb	80,000 lb
Tolerances	—	10% on axles 5% on gross

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II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Operators of vehicles that exceed legal size or weight limits, with or without load, must obtain an oversize/overweight permit from the Department of Motor Vehicles, Commercial Vehicle Permit Unit, before making any movement in Vermont. The Department will not issue permits for loads that can be reasonably reduced to the legal width, height, length, or weight; all loads that are issued permits must be reduced to the absolute minimum. Permits may be applied for with the Department.

There are no exemptions from the permit requirements for poles and pipes.

When the size or weight of a vehicle and/or load is sufficiently excessive for the routing requested, the Commissioner of Motor Vehicles may require the Highway Department to conduct an engineering inspection of the vehicle, load, and route, for which an additional \$300 to \$10,000 will be added to the permit fee.

Only one vehicle or vehicle combination is allowed on each permit. The Department will issue single trip permits to cover a single trip or a trip that will be completed by return to the departure point within ten working days. Should the return exceed the 10 working days, the permittee will have to obtain a new permit. Blanket and annual permits are available.

Permits that are routed over town or state-aid roads must be in agreement with any local regulations for the roads, or proper arrangements must be made with local authorities beforehand for the movement of oversize or overweight vehicles.

Oversize/overweight construction equipment may operate on Vermont highways only under permit. Euclids, tournarockers, dumptrucks, etc., must carry no load except parts and accessories that belong with the equipment. Construction equipment that is in itself overwidth may travel empty, under permit, but it may only transport loads that exceed the legal width.

The Department will not issue permits for moving loads along or across state highways when these loads are on skids. To move such a load, it must be placed on a truck, trailer, or other wheeled vehicle.

The Department will issue permits for moving extra-heavy equipment such as draglines, shovels, etc., on crawlers under its own power when the movement is directly across the highway or for a short distance along the highway. When these movements are necessary, the permittee must protect pavement and shoulder surfaces with planks, timbers, or an earth cushion. If a movement may damage highway facilities, the Department may require the applicant to deposit a certified check or other security in an amount to be determined by the Department.

New England Transportation Consortium

Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont have formed the New England Transportation Consortium (NETC). One of the efforts of the NETC was to develop procedures for issuing permits for nondivisible oversize and nondivisible overweight trucks engaged in interstate travel within the five states.

Under these procedures, multi-state permits may be obtained only for vehicles and loads falling within the following limits: weight - 108,000 pounds on five or more axle units, or 120,000 pounds on six or more axle units; length — 90 feet; height — 13 feet 6 inches; width — 14 feet (additional six inches of overhang for eaves on mobile and modular home components only is permissible). To obtain a permit, contact the state permit office in the destination state. If the destination is outside the NETC states, the state of origin or entry will issue the permit. For vehicles exceeding above limits, individual state permits must be obtained from each state permit office.

Provisions covering signs and flags, escorts, travel restrictions, etc. accompanies the permit. For more information on all of the permit provisions under the consortium, contact the permit agency listed at the end of this state section.

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(b) Fees

Payment must be made in advance of issuance of permit. Cash, checks, or money orders in U.S. funds are acceptable. You may also establish an account or deposit with the Department, from which the agency will subtract the permit fee each time you obtain a permit.

Permit Type	Fees
Single Trip Permit	\$35
Blanket Permit	\$100
Fleet Blanket Permits	\$100 for first unit; \$5.00 for each additional unit
Annual permits to haul unprocessed milk, forest, or quarry products	\$500
Mobile home or manufactured home permits	\$35
Special Excess Weight Permits	Fees vary by weight permit issued.

(c) Insurance Requirements

If the oversize load to be hauled is required to have an engineering study prior to issuance of an overdimension/overweight permit, a special certificate of insurance showing minimum of \$250,000 for death or injury to one person, \$500,000 for death or injury to two or more persons, and \$250,000 property damage all arising out of any one accident, must be filed with the Commercial Vehicle Permit Unit.

Permit applicants are responsible for any injury to persons or damage to public or private property caused directly or indirectly by the move. Applicants will be held responsible for any damage done to highway surfaces or other structures along specified routes. The State of Vermont must be held harmless from any claims or suits resulting from the move.

(d) Permitted Vehicle Limitations

Permitted vehicle limitations are as follows:

Load Condition	Limitations
Width	Any vehicle and/or load exceeding 8 ft 6 in. in width must have a special permit before moving on Vermont highways. State regulations state no specific maximum width limit for which permits are issued for interstate highways or other four-lane roads. For most movements, the maximum width allowed will depend on the engineering survey, the roads to be traveled, distance, and other factors.
Height	Any vehicle and/or load exceeding 13 feet 6 inches in height must have a special permit before moving on Vermont highways. Clearing overhead structures and utility lines and the general safety of the traveling public govern the issuance of overheight permits. The height of structures along movement routes must be checked by the applicant to assure adequate clearances. The height of traffic lights is often a determining factor in the issuance of permits; most traffic lights are 14 feet above the ground. Generally, loads over 14 feet high are limited to short travel distances and need an Engineering survey.

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Load Condition	Limitations
Length	<p>On state highways, any load exceeding 75 ft when hauling a 48-53 ft trailer or less, must have a special permit before moving on state highways. There is no overall length limit for tractor semitrailer or tractor semitrailer-trailer combinations on the federal interstate system or designated federal-aid primary routes. On these highways, however, any semitrailer exceeding 53 feet in length or any trailer of a twin-trailer combination exceeding 28 ft in length cannot operate. On US RT 4 from the New Hampshire line to the Jct. of VT RT 100 South, a no-fee permit is required if the length is 68 ft to 72 ft. If the length exceeds 72 ft, a single trip permit is required. Tandem trailer combinations are allowed to exit interstate and designated highways at designated exits. Call the Department for an up-to-date list of exits. Access to and from other exits is allowed by permit only. For travel beyond the mile limit on highways not designated open, you must obtain permits in advance from the Department.</p> <p>The routes to be traveled, the engineering survey, the distance, and other factors determine the maximum length limit for which permits will be issued.</p>
Weight	<p>Any gross weight exceeding the maximum legal weight limits is subject to the following requirements and conditions:</p> <ol style="list-style-type: none"> 1. Vehicle and load may move only under a special permit. 2. No vehicle or combination of vehicles must move on highways when the gross weight of the wheel or tire exceeds 600 lb per inch width of tire (manufacturer's rating will govern tire width). 3. The tires and axles, other than the front or steering axle, will determine the gross weight allowed under permit. 4. Any permit issued is not valid on state highways, state aid or town roads, or over bridges that are posted for a lower limit than the gross weight of the vehicle and load. 5. Overweight permits will be issued only to a five or more axle vehicle combination, including a three-axle truck or truck-tractor. Vehicles that have indivisible loads exceeding the maximum limit must be registered for the maximum. <p>The Department will also issue blanket permits for operations within specified zone limits. In this case, nondivisible loads may be transported under an overweight permit up to a maximum of 120,000 lb total gross weight.</p>

(e) Sign Requirements

Signs must be at least seven feet long by 18 inches high with 10-inch high black letters on a yellow background. The lettering brushstroke must be 1.4 inches. The sign must be made of durable material that's not affected by inclement weather. The sign must read OVERSIZE LOAD though a similar sign allowed in other states will also be accepted in Vermont. Signs must be securely attached to the rear of the load or vehicle and covered or removed when not making an oversize move.

The Department requires an oversize load sign to be displayed on all overwidth loads.

Signs are required for movements that are overheight, and flags are required on all four corners.

Signs are required for any overlength load 75 feet or more.

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(f) Flags and Lighting Requirements

The Department requires that red, day-glo or fluorescent orange flags at least 18 inches by 18 inches be displayed on the four corners of all oversize loads. All warning flags must be secured by at least one corner or mounted on a staff.

All overwidth loads require two and up to six flags to be mounted at the widest extremity of the load.

Overlength loads or loads with rear-end overhang in excess of four feet must display one flag at the end of the overhang if less than two feet wide, and two flags if the overhang is over two feet wide. Overhang must comply with 49 CFR 393.11.

(g) Escort/Flagperson Requirements

When one escort is required, it must precede a load on two lane highways and follow the load on four or more lane highways.

For interstate and intrastate operation, one escort is required on two lane roads with traffic in both directions and multilane divided highways with two or more lanes in direction with shoulder for:

- Wide loads of 12 feet or more;
- Long loads of 80 feet or more;
- Overhangs of 15 feet or more; or
- At the discretion of the Commissioner.

Two escorts may be required for safety reasons on large or hazardous moves.

Escorts must accompany any vehicle that exceeds 12 feet.

Escorts are required for movements that are 14 feet or higher.

Escorts must accompany any vehicle/load that exceeds 80 feet in length, or has more than 15 foot overhang.

Flagpersons

The Department may require flagpersons wearing distinctive clothing for large or long moves. Flagpersons must protect traffic when the permitted movement enters or leaves main highways, and assist drivers at locations where adequate vision is obscured.

(h) Escort Car/Company Requirements

Escort vehicles must be at least the size of a compact size car or larger. Escort vehicles will maintain visual and two-way radio contact with the permitted vehicle at all times.

Escort car signs, flags, and lights

An escort car must be equipped with a flashing amber light above the highest point of the vehicle and visible from the front and rear and with appropriate signs. An escort preceding an oversize load must have a sign on the front reading OVERSIZE LOAD and an escort car following must have a sign on the rear reading OVERSIZE LOAD. These signs must have 10-inch black letters (1.4-inch brush stroke) on a yellow background and be at least five feet long and 12 inches high. Signs must be covered or removed when an escort car is not accompanying an oversize move.

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(i) Travel Restrictions

The Department will specify routes to be traveled and may impose certain other restrictions on movements under special oversize and/or overweight permits. Vehicle combinations over 10 feet 6 inches wide, or 100 feet long, or in excess of 108,000 pounds cannot travel on Saturday, Sunday or holidays.

Travel with vehicles and/or loads, that are overwidth or overlength or overheight, shall be restricted to daylight hours, and movement shall be made between 30 minutes before sunrise and 30 minutes after sunset. Vehicles, that are overweight only and are capable of traveling with the traffic flow are not restricted to daylight travel time.

No travel is allowed when road conditions, weather conditions, or visibility make traveling hazardous to the operator or to the driving public. Vehicles, that are underway when inclement weather occurs, must exit the road at the first available location and park in a safe place until the weather clears, or until the road conditions improve.

During winter thaws, rainy periods, or when the frost thaws, state and local authorities may post lowered weight limits. No loads in excess of the posted limits are permitted during these periods. No new permits will be issued, and blanket permits will be suspended until the restrictions are lifted.

For convoy operations, there must be a minimum spacing of 1,000 feet between permitted vehicles.

Holidays

On state highways unless otherwise stated, permits will not be issued for movements of loads in excess of 108,000 pounds, or over 10 feet 6 inches wide, or over 100 feet long on Saturdays, Sundays, and Friday afternoons between July first and Labor Day, or the following legal holidays:

New Year's Day, January 1st	Labor Day, the 1st Monday in September
Martin Luther King's Birthday, the 3rd Monday in January	Columbus Day, the 2nd Monday in October
President's Day, the 3rd Monday in February	Veteran's Day, November 11th
Memorial Day, May 30th	Thanksgiving Day and the day after Thanksgiving — the 4th Thursday and Friday in November
Independence Day, July 4th	Christmas Day, December 25th

If a holiday falls on a Saturday, the preceding Friday is a legal holiday; if a holiday falls on a Sunday, the following Monday is a legal holiday and these days are restricted as other holidays.

If a holiday falls on Saturday, the preceding Friday is the legal holiday. If a holiday falls on Sunday, the following Monday is a legal holiday.

The Commissioner of Motor Vehicles may further restrict the movement of oversize vehicles before and after certain holidays, at his/her discretion.

Speed limits

The maximum speed may be decreased for hazardous loads or conditions. Loads in excess of 10 feet in width are restricted to movement as one-way traffic on bridges with roadway width of less than 22 feet. Speed is limited to 45 miles per hour for loads in excess of 90,000 pounds, or 10 feet in width, or over 13 feet 6 inches in height or 75 feet in length, on State Highways. The speed on the interstate shall be 60 miles per hour unless otherwise specified.

(j) Manufactured Housing Permits

All requirements listed also apply to the movements of mobile homes.

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(k) Annual, Extended, And/Or Other Permits

Blanket permits

Blanket permits expire when the vehicle's registration expires. Should the holder of a blanket permit violate any of its provisions, the Department may revoke the permit immediately. Oral permission will not be given for blanket permits; written permission is required. The following conditions apply to blanket permits:

1. Issuance of Blanket Permits for Statewide Operation
 - Maximum width, 10 feet, 6 inches, when length is greater than 68 feet, up to 100 ft.
 - Maximum width, 12 feet 6 inches, when length does not exceed 68 feet.
 - Maximum width, 13 feet, farm equipment dealers only.
 - Maximum height, 14 feet.
 - Maximum weight — for indivisible loads only, 108,000 pounds if the vehicle is registered to at least 80,000 pounds.
2. Issuance of Blanket Permits within Zone Limits (e.g., construction area, metropolitan area, etc.)
 - Maximum width, 13 feet 8 inches, when length does not exceed 75 feet.
 - Maximum width, 12 feet, when length is 75 feet or more.
 - Maximum height, 14 feet.
 - Weight-divisible loads may be transported up to a maximum 120,000 pounds total gross.
 - Restrictions are limited to specific locations and times.
3. Blanket Annual permits may be issued for overwidth, overheight, or overlength trailers or semitrailers within specified zones, as follows:

Overweight: Special excess weight permits will expire coincidentally with the vehicle's registration except for vehicles not registered in Vermont, in which case the permit shall expire at midnight December 31 following the date of issue. There are no travel restrictions, and no signs or flags are required.

The maximum weight allowed with the permit for milk haulers is 99,000 pounds. The vehicle being used must have at least six axles and 51 feet between centers of the extreme axles.

Overwidth: A one-year overwidth permit is available for a fee of \$100 for the first unit and \$5 for each additional unit. The maximum width allowed is 12 feet 6 inches. There are certain travel restrictions, and signs and flags are required.
4. Vehicles obtaining blanket permits for weight must be registered to the maximum limit and capable of grossing the road limit in accordance with 23 V.S.A. §1391 and §1392.

Annual permits

Special zone permits may be issued for overwidth, overheight, or overlength trailers or semitrailers within specified zones, as follows:

Overweight: Special annual permits will expire coincidentally with the vehicle's registration except for vehicles not registered in Vermont, in which case the permit will become void on January 1 following the date of issue. The permits may be issued to a person or corporation operating on designated routes on the state highway system for a fee of \$310.

The special permit may be issued only for a combination of vehicle and semi-trailer or trailer equipped with five or more axles, with a distance between axles meeting the minimum requirements of registering a vehicle to 80,000 pounds. The maximum gross load under the special permit is 90,000 pounds. The special permit will not apply to operation on the interstate and defense highway system.

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A truck-trailer combination or truck-tractor, semitrailer combination with six or more load-bearing axles is allowed to bear a maximum of 99,000 pounds by special annual permit, which expires with the vehicle's registration, except for vehicles not registered in Vermont, in which case the permit becomes void on January 1 following the date of issue, for operation on designated routes on the state and town highways. The combination of vehicles must have a minimum distance of 51 feet between extreme axles. Unless authorized by federal law, the special permit will not apply to operation on the interstate and defense highway system. The fee for this annual permit is \$310 for vehicles bearing up to 90,000 pounds and \$500 for vehicles bearing up to 99,000 pounds.

Overwidth: A one-year overwidth permit is available for a fee of \$100 for the first unit and \$5 for each additional unit. The maximum width allowed is 12 feet 6 inches. There are certain travel restrictions, and signs and flags are required.

All products include whole trees, parts thereof, logs and wood chips (does include sawdust or bark mulch).

- 90,000 pound permits: a minimum of 51 feet between the center of the first and last axle is required for a 5-axle combination and a minimum of 43 feet between centers of the first and last axle group is required for a 6-axle combination (7-axle requires 34 feet).
- 99,000 pound permits: require at least 6 axles and 51 feet between centers of the extreme axles.

Unprocessed milk products means raw milk transported in bulk. (Also includes water for consumption.)

- 90,000 pound permits: a minimum of 51 feet between centers of the first and last axle is required for a 5 axle or more combination.
- 99,000 pound permits: require at least 6 axles and 51 feet between centers of the extreme axles.

All Products/Special Excess Weight Permit — The Department may also issue a special annual permit for transporting loads on designated routes of the state highway system. The permit will expire at the same time as the vehicle's registration if registered in Vermont. This special permit will be issued to the following types of vehicles (with a five percent tolerance on gross vehicle weight):

1. Three-axle trucks with a single steering axle and a rear tandem axle, registered for a minimum weight of 55,000 pounds may obtain a permit to gross 60,000 pounds. Both rear axles powered and with brakes. Fee \$115.
2. Four axle straight trucks with a single steering axle and a rear tri-axle unit registered for a minimum weight of 60,000 pounds, may obtain a permit to gross 69,000 pounds. Two axles of tri-axle group must be powered, and must be braked. Fee \$260.
3. 4-axle truck/tractor semi-trailer combination with a maximum gross weight of not more than 72,000 pounds, provided the distance between the second axle of the tractor and the rear axle of the trailer is at least 24 feet measured to the nearest foot. (For each foot or fraction of a foot less than 24 feet measured to the nearest foot, a reduction of 2,000 pounds in the maximum gross weight shall be made.) Fee \$10.
4. 5-or-more-axle truck/tractor semi-trailer or truck trailer combination with a maximum gross weight of not more than 76,000 pounds provided that the distance between the first and last axle of two consecutive sets of tandem axles is at least 24 feet measured to the nearest foot. (For each foot or fraction of a foot less than 24 feet measured to the nearest foot, a reduction of 2,000 pounds in the maximum gross weight shall be made.) Fee \$10.
5. 6-or-more-axle truck/tractor semi-trailer or truck trailer combination with a minimum of 47 feet between extreme axles and registered to the maximum of 80,000 pounds may obtain a permit to gross 90,000 pounds. Fee \$310.

The following conditions apply to these permits:

- No single axle of a tandem axle unit must support more than 60% of the total weight supported by the tandem axle unit.
- No single axle of a tri-axle unit must support more than 40% of the total weight supported by the tri-axle unit.

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- The maximum load on any axle of the vehicle must not exceed a gross weight of more than 600 lbs. per inch width of tire, computed to conform to the manufacturer's designated width.

Sealed containerized cargo permits

Vermont does not have special requirements concerning sealed containerized cargo permits.

III. SUPER LOADS

Loads in excess of 15 feet wide, 14 feet high, 100 feet long, and/or 150,000 pounds are considered super loads.

Engineering studies are required for all super loads.

Drawings are required showing the load, configurations of equipment and weight distribution.

The gross weight allowable shall be governed by the tires and axles, other than the front or steering axles.

The clearance of facilities and general safety of the traveling public are the governing factors in issuing overheight permits.

Super load permits are only issued for loads having an origin or destination in the state or if travel through the state cannot be avoided.

Allow at least 10 working days for processing

IV. AGENCY REFERENCES

(a) Sizes and Weights

Super loads

Vermont Agency of Transportation, Motor Carrier Safety Unit

(802) 828-2064

www.aot.state.vt.us/

Regulatory agency/Permit agency

Department of Motor Vehicles, Commercial Vehicle Enforcement Unit

(802) 828-2078 (Regulatory Agency)

(802) 828-2064 (Permit Agency)

dmv.vermont.gov/

VEHICLE SIZES & WEIGHTS MANUAL

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I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Virginia must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Width:	102 in	102 in
Height:	13 ft 6 in	13 ft 6 in
Length:		
Straight Trucks	40 ft	40 ft
Bus	45 ft	45 ft
Tractor-semitrailer combinations	No limit	65 ft*
Tractor-twin-trailer combination	No limit	Not allowed
Semitrailer	53 ft**	53 ft**
Trailers of twin-trailer combinations	28 ft 6 in	Not allowed
Auto/watercraft-transporter combination	65 ft plus 3-ft front and 4-ft rear overhang	60 ft, plus 5-ft overhang
Stinger-steered — auto/watercraft transporter	75 ft plus 3-ft front and 4-ft rear overhang	N/S
Drawbar length	15 ft	15 ft
Special limitations or restrictions	*Length may exceed 65 ft as long as trailer does not exceed 53 ft and kingpin to rear-most axle, or point midway between rear tandem axles, does not exceed 41 ft. **53-ft trailer permitted, provided there is a distance of no more than 41 ft between the kingpin of the semitrailer and the rearmost axle, or a point midway between the rear tandem axles.	
Weight: *	On Interstate System Highways Only	On All Other State Highways
Single axle	20,000 lb	20,000 lb
Tandem axle	34,000 lb	34,000 lb
Steering axle	N/S	N/S
Load per inch width of tire	650 lb	650 lb
-or-		
Gross wheel weight	N/S	N/S
Gross vehicle weight	80,000 lb	80,000 lb

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	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Tolerances	Not permitted	Not permitted

Any motor vehicle using an auxiliary power unit or other idle reduction technology will be allowed an additional 550-lb total in gross, single axle, tandem axle, or bridge formula weight limits. The operator must be able to prove by written certification the weight of the unit or technology and by demonstration or written certification that the unit or technology is fully functional at all times.

MAXIMUM WEIGHT LIMITATIONS ON ALL HIGHWAYS

Any one Axle	20,000 lb
Tandem Axles (more than 40 in. but not more than 96-in. spacing between axle centers)	34,000 lb
Single Unit (2 Axle)	40,000 lb
Single Unit (3 Axle)	54,000 lb
Tractor-Semitrailer (3 Axle)	60,000 lb
Tractor-Semitrailer (4 Axle)	74,000 lb
Tractor-Semitrailer (5 Axle)	80,000 lb
Tractor-Semitrailers (6 Axle)	80,000 lb
Tractor-Twin Trailers (5 or more Axles)	80,000 lb
Other Combinations (5 or more Axles)	80,000 lb
Per inch of tire width in contact with road surface	650 lb

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Operators of vehicles that exceed legal size or weight limits, with or without load, must obtain an Overdimensional/Overweight Hauling Permit from the Department of Motor Vehicles (Permit Section) before making any movement on Virginia highways. The Department will issue permits for loads and vehicles that cannot be reduced, dismantled, or otherwise separated.

There are no exemptions from the permit requirements for overlength poles or pipes.

The Department of Motor Vehicles, will issue so-called "overload permits" to owners of vehicles. The permits extend the gross, tandem and single axle weight limitation a certain percentage beyond the registered weight.

A single trip permit authorizes one trip between points of origin and destination, to be completed within a two-week period or 13 calendar days from issuance.

Single-trip permits may be issued by the DMV Central Office, a Permit transmission company, via telephone ((804) 786-2787) or online.

The Department will only accept requests for special permits for loads exceeding general limitations; allow five days for handling. The applicant will have to pay for any cost incurred for an engineering analysis or inspection of a proposed move.

A hauling permit may also be required when traveling through a locality. The state hauling permit is not valid when traveling through the following cities: Newport News, Hampton, Virginia Beach, Norfolk, Suffolk, Chesapeake, Portsmouth, and Richmond (unless identified by the state permit). Contact numbers for localities issuing hauling permits in Virginia can be found in the Agency Contacts.

All permits may be applied for online at https://www.dmv.virginia.gov/dmvnet/trip_permit/intro.asp.

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Southeast Association of State Highway and Transportation Officials (SASHTO) regional permits

Effective September 1, 1994, nine southeastern states joined together allowing carriers — who need an oversize permit for operation on the highways in any of the nine states — to obtain a single permit to cover all member states, rather than apply for separate permits in each state. Since that time additional states have joined, bringing the total to sixteen. The member states are Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, Missouri, North Carolina, Ohio, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia. There are, however, certain requirements to be met when applying for such permit.

The permit will only be issued for an “envelope” vehicle, transporting a non-divisible load, and whose dimensions cannot exceed the following:

Length:	100 ft overall
Height:	14 ft
Width:	14 ft
Weight:	120,000 lb GVW 20,000 lb Single Axle 40,000 lb Tandem Axle 60,000 lb three or more Axles

The permit is only available through a wire service (not the state agency); is only valid for a single trip (no return trip); and is valid for no more than 10 days, or less than five days. Carrier will be informed of applicable restrictions when the permit is issued.

(b) Fees

Permit Type	Fees
Single-Trip Permit A mileage fee of \$0.10 per mile is added if overweight or if the vehicle configuration can't be licensed in Virginia Mobile homes and Manufactured housing will pay a flat fee of \$1 in lieu of the ten cents per mile fee.	\$12 each
Blanket Permit A mileage fee of \$40 per year is added if overweight or if the vehicle configuration can't be licensed in Virginia (mobile homes and manufactured homes included).	\$45 for 1 year; \$85 for 2 years
Superload A mileage fee of ten cents per mile is added if overweight or if the vehicle configuration can't be licensed in Virginia. A \$4 per structure/bridge research fee is added. Interstate only moves count as one structure/bridge.	\$12
Building movements handled by the Virginia Department of Transportation (fee payable whether permit is issued)	\$50
Mileage fee (for all vehicles operating under permit which exceeds statutory weight limitations and for vehicles which cannot be legally licensed)	\$0.10 per mile
Mobile homes that cannot be licensed due to overdimension (mobile homes that are less than 320 square ft will be charged \$0.10 per mile fee)	\$1.00 per trip

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Permit Type	Fees
Exempt Permits	Various. Contact the Hauling Permit Office for Fees. See Regulatory Agencies.

(c) Insurance Requirements

Intrastate or interstate haulers must have \$75,000/300,000 public liability and \$75,000 property damage. Cargo insurance in the following amounts is also required:

- Three tons or less, \$500; or
- Over three tons, \$1,000.

(d) Permitted Vehicle Limitations

Oversize

No motor vehicle exceeding a width of 102 inches may be operated on interstate and other National Network highways of this state without a special permit. A width of 96 inches may not be exceeded without a permit on other routes. The state furnishes a map that indicates the National Network routes. The maximum width limit allowed under permit is 14 feet.

Overwidth vehicles must use right-hand lane when passing through toll barriers. If this lane is closed, vehicle must park on the right shoulder in front of toll barrier and wait until the right lane is opened.

Special maximum width limits for movements under permit in selected geographical areas are as follows:

Area	Restrictions
*Hampton Roads Bridge Tunnel (I-64)	Overwidth loads not exceeding 10 ft 6 in. may travel within the vicinity of the Hampton Roads Bridge Tunnel on I-64 (between LaSalle Ave. in Hampton and Fourth View St. in Norfolk) on Tuesday, Wednesday, Thursday between 9:30 a.m. and 3:30 p.m. Vehicles exceeding 10 ft 6 in. must utilize the Monitor-Merrimac Memorial Bridge Tunnel on I-664.

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Area	Restrictions
Monitor-Merrimac Memorial Bridge Tunnel	<ul style="list-style-type: none">• Overwidth loads exceeding 10 ft 6 in. but not greater than 12 ft may travel the I-664 Monitor-Merrimac Memorial Bridge Tunnel one-half hour after sunrise until one-half hour prior to sunset Monday through Saturday. Travel is prohibited between 3 and 6 p.m. The driver is required to stop at the station and present the hauling permit.• Overwidth loads exceeding 12 ft but not greater than 14 ft may travel through the I-664 Monitor-Merrimac Bridge Tunnel from 9:30 a.m. and 3 p.m., Monday through Saturday. Call (757) 247-8048 or 247-2112 at least two hours prior to traveling through the tunnel. The driver is required to stop at the inspection station and present a hauling permit.• Should a driver arrive at any inspection station between the hours of 5 and 8:30 a.m. or 3:30 and 6 p.m. Monday through Friday, the driver will be required to wait for the required escort until after the peak rush hour times listed above.

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Area	Restrictions
Elizabeth River Tunnels:	
Downtown	9 ft
Midtown	10 ft 4 in.
Chesapeake Bay Bridge-Tunnel	14 ft (travel must be cleared with tolls and Security Division Office 24 hours prior to movement)
Big Walker and East River Mountain Tunnels (I-77, Bland Cty.)	14 ft
James River Bridge (Rt. 17)	14 ft
Powhite Parkway (Rt. 76, Richmond Metro Auth. Expressway.)	12 ft
Downtown Richmond Expressway (Rt. 195)	12 ft
Dulles Toll Road (Rt. 267)	9 ft wide, 13 ft 9 in. high
Greys Point (Rt. 3, Robert D. Norris Bridge)	10 ft wide, 14 ft high

*Loads exceeding 10 ft 6 in. to 14 ft in width allowed Tuesday through Thursday only, between 9:30 a.m. and 3:30 p.m.

No vehicle, with or without load, exceeding a height of 13 feet 6 inches may operate in Virginia without an oversize permit. The maximum height allowed under permit depends on the routes to be traveled and the height of the vertical clearances.

Special maximum height limits for movements under permit in selected geographical areas are as follows:

*Hampton Roads Bridge Tunnel (I-64)	13 ft 6 in. (Westbound)
	14 ft 3 in. (Eastbound)

Elizabeth River Tunnels:

Downtown	13 ft 6 in.
Midtown	13 ft 6 in.
Chesapeake Bay Bridge-Tunnel	13 ft 6 in.
Big Walker and East River Mountain Tunnels (I-77, Bland Cty.)	15 ft 4 in.
James River Bridge (Rt. 17)	15 ft 6 in.
Virginia Beach Norfolk Expressway. (Rt. 44)	16 ft 5 in.
Powhite Parkway (Rt. 76, Richmond Metro Auth. Expressway.)	14 ft
Downtown Richmond Expressway (Rt. 195)	14 ft

No motor vehicle exceeding a length of 40 feet may be operated on the highways of this state without a special permit. The actual length of any combination of vehicles coupled together, including load, must not exceed a total of 65 feet, without an oversize permit, on all non-designated state highways. No tolerance is allowed. No combination of vehicles or vehicle operated alone may carry any load extending more than three feet beyond the front. However, vehicles designed and used exclusively for the transportation of motor vehicles may have an additional load overhang not to exceed five feet.

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The maximum length for movements under an overlength permit is 150 feet. In selected geographical areas named under "Width" and "Height" above, permittees may operate at the maximum length normally allowed under permit.

Overweight

The maximum gross weight for a seven-axle vehicle under permit is 115,000 pounds (must have 64 feet of axle spacing measured from the center of the steering axle to the center of the rear axle on the trailer). The maximum axle weights allowed under permit are as follows:

Single axle	24,000 lb
Tandem axle	44,000 lb
Triple-axle grouping	54,500 lb (9 ft of axle spacing)
Four-axle grouping	64,500 lb (14 ft of axle spacing)

In selected geographical areas named under "Width" and "Height" above, permitted loads may operate at the maximum weight normally allowed under permit.

(e) Sign Requirements

Signs must read WIDE LOAD, LONG LOAD, or OVERSIZE LOAD and must be attached at the front and the rear of the permitted vehicle. Lettering eight inches high must be in black on a yellow background, with a minimum 1 ½-inch brush stroke and a minimum one-inch border all around. Signs must be securely mounted at least 18 inches above the roadway surface, and kept lean, legible, and visible from straight ahead or behind and 45 degrees to either side. Once the movement is completed, signs must be removed.

A WIDE LOAD sign must be displayed whenever the overall width exceeds 102 inches.

(f) Flags and Lighting Requirements

Flags

Movements must display red or fluorescent orange flags, 18 inches square, at each of the four corners of any overwidth or overlength vehicle and/or load. Vehicles and loads that are overweight only or overheight only do not normally require flags.

Lights

For vehicles/loads that are more than 12 feet wide or 75 feet long, Virginia requires flashing amber lights on top of towing vehicle plus one amber light located on upper rear end of vehicle or load being hauled, towed, or self-propelled. Escort vehicles may not be used in lieu of this requirement.

(g) Escort/Flagperson Requirements

Escort vehicles must maintain adequate distance in front of or behind the unit (about 600 feet) to warn approaching motorists. Escort drivers and the driver of the permitted load must communicate by two-way radio. A WIDE LOAD or OVERSIZE LOAD sign must also be displayed on each escort and be visible to approaching traffic. A flashing amber light must also be placed on top of each escort.

Any load exceeding 14 feet high must have a front and rear escort thru tunnels and must travel down the centerline.

Use a front escort must be used when moving a vehicle/load that exceeds 12 feet in width across the following bridges:

- Route 360 bridge over the Rappahannock River at Tappahannock.

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- Route 17 bridge over the York River at Yorktown.
- Route 58 bridge over Buggs Island Lake at Clarksville.
- Route 33 bridge over Pamunkey River and Mattaponi River at West Point.
- Route 360 bridge over Dan River at South Boston.

A front escort is required on all two-lane and three-lane highways when vehicle/load exceeds 10 feet in width. Some permits may specify a rear escort; otherwise it is the permittee's responsibility to use rear escorts when conditions warrant, as when roadways do not provide adequate vision for motorists approaching from the rear.

The Department requires a front escort on all two-lane and three-lane highways when the vehicle/load exceeds 85 feet in length. Some permits may specify a rear escort; otherwise it is the permittee's responsibility to use rear escorts when conditions warrant, as when roadways do not provide adequate vision for motorists approaching from the rear.

Flagperson requirements

When necessary, flagpersons must be present to warn and direct approaching traffic. On highways too narrow for two-way travel at all points, the front escort and flagperson must advance to a point where two-way traffic can continue and stop traffic there. When the permitted vehicle reaches that location, it must halt and allow traffic to clear from both directions, with the flagperson directing traffic.

Each flagperson must wear a red or fluorescent colored jacket or vest and be equipped with a red or fluorescent orange flag and/or paddle reading STOP in white letters on a red background. Flagpersons must be at least 18 years old and capable of carrying out flagging responsibilities.

Flagpersons are not normally required for vehicles and loads that are overheight only.

(h) Escort Car/Company Requirements

Drivers who escort oversize loads exceeding a width of 12 feet must be certified by the state, regardless of where they live. They must have a valid Virginia driver's license or a valid license in the state or jurisdiction in which they're a resident and have passed the escort driver's certification test.

Escort drivers need not be certified if they are police officials, or if escorting military convoys or other federal or state government vehicles, or if the oversize load is 12 feet wide or less.

(i) Travel Restrictions

For vehicles/loads less than 14 feet in width, and up to 14 feet in height, 100 feet in length, or 115,000 pounds GVW, the Department permits travel from one-half hour after sunrise to one-half hour before sunset, Monday through Saturday. No travel on Sundays and holidays. The Department allows travel on secondary (routes numbered 600 and greater) and undivided highways only from 9:30 a.m. to 2:30 p.m. when schools are in session. When schools are not in session, then travel is allowed as described above.

The Department allows no travel on any highway when visibility is poor, normally when reduced to 500 feet or less. Travel may be permitted during light rain, but not when rain, snow, sleet, or ice make travel hazardous. Fog, flood, or wind may also make travel hazardous, in which case a permitted movement would not be allowed. Law enforcement officer's judgment will prevail without exception.

Permitted loads must travel the right-hand lane with the overhang extending onto the roadway shoulder except where roadside obstacles prohibit. Provided it is safe, permitted loads may pass slower vehicles except within any city or town corporate limits (and pass on an interstate highway within a city's limits).

Traffic must not be detained by any permitted move for more than 10 minutes.

Wide load moves must not travel in convoy, the load and its escorts (if required) must maintain a distance of no less than 2,000 feet.

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Drivers of permitted moves should take every opportunity to allow following traffic to pass. Should traffic build-up become heavy (six or more vehicles), the driver must pull off the highway, where appropriate, and allow traffic to pass.

Drivers are required to stop at an inspection station and present the hauling permit. Routes as shown on the permit are to be used with no exceptions.

Normal times of travel for permitted loads is 30 minutes after sunrise to 30 minutes before sunset, Monday through Saturday. No permitted travel is allowed within the corporate limits of cities/towns between the hours of 7 to 9 a.m. and 4 to 6 p.m. except for configurations that are overweight or overheight only. No travel is allowed on Sundays or state observed holidays. The Hauling Permit Section shall have the authority to route vehicles outside the normal hours of travel or restrict times of travel during normal hours of travel if it is determined necessary giving primary consideration to the safety and well being of the traveling public.

Exceptions — days and times of travel

Overheight only — When height exceeds legal limits and all other dimensions and weights are legal, the Department will allow travel seven days per week during daylight hours only.

Overlength only — Upon request, the department will allow travel during darkness when overall length does not exceed 85 feet for 24 hours maximum, with no more than 10 feet rear overhang and the load must rest within the confines of the trailer bed.

Load Overhang — Front not to exceed three feet; rear not to exceed one-third of length of load, two-thirds of which must rest upon truck or trailer bed.

Overweight only — When weight exceeds legal limits and all other dimensions of the load are legal, the Department will allow travel 24 hours a day, seven days per week.

Holiday restrictions

Permitted vehicle configurations are allowed to travel on all holidays except the following state observed holidays:

New Year's Day	Thanksgiving Day
Labor Day	Independence Day
Memorial Day	Christmas Day

On the holidays mentioned above, permits will not be valid from noon the preceding weekday through the holiday. If the observed holiday falls on a Monday the permit will not be valid from noon on the preceding Friday through Monday.

Speed limits

Unless otherwise specified within the permit, the maximum speed limit for all permitted vehicles is the posted speed limit, not to exceed 55 miles per hour in areas where the posted speed limit exceeds 55 miles per hour.

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(j) Manufactured Housing Permits

Mobile home towing vehicles must have a minimum length of 10 feet, as measured from the front bumper to the center of the connecting hitch. All towing units must also have dual wheels on the drive axle. The size of the towing unit depends on the width of the mobile home, as follows:

10 ft wide	¾ ton truck
12 ft wide	1 ½ ton truck
14 ft wide	2 ton truck

Travel is allowed on all state highways (interstate, primary and secondary with divided lanes, also selected undivided primary and secondary routes), when engineering study indicates safe travel.

(k) Annual, Extended, And/Or Other Permits

Blanket Permit — Blanket permits are issued for 12 or 24 months as a convenience to the trucking industry, and unlimited trips can be made. Blanket permits are not issued for vehicles and/or loads exceeding the following dimensions: width 14 feet; height 14 feet; length 100 feet and gross weight 115,000 pounds.

Exempt Permits — The Department also issues permits under a category it calls “Exempt Permits.” The types of permits, with conditions, issued under this category follow.

- (1) **Coal Hauling Permit** — Authorizes the hauling of coal from a mine or other place of production to a preparation plant, loading dock, or railroad no more than 35 miles from the point of origin. The permit does not authorize operation on the federal Interstate Highway System or on any road or bridge posted for a weight less than the weight of the vehicle and load.

Under this permit, the following limits may not be exceeded:

Maximum gross weight	60,000 lb	(3-axle vehicle)
	70,000 lb	(4-axle vehicle)
	90,000 lb	(5-axle vehicle/combo)
Single axle	24,000 lb	
Tandem axle	45,000 lb	
Tri-axle	50,000 lb	

- (2) **Old Equipment Permits** — Registered prior to 1956 with the DMV or SCC, for the following limits:

Maximum gross weight	40,000 lb	(3-axle vehicle)
	50,000 lb	(4 or more axles)
Single axle	18,000 lb	
Tandem axle	36,000 lb	

Old Equipment Permits do not authorize travel on the federal Interstate Highway System or on any road or bridge posted for a weight less than the weight of the vehicle and load.

- (3) **Concrete Mixed-In-Transit Permit** — Restricts travel to within 25 miles of a batching plant. Limits are as follows:

Maximum gross weight	60,000 lb	(3-axle vehicle)
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Single axle	20,000 lb	
Tandem axle	40,000 lb	
Maximum gross weight	70,000 lb	(4-axle - 22 ft spacing)
Single axle	20,000 lb	
Tandem axle	40,000 lb	
Tridem axle	50,000 lb	

Concrete Mixed-In-Transit Permits do not authorize travel on the federal Interstate Highway System or on any road or bridge posted for a weight less than the weight of the vehicle and load.

- (4) **Farm Produce Hauling Permits** — Authorize travel only in Northampton and Accomack Counties. The following limits apply:

Maximum gross weight	80,000 lb	(5-axle vehicle)
Maximum gross weight	50,000 lb	(3-axle vehicle)
Single axle	20,000 lb	
Tandem axle	36,000 lb	

Effective July 1, 2013, the following limits apply:

Single axle	24,000 lb	
Tandem axle	40,000 lb	
Tri-axle	50,000 lb	
Maximum gross weight	90,000 lb	(5-axle combination)
Maximum gross weight	70,000 lb	(4-axle combination)
Maximum gross weight	60,000 lb	(3-axle combination)
Maximum gross weight	40,000 lb	(2-axle combination)

- (5) **Solid Waste Hauling Permit**

Tandem axle	40,000 lb gross
Tri-axle	60,000 lb gross

(I) Sealed Containerized Cargo Permits

Containerized cargo hauling permits are valid for movement of sealed containerized cargo bound to or from a seaport via marine shipment. Limits are as follows:

Maximum gross weight	115,000 lb	(7 axles, 64 ft of spacing)
Single axle	24,000 lb	
Tandem axle	44,000 lb	
Tri-axle	54,500 lb	(at least 9 ft of spacing in group)

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III. SUPER LOADS

(a) Single Trips

Super load single trip permits are issued for loads that exceed the maximum weight or size limitations allowed on a single trip permit.

A letter of variance is required on all movements that exceed the following:

- 18 feet in width;
- 250,000 pounds;
- 200 feet in length; or
- 16 feet in height.

The shipper or the manufacturer of the oversize/overweight item must submit the information listed below to the Virginia Department of Motor Vehicles:

- Name and description of the item being moved;
- Overall loaded dimensions for the vehicle configuration to include height, width, length, and gross weight;
- Explanation of why the load cannot be reduced;
- Explanation of why the load cannot be transported by air, rail, or water;
- Origin and destination specific to Virginia, including mileage and specific routes (e.g., Route 65 – one mile south of Route 2 in Campbell County);
- Preferred routes of travel; and
- Point of contact, someone within the company that can speak to the requested movement in case additional information is needed.

In addition to the letter of variance, all movers of movements that exceed 18 feet in width or 16 feet in height may be required to submit a detailed travel plan, depending on the time and routes of travel. The plan should include, but is not limited to, the following:

- How to facilitate the movement of emergency vehicles responding to emergencies. The plan will also identify locations where the overdimensional configuration will pull over to allow movement of traffic. Traffic shall not be detained for more than 10 minutes if at all possible. The plan will also address layover locations.
- Letters from property owners or public facilities giving permission to layover on their property until able to proceed in accordance with the permit. Each letter shall include the name, phone number and e-mail address of the primary point of contact.
- Letters from local law-enforcement personnel agreeing to escort the overdimensional configuration through their jurisdiction. Each letter shall include the name, phone number and email address of the primary point of contact.
- Letters from affected utility, cable and telephone companies, agreeing to accompany the overdimensional configuration to lift overhead wires. Each letter shall include the name, phone number and email address of the primary point of contact.
- Letters from the Department of Transportation agreeing to accompany the overdimensional configuration to lift overhead traffic signals, remove traffic signal arms, or remove guardrails, or remove signs, or remove and or adjust any inventory maintained by their department. Each letter shall include the name, phone number and email address of the primary point of contact.

The hauling permit staff will contact the various point of contact to confirm their role(s) in the super load move prior to DMV issuing the hauling permit.

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Allow at least 10 working days for processing.

(b) Blanket Permits

When the vehicle configuration exceeds the parameters allowed for the general blanket permit, the applicant may apply for a super load blanket permit. These permits may be issued on a case-by-case basis.

The super load blanket permit allows frequent movements within a specified time period statewide or on specific routes. All requests for the super load blanket permit must be submitted to the Hauling Permit Section at least 10 workdays in advance of the anticipated movement date. These permits are vehicle specific and can not be transferred between vehicle configurations. Super load blanket permits are issued only after the appropriate reviews or VDOT engineering analysis have been completed to ensure that the vehicle configuration will not harm or damage bridges, structures, or other state inventory on the routes of travel. Results of the reviews or engineering analysis may render the vehicle configuration ineligible to move under the authority of a super load blanket permit.

IV. AGENCY REFERENCES

(a) Size and Weights

Regulatory agency/Permit agency

Virginia Department of Motor Vehicles, Motor Carrier Service Operations, Hauling Permit Section
(804) 497-7135 (General Information)
(804) 786-2787 (to order permits)
https://www.dmv.virginia.gov/apps/vahps/vahps_home.aspx

For STAA permits:

Department of Transportation, Traffic Engineering Division
(804) 786-2967
(866) 878-2582 (Overload Permits)
www.virginiadot.org/business/trafficeng-default.asp

Super loads

Virginia Department of Motor Vehicles, Motor Carrier Services, Hauling Permit Section
(804) 786-2787, Hours: 8 a.m. - 12:30 p.m.; 1:30 - 4 p.m. (Eastern Time)
www.dmv.state.va.us/

Bridge/Tunnel offices:

Chesapeake Bay Bridge & Tunnel District, North Toll Plaza
(757) 331-2960
www.cbbt.com/

Elizabeth River Tunnels, Berkley Plaza
(757) 464-3511/12

Hampton Roads Bridge Tunnel & District James River Bridge, Toll Facilities Director
(757) 727-4832
www.virginiadot.org/travel/hro-tunnel-default.asp

Enforcement agency

Virginia State Police
(804) 674-2000
www.vsp.state.va.us/

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Washington must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	All Highways
Width:	8 ft 6 in
Height:	14 ft
Length:	
Straight Trucks	40 ft
Truck-trailer	75 ft
Truck and trailer (with or without load)	75 ft
Tractor-semitrailer combinations	No limit with legal trailer limit
Tractor-twin-trailer combination	No limit with legal trailer limit
Semitrailer	53 ft (up to 56 ft with permit). Trailer or load, whichever is greater
Trailers of twin-trailer combinations	61 ft* (up to 68 ft with permit). Trailer or load, whichever is greater
Standard auto/boat-transporter combo**	65 ft (plus 3-ft front, 4-ft rear overhang)
Stinger-steered**	75 ft (plus 3-ft front, 4-ft rear overhang allowed only on auto/boat transporters)
Drawbar length	15 ft
Special limitations or restrictions	*As measured from front of 1 st trailing unit or load to rear of 2 nd trailing unit or load **Tractors must be designed to carry automobiles or boats to be classified as an auto/boat transporter.
Weight:*	
Single axle	20,000 lb
Tandem axle	34,000 lb
Tridem axle	42,000 lb — Determined by spacings
Steering axle	Determined by tire size
Load per inch width of tire on single tires	500 lb/in. on vehicles with axles equipped with single tires 600 lb/in. on steering axle
Gross wheel weight	N/S
Gross vehicle weight	105,500 lb (max. determined by number of axles, spacings, and tire size)
Tolerances	N/S

*Any vehicle equipped with idle reduction technology, designed to promote reduced fuel usage and emissions from engine idling, may have up to 550 pounds

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in total gross, axle, tandem, or bridge formula weight exempt from the weight measurement. To be eligible for the weight exemption, the vehicle operator must be able to prove:

- By written certification the weight of the idle reduction technology, and
 - By demonstration or certification that the idle reduction technology is fully functional at all times.
- The weight exemption cannot exceed 550 pounds, or the certified weight of the unit, whichever is less.

Seasonal Weight Restrictions

Washington's seasonal weight restrictions can be found at <http://www.wsdot.wa.gov/commercialvehicle/restrictions/>.

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Operators of vehicles that exceed legal size or weight limits, with or without load, must obtain a special permit from the State Department of Transportation, Commercial Vehicle Services, before making any movement on Washington highways. To qualify for a permit the hauler must show that the load cannot reasonably be dismantled or disassembled. If the load can be reduced, even if that would require the use of additional vehicles, then the Department will not issue a special permit.

Only the owner of the hauling vehicle or the person operating it under lease may be issued a special permit.

A single trip oversize and/or overweight permit is route specific.

Permits are available from the Washington DOT. Washington has also developed a system of self-issuing and paying for permits online; visit <http://www.wsdot.wa.gov/commercialvehicle>.

The Department offers several types of special permits:

- Log tolerance permits;
- Manufactured housing permits;
- Sealed container permits;
- Fixed load single unit overweight permits;
- Non-divisible legal weight permits; and
- Divisible load overweight permits.

Oversize and overweight vehicles used in responding to an emergency also require special permits, but they may not be required to comply with certain travel time restrictions.

One-time permit transfers (from one power unit to another) are allowed.

Western Association of State Highway and Transportation Officials (WASHTO) Permits

Eleven western states: Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Oklahoma, Oregon, Texas, Utah, and Washington have joined together allowing carriers needing oversize/overweight permits for operation on the highways of the Regional Network. Although Louisiana is not a member of WASHTO, the state participates in the program. Each member jurisdiction may issue regional permits and collect fees allowing operations in the other members' jurisdictions. Certain requirements have to be met when applying for each permit.

Permits are issued only for an "envelope" vehicle of the following non--reducible maximum dimensions:

Length:	110 ft overall
Height:	14 ft
Width:	14 ft

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Weight:	160,000 lb gross weight 21,500 lb single axle 43,000 lb tandem axle 53,000 lb per tridem (wheelbase more than 8 ft and less than 13 ft)
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The single trip permit will be valid for a period of five working days, for use by the permitted vehicle only (tractor and trailer).

More information is available from the member jurisdictions listed below.

Arizona	(623) 932-2257
Colorado	(303) 757-9539
Idaho	(208) 334-8000
Louisiana	(225) 377-7100
Montana	(406) 444-7262
Nevada	(775) 888-7410
New Mexico	(505) 476-2475
Oklahoma	(877) 425-2390
Oregon	(503) 373-0000
Texas	(512) 305-9501
Utah	(801) 965-4892
Washington	(360) 704-6340

(b) Fees

Weight Pounds	Cost Per Mile	Other	
0-9999 lb	\$0.07	Monthly (30 days) overwidth and/or overheight	\$20.00
10000-14999 lb	\$0.14	Monthly (30 days) overwidth, height, and length	\$30.00
15000-19999 lb	\$0.21	Annual overwidth, height, and length	\$360.00
20000-24999 lb	\$0.28	Annual (14x85 Manufactured Housing only)	\$150.00
25000-29999 lb	\$0.35	Transfer Original permit must be returned)	\$14.00
30000-34999 lb	\$0.49	Lost or Replaced (Proof of purchase required)	\$14.00
35000-39999 lb	\$0.63	Trip Permit (DOL)	\$25.00
40000-44999 lb	\$0.79	Fuel Permit (DOL)	\$30.00
45000-49999 lb	\$0.93		
50000-54999 lb	\$1.14	Collection Trucks	
55000-59999 lb	\$1.35	Annual Over Axle for 2-axle up to 6,000 lb	*\$42.00

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Weight Pounds	Cost Per Mile	Other
60000-64999 lb	\$1.56	Annual Over Axle for 3-Axle up to 8,000 lb *\$42.00
65000-69999 lb	\$1.77	*per thousand pounds (annual permit only).
70000-74999 lb	\$2.12	
75000-79999 lb	\$2.47	Fixed Loads
80000-84999 lb	\$2.82	Monthly (30 days) 3-Axle 65,000 lb maximum *\$70.00
85000-89999 lb	\$3.17	Monthly (30 days) 4-Axle 86,000 lb maximum *\$90.00
90000-94999 lb	\$3.52	**may include dimensions Temporary Additional Tonnage
95000-99999 lb	\$3.87	Temporary Additional Tonnage \$*2.80
100,000 or more	\$4.25	* per day per 2,000 lb (min. 5 days, Max. 10 days).

Minimum fee for Overweight Permit \$14.00

*The fee for weights in excess of 100,000 pounds is \$4.25 plus \$0.50 for each 5,000 pound increment or portion thereof exceeding 100,000 pounds.

Overwidth Fees

Single Trip	\$10.00
Monthly (30 days) up to 14 ft wide	\$20.00
Annual up to 14 ft wide	\$240.00

*Manufactured Housing 14 ft 12 in (12 in. is eave)

Overheight

Single trip	\$10.00
Monthly (30 days) up to 15 ft high	\$20.00
Annual up to 15 ft high	\$240.00

Overlength

Single Trip	\$10.00
Monthly (30 days)	\$10.00
Monthly (over 15 ft ROH, or 3 ft FOH)	\$10.00
Annual	\$120.00
Annual (Single Trailer up to 56 ft)	\$100.00
Annual (Double Trailer to 68 ft)	\$100.00
Annual (Nondivisible Load up to 61 ft)	\$120.00

Farm Implements (for farmers in the course of farming)

Single Trip	\$10.00
Three-Month Period	\$10.00
Annual	\$25.00

Farm Implements (for sale, repair, or maintenance)

Three month	\$25.00
Annual	\$100.00

Log Tolerance

Annual (April 1-March 31)	\$50.00
Purchased after July 1	\$37.50
Purchased after October 1	\$25.00
Purchased after January 1	\$12.50

Permits may be charged using Visa® or MasterCard® at all WSDOT offices.

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(c) Insurance Requirements

The person responsible for the permitted movement is liable for any damage to highways or structures caused by his or his employee's negligence or illegal operation of the vehicle. In addition, mobile home permittees must carry evidence of insurance of at least \$100,000/\$300,000 public liability and \$50,000 property damage.

(d) Permitted Vehicle Limitations

Movement Condition	Permitted Vehicle Limitations
Overwidth	<p>Movements on two-lane highways are generally limited to 14 feet wide or less. Permits may be issued for movement on a two-lane highway if the vehicle or load width does not exceed 16 feet and the weight does not exceed 80,000 pounds. On multiple-lane highways, the limit is 20 feet wide or less. Any width exceeding 16 feet must be requested in writing and analyzed prior to approval.</p> <p>The Department may allow movement of extra-wide loads if applicants can provide adequate justification.</p>
Overheight	<p>Regulations do not state a specific maximum height limit for which a permit will be issued. Overhead structures like bridges and underpasses govern whether a specific overheight move can be made.</p> <p>WSDOT publishes a book entitled "Bridge List," available to view or print at http://www.wsdot.wa.gov/commercialvehicle.</p>
Overlength	<p>Any single-unit vehicle over 40 feet requires a special permit. For truck and trailer combinations, if both a truck and trailer are carrying loads then the combined overall length of the combination when carrying a nondivisible overlength load must not exceed 85 feet. Any nondivisible overlength load is restricted to only one vehicle. The trailer may be loaded with the overhang entirely to the rear of the trailer, or the truck may be loaded with the overhang entirely to the front of the truck. Both truck and trailer may carry overwidth and overheight loads. The truck and/or trailer in this configuration may not carry an overweight nondivisible load.</p> <p>An unladen truck may be treated as a truck-tractor and the combination addressed as described above if the truck-tractor is not carrying any load of any kind, and that its use as an unladen truck is specified on the special permit. An unladen truck with unladen trailer must not exceed an overall length of 85 feet.</p> <p>Log trucks with pole trailers carrying nondivisible poles, where the log truck is supporting a proportionate share of the load, will be permitted for overlength based on load length, similar to a truck tractor semi-trailer configuration. No portion of the pole trailer may extend beyond the load in an overlength configuration.</p> <p>A single trailer may not exceed 53 feet (with permit, 56 feet). Two trailers may not exceed 61 feet (68 feet with permit). The overall length of these combinations is not regulated.</p> <p>A single trailing unit hauling reducible loads operating under permit up to 56 feet may not have an overhang extending beyond 56 feet. Double trailing units hauling reducible loads operating under permit may not have an overhang extending beyond 68 feet.</p>

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Movement Condition	Permitted Vehicle Limitations
Overweight	<p>An object that cannot be reasonably reduced may be allowed even if the load exceeds the limits shown in the weight table above. Those conditions are:</p> <ul style="list-style-type: none"> • The weight on a single axle may not exceed 22,000 pounds; on a tandem, 43,000 pounds. • The weight allowed on any series of axles can be computed by the following: <ul style="list-style-type: none"> ○ If the distance between the first and last axles in the group is less than 10 feet, the weight allowed is "Feet x 6,500;" ○ If the distance between the first and last axles in the group is 10 feet to 30 feet, the weight allowed is "Feet plus 20 x 2,200;" and ○ If the distance between the first and last axles in the group is over 30 feet, the weight allowed is "Feet plus 40 x 1,600." <p>The lesser of any of these computations governs the capacity of any series of axles.</p> <ul style="list-style-type: none"> • The single axle weight limits may be exceeded if the equipment being moved has single pneumatic tires with rim widths of 20 inches or more and rim diameters of 24 inches or more, or dual pneumatic tires with rim widths of 16 inches or more and rim diameters of 24 inches or more. Specially designed vehicles manufactured and certified for special permits prior to July 1, 1975, may also be allowed. Tire weights not to exceed 600 pounds per inch of tread width. • Overweight non-reducible loads must be transported under single-trip permits. The Department will approve a permit when the loading on a specific vehicle is approved for a specific route. If a vehicle is not certified, the Bridge Division may require a review of its loading on a trip-by-trip basis prior to approval.

The following limitations are placed on movements under log tolerance permits:

- The combination is a three-axle truck-tractor and two-axle pole trailer hauling unprocessed logs;
- The entire gross weight may not exceed 68,000 pounds by more than 6,800 pounds, i.e., 74,800 pounds total;
- Gross weight on tandems may not exceed 32,000 pounds by more than 1,600 pounds, i.e., 33,600 pounds total; and
- The distance between the first and fifth axle must be at least 37 feet.

(e) Sign Requirements

Signs must read OVERSIZE LOAD and be at least seven feet wide and 18 inches high with black lettering at least 10 inches high, and, with a 1.41-inch brush stroke on a yellow background. They must be mounted at least five feet above the road surface or as high as practicable, and must be displayed only during transit and removed or retracted at all other times.

The OVERSIZE LOAD sign must be mounted:

- On the front of the towing vehicle, and
- On the rear of the vehicle or towed vehicle in combination.

The following classes of overlength vehicles are exempt from the required OVERSIZE LOAD signs:

- Single trailer not exceeding 56 feet, including load;
- Double trailers not exceeding 68 feet, including load;
- Non-reducible loads, including the trailer on which it is carried, not exceeding 61 feet;

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- Vehicles with a front overhang not more than four feet beyond the three-foot legal front overhang and/or a rear overhang not exceeding 15 feet; and
- A single unit fixed load vehicle not exceeding an overall length of 45 feet including the allowable overhangs, as described above.

A vehicle or combination of vehicles operating on a special permit for overweight only is also exempt from the OVERSIZE LOAD sign requirement. The exemption applies only if the vehicle can maintain posted speed limits. This exemption may be used in conjunction with the height and width exemption.

(f) Flags and Lighting Requirements

Flags

Flags must be bright red and at least 18 inches square. They must wave freely from all four corners of overwidth objects and at the extreme ends of all protrusions, projections, and overhangs. If the distance between the towed vehicle and the towing vehicle exceeds 15 feet, a white flag or cloth at least 12 inches square must be fastened at the approximate middle of the span.

Lights

A combination with an overhang of more than four feet beyond the last trailer must be equipped, when operating during darkness, with red tail, stop, clearance, and identification lights positioned at the rear of the load. Whenever visibility is less than 1,000 feet during daylight, these same lighting requirements must be satisfied.

(g) Escort/Flagperson Requirements

Pilots/escorts are required to accompany an extra-legal load as follows:

Load Condition	Escort Requirements
Vehicle(s) or loads over 11 ft wide	Two pilot/escort vehicles are required on two-lane roads, one in front and one in back
Vehicle(s) or loads over 14 ft wide	One escort vehicle is required at the rear of the movement on multilane highways
Vehicle(s) or loads over 20 ft wide	Two pilot/escort vehicles are required on multilane undivided highways, one in front and one in back
The trailer length, including load, of a tractor/trailer combination exceeds 105 ft, or the overhang of a load measured from the center of the rear axle exceeds one-third of the trailer length plus load of a tractor/trailer or truck/trailer combination	One pilot/escort vehicle is required at the rear of the movement on two-lane highways*
The trailer length, including load, of a tractor/trailer combination exceeds 125 ft	One pilot/escort vehicle is required at the front on all two-lane highways*
The rear overhang of a load measured from the center of the front steer axle exceeds 20 ft	One pilot/escort vehicle is required at the rear of the movement on two-lane highways

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Load Condition	Escort Requirements
The height of the vehicle(s) or load exceeds 14 ft 6 in	One pilot/escort vehicle with height measuring device (pole) is required at the front of the movement on all state highways and roads
The operator, using rearview mirrors, cannot see 200 ft to the rear of the vehicle or combination	Pilot/escorts are required

*A special permit may authorize a riding flagperson, in lieu of a pilot/escort vehicle, to provide adequate traffic control for the configuration.

Additional pilot/escorts may be required if the Department of Transportation believes it is necessary to protect the traveling public.

(h) Escort Car/Company Requirements

Escort vehicles must be in safe and reliable operating condition and must be either a single unit passenger car, including a passenger van, or a two-axle truck. The escort vehicle cannot exceed a maximum gross vehicle weight rating of 14,000 pounds and must not carry passengers. In addition, the escort vehicle cannot exceed the legal size and weight limits, and must have a body width of at least 60 inches but no more than 102 inches. The vehicle must be equipped with outside rear-view mirrors, located on each side of the vehicle.

The following specialized equipment must be carried in the escort vehicle(s):

- Standard 18-inch STOP AND SLOW paddle sign;
- Three bi-directional emergency reflective triangles;
- Minimum of one five-pound B,C fire extinguisher, or equivalent;
- High visibility safety garment designed under ANSI standards, fluorescent yellow-green, fluorescent orange-red, or fluorescent red in color, to be worn when performing pilot/escort duties outside of the vehicle;
- Height-measuring device (pole) that is nonconductive and nondestructive to overhead clearances, when required by the special permit;
- First-aid supplies; and
- Flashlight in good working order with red nose cone (extra batteries should also be on hand).

The pilot/escort vehicle must also have a two-way radio communication system capable of providing reliable two-way voice communications at all times between the operators of the pilot/escort vehicle(s) and the extra-legal vehicle(s).

Escort certification

Operators of pilot/escort vehicles must be certified as having received Department-approved base level training as a pilot/escort vehicle operator. A pilot/escort vehicle operator with a Washington state driver's license must have a valid Washington state pilot/escort vehicle operator certificate/card which must be on the operator's person while performing escort vehicle operator duties.

Escort vehicle operators with a driver's license from a jurisdiction other than Washington state may acquire a Washington state escort vehicle operator certificate/card, or operate with a certification from another jurisdiction approved by the Department, subject to the periodic review of the issuing jurisdiction's certification program. A current list of approved programs will be maintained by the department's commercial vehicle services office.

Washington state pilot/escort vehicle operator cards must be renewed every three years.

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Escort car signs, flags, and lights

Escort vehicles must be equipped with a minimum of two flashing or rotating amber (yellow) lights, positioned above the roof line, visible from a minimum of 500 feet to approaching traffic from the front or rear of the vehicle. Light bars with appropriately colored lights meeting the visibility minimums are acceptable. Lights must only be activated while escorting an extra-legal vehicle or when used as traffic warning devices while stopped at the side of the road taking height measurements during the prerunning of a planned route.

The pilot/escort vehicle must be equipped with a sign reading OVERSIZE LOAD measuring at least five feet wide by 10 inches high with black lettering at least eight inches high in a one-inch brush stroke on yellow background.

The sign must be mounted over the roof of the vehicle and must be displayed only while performing as the pilot/escort of an extra-legal load. When the vehicle is not performing as a pilot/escort, the sign must be removed, retracted, or otherwise covered.

(i) Travel Restrictions

Oversize and overweight movements may be made during daylight hours from one-half hour before sunrise to one-half hour after sunset as limited by the following schedule and commuter traffic restrictions.

No movements may be made when visibility is reduced to less than 500 feet or when hazardous roadway conditions exist.

During winter, restrictions may be in effect on some types of movement. If any signs are displayed indicating that traction devices or chains are advised, recommended or required, all movement under special permit is prohibited.

The following specific travel restrictions apply:

Load Condition	Travel Restrictions/Allowances
Vehicles or combinations operating under special motor vehicle permits that are overweight and/or overdimensional, not exceeding 12 ft wide or 105 ft long, or over 14 ft 6 in. in height	Such vehicles may be permitted to move at night (one-half hour after sunset to one-half hour before sunrise) on state highways during normal atmospheric conditions. Oversize loads that are allowed to move at night must have lighting equipment as required by the 49 CFR § 393.11.
Vehicles operating under an overweight permit, where the vehicle cannot maintain the speed of the surrounding traffic flow, and vehicles operating under a permit authorizing an overdimensional feature	Such vehicles prohibited from movement on Monday through Friday from 6 to 9 a.m. and 3 to 7 p.m. Permit movements are allowed all day Saturday and Sunday in specific metropolitan areas (Seattle, Tacoma, Vancouver, Olympia, and Kelso). Overdimensional movements, and overweight vehicles that cannot maintain the speed of the surrounding traffic flow, are prohibited on the holidays listed below.
Loads with an overhang longer than 15 feet, as measured from the last axle	Such loads may be transported only during daylight hours.

Movement by permit is prohibited in areas where any of the following signs are displayed: “traction tires advised,” “approved traction tires recommended,” “approved traction tires required,” or “tire chains required”, except under WAC-468-38-075.

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Commuter Curfew Hours: (Monday through Friday only)

Vehicles operating under a special motor vehicle permit are restricted from the following areas:

Vicinity	SR	Direction	Mile Post	Location and Boundaries	Hours (M-F)	Width
Seattle - Everett	2	EB	(MP) 0 - 2.42	I-5 to SR 204	3-7 PM	9'
		WB	(MP) 2.42 - 0		6-9 AM	9'
	5	NB	(MP) 127.48 - 155.94	SR 512 to SR 599	6-9 AM, 3-6 PM	10'
		SB	(MP) 155.94 - 127.48		3-6 PM	10'
		NB	(MP) 155.94 - 174.58	SR 599 to SR 523	6-9 AM, 3-6 PM	9'
		SB	(MP) 174.58 - 155.94		6-9 AM, 3-6 PM	9'
		NB	(MP) 174.58 - 199.11	SR 523 to SR 528	3-6 PM	10'
		SB	(MP) 199.11 - 174.58		6-9 AM, 3-6 PM	10'
		NB	(MP) 199.11 - 206.08	SR 528 to SR 531	4-6 PM	10'
		SB	(MP) 206.08 - 199.11		7-9 AM, 4-6 PM	10'
	18	EB	(MP) .01 - 4.15	I-5 to SR 164	6-9 AM, 3-7 PM	10'
		WB	(MP) 4.15 - .01		6-9 AM, 3-7 PM	10'
		EB	(MP) 4.15 - 11.38	SR 164 to SR 516	6:30-8:30 AM, 3-7 PM	10'
		WB	(MP) 11.38 - 4.15		6-9 AM, 3-7 PM	10'
	90	EB	(MP) 2.54 - 9.93	I-5 to I-405	6-9 AM, 3-7 PM	10'
		WB	(MP) 9.93 - 2.54		6-9 AM, 3-7 PM	10'
		EB	(MP) 9.93 - 18.36	I-405 to Sunset I/C	3-7 PM	10'
		WB	(MP) 18.36 - 9.93		6-9 AM, 3-7 PM	10'
	167	NB	(MP) 5.98 - 14.33	SR 512 to SR 18	6-9 AM	10'
		SB	(MP) 14.33 - 5.98		3-7 PM	10'
NB		(MP) 14.33 - 26.29	SR 18 to I-405	6-9 AM, 3-7 PM	10'	
SB		(MP) 26.29 - 14.33		3-7 PM	10'	
405	NB	(MP) 0 - 30.32	Entire Route	6-9 AM, 3-7 PM	10'	
	SB	(MP) 30.32 - 0		6-9 AM, 3-7 PM	10'	
518	EB	(MP) 0 - 3.81	SR 509 to I-5	6-9 AM, 3-7 PM	10'	
	WB	(MP) 3.81 - 0		6-9 AM, 3-7 PM	10'	
522	EB	(MP) 11.10 - 14.09	I-405 to SR 9	3-7 PM	10'	
	WB	(MP) 14.09 - 11.10		6-9 AM	10'	
Tacoma	5	NB	(MP) 118 - 127.48	Exit 118 to SR 512	6:30-8:30 AM, 4-6 PM	10'
		SB	(MP) 127.48 - 118		6:30-8:30 AM, 4-6 PM	10'
	16	EB	(MP) 0 - 10.28	I-5 to Olympic Drive	6-9 AM	10'
		WB	(MP) 10.28 - 0		3-7 PM	10'
	512	EB	(MP) 0 - 8.74	I-5 to SR 161	3-7 PM	10'
		WB	(MP) 8.74 - 0		7-9 AM, 3-7 PM	10'
		EB	(MP) 8.74 - 12.06	SR 161 to SR 167	3-7 PM	10'
		WB	(MP) 12.06 - 8.74		3-7 PM	10'
Olympia	5	NB	(MP) 99 - 109	Exit 99 to Exit 109	4-6 PM	10'
		SB	(MP) 109 - 99		4-6 PM	10'
Vancouver	5	NB	(MP) 0 - 7.48	Oregon to I-205	3-6 PM	10'
		SB	(MP) 7.48 - 0		6-9 AM	10'
	205	NB	(MP) 26.59 - 30.90	Oregon to SR 500	4-6 PM	10'
Kelso	433	NB	(MP) .94 - 0	Lewis and Clark Bridge	6-9 AM, 3-7 PM	10'
		SB	(MP) 0 - .94		6-9 AM, 3-7 PM	10'

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Holiday restrictions

Oversize movements are prohibited on the following holidays and during the afternoon on the day preceding these holidays:

New Year's Day
Memorial Day
Independence Day

Labor Day
Thanksgiving Day and Day after Thanksgiving
Christmas Day

Should any of these holidays fall on a Saturday or Sunday, the preceding Friday or following Monday is considered to be the holiday.

Speed limits

If the permit states a specific speed as a condition of the permit, that speed takes precedence over posted limits unless the posted limit is lower. Overweight loads are not to travel on shoulders.

Exemptions

The following classes of overlength vehicles are exempt from holidays, commuter curfew, and nighttime travel restrictions, and restrictions for movement during winter road conditions when the "TRACTION ADVISORY/ OVERSIZED VEHICLES PROHIBITED" sign is displayed:

- Single trailer not exceeding 56 feet, including load.
- Double trailers not exceeding 68 feet, including load.
- Non-reducible loads, including the trailer on which it is carried, not exceeding 61 feet.
- Vehicles with a front overhang not more than four feet beyond the three-foot legal front overhang and/or a rear overhang not exceeding 15 feet.
- A single unit fixed load vehicle not exceeding an overall length of 45 feet including the allowable overhangs, as described above.

A vehicle or combination of vehicles operating on a special permit for overweight only is also exempt from the holiday, commuter curfew, and nighttime travel restriction, and restriction for movement during winter road conditions when the "TRACTION ADVISORY/OVERSIZED VEHICLES PROHIBITED" sign is displayed. The exemption applies only if the vehicle can maintain posted speed limits.

(j) Manufactured Housing Permits

The Department will issue annual, monthly, or single-trip oversize permits to owners, transporters, or dealers of manufactured homes.

Manufactured homes with a width greater than 102 inches or a height greater than 14 feet require a permit. Maximum allowed under permit is 16 feet of box width. The overall width shall not, under any circumstances, exceed 18 feet. When the box width exceeds 14 feet with 12 inches of eaves a route analysis must be done on a case-by-case basis. Maximum length of a manufactured home in the State of Washington is 75 feet including tongue.

Mobile homes moved under permit must display a sign five to seven feet above the road surface. On all mobile home movements, flashing amber lights must be mounted at least six inches in diameter on a horizontal plane at least 10 feet above roadway surface of the rear of the mobile home.

VEHICLE SIZES & WEIGHTS MANUAL

Fees are as follows:

Manufactured home permit (issued only to manufacturers or dealers as defined by statutes or to transporters licensed according to statute)	\$ 30.00/month
Single Trip (may also be issued to an individual owner)	10.00/month

(k) Annual, Extended, And/Or Other Permits

Divisible load overweight permits

Divisible load overweight permits may be issued to vehicles used for snow removal, sanding of highways during emergency winter conditions, etc.

Additional weight allowances are also authorized by special permit for a segment of US-97 from the Canadian border to milepost 331.22 designated as a Heavy Haul Industrial Corridor. The permits will authorize vehicles to haul divisible loads weighing up to the Canadian interprovincial weight limits and must comply with the following requirements:

- Vehicles subject to the Canadian Weight Special Permit must be licensed to their maximum legal weight limit in Washington;
- Displaying the US-97 Heavy Haul Industrial Corridor Permit does not waive registration fees, fuel taxes, or operating authority;
- Routes of travel are strictly limited to both directions of US-97 from the Canadian border at milepost 336.48 to milepost 331.22;
- A Washington state axle spacing report is required for Canadian weight verification; and
- The axle weights and gross vehicle weights comply with those listed in the Washington regulations (go to <http://apps.leg.wa.gov/WAC/default.aspx?cite=468-38-071> for the weight limits).

Divisible load doubles permit

The double trailers permit allows for divisible loads to be carried on a set of double trailers up to 68 feet. The permits are valid for 30-day periods up to one year.

Log tolerance permits

Carriers may haul unprocessed logs in excess of weight limits imposed on other loads. This means that shorter logs may be transported on combinations (three-axle truck-tractor and two-axle pole trailer) having a shorter wheelbase than otherwise allowed.

Divisible load permits during national emergencies or natural disasters

Additional weight allowances are authorized through a special permit for the transportation of divisible loads on state highways during national emergencies or major disasters. Emergency permits are available for loads that comply with the following conditions:

- The national emergency must be declared by the President of the United States;
- Permits are issued exclusively for vehicles and loads that are delivering relief supplies for any destination that is part of the geographical area covered by the emergency declaration;
- The entire permitted load must consist of emergency supplies; and
- The weight limits for an emergency permit are as follows:
 - Single axle weight not to exceed 21,500 pounds;
 - Tandem axle weight not to exceed 43,000 pounds;

VEHICLE SIZES & WEIGHTS MANUAL

- Tridem axle group weight not to exceed 53,000 pounds (tridem axle group is defined as three consecutive axles more than 8 feet apart but less than 13 feet apart measured from the center of the first axle of the group to the center of the last axle of the group); and
- Gross weight of 160,000 pounds.

When operating in the state, the vehicle must comply with all bridge and road weight restrictions.

When requested by law enforcement, documents must be displayed describing the permitted load and that it is destined for the declared emergency area.

Emergency permits will expire no later than 120 calendar days after the date of the emergency declaration.

Permits authorized by the emergency declaration will not be issued for loads originating in the declared emergency area except for activities that clear roadways, staging areas, or locations for temporary structures in specific areas in the disaster area.

(I) Sealed Containerized Cargo Permits

Washington will issue sealed containerized cargo permits for vehicles that do not exceed:

- 600 pounds per inch width of tires;
- 22,000 pounds single axle;
- 43,000 pounds tandem axles; and
- 105,000 pounds gross vehicle weight.

Weight for axle groups must comply with the maximum axle gross weight limits for permitted vehicles.

This permit allows for sealed shipping containers to travel on a portion of SR 509 in the Port of Tacoma (SR 509 between milepost .25 in the vicinity of East "D" Street and milepost 3.88 in the vicinity of Taylor Way).

III. SUPER LOADS

A super load is a vehicle or combination with a non-divisible load having a gross weight exceeding 200,000 pounds and/or a total width or height exceeding 16 feet.

An application for a special permit for a gross weight of any combination of vehicles exceeding 200,000 pounds shall be submitted in writing to the Washington Department of Transportation (WSDOT) at least 30 days in advance.

Loads exceeding 16 feet wide or 16 feet high shall be submitted seven days in advance of move.

The motor carrier or the shipper must provide the following information to the Motor Carrier Services Office (WAC 468-38-405 Super load Movement Criteria):

- Evidence describing the purpose of the movement and whether the move is necessary (and in the public interest)
- Written certification by military officials or officials of public or private power facilities that the movement is necessary must also be included when appropriate
- The item being transported must be clearly shown to be non-divisible. A sketch or photograph of the item with an explanation of why it cannot be shipped in parts must be provided
- A sketch of the transporting laden vehicle showing axle loadings, axle spacings, tire sizes, tires per axle, width, and height

If the load can be barged or shipped by rail for all or part of the route, the shipper must review those alternatives. If it is not reasonable for economic or operational considerations to ship it by water or rail, the shipper must present whatever data is needed to support that judgment.

The applicant must propose a route that he knows is adequate to accommodate the width and height of the laden vehicle, and appears adequate to support the weight of the vehicle and load.

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If the route includes the use of county roads or city streets, the applicant must show that permits from each of those jurisdictions will be issued. The written request will describe at what point county roads or city streets will be utilized, the name or number of the road or street, and the county or city official who has approved the proposed move using its roads or streets.

A traffic control plan depicting the route and specific procedures that will be followed to control traffic flow along the route, including estimated traffic delays, lane restriction, use of escort vehicles and flag persons, movement of overhead obstacles, railroad schedules for crossings, must also be provided.

Physical examination of all railroad crossings by the carrier or his designee is critical. A lack of sufficient ground clearance can be fatal.

IV. AGENCY REFERENCES

(a) Sizes and Weights

Regulatory agency/Permit agency

Commercial Vehicle Services, Department of Transportation
(360) 704-6340
www.wsdot.wa.gov/commercialvehicle/

Super loads

Washington State Department of Transportation
(360) 704-6340
www.wsdot.wa.gov/commercialvehicle

Offices located throughout the state

Transportation Secretary
(360) 705-7054
www.wsdot.wa.gov/Secretary/

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of West Virginia must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Width:	102 in	96 in (lanes under 10 ft wide)
Height:	13 ft 6 in	13 ft 6 in
Length:		
Straight Trucks	40 ft	40 ft
Truck-trailer	No limit	70 ft
Tractor-semitrailer combinations	No limit	70 ft
Tractor-twin-trailer combination	No limit (28-ft units)	Not allowed (double saddlemounts allowed)
Semitrailer	53 ft*	48 ft (on lanes under 10 ft wide)
Trailers of twin-trailer combinations	28 ft	Not allowed
Auto-transporter combination	No limit	70 ft on U.S. and WV Routes; 55 ft on County Routes
Stinger-steered	No limit	
Drawbar length	15 ft	15 ft
Special limitations or restrictions	Subject to length limits above, a load shall not extend more than 3 ft beyond the front of the vehicle or 6 ft beyond the rear. *53-ft trailers permitted if distance between last axle of tractor and first axle of semitrailer does not exceed 37 ft.	
	On Interstate System Highways Only	On All Other State Highways
Weight:*		
Single axle	20,000 lb	20,000 lb
Tandem axle	34,000 lb	34,000 lb
Tridem axle	42,500 lb (8-ft spacings)	42,500 lb
Steering axle	20,000 lb	N/S
Load per inch width of tire	N/S	N/S
-or-		
Gross wheel weight	None	None

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	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Gross vehicle weight	80,000 lb	80,000 lb (State and U.S. routes) 65,000 lb (county routes)
Tolerances	None	10 %
Grandfathered axle and/or gross weights	Lawful, provided that such vehicles' dimensions do not exceed those stated above for interstate and designated highways.	
Special limitations or restrictions	Federal Bridge Formula must be applied	

*Gross weight and axle weight may be increased by up to 400 lb to compensate for the weight of idle reduction technology (not in addition to tolerances allowed).

Access — Truck combinations operating at the larger dimensions on interstate and designated highways are granted 2-mile access to terminals and facilities for food, fuel, repairs, and rest, and points of loading and unloading for household goods carriers.

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

The Commissioner of the Division of Highways has the authority to issue special hauling permits. Upon proper application and the showing of good cause, he may, at his discretion, issue permission to operate or move a vehicle or combination of vehicles of a size, weight or load exceeding statutory maximums. The proposed route or the point of crossing of the highway is also requested in the permit application.

No permit is required if a pole, pipe or structural member is 80 feet or less and is being hauled on a stretch, pole, or extendable trailer. However, width, height, and weight must be legal. Be aware, though, that there may be travel restrictions (such as daylight travel only) and/or marking requirements (such as flags or lights) to comply with. Check with the state for specific requirements.

Divisible load permits are not available.

As a general rule a special permit for excess size and weight will not be issued to a vehicle which is not registered and licensed as required by the laws of the State of West Virginia. Vehicles not required to be registered and licensed must also obtain a special permit for all operations in which the legal limitations for size and weight will be exceeded.

Permits may be issued for single trip or continuous (blanket) operations.

Single trip permits are valid for five days. Continuous permits will be valid for the length of time specified on the permit.

The Central Permit office, after approval by the Structures Division of the Department of Highways, may issue a special single trip permit for the movement of exceptionally heavy equipment such as transformers or compressor station machinery which cannot be disassembled. The permit may be issued only if the following requirements are fulfilled:

- Bridges must be reinforced at applicant's expense and in accordance with instructions of the District Engineer;
- A professional charge in order to determine the feasibility of any movement of extremely heavy equipment may be levied before analysis is undertaken; and
- A bond may be required, in an amount prescribed by the District Engineer, to cover the cost of repairing all possible damage to bridges and/or roads.

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A special permit for excess size and weight must be obtained by a contractor who moves equipment and materials to a West Virginia Department of Highways project or from one project to another. Commercial haulers transporting materials to projects under contract for the West Virginia Department of Highways, a political subdivision of the state, or the Federal Government must also obtain special permits for excess size and weight.

Once a permit has been issued, it must be carried in the vehicle or combination to which it refers at all times during the move.

Permits are available online by visiting http://www.transportation.wv.gov/highways/maintenance/hauling_permits/Pages/default.aspx.

Southeast Association of State Highway and Transportation Officials (SASHTO) Regional permits

Effective September 1, 1994, nine southeastern states joined together allowing carriers — who need an oversize permit for operation on the highways in any of the nine states — to obtain a single permit to cover all nine states, rather than apply for separate permits in each state. Since that time additional states have joined, bringing the total to sixteen. The member states are Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, Missouri, North Carolina, Ohio, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia. There are, however, certain requirements to be met when applying for such permit.

The permit will only be issued for an “envelope” vehicle, transporting a non-divisible load, and whose dimensions cannot exceed the following:

Length:	100 ft overall
Height:	14 ft
Width:	14 ft
Weight:	120,000 lb GVW 20,000 lb Single Axle 40,000 lb Tandem Axle 60,000 lb 3 or more Axles

The permit is only available through a participating wire service (not the state agency); is only valid for a single trip (no return trip); and is valid for no more than 10 days, or less than five days. Carrier will be informed of applicable restrictions when the permit is issued.

(b) Fees

Single Trip or Super Loads	\$20
Fee for Overweight Vehicles	\$0.04 per ton/mile
Blanket Permit (basic fees)	\$200 oversize, \$500 oversize and overweight
Blanket Permit for Seagoing Container-ized Cargo	\$150 for the first 15 permits; \$15 each additional permit
Mobile Home Blanket (up to 14 ft wide only)	\$200
Single Trip Mobile Home	\$20

Low impact monitors are \$150 for first bridge, \$100 for second bridge, and \$50 for each additional bridge, up to a maximum of \$750. Permit monitors may be assigned in certain situations, with their fees determined on a case-by-case basis.

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(c) Insurance Requirements

Insurance is not required to be on file with permit office (except for mobile home), however operators must obtain insurance comparable to the federal standards (between \$750,000 and \$5,000,000 depending upon commodity).

Holders of such permits must agree to compensate the Department of Highways for all damages or expenses incurred during movement under the permit.

The Commissioner reserves the right to prescribe various conditions for movement under permits to assure against undue damage to road foundations, surfaces or structures. A bond or other security may be required as deemed necessary to compensate for damage during permitted moves.

(d) Permitted Vehicle Limitations

In general, 15 feet is the maximum width for single trip permit on a two-lane highway, 16 feet maximum on a four-lane highway. Permits for wider movements may occasionally be issued, depending on routes to be traveled and other conditions.

There is no set maximum height or length for permitted vehicles; however, such permits will only be issued if adequate clearances are available on the proposed routes.

Overhangs are limited to 15 feet front and 30 feet rear.

Maximum single trip permitted weights are:

- 28,000 pounds single axle;
- 45,000 pounds tandem axles;
- 50,000 pounds tridem axles;
- 55,000 pounds quad axles; and
- 120,000 pounds gross vehicle weight.

When a vehicle or article under a permit is in excess of the statutory height limitation, the person granted such permit shall give adequate notice to owners of overhead wires, cables, or other facilities which may be affected by the transportation authorized by the permit.

Blanket (annual) permit limitations are below.

(e) Sign Requirements

OVERSIZE LOAD signs must be at least six feet long and two feet high. The letters should be black, at least 12 inches high, on a yellow background. Sign requirements of other states are also acceptable.

Oversize movements must display OVERSIZE LOAD signs at both the front and the rear.

(f) Flags and Lighting Requirements

Flags must be red and at least 18 inches square. Six flags must be displayed as follows on the vehicles: one on each side of the front bumper of the power unit or towing vehicle and one on each top corner of the load.

VEHICLE SIZES & WEIGHTS MANUAL

(g) Escort/Flagperson Requirements

Overwidth

Overall Width	Highway Lanes	Escort Vehicle Required with OVERSIZE LOAD Sign	Days of Travel
10 ft 6 in. to 12 ft	2 lane	At front	7 days
	4 lane	None	7 days
12 ft 1 in. to 14 ft	2 lane	At front and rear	7 days
	4 lane	At rear	7 days
14 ft 1 in. to 15 ft*	2 lane	At front and rear	Monday - Friday**
	4 lane	At front and rear	Monday - Friday
15 ft 1 in. to 16 ft	2 lane	Two front and one rear	Monday - Friday
	4 lane	One front and two rear	Monday - Friday
16 ft 1 in. and above	2 lane and 4 lane	As required by permit	Sunday***

* Districts and Parkway may require additional escort or time restrictions

** West Virginia Parkway Authority: Loads greater than 16 ft wide must be able to clear 2 ft 9 in. high concrete barriers.

***Loads more than 16 ft wide may move only on Sunday morning until noon.

Overlength

Length	Highway Lanes	Escort Vehicle Required with OVERSIZE LOAD Sign	Days of Travel
75 ft to 95 ft*	2 lane	At rear	Monday - Friday
	4 lane	None	7 days
95 ft 1 in. to 100 ft*	2 lane	At front and rear	Monday - Friday
	4 lane	At rear	Monday - Friday
100 ft 1 in	2 lane	At front and rear	Monday - Friday
	4 lane	At front and rear	Monday - Friday
Front overhang exceeds 10 ft**	2 lane	At front	Monday - Friday
	4 lane	At front	Monday - Friday
Rear overhang exceeds 10 ft**	2 lane	At rear	Monday - Friday
	4 lane	At rear	Monday - Friday

Pole or extendable trailer can legally carry a load of 80 ft in length (without permit) providing load is not overweight. Escorts are not required but are encouraged for safety.

*Districts and Parkway Authority may require additional escorts.

**No escort required until overhang exceeds 10 ft front or rear.

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Overheight

When height exceeds 15 feet:

Highway Lanes	Escort Vehicle Required with OVERSIZE LOAD sign	Days of Travel
2 lane	Front pole car required	Monday - Friday
4 lane	In addition to any other escort	Monday - Friday

*Parkway (I-77/64) maximum height Yeager Bridge 15 ft 10 in. 16 ft in center of bridge.

Escort requirements are stated within the permit. These requirements are the policy of the WV Division of Highways. Districts and Parkway Authority may require additional escort or movement requirements, but never less than those listed above.

Flagperson requirements

When one-way or narrow bridges or other restrictive structures are encountered along the highways during an oversize move, the driver of an escort vehicle must act as a flagperson if oncoming traffic is present. Such a flagperson must assure the safe passage of the overdimensional vehicle and other traffic over or through the constricted area.

(h) Escort Car/Company Requirements

The applicant for any special permit is responsible for the conditions and requirements for any front or rear escort vehicle as follows:

- Vehicle must weigh more than 2,000 pounds, have a GVWR less than 26,000 pounds, and be properly licensed;
- Identification signs showing the name of the company, owner, or driver of the escort vehicle, along with the phone number of the owner or driver, must be displayed on both sides of vehicle. The signs must be at least eight inches by 12 inches;
- Must have two red or safety orange flags, at least 18 inches square, mounted at 40 to 70 degree angle on roof rack, or on all four corners of vehicle; and
- All for-hire escort vehicles must contain:
 - A CB radio, or other two-way communication device;
 - Two five-pound fire extinguishers (type A-B-C);
 - A sign with a handle and word STOP on one side and SLOW on the other (18 inches in diameter with six-inch letters);
 - An orange safety vest, shirt, or jacket;
 - An 18-inch red hand-held flag;
 - Two OVERSIZE LOAD banners (yellow with black lettering); and
 - Three reflecting triangles or 18-inch traffic cones.

Escort car signs, flags, and lights

Escort cars must be equipped with either a rotating or strobe amber yellow plastic, acrylic, or glass covered flashing light, visible from at least 500 feet that has a horizontal placement visible from all directions.

Escort cars must display bumper or roof mounted yellow five-foot by 12-inch signs reading OVERSIZE LOAD with black letters 10 inches high, 1 ½-inch wide brush stroke, visible from front or rear.

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(i) Travel Restrictions

All movements by permit must be made between sunrise and sunset. Exceptions to the travel time restrictions may be considered on a per case basis. Approved exceptions will be noted on the permit.

Travel for vehicles that are overweight up to and including 110,000 pounds but not oversize is allowed (when requested) 24 hours per day, seven days per week.

No permitted movements exceeding 14 feet in width will be allowed on Saturdays, Sundays, or legal holidays. Additional travel restrictions are listed above within the escort vehicle requirements. Bulldozers may be hauled with the blades on, so long as the blade is angled away from oncoming traffic and the total width of the load is not more than 14 feet. If the load is more than 14 feet wide, the blade must be removed and hauled on a separate trailer (if the load is also overweight).

Oversize vehicles exceeding 14 feet and up to 16 feet in width can travel from sunrise to sunset, Monday through Friday on all routes. Travel for vehicles exceeding 16 feet in width is allowed only on Sunday mornings.

Movement will also be prohibited when road surfaces are hazardous due to ice or snow, or when driving conditions are rendered dangerous by reason of fog, snow, excessive rain, etc.

The West Virginia Turnpike allows weekend travel for loads no more than 95 feet long and/or with no more than 15 feet combined overhang, and/or no more than 14 feet 6 inches high and/or with a gross vehicle weight of no more than 110,000 pounds.

Holiday restrictions

Legal holidays in West Virginia are:

New Year's Day	Labor Day
Good Friday	Thanksgiving Day
Memorial Day	Christmas Day
Independence Day	

If any of these holidays falls on a Saturday, the preceding Friday is the legal holiday. If the holiday falls on a Sunday, the following Monday is the legal holiday.

In addition, movement authorized by post-dated permits will be allowed on the following days, but permit issuing offices will be closed.

Martin Luther King's Birthday	Columbus Day
Lincoln's Birthday	Primary Election Day
Washington's Birthday	General Election Day
West Virginia Day (June 20)	Veteran's Day

(j) Manufactured Housing Permits

Single trip mobile home permits are valid for 10 days.

Single trip permits are limited to 110 feet in length, mobile home length of 80 feet, up to 16 feet in width, and 15 feet 6 inches in height. Blanket (annual) permits issued for mobile homes 14 feet wide or less only, and up to the single trip permit dimensions.

Manufacturers of 14-foot-wide mobile homes must make application to the permit office before production starts to determine a possible delivery route for mobile homes from the plant to specified points.

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Mobile homes up to and including 14 feet wide can move from sunrise to sunset, Monday through Friday, and sunrise until noon on Saturday. Mobile homes greater than 14 feet wide up to and including 16 feet can move sunrise to sunset, Monday through Thursday, and sunrise until 3 p.m. on Friday. Mobile homes greater than 16 feet wide are not allowed.

No mobile home permit will be issued until a certificate of insurance has been filed with the permit office. The certificate must be from any reputable and solvent insurance company and must be in the amounts of \$100,000/300,000 public liability and \$50,000 property damage.

Movers of all mobile homes which will require parking restrictions, or impede the normal flow of traffic in any way through a municipality must notify the local authorities prior to movement. Municipalities may require police escorts.

Mobile home towing vehicles must display four-way amber flashing lights not less than six feet above the roadway. All running lights must be turned on during the move.

The driver of a towing vehicle on 14-foot wide mobile homes must have a minimum of two years experience in towing oversize mobile homes. Drivers of any towing vehicle must not permit a buildup of more than five vehicles to the rear, if roadway will permit pull-off of towing vehicle or passing.

The towing vehicle of all mobile homes must be of a capacity at least one ton for mobile homes up to 12 feet wide and at least a two-ton capacity for 14 foot wide mobile homes and four-speed transmission and dual drive wheels.

(k) Annual, Extended, And/Or Other Permits

Blanket (annual) oversize or overweight permits are available and may be used for modular homes and most other non-divisible loads (excluding mobile homes).

Maximum permit limits are as follows:

Interstate and other Divided Routes	US and Selected Routes	All Other Routes	Axle Limits All Routes	
14 ft 6 in. high	14 ft high	13 ft 6 in. high	28,000 lb single	For OW Permit
14 ft wide	12 ft wide	12 ft wide	45,000 lb tandem	For OW Permit
95 ft long	75 ft long	75 ft long	50,000 lb tri	For OW Permit
15 ft overhang	10 ft overhang	10 ft overhang	20,000 lb single	For OS Permit
110,000 lb	90,000 lb	Legal weight	34,000 lb tandem	For OS Permit

Overweight loads operating under a blanket permit must be carried on a truck-tractor and trailer combination, not a single vehicle.

(l) Sealed Containerized Cargo Permits

An overweight blanket permit for overweight seagoing containerized cargo may be issued in West Virginia. The permit may be used an unlimited number of times with any truck owned or leased to the company within the size and weight limitations and routes on the application.

The permit is valid only for use with a vehicle hauling containerized cargo in a sealed, seagoing container to or from a seaport or inland waterway port that has or will be transported by marine shipment. The only vehicle allowed to use such a permit is a truck-tractor, semitrailer combination with five or more axles. Maximum weights are:

- 90,000 pounds gross weight;
- 28,000 pounds single axle;

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- 45,000 pounds tandem axles; and
- 50,000 pounds tridem axles.

Bridge and other restrictions will be included with the permit.

Travel is allowed 24 hours per day, seven days per week on all divided highways, U. S. routes, and selected other routes. A list of routes will be provided with the permit.

The original permit and attachments must be carried in the vehicle while traveling on highways.

Duplication of the permit is not allowed and once issued, a permit cannot be modified. Unused portions are nonrefundable.

Permits are \$150 for one to 15 permits and \$15 for each permit after that.

III. SUPER LOADS

Super loads are considered anything that exceeds any of the limits for single trip permits. There is generally no limit on dimensions, but overall size must be suitable for the route and the overhangs are limited to 15 feet front and 30 feet rear.

There is no limit on weight but all loads must pass a bridge analysis.

IV. AGENCY REFERENCES

(a) Sizes and Weights

Regulatory agency

WV Dept. of Transportation
(304) 558-3900
www.transportation.wv.gov/Pages/default.aspx

Permit agency

WV Dept. of Transportation
(304) 348-0384/85/86 (Oversize/Overweight Permits)
(304) 348-3736/37 (Mobile Home Permit)
(304) 558-3736 (Sealed Containerized Cargo Permit)
www.transportation.wv.gov/Pages/default.aspx

District office for single trip permits

West Virginia Div. of Highways
(304) 842-1500
www.transportation.wv.gov/highways/Pages/default.aspx

Super loads

West Virginia Department of Transportation
(304) 558-0384 or (304) 558-2883
www.transportation.wv.gov/Pages/default.aspx

Enforcement agency

Public Service Commission, Enforcement Division
(304) 558-2081
www.psc.state.wv.us/

VEHICLE SIZES & WEIGHTS MANUAL

Reserved

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Wisconsin must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	On Interstate and Designated Federal-aid Highways	On Other State and Supplemental Highways
Width:	102 in	102 in
Height:	13 ft 6 in	13 ft 6 in
Length:		
Straight Trucks	45 ft	45 ft
Straight truck-trailer	70 ft	70 ft
Tractor-semitrailer combinations	No limit	75 ft on state trunk highways
Tractor-twin-trailer combination	No limit	Not allowed
Semitrailer	53 ft*	48 ft**
Trailers of twin-trailer combinations	28 ft 6 in	Not allowed
Auto-transporter combination	66 ft plus 4-ft front and 5-ft rear overhang	66 ft plus 4-ft front, 5-ft rear overhang
Stinger-steered	75 ft plus 3-ft front and 4-ft rear overhang	66 ft plus 4-ft front, 5-ft rear overhang
Drawbar length	12 ft	12 ft
Special limitations or restrictions	*Distance from kingpin to center of the rearmost axle if a single axle, or midpoint between tandem axles, cannot exceed 43 ft. **53 ft if the distance from kingpin to center of the rearmost axle if a single axle, or midpoint between tandem axles, does not exceed 43 ft	
Weight:*	On Interstate System Highways Only	On All Other State Highways
Single axle	20,000 lb	20,000 lb
Tandem axle	34,000 lb	34,000 lb
Steering axle	13,000 lb	13,000 lb
Load per inch width of tire -or-	N/S	N/S
Gross wheel weight	11,000 lb	11,000 lb
Gross vehicle weight	80,000 lb	80,000 lb
Tolerances	N/S	N/S

*Heavy duty vehicles equipped with idle reduction technology may exceed the gross vehicle weight and gross axle weight by 400 lb, or the actual weight of

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the unit, whichever is less. The heavy duty vehicle operator must, upon request, provide written certification of the idle reduction technology's weight and that the technology is fully functional at all times.

Seasonal Weight Restrictions

Wisconsin's seasonal weight restrictions can be found at <http://www.dot.wi.gov/business/carriers/osowgeneral.htm>.

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Operators of vehicles that exceed the legal size and weight limits must obtain an oversize and/or overweight permit from the Department of Transportation prior to making any movement in the State of Wisconsin. Single trip, multiple-trip, and annual permits are available. Single trip permits are valid for 14 days for one-way only; return trips allowed if requested and approved (at no additional charge). Multiple-trip permits are valid for three to 12 months.

Single trip permits (SS) are issued for non-divisible oversize/overweight loads or vehicles, including transformers, boats, cranes under their own power. Divisible loads such as steel beams, trusses, and two tractors loaded end-to-end may be allowed if specified loading or routing conditions can be met. Wisconsin also issues single trip building (SB) single trip mobile home/modular building section (SM) permits.

Single trip permits may be issued for the transportation of a vehicle combination, consisting of three empty vehicles in transit from manufacturer or dealer to purchaser or dealer, or for the purpose of repair. The towing vehicle must be a truck-tractor or a road tractor.

Transportation under a multiple trip permit includes the movement of the empty vehicle, whether or not oversize, to and from the place of pickup or delivery of the permitted load.

Permits will not be issued for loads or articles that can reasonably be reduced to meet size and weight limits, or that can be divided into two or more loads which would not exceed statutory size and weight limits. Furthermore, permits must not be issued for the transporting of more than one article if the vehicle and load exceed statutory weight limits (this does not prohibit the transporting of necessary blocking for a load, nor the transporting of such necessary blocking on the otherwise empty vehicle to and from the origin or destination of the load; however, it does prohibit the addition of an extra bucket, boom section, etc., to a load being transported under permit).

Applications for oversize or overweight permits over state trunk highways and interstate must be made to the Department of Transportation in Madison, unless application has been made to a local authority for operation on interstate or state truck highway within the county or municipality which they represent. Applications to the Department must be in the form prescribed and must be complete and accurate.

The permittee must carry the permit in the vehicle to which it applies and must have it available for inspection by any police officer.

No permit must be considered to set aside any regulation limiting loads because of local conditions, including bridges and highways posted for load limits, seasonal weight restrictions, or highways under construction.

Permits are issued and valid only for vehicles equipped with pneumatic tires.

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(b) Fees

Permit fees must be submitted with the permit application.

Single Trip Permits

Single Trip Permits	Fee
<i>Overlength Only</i>	\$15.00
<ul style="list-style-type: none"> • The vehicle is overdimensional only • Does not include vehicles which are overweight 	
<i>Overwidth OR Overheight (may include Overlength)</i>	\$20.00
<ul style="list-style-type: none"> • The vehicle is overdimensional in either width or height-the vehicle may be overlength with no additional charge, so size combinations at this fee rate include: overwidth, overwidth and overlength, overheight, and overheight and overlength. • Does not include vehicles which are overweight 	
<i>Overwidth AND Overheight (may include Overlength)</i>	\$25.00
<ul style="list-style-type: none"> • The vehicle is overdimensional in BOTH width and height • The vehicle may be overlength with no additional charge, so size combinations at this fee rate include: overwidth and overheight; and overwidth and overheight and overlength. • Does not include vehicles which are overweight 	
<i>Overweight (includes any Oversize)</i>	
Permit for Overweight (regardless of whether or not load is Oversize), if gross weight is 90,000 lb or less	\$20.00
90,001 - 100,000 lb	\$35.00
100,001 - 110,000 lb	\$45.00
110,001 lb - 120,000 lb	\$55.00
120,001 lb - 130,000 lb	\$65.00
130,001 lb - 140,000 lb	\$75.00
140,001 lb - 150,000 lb	\$85.00
150,001 lb and up	\$85 plus \$10 per 10,000 lb or fraction thereof

A charge of \$10 per district will be made when the route must be reviewed by a regional highway office. A charge of \$10 also applies if a review is necessary of specific highway structures.

Multiple Trip Permits

Permit Duration	Annual	11 Month	10 Month	9 Month	8 Month	7 Month	6 Month	5 Month	4 Month	3 Month
If Oversize only:										
Length only	\$60.00	\$60.00	\$60.00	\$60.00	\$55.00	\$50.00	\$45.00	\$40.00	\$35.00	\$30.00
Width and/or height and/or length	\$90.00	\$90.00	\$90.00	\$82.50	\$75.00	\$67.50	\$60.00	\$52.50	\$45.00	\$37.50

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Multiple Trip Permits, Continued

Permit Duration	Annual	11 Month	10 Month	9 Month	8 Month	7 Month	6 Month	5 Month	4 Month	3 Month
If Overweight OR Overweight and Oversize*										
Up to 90,000 lb	200.00	198.33	181.67	165.00	148.33	131.67	115.00	98.33	81.67	65.00
100,000 lb	350.00	335.83	306.67	277.50	248.33	219.17	190.00	160.83	131.67	102.50
110,000 lb	450.00	427.50	390.00	352.50	315.00	277.50	240.00	202.50	165.00	127.50
120,000 lb	550.00	519.17	473.33	427.50	381.67	335.83	290.00	244.17	198.33	152.50
130,000 lb	650.00	610.83	556.67	502.50	448.33	394.17	340.00	285.83	231.67	177.50
140,000 lb	750.00	702.50	640.00	577.50	515.00	452.50	390.00	327.50	265.00	202.50
150,000 lb	850.00	794.17	723.33	652.50	581.67	510.83	440.00	368.17	298.33	227.50
160,000 lb	950.00	885.83	806.67	727.50	648.33	569.17	490.00	410.83	331.67	252.50
170,000 lb	1050.00	977.50	890.00	802.50	715.00	627.50	540.00	452.50	365.00	277.50

*Round weight up to the next 10,000 lb increment; for example, if weight is 93,000 lb, round to 100,000 lb to determine fees.

To calculate fees:

- Choose the effective and expiration dates for the permit.
- Count the number of months in the permit from the beginning to ending day; when figuring months, do not use calendar months. The month begins on the effective date of the permit. For example, if the permit is to become effective May 23, then May 23 to June 22 is counted as exactly one month.
- If the number of months for the permit is not exact, round up to the next whole number of months.

Charges are not required to transfer a permit from one vehicle to another. A new application must be submitted stating that it is a transfer. Include the permit number in the application. Submit completed form MV2612 when adding new vehicle.

(c) Insurance Requirements

In applying for and accepting an oversize or overweight permit, the permittee agrees to pay any claim for any bodily injury or property damage resulting from operations under the permit for which the permittee is legally responsible. Furthermore, the permittee must hold the state, its subdivisions, officers, employees and agents harmless from any claim which may arise from operations over public highways under the permit.

The agency issuing the permit may require the permittee to file a bond, certificate of insurance or certified check which would hold the state or any county, city, village or town harmless from any claim, loss or damage that may result from the oversize or overweight movement. However, regardless of whether or not insurance, bond or deposit is required, the permittee must be liable for all damages that may occur to the highways or its appurtenances as a result of the permitted movement.

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The permittee must have the following minimum insurance coverages in effect on the vehicle and load designated on the permit while operating on the public highways:

	Group A			Group B		
Bodily injury liability - each person	\$150,000	OR	\$750,000 Combined Single Limit	\$200,000	OR	\$1,000,000 Combined Single Limit
Bodily injury liability - each accident	450,000			600,000		
Property damage liability - each accident	300,000			400,000		

Group A applies when the permitted load does not exceed 12 feet in width, 13 feet 6 inches in height, or 100 feet in length and does not exceed statutory gross weight limits by more than 25 percent.

Group B applies when the permitted load exceeds the size and weight limitations in Group A.

(d) Permitted Vehicle Limitations

The maximum size limitations and the maximum axle, axle combination and vehicle weights, gross vehicle weights, etc., authorized by a permit must not be exceeded, whether the vehicle is used alone or in combination with another vehicle. Maximum single-trip permit limits are as follows:

Load Condition	Limitations
Width	The overall width depends on type of load.
Length	The following maximum lengths are allowed under annual permits: <ul style="list-style-type: none"> • Single vehicle, 50 ft • Mobile crane, 60 ft • Vehicle combinations, 100 ft
Height	The overall height depends on type of load.
Gross axle weight	Maximum gross axle weight: <ul style="list-style-type: none"> • Steering axle, 20,000 pounds; or • Any other axle, 35,000 pounds.

Additional weight restrictions may be imposed by the route. If the spacing between adjacent axles is less than 42 inches, the axle can carry no more than a single axle.

(e) Sign Requirements

OVERSIZE LOAD signs must measure 18 inches wide by seven feet long and have 10-inch high black letters with a 1.4 inch brushstroke on a yellow background.

Two signs (one front and one rear) must be displayed on vehicles and/or loads with width greater than 10 feet and for overlength movements.

Signs must be removed when not operating under permit.

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(f) Flags and Lighting Requirements

Flags

Warning flags must be red and must measure at least 18 inches square. Flags must be displayed at each front corner and at each rear corner of all overwidth movements.

A red flag posted on a staff must be fastened at the left extremities on the front and rear of any object or part of the load which extends beyond the fender line of the transporting vehicle being operated under permit.

In addition, a red warning flag must be placed at the widest point of a load, if it extends more than four inches beyond the width of the load or vehicle at the front or rear.

If a vehicle and/or load is overlength, a single flag must be placed at the extreme rear of the load if the overlength portion is two feet wide or less. If the projection portion is wider than two feet, two flags must be placed at the rear of the load to indicate maximum width.

Lights

For oversize vehicles/loads operating during darkness, the following lamps are required:

- At the outermost extremity of the foremost edge of the projecting load, an amber lamp visible from the front and side;
- At the outermost extremity of the rearmost edge of the projecting load, a red lamp visible from the rear and side;
- Any portion of an overwidth load extending beyond the width of the foremost or rearmost edge of the vehicle or load shall be marked with an amber lamp visible from the front, both sides, and rear; and
- If the overwidth portion of a load measures three feet or less from the front to rear, that portion shall be marked with a amber lamp visible from the front, both sides and rear, except that if the overwidth projection is located at or near the rear it shall be marked by a red lamp visible from the front, both sides, and rear.

For a vehicle with a load that extends more than four feet beyond the rear of the vehicle:

- On each side of the projecting load, one red lamp visible from the side, located so as to indicate maximum overhang; and
- On the rear of the projecting load, two red lamps, visible from the rear, one at each side; and two red reflectors visible from the rear, one at each side, located so as to indicate maximum width.

When required by a permit, warning lamps must be used as follows:

- All amber flashing or revolving warning lamps must have a reflector at least six inches in diameter and must be bright enough to be clearly visible and attention-attracting at a distance of 500 feet under all conditions when the load is on the highway, except when visibility is obstructed by a hillcrest, a curve, or an object such as another vehicle;
- All warning lamps shall flash at a rate of 30 to 90 times per minute; and
- Strobe lamps may be used instead of flashing or revolving lamps.

Warning lamps may not be used when a vehicle is not operating under a permit.

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(g) Escort/Flagperson Requirements

Escort requirements are as follows:

Escort Type Required by Permit	Conditions
Single escort vehicle and movement is on a two-way undivided roadway	The escort vehicle must precede the vehicle or load being moved under a permit by a distance of at least 300 feet and sufficient to give advance warning to vehicles coming from the opposite direction. If the road narrows because of a bridge or for any other reason, or at a sharp turn or other point of special hazard because of the weight, width, or length of the vehicle or load, the driver of the escort vehicle must slow down or stop, as necessary, to give adequate warning to oncoming traffic, utilizing hand flagging methods as necessary with a clean, bright red or orange flag at least 18 inches square.
Single escort vehicle and movement is on one-way roadways, including divided highways with one or more lanes of travel in the same direction	The escort vehicle must follow the vehicle or load being transported under permit at a distance of 300 to 500 feet with its required warning lamps and sign visible from the rear.
More than one escort vehicle	One escort must precede the permitted vehicle and one escort must follow the permitted vehicle regardless of the type of highway.

Escorts are required on certain highways; visit <http://www.dot.wisconsin.gov/business/carriers/forms/mv2740.pdf> for more information.

(h) Escort Car/Company Requirements

An escort vehicle must be checked by the escort operator before each escort assignment to make sure that it is in safe operating condition. A person may operate an escort vehicle unless the person is at least 18 years of age and has in his/her immediate possession an operator's license issued to the escort vehicle operator and valid in Wisconsin.

Before movement of the oversize or overweight vehicle or load begins, the escort operator must read the permit which authorizes the movement and any and all conditions for operation under the permit, including but not limited to, specific routes, the speed of movement, or the times of day during which the movement is permitted or restricted.

The escort operator must observe all conditions imposed on operation under the permit.

An escort vehicle must be a Type 1 automobile or a single-unit motor truck of not more than 16,000 pounds actual gross vehicle weight, gross vehicle weight rating, or registered weight. The escort vehicle must afford its driver a clear and unobstructed view to the front, rear, right, and left. Unobstructed view to the rear may be provided by outside mirrors on both sides of the vehicle.

Escort car signs, flags, and lights

The escort vehicle headlamps must be lighted in the low beam position and the warning lamps must be lighted when accompanying the movement of a vehicle operated under permit.

The escort vehicle's amber warning lamps may not be operated when the vehicle is not engaged as an escort.

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A vehicle escorting an oversize vehicle must display an OVERSIZE LOAD sign mounted above the roof of the escort vehicle and above any equipment mounted on the vehicle which would obscure an approaching driver's clear view of the sign. The lettering on the sign must be 10 inches high in black on a solid yellow or amber background and may not have a stroke width of less than 1.5 inches. The visible surface of the sign must be at least five feet wide and 12 inches high. The sign must be visible to traffic approaching from the front of an escort vehicle preceding a load. In the case of an escort vehicle operating to the rear of the load being transported, the sign must be visible to traffic approaching from the rear.

No sign message may be displayed to traffic when the escort vehicle is not escorting an oversize load.

An escort vehicle must be equipped with at least two amber warning lamps mounted on or above the vehicle roof. A warning lamp includes a single or multiple pulse strobe light. Each such warning lamp must flash, pulse, or rotate between 30 and 120 times per minute. The multiple flash effect must be counted as a single flash. Each such warning lamp must have sufficient intensity to be clearly visible and attention-attracting at a distance of 500 feet, under all conditions when the oversize or overweight vehicle or load is on the highway, except when visibility of the lamp is temporarily obstructed by a hill crest, a curve or an object such as another vehicle.

The amber warning lamps must be mounted at the same level, separated laterally as much as possible, visible all around, or 360 degrees, and must flash, pulse, or rotate.

(i) Travel Restrictions

Except if otherwise specified in a permit, overweight-only permitted loads may operate 24 hours per day, including weekends and holidays.

If size does not exceed 12 feet wide, 13 feet 6 inches high, or 100 feet long, the vehicle may not be operated:

- Between 4 p.m. and 11 p.m. on Sunday; or
- Between 4 p.m. and 11 p.m. on Friday between the fourth Friday in May and Labor Day.

If size is greater than 12 feet wide, 13 feet 6 inches high, or 100 feet long, the vehicle may not be operated:

- During the hours of darkness;
- After 4 p.m. on Friday between the fourth Friday in May and Labor Day; or
- During the period beginning at noon on Saturday and continuing until sunrise the following Monday.

If traveling on the Milwaukee expressway greater than legal width, height or length* the vehicle may not be operated (except on US 45 between West Florist Avenue and West Hampton Avenue and on I-94 between Waukesha line and 108th Street):

- Between 6 a.m. and 9 a.m. and between 3 p.m. and 6 p.m. Monday through Thursday; or
- Between 6 a.m. and 9 a.m. and 3 p.m. and 11 p.m. Friday and Sunday.

*Maximum allowed dimensions on the Milwaukee expressway are 11 feet wide, 13 feet 6 inches high or 100 feet long.

(j) Manufactured Housing Permits

Single trip permits

Under a single trip mobile home/modular building section (SM) permit, the maximums are as follows:

- Maximum mobile home or modular building section length, 80 feet;
- Maximum overall length, 110 feet; and
- No overweight allowed.

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Separate permits and escorts are required for each section. Escorts are typically required when a vehicle exceeds 15 feet below the roof line or exceeds 16 feet at the roofline.

Multiple trip permits

Mobile home or modular building section (HM) multiple trip permits for towing vehicles used for the transportation of oversize mobile homes and/or modular building sections may be issued only to licensed mobile home transportation companies and licensed mobile home manufacturers and dealers over highways in the ordinary course of their business.

Mobile home multiple trip permits are valid for the towing vehicle described on the application and permit and for a mobile home being towed thereby, and are transferable to another towing vehicle owned by the same owner. A new application must be submitted, however.

Under a multiple trip permit, maximum sizes are as follows:

Size Limits	Mobile Home/Modular Building Section
Single vehicle length	80 ft
Vehicle combination length	100 ft
Overall width	15 ft at the box; 16 ft at the roof
Overall height	15 ft

The movement must be legal weight.

(k) Annual, Extended, And/Or Other Permits

Multiple trip permits

Under multiple trip permits, permittees may make unlimited trips. Permittees are responsible for their own routing.

Multiple trip permits for divisible loads are not valid during the spring thaw except where specified in the permit descriptions.

For additional information on all of the multiple trip permits described below, visit <http://www.dot.wisconsin.gov/business/carriers/osow-multiple-trip.htm>.

Non-Divisible Oversize/Overweight

The maximum size limits for non-divisible oversize/overweight vehicles/loads are as follows:

Size Limits	Vehicles & Loads	Mobile Crane
Single vehicle length	50 ft	60 ft
Vehicle combination length	100 ft	75 ft
Overall width	14 ft	14 ft
Overall height	16 ft	16 ft

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The maximum weight limits for non-divisible oversize/overweight vehicles/loads are as follows:

Number of Axles	Maximum Weight
Single Axle	20,000 lb
Single Axle (4 tires)	30,000 lb
2-axle tandem (4 or 8 tires)	55,000 lb
2-axle tandem (16 tires)	60,000 lb
3 axles	70,000 lb
4 axles	80,000 lb

The total gross load permitted on any combination of single axles or tandem axle groups will be reduced in proportion as the spacing between adjacent axles is less than 18 feet. Tandem axle means any two consecutive axles whose centers are 42 or more inches apart and which are individually attached to or articulated from a common attachment to the vehicle.

Equipment, Machinery, Materials, and Self-Propelled Vehicle

Examples of the types of loads allowed under the equipment, machinery, materials, and self-propelled vehicle (AA) multiple trip permit include transformers, boats, air conditioner units, and cranes under their own power. Under this permit, maximum allowances are:

- Length of 100 feet;
- Width of 14 feet;
- Height of 16 feet; and
- Weight of 170,000 pounds.

Garbage, Refuse, and Recyclable Scrap

In terms of the garbage, refuse, and recyclable scrap (AG) multiple trip permit, the following applies:

- Garbage means discarded materials resulting from the handling, processing, storage and consumption of food. The transporting vehicle must be a self-compactor equipped vehicle;
- Refuse means any combustible and non-combustible rubbish including, but not limited to, paper, wood, metal, glass, cloth and products thereof; litter and street rubbish, ashes; and lumber, concrete, and other debris resulting from the construction or demolition of structures. The transporting vehicle must be a self-compactor equipped vehicle; and
- Recyclable-scrap means metallic or non-metallic material in waste for which there exists a commercially demonstrated processing or manufacturing technology which uses the material as a raw material, and which is transported for use as such a raw material.

This permit is not valid on the interstate, except on I-39 (Hwy 51) from Wausau south to the Hwy 78-I 90/94 interchange near Portage.

Fruits, Vegetables/Raw Forest at 90,000 Lb

In terms of the fruits, vegetables/raw forest at 90,000 lb (RF) multiple trip permit, the following applies:

- Raw forest products means logs, pilings, posts, poles, cordwood products, wood chips, sawdust, pulpwood, intermediary lumber, fuel wood and Christmas trees not altered by a manufacturing process off the land, sawmill or factory from which they are taken. A permit may include movement from a location where raw forest products have been cut, stored or processed.

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- Fruits and vegetables transported from the field to storage or from the field to processing facilities. A fruit or vegetable is the edible part of plants and the inedible part of plants which are commonly harvested and sold with the edible parts.

The maximum permit weight under this divisible load permit is 90,000 pounds. All other dimensions must be legal. There are seasonal exemptions for overweight vegetables.

Raw Forest Products

In terms of the raw forest products (RS) multiple trip permit, raw forest products means logs, pilings, posts, poles, cordwood products, wood chips, sawdust, pulpwood, fuel wood, intermediary lumber, and Christmas trees not altered by a manufacturing process off the land, sawmill, or factory from which they are taken.

The maximum permit weight is 98,000 pounds. The vehicle combination must have a minimum of six axles and no axle may exceed 20,000 pounds.

This permit is not valid on any interstate highway.

Hay and Straw

The hay and straw (HM) multiple trip permit authorizes the overheight transportation of hay or straw. The maximum permit height is 15 feet. If the vehicle is overheight, but legal in all other dimensions and weight, travel on all interstate highways is allowed (unless restricted by law).

The permit does not authorize travel on any interstate highways if the load is both overheight and overwidth.

Permission must be obtained for travel on local roads.

Potato Seed

The potato seed (PS) multiple trip permit allows for the transportation of potato intended for use as seed. The maximum vehicle or vehicle combination cannot exceed 90,000 pounds. Fifty-three foot trailers are allowed and vehicles are allowed to travel during the spring thaw. Specified routes apply.

Michigan Border

The Michigan border (MI) multiple trip permit allows Michigan rigs and configurations, transporting miscellaneous commodities, to operate in Wisconsin within 11 air miles of the Wisconsin-Michigan border, if the vehicle or combination does not violate length or weight limitations under Michigan law.

Building Mover

In terms of the building mover (BM) multiple trip permit, the following applies:

- Building means a dwelling or other structure (or portion of) with one or more overall transport measurements equaling or exceeding 12 feet wide, 14 feet 3 inches high, or 100 feet long, that is raised and supported from an existing foundation to be moved and placed on a permanent foundation at a new location where the building is to be delivered; a building does not include a modular housing unit or manufactured building or home.
- The building mover permit has both minimum dimensions, as stated above, and maximum dimensions:
 - Height, 15 feet;
 - Width, 15 feet; and
 - Overall length, 100 feet.

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Applicants for building mover permits must have motor carrier authority (MC or LC), which requires insurance on file. LC (intrastate) authority may be obtained and insurance may be filed with the Motor Carrier Registration Unit. MC (interstate) authority must be obtained from the federal government. Drivers who will operate the truck or semi-tractor that will tow a building must have a valid commercial driver license (CDL). The CDL number for all operators must be provided on the permit application.

Grain, Coal, and Iron Ore

In terms of the grain, coal, and iron ore (AC) multiple trip permit, grain means corn, wheat, soybeans, oats, barley, rye, buckwheat, sorghum, flaxseed, milo, sunflower seed, and mixed grain as defined in the federal grain standards act. The term does not include canning crops for processing or grain used or intended for use solely for sowing purposes.

The permit is valid on all Wisconsin state trunk highways within five miles of the Minnesota border, and allows up to 110 percent of legal gross weights with a maximum weight of 88,000 pounds.

(I) Sealed Containerized Cargo Permits

Wisconsin may issue single trip, annual, or consecutive month permits for the transportation of a sealed load. A sealed load is defined as a load or vehicle being transported in international trade, that has been sealed with a tamper-evident seal affixed at the time of initial loading. Single trip permits are valid for 14 days and are issued for one trip. The single trip permit fee is \$30.

The vehicle or a vehicle combination hauling the sealed load must have six or more axles and must not exceed 90,000 pounds, and is subject to the following requirements:

- Any axle of a vehicle or combination that does not impose on the highway at least eight percent of the gross weight of the vehicle or vehicle combination may not be counted as an axle;
- All dimensions of the vehicle or vehicle combination hauling the sealed load must be legal;
- Insurance for the sealed load is \$200,000 bodily injury, each person; \$650,000, bodily injury, each accident; \$400,000 property damage, each accident; or \$1,000,000 combined single limit;
- Vehicle(s) must be registered for at least the maximum registration weight available, or the permit weight, whichever is lower; and
- Vehicles may be operated at the posted speed, 24 hours per day, including weekends and holidays, and the permit is not suspended during spring thaw.

III. SUPER LOADS

Loads in excess of 16 feet wide, 110 feet long, and/or 100,000 pounds are considered super loads. There is no height definition for super load in Wisconsin.

Loads exceeding 16 feet wide and heavier than 150,000 pounds may incur a fee to cover application review costs.

All super load permit requests must submit an application including axle weights and spacings. Super heavy loads will require diagrams.

Approval takes from one day to a week.

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IV. AGENCY REFERENCES

(a) Size and Weights

Regulatory agency/Permit agency

Wisconsin Department of Transportation, Motor Carrier Services Section
(608) 266-7320 (7:45 a.m. to 10:30 a.m./1:30 p.m. to 3:30 p.m. Central Time)
www.dot.wisconsin.gov/business/carriers/index.htm

Super loads

Wisconsin Department of Transportation
(608) 266-7320
www.dot.state.wi.us/

Enforcement agency

Department of Transportation, State Patrol Division Headquarters
(608) 266-3212
www.dot.wisconsin.gov/statepatrol/

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Reserved

VEHICLE SIZES & WEIGHTS MANUAL



I. VEHICLE SIZES AND WEIGHTS LIMITATIONS

(a) Regulations

Vehicle operations in the state of Wyoming must comply with size and weight limitations. Regulations are applicable to both resident and non-resident operators.

(b) Size/Weight Limits

	All Highways
Width:	102 in.
Height:	14 ft
Length:	
Single Unit	60 ft
Truck-trailer	85 ft
Tractor-semitrailer combinations	No limit
Tractor-twin trailer combination	No limit
Semitrailer	60 ft
Saddlemounts	97 ft (up to 3 saddlemounts)
Trailers of twin-trailer combinations	48 ft for first semitrailer; 40 ft for second trailer; combined length not to exceed 81 ft, including connecting mechanisms. The heavier towed vehicle shall be directly behind the truck tractor and the lighter towed vehicle shall be last if the weight difference between consecutive towed vehicles exceeds 5,000 lb.
Auto-transporter combination	No overall length limit. Semitrailer and load shall not exceed 60 ft. (Even though power unit does transport property.)
Special limitations or restrictions	All other combinations not mentioned above are limited to 85 ft.
Weight:	
Single axle	20,000 lb
Tandem axle	36,000 lb
Three axle tandem	42,000 lb
Each Wheel	10,000 lb
Each Tire:	
Steering	750 lb/inch of width
Other Tires	600 lb/inch of width
Gross vehicle weight:	
Interstate	117,000 lb - Table I by formula
Primary & Secondary	80,000 lb - Table II
Primary & Secondary	117,000 lb - Table I by formula
Tolerances	N/S

The following weight tables establish the maximum legal gross weight of vehicles. Weight Table I requires the checking of all consecutive groups of axles to determine legal limits. It is referred to as the "inner bridge" system.

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Table II, is for primary and secondary highways only, and requires measuring the distance in feet between the extremes of the first and last axle of any vehicle or combination of vehicles.

Vehicles with two (2) consecutive sets of tandem axles with a distance of less than 22 ft between the first and last axles of the consecutive sets shall comply with Gross Weight Table I.

Axle, wheel, and tire weight limits must be legal regardless of which weight table is used.

Vehicles operating on primary and secondary highways may operate in accordance with Table I or Table II at the discretion of the operator.

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Distance in feet between the extremes of any group of two (2) or more consecutive axles					Maximum gross weight in pounds carried on any group of two (2) or more consecutive axles			
	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles	8 axles	9 or more axles
4	36,000							
5	36,000							
6	36,000							
7	36,000							
8	36,000	42,000						
9	39,000	42,500						
10	40,000	43,500						
11		44,000						
12		45,000	50,000					
13		45,500	50,500					
14		46,500	51,500					
15		47,000	52,000					
16		48,000	52,500	58,000				
17		48,500	53,500	58,500				
18		49,500	54,000	59,000				
19		50,000	54,500	60,000				
20		51,000	55,500	60,500	66,000			
21		51,500	56,000	61,000	66,500			
22		52,500	56,500	61,500	67,000			
23		53,000	57,500	62,500	68,000			
24		54,000	58,000	63,000	68,500	74,000		
25		54,500	58,500	63,500	69,000	74,500		
26		55,500	59,500	64,000	69,500	75,000		
27		56,000	60,000	65,000	70,000	76,000		
28		57,000	60,500	65,500	71,000	76,500	82,000	
29		57,500	61,500	66,000	71,500	77,000	82,500	
30		58,500	62,000	66,500	72,000	77,500	83,000	
31		59,000	62,500	67,500	72,500	78,000	83,500	
32		60,000	63,500	68,000	73,000	78,500	84,500	90,000
33			64,000	68,500	74,000	79,000	85,000	90,500
34			64,500	69,000	74,500	80,000	85,500	91,000
35			65,500	70,000	75,000	80,500	86,000	91,500

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Distance in feet between the extremes of any group of two (2) or more consecutive axles					Maximum gross weight in pounds carried on any group of two (2) or more consecutive axles			
	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles	8 axles	9 or more axles
36	Two (2) consecutive sets of tandem axles may carry 36,000 pounds each if the distance is 36 feet or more between the consecutive sets of tandem axles		66,000	70,500	75,500	81,000	86,500	92,000
37			66,500	71,000	76,000	81,500	87,000	93,000
38			67,500	72,000	77,000	82,000	87,500	93,500
39			68,000	72,500	77,500	82,500	88,500	94,000
40			68,500	73,000	78,000	83,500	89,000	94,500
41			69,500	73,500	78,500	84,000	89,500	95,000
42			70,000	74,000	79,000	84,500	90,000	95,500
43			70,500	75,000	80,000	85,000	90,500	96,000
44			71,500	75,500	80,500	85,500	91,000	96,500
45			72,000	76,000	81,000	86,000	91,500	97,500
46			72,500	76,500	81,500	87,000	92,500	98,000
47			73,500	77,500	82,000	87,500	93,000	98,500
48			74,000	78,000	83,000	88,000	93,500	99,000
49			74,500	78,500	83,500	88,500	94,000	99,500
50			75,500	79,000	84,000	89,000	94,500	100,000
51			76,000	80,000	84,500	89,500	95,000	100,500
52			76,500	80,500	85,000	90,500	95,500	101,000
53			77,500	81,000	86,000	91,000	96,500	102,000
54	78,000	81,500	86,500	91,500	97,000	102,500		
55	78,500	82,500	87,000	92,000	97,500	103,000		
56	79,500	83,000	87,500	92,500	98,000	103,500		
57	80,000	83,500	88,000	93,000	98,500	104,000		
58		84,000	89,000	94,000	99,000	104,500		
59		85,000	89,500	94,500	99,500	105,000		
60		85,500	90,000	95,000	100,500	105,500		
61		86,000	90,500	95,500	101,000	106,000		
62		87,000	91,000	96,000	101,500	107,000		
63		87,500	92,000	97,000	102,000	107,500		
64		88,000	92,500	97,500	102,500	108,000		
65		88,500	93,000	98,000	103,000	108,500		
66		89,000	93,500	98,500	104,000	109,000		
67		90,000	94,000	99,000	104,500	110,000		
68		90,500	95,000	99,500	105,000	110,500		
69		91,000	95,500	100,000	105,500	111,000		
70		92,000	96,000	101,000	106,000	111,500		
71		92,500	96,500	101,500	106,500	112,000		
72		93,000	97,000	102,000	107,000	112,500		
73		93,500	98,000	102,500	107,500	113,000		
74		94,500	98,500	103,000	108,500	113,500		
75		95,000	99,000	104,000	109,000	114,000		

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Distance in feet between the extremes of any group of two (2) or more consecutive axles					Maximum gross weight in pounds carried on any group of two (2) or more consecutive axles			
	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles	8 axles	9 or more axles
76				95,500	99,500	104,500	109,500	115,000
77				96,000	100,000	105,000	110,000	115,500
78				97,000	101,000	105,500	110,500	116,000
79				97,500	101,500	106,000	111,000	116,500
80				98,000	102,000	106,500	111,500	117,000
81				98,500	102,500	107,000	112,000	
82				99,000	103,000	108,000	113,000	
83				100,000	104,000	108,500	113,500	
84					104,500	109,000	114,000	
85					105,000	109,500	114,500	
86					105,500	110,000	115,000	
87					106,000	111,000	115,500	
88					107,000	111,500	116,000	
89					107,500	112,000	117,000	
90					108,000	112,500		
91					108,500	113,000		
92					109,000	113,500		
93					110,000	114,000		
94					110,500	115,000		
95	or more				111,000	115,500		

Gross weight table II

(Primary and secondary highways)

Distance in feet between the extremes of the first and last axle of any vehicle or combination of vehicles	Maximum gross weight in pounds	Distance in feet between the extremes of the first and last axle of any vehicle or combination of vehicles	Maximum gross weight in pounds
10	43,500	30	67,000
11	45,000	31	68,000
12	48,000	32	69,000
13	50,000	33	70,000
14	52,000	34	71,000
15	54,000	35	72,000
16	54,000	36	73,000
17	54,000	37	74,000
18	56,000	38	75,000
19	58,000	39 to 44	76,000
20	62,000	45	77,000

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Gross weight table II, Continued

(Primary and secondary highways)

Distance in feet between the extremes of the first and last axle of any vehicle or combination of vehicles	Maximum gross weight in pounds	Distance in feet between the extremes of the first and last axle of any vehicle or combination of vehicles	Maximum gross weight in pounds
21	64,000	46	77,400
22	65,000	47	78,300
23 to 29	66,000	48 or more	80,000

Vehicles with two (2) consecutive sets of tandem axles with a distance of less than 22 ft between the first and last axles of the consecutive sets shall comply with Gross Weight Table I.

Seasonal Weight Restrictions

Wyoming's seasonal weight restrictions can be found at <http://www.wyoroad.info/highway/conditions/RoadClosures.html>.

II. OVERSIZE AND OVERWEIGHT MOVEMENTS

(a) General Information

Operators of vehicles that exceed the legal size and weight limits must obtain an oversize and/or overweight permit or permission from permit issuing authorities prior to making any movement in the state of Wyoming.

Permits will not be issued for vehicles or loads which can reasonably be reduced, dismantled, or divided to meet the statutory size and weight requirements.

The following are permit issuing authorities authorized to issue permits for movements of indivisible oversize and/or overweight vehicles and loads:

- Wyoming Department of Transportation;
- Wyoming Troopers; and
- Overweight loads personnel.

A driver must call ahead before entering the state and secure permission to enter and obtain a permit. Drivers may call a port-of-entry where load will enter the state, the same day it will enter, to obtain permission for loads not exceeding the following limits:

- Width of 18 feet (including eaves);
- Height of 17 feet;
- Length of 110 feet (combination);
- Single axle, 25,000 pounds;
- Tandem axle, 55,000 pounds;
- Tridem axle, 65,000 pounds;
- Quad axle, 74,000 pounds; and
- Gross weight, 150,000 pounds.

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These are the maximum limits that may be authorized by port-of-entry personnel. For movements that exceed the above stated size or weight limits, the Overweight Loads Office will serve as the permit issuing authority for oversize and overweight movements. Carriers with loads in excess of 18 feet wide or 18 feet high must give a minimum of 24 hours notice.

Oversize agricultural movements exceeding 16 feet in width must be approved by the Highway Patrol.

Once a permit is issued, it must be carried with the vehicle or vehicle combination to which it refers. All permits must be open for inspection by the Department or any authorized agent of the State of Wyoming.

The Department reserves the right to specify routes to be used and times and methods of operations.

No vehicle shall be driven or moved on any highway unless it is constructed or loaded in such a way that it will prevent any of the load from dropping, sifting, leaking or otherwise escaping.

(b) Fees

Class A, B, and C Permits (Oversize) — permit fees for oversize loads shall be \$25 for any vehicle or load that exceeds the statutory limits, plus an additional three cents (\$0.03) for each foot or fraction thereof in excess of the following dimensions for each mile traveled.

Width:	15 feet
Height:	15 feet
Length (single unit)	75 feet

Class A, B, C and D Permit (Overweight) — \$0.06 for each ton or fraction thereof in excess of the statutory limits for each mile traveled. (\$40 minimum.)

Class D Permit (Oversize) — \$50

Class E or F Single Trip Permit — \$15

Class E or F 90-day Permit — \$50

Single Trip Permit for Baled Hay (oversize) — \$15

90-Day Permit for Baled Hay (oversize) — \$50

(c) Insurance Requirements

No special requirements.

(d) Permitted Vehicle Limitations

Class A Permits — These permits authorize separate movements of indivisible loads that exceed the Class B/C limits listed in the chart below. They are issued by the permit issuing authorities and are subject to prior approval by the Overweight Loads Office if the movement is oversize or overweight.

Class B Permits — These permits authorize separate movements of indivisible loads that do not exceed the Class B/C limits listed in the chart below. They are issued by permit issuing authorities and prior approval is not required from any other agency.

Class C Permits — These are self-issuing permits that authorize separate movements of indivisible loads that do not exceed the Class B/C limits listed in the chart below. The permits are approved and issued to qualified residents of Wyoming by the Office of Overweight Loads. The self-issuing permit holder is required to complete a separate Class C permit prior to each separate movement.

Class D Permits — These permits are extended period permits that authorize multiple movements of vehicles without load, or meeting indivisible load requirements, or a trailer carrying a recreational boat that do

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not exceed Class D limits listed in the chart below. The permits are issued by the Ports of Entry, Highway Shops and Wyoming Troopers and are approved for specified vehicles, routes and time periods.

Class D Permits may be obtained for a period of time not to exceed one year, authorizing the movement of vehicles without load, or meeting indivisible load requirements, or a trailer carrying a recreational boat that exceeds size limits up to 12 feet wide, 15 feet high, 75 feet long for a single vehicle, or combination of vehicles.

Class E Permits (*oversize - forest products and baled hay*) — These permits may be obtained for hauling forest products up to a width of 112 inches or hauling baled hay up to a width of 150 inches and a height of 15 feet. Permits for a single trip may be obtained at any permit issuing facility. Permits for a single trip or 90 days may be obtained from local Highway Troopers, Highway Department clerks, and Ports-of-Entry.

Class F Permits — The superintendent or his authorized representative may issue a permit exclusive of interstate highways for hauling of forest products, sugar beets, gravel, livestock and agricultural products hauled in trucks that cannot be weighed at point of loading at a weight which is not more than 10 percent in excess of allowable axle weights and not more than 5,000 pounds in excess of gross weights allowed under gross weight Table I. The permit fee is \$15.00 for a single trip permit not to exceed 96 continuous hours. The permit fee is \$50.00 for any 90 continuous days.

Class W Permits — These permits authorize movement of multi-piece loads in excess of 117,000 pounds. Vehicles must meet the axle and bridge formula specifications. Power units with Class W permits must be capable of maintaining a speed of 25 mph on a grade of five percent or less when fully loaded. Permit conditions and fees vary according to weight and distance traveled in Wyoming. Contact the Wyoming Office of Overweight Loads for more details.

For more information contact the Office of Overweight Loads at (307) 777-4376.

B/C & D permit limits:

Measurement	Class B/C Limits	Class D Limits
Width	18 ft	12 ft
Height	17 ft	15 ft
Length:		
Single Unit or part of a combination	Not applicable	75 ft
Vehicle Combination	110 ft	110 ft
Weight:		
Single axle	25,000 lb	25,000 lb
Two axle tandem	55,000 lb	55,000 lb
Three axle tandem	65,000 lb	65,000 lb
Gross Weight:	150,000 lb	150,000 lb
Construction equipment with large tires — single axle	55,000 lb	55,000 lb

Implements and Produce of Husbandry Moved by Farmers and Ranchers — “Agricultural operations” means the raising and harvesting of crops or livestock by Wyoming farmers or ranchers, the exchange between farmers or ranchers, or the transportation of implements of husbandry means a vehicle or vehicles manufactured or designed and used exclusively for the conduct of agricultural operations and only incidentally operated or moved on public highways.

Wyoming farmers and ranchers when transporting their own implements or produce of husbandry or exchanging transportation of implements or produce with other farmers or ranchers, may exceed the statutory width and height limits, but must comply with the safety regulations.

(e) Sign Requirements

All oversize movements must display OVERSIZE LOAD signs. OVERSIZE LOAD signs must be visible from both the front and rear, and must measure at least 60 inches wide by 10 inches high. The lettering must

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be painted black with a one-inch wide brushstroke on a yellow background, and be eight inches high. The signs must be kept in a clean condition, fully visible and must not cover the lights on the vehicle.

OVERSIZE LOAD signs are required on all overwidth, overlength, and overheight movements.

All movements traveling at an average speed of less than 25 mph and exceeding 8 feet 6 inches in width must, in addition to the slow moving vehicle emblems display a lighted revolving flashing amber light, strobe light, or two two-way flashing amber lights at least four inches in diameter. These lights must be clearly visible at least 500 feet from the front and rear of the movement. Properly equipped escort vehicles to the front and rear or properly displayed warnings signs that read OVERSIZE LOAD fully visible to the front and rear may be used in lieu of this lighting requirement.

Movements exceeding 8 feet 6 inches in width and traveling at a speed in excess of 25 mph must, in lieu of the slow-moving vehicle warning sign, display warning signs fully visible to the front and the rear. Non-registered self propelled implements may display lighted revolving flashing amber light, strobe light, or two two-way flashing amber lights at least four inches in diameter in lieu of OVERSIZE LOAD signs. These lights must be clearly visible at least 500 feet from the front and rear of the movement. Properly equipped escort vehicles may be used in lieu of this lighting requirement.

(f) Flags and Lighting Requirements

Flags

Warning flags must be red or fluorescent orange and must measure at least 12 inches square.

During daylight hours, any vehicle having a load that extends beyond its sides or more than four feet beyond its rear, must display flags marking the extremities and each corner of the load.

If the load extends four feet or more to the rear, the overhang must be marked with two warning flags during daylight hours and two red lamps after sunset.

Lights

When lights are required, they must be a lighted, revolving flashing amber light, amber strobe light, or two two-way flashing amber lights at least four inches in diameter. These lights must be visible from at least 500 feet from the front and rear of the vehicle.

Permitted loads authorized to travel after daylight hours will be required to have lighting on any vehicle where the load extends to the rear four feet or more beyond the bed or body of the vehicle and must display at the extreme rear end of the load, two red lamps, two red reflectors located so as to indicate maximum width, and on each side one red lamp located so as to indicate maximum overhang.

Overwidth loads authorized to travel after daylight hours will require an amber clearance light on each front corner and a red clearance light on each rear corner of the load and display a revolving amber light, amber strobe light or two two-way flashing amber lights at least four inches in diameter on the vehicle, visible to both front and rear.

All oversize vehicles must have headlights and taillights lighted and visible during movement.

(g) Escort/Flagperson Requirements

Escorts are required on primary and secondary highways when movement is 110 feet or greater in length or 14 feet or greater in width, or will extend to the left of center during movement. Escorts are required on Interstate highways and on four lane roadways with a left turn center lane for widths of 15 feet or greater. Escorts for height on all highways and for length on interstate highways is at the discretion of the approving authority. If there is a 25-foot or greater rear overhang, an escort is required.

Escorts are required at the front and rear of agricultural movements exceeding 16 feet in width or that cannot be kept to the right of the highway center line.

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When approaching narrow bridges or other obstacles that post potential safety hazards, the escorted move must pull off the road and allow the escort to proceed ahead to stop traffic. Escorted movements must also move to the highway shoulder whenever traffic behind the movement becomes congested and shall let all following traffic pass. The escorted move may then proceed past the obstacle when safe to do so.

(h) Escort Car/Company Requirements

All escort vehicles must be properly licensed single vehicles. Motorcycles are not allowed.

Escort vehicles must be equipped with emergency triangles, extra OVERSIZE LOAD signs and flags, a fire extinguisher with a minimum five-pound capacity and a BC (flammable liquids and electrical equipment) multi-class rating.

Escort vehicles must travel approximately 1,000 feet from the oversized load to warn approaching traffic, but not so far ahead or behind as to lose control. The escorted movement and the escort vehicles shall be equipped with two-way radio communication, except when escorting oversize movements engaged in agricultural operations. Cellular telephones do not meet this requirement.

Escort car signs, flags, and lights

All escort vehicles must display OVERSIZE LOAD signs. The signs must be mounted in such a way that they are visible to approaching traffic, and must be at least five feet long and 10 inches high. The letters must be painted black with a one-inch brushstroke on a yellow background, and must measure at least eight inches high. Signs must be removed when not escorting loads.

Escort vehicles must conspicuously display clean red or fluorescent orange flags at each side of the required sign. Flags must be mounted on staffs and must be at least 12 inches square. Headlights and taillights on escort vehicles must be lighted at all times during the move.

Escort vehicles must display a revolving flashing amber light, amber strobe light, or two two-way flashing amber lights mounted on the roof of the vehicle. The lights must be at least four inches in diameter and must be visible for at least 500 feet to the front or rear of the vehicle.

(i) Travel Restrictions

The movement of any oversize load or vehicle under special permit may be made only during the daylight hours between one-half hour before sunrise and one-half hour after sunset, and when weather, highway and traffic conditions are favorable, except for the following:

- With permission of the Wyoming Highway Patrol;
- A single unit as part of a combination exceeding 60 feet in length, properly permitted, signed, and lighted as required provided the overall length of the combination does not exceed 100 feet; or
- A load up to 10 feet wide properly permitted and equipped as required on Interstate highways only.
- A single unit alone exceeding 60 feet in length, provided the total length does not exceed 75 feet.

It is the responsibility of the permit holder to determine if the height of the vehicle or load can traverse the proposed route safely without damaging overhead wires or structures. Should it be necessary to lift overhead wires, the utility in charge of such wires must be notified by the permit holder and all costs incurred shall be borne by the permit holder, unless the wires are lower than regulations require, in which case the utility will be responsible. All utilities, cities, and counties must be contacted for authorization to travel proposed route for loads exceeding 18 feet in height.

No escorted moves may be made during inclement weather, or on ice and snow covered highways. Inclement weather includes rain, fog, snow, and high wind conditions.

Overweight movements not exceeding 25,000 pounds on a single axle, 55,000 pounds on a tandem axle, and 65,000 pounds on a triple axle, or a gross weight of 150,000 pounds, may move at the discretion of permit-issuing authorities.

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Holidays

Oversize movements requiring escorts are prohibited from travel during local celebrations when heavy local traffic is anticipated, or on the following legal holidays:

New Year's Day	Labor Day
Memorial Day	Thanksgiving Day
Independence Day	Christmas Day

Movements requiring an escort will not be permitted to travel from one-half hour after sunset the evening before a holiday to one-half hour before sunrise the day after the holiday. When a holiday is combined with a weekend for a three-day weekend, restrictions will be in force from the day preceding the holiday weekend through sunrise the day following the holiday weekend. When a holiday falls on a Saturday, no move requiring escorts will be permitted from sunset Thursday to sunrise Monday, and when the holiday falls on a Sunday, no move requiring escorts will be allowed from sunset Friday to sunrise Tuesday.

Speed limits

Movements traveling at an average speed of less than 25 mph must display a slow moving vehicle emblem on the rear of the vehicle.

Convoys

Two oversize loads (each requiring an escort) may travel together on a two-lane highway at a distance of 1,000 feet apart with two escorts, one at the front of the first unit and one at the rear of the second unit. On interstate or four-lane highways, one escort to the rear of the second unit must be maintained.

A third unit traveling with the convoy must remain at a minimum distance of ½mile from the group and must have its own escorts. A convoy of four units may travel in groups of two separated by a distance of at least ½ mile and also must have its own escorts.

(j) Manufactured Housing Permits

Manufactured housing movements are covered by the permit classes described above.

(k) Annual, Extended, And/Or Other Permits

Extended permits are covered by the permit classes described above.

(l) Sealed Containerized Cargo Permits

Wyoming does not have special requirements concerning sealed containerized cargo permits.

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III. SUPER LOADS

All loads over legal size or weight limits must have prior approval. Loads without prior approval are subject to a citation.

Permits are obtained at the ports of entry or highway shops for oversize/overweight loads within the following size limits:

Size/Weight Condition	Limit
Width	18 ft
Height	17 ft
Length	110 ft, combination unit
Single axle	25,000 lb
Tandem axle	55,000 lb
Triple axle	65,000 lb
Gross vehicle weight	150,000 lb
Construction equipment with large tires	55,000 lb per single axle

For sizes and weights in excess of the above, contact the Overweight Loads Office in Cheyenne at (307) 777-4376.

Maximum permit limits are determined by axle configuration. Loads exceeding 250,000 pounds gross vehicle weight, axle group maximums, or interior bridge maximums are subject to a bridge review and a bridge analysis fee. Wyoming requests a two-week notice.

Vehicles must be licensed for the maximum legal weight they will haul. One hundred seventeen thousand (117,000) pounds is the maximum gross vehicle weight based on federal bridge formula Table I.

IV. AGENCY REFERENCES

(a) Size and Weights

Regulatory/Permit agency

Wyoming Department of Transportation, Overweight Loads Office
(307) 777-4376
www.whp.dot.state.wy.us/wydot/owl

Super loads

Wyoming State Highway Department
(307) 777-4376
www.whp.dot.state.wy.us/wydot/owl

Enforcement agency

Wyoming Highway Patrol, Highway Patrol Complex
(307) 777-4317
www.whp.dot.state.wy.us/wydot/

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I. ALABAMA

GROSS WEIGHT TABLE - STATE HIGHWAYS

Distance in feet between first and last axles of vehicle or combination of vehicles

	Maximum load in pounds on all the axles				
	2 axles	3 axles	4 axles	5 axles	6 axles
8 or less	36,000	42,000	42,000		
9	38,000	42,500	42,500		
10	40,000	43,500	43,500		
11		44,000	44,000		
12		45,000	50,000	50,000	
13		45,500	50,500	50,500	
14		46,500	51,500	51,500	
15		47,000	52,000	52,000	
16		48,000	52,500	58,000	58,000
17		48,500	53,500	58,500	58,500
18		49,500	54,000	59,000	59,000
19		50,000	54,500	60,000	60,000
20		51,000	55,500	60,500	66,000
21		51,500	56,000	61,000	66,500
22		52,500	56,500	61,500	67,000
23		53,000	57,500	62,500	68,000
24		54,000	58,000	63,000	68,500
25		54,500	58,500	63,500	69,000
26		56,000	59,500	64,000	69,500
27		57,000	60,000	65,000	70,000
28		59,000	60,500	65,500	71,000
29		60,000	61,500	66,000	71,500
30			62,000	66,500	72,000
31			63,500	67,000	72,500
32			64,500	68,000	73,500
33			65,000	69,000	74,000
34			65,500	70,000	74,500
35			66,500	71,000	75,000
36			67,000	72,000	76,000
37			68,000	73,000	77,000
38			69,000	74,000	78,000
39			70,000	75,000	79,000
40			71,000	76,000	80,000
41			72,000	77,000	81,000
42			73,000	78,000	82,000
43			74,000	79,000	83,000
44 and over			75,000	80,000	84,000

VEHICLE SIZES & WEIGHTS MANUAL

II. ALASKA

BRIDGE FORMULA CHART FOR GROSS VEHICLE WEIGHTS

1 of 2

11/01/00

WB/Axles	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Axles/WB
14	46500	51500	57000												14
15	47500	52000	57500												15
16	48000	52500	58000												16
17	49000	53500	58500												17
18	49500	54000	59500												18
19	50500	54500	60000												19
20	51000	55500	60500												20
21	52000	56000	61000												21
22	52500	56500	62000												22
23	53500	57500	62500												23
24	54000	58000	63000												24
25	55000	58500	63500												25
26	55500	59500	64500												26
27	56500	60000	65000												27
28	57000	60500	65500												28
29	58000	61500	66000												29
30	58500	62000	67000	72000											30
31	59500	62500	67500	72500											31
32	60000	63500	68000	73000											32
33	64000	68500	74000	74000											33
34	64500	69500	74500	75000											34
35	65500	70000	75000	75000											35
36	66000	70500	75500	75000											36
37	66500	71000	76000	76000											37
38	67500	72000	77000	77000											38
39	68000	72500	77500	77500											39
40	68500	73000	78000	78000											40
41	69500	73500	78500	78500											41
42	70000	74500	79000	79000											42
43	70500	75000	80000	80000											43
44	71500	75500	80500	80500											44
45	72000	76000	81000	85500	91500										45
46	72500	77000	81500	87000	92500										46
47	73500	77500	82000	87500	93000										47
48	74000	78000	83000	88000	93500										48
49	74500	78500	83500	88500	94000										49
50	75500	79500	84000	89000	94500										50
51		80000	84500	89000	95000										51
52		80500	85000	90500	95500										52
53		81000	86000	91000	96500										53
54		82000	86500	91500	97000										54
55		82500	87000	92000	97500										55
56		83000	87500	92500	98000										56
57		83500	88000	93500	98500										57
58		84500	89000	94000	99000										58
59		85000	89500	94500	99500										59
60		85500	90000	95000	100500	106000	111500	117000							60
61		86000	90500	95500	101000	106500	112000	117500							61
62		87000	91000	96000	101500	107000	112500	118000							62
63		87500	92000	97000	102000	107500	113000	118500							63
64		88000	92500	97500	102500	108000	113500	119000							64
65		88500	93000	98000	103000	108500	114000	120000							65
66		89500	93500	98500	103500	109000	114500	120500							66
67		90000	94000	99000	104500	109500	115000	121000							67
68		90500	95000	99500	105000	110500	116000	121500							68
69		91000	95500	100500	105500	111000	116500	122000							69
70		92000	96000	101000	106000	111500	117000	122500							70
71		92500	96500	101500	106500	112000	117500	123000							71
72		93000	97000	102000	107000	112500	118000	123500	129500	135000	141000	146500	152500		72
73		93500	98000	102500	107500	113000	118500	124000	130000	135500	141500	147000	153000		73
74		94500	98500	103000	108500	113500	119000	124500	130500	136000	142000	147500	153500		74
75		95000	99000	104000	109000	114000	119500	125500	131000	136500	142500	148000	154000		75
76			99500	104500	109500	115000	120000	126000	131500	137000	143000	148500	154500		76
77			100000	105000	110000	115500	121000	126500	132000	137500	143500	149500	155000		77
78			101000	105500	110500	116000	121500	127000	132500	138500	144000	150000	155500		78
79			101500	106000	111000	116500	122000	127500	133000	139000	144500	150500	156000		79
80			102000	106500	111500	117000	122500	128000	133500	139500	145000	151000	156500		80
81			102500	107500	112500	117500	123000	128500	134000	140000	145500	151500	157000		81
82			103000	108000	113000	118000	123500	129000	134500	140500	146000	152000	157500		82
83			104000	108500	113500	118500	124000	129500	135500	141000	146500	152500	158500		83

VEHICLE SIZES & WEIGHTS MANUAL

BRIDGE FORMULA CHART FOR GROSS VEHICLE WEIGHTS

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11/01/00

WB/Axles	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Axles/WB
84				104500	109000	114000	119500	124500	130000	136000	141500	147000	153000	159000	84
85				105000	109500	114500	120000	125000	131000	136500	142000	148000	153500	159500	85
86				105500	110000	115000	120500	126000	131500	137000	142500	148500	154000	160000	86
87				106000	111000	115500	121000	126500	132000	137500	143000	149000	154500	160500	87
88				107000	111500	116500	121500	127000	132500	138000	143500	149500	155000	161000	88
89				107500	112000	117000	122000	127500	133000	138500	144000	150000	155500	161500	89
90				108000	112500	117500	122500	128000	133500	139000	145000	150500	156000	162000	90
91				108500	113000	118000	123000	128500	134000	139500	145500	151000	157000	162500	91
92				109000	113500	118500	124000	129000	134500	140000	146000	151500	157500	163000	92
93				110000	114500	119000	124500	129500	135000	140500	146500	152000	158000	163500	93
94				110500	115000	119500	125000	130000	135500	141500	147000	152500	158500	164000	94
95				111000	115500	120500	125500	131000	136500	142000	147500	153000	159000	164500	95
96				111500	116000	121000	126000	131500	137000	142500	148000	153500	159500	165000	96
97				112000	116500	121500	126500	132000	137500	143000	148500	154000	160000	165500	97
98				113000	117000	122000	127000	132500	138000	143500	149000	155000	160500	166500	98
99				113500	118000	122500	127500	133000	138500	144000	149500	155500	161000	167000	99
100				114000	118500	123000	128500	133500	139000	144500	150000	156000	161500	167500	100
101				114500	119000	123500	129000	134000	139500	145000	150500	156500	162000	168000	101
102				115000	119500	124500	129500	134500	140000	145500	151500	157000	162500	168500	102
103				116000	120000	125000	130000	135000	140500	146000	152000	157500	163000	169000	103
104				116500	120500	125500	130500	136000	141000	146500	152500	158000	163500	169500	104
105				117000	121500	126000	131000	136500	142000	147500	153000	158500	164500	170000	105
106				117500	122000	126500	131500	137000	142500	148000	153500	159000	165000	170500	106
107				118000	122500	127000	132000	137500	143000	148500	154000	159500	165500	171000	107
108				119000	123000	127500	133000	138000	143500	149000	154500	160000	166000	171500	108
109				119500	123500	128500	133500	138500	144000	149500	155000	160500	166500	172000	109
110				120000	124000	129000	134000	139000	144500	150000	155500	161000	167000	172500	110
111				120500	125000	129500	134500	139500	145000	150500	156000	162000	167500	173000	111
112				121000	125500	130000	135000	140000	145500	151000	156500	162500	168000	173500	112
113				122000	126000	130500	135500	141000	146000	151500	157000	163000	168500	174500	113
114				122500	126500	131000	136000	141500	146500	152000	158000	163500	169000	175000	114
115				123000	127000	131500	136500	142000	147500	152500	158500	164000	169500	175500	115
116				123500	127500	132500	137500	142500	148000	153500	159000	164500	170000	176000	116
117				124000	128500	133000	138000	143000	148500	154000	159500	165000	170500	176500	117
118				125000	129000	133500	138500	143500	149000	154500	160000	165500	171000	177000	118
119				125500	129500	134000	139000	144000	149500	155000	160500	166000	172000	177500	119
120				126000	130000	134500	139500	144500	150000	155500	161000	166500	172500	178000	120
121				126500	130500	135000	140000	145000	150500	156000	161500	167000	173000	178500	121
122				127000	131000	135500	140500	146000	151000	156500	162000	167500	173500	179000	122
123				128000	132000	136500	141000	146500	151500	157000	162500	168000	174000	179500	123
124				128500	132500	137000	142000	147000	152000	157500	163000	169000	174500	180000	124
125				129000	133000	137500	142500	147500	153000	158000	163500	169500	175000	180500	125
126				129500	133500	138000	143000	148000	153500	158500	164500	170000	175500	181000	126
127				130000	134000	138500	143500	148500	154000	159500	165000	170500	176000	181500	127
128				131000	134500	139000	144000	149000	154500	160000	165500	171000	176500	182500	128
129				131500	135500	139500	144500	149500	155000	160500	166000	171500	177000	183000	129
130				132000	136000	140500	145000	150000	155500	161000	166500	172000	177500	183500	130
131				132500	136500	141000	145500	151000	156000	161500	167000	172500	178000	184000	131
132				133000	137000	141500	146500	151500	156500	162000	167500	173000	178500	184500	132
133				134000	137500	142000	147000	152000	157000	162500	168000	173500	179500	185000	133
134				134500	138000	142500	147500	152500	157500	163000	168500	174000	180000	185500	134
135				135000	139000	143000	148000	153000	158500	163500	169000	174500	180500	186000	135
136				135500	139500	143500	148500	153500	159000	164000	169500	175000	181000	186500	136
137				136000	140000	144500	149000	154000	159500	164500	170000	176000	181500	187000	137
138				137000	140500	145000	149500	154500	160000	165500	171000	176500	182000	187500	138
139				137500	141000	145500	150000	155000	160500	166000	171500	177000	182500	188000	139
140				138000	141500	146000	151000	156000	161000	166500	172000	177500	183000	188500	140
141				138500	142500	146500	151500	156500	161500	167000	172500	178000	183500	189000	141
142				139000	143000	147000	152000	157000	162000	167500	173000	178500	184000	189500	142
143				140000	143500	147500	152500	157500	162500	168000	173500	179000	184500	190500	143
144				140500	144000	148500	153000	158000	163000	168500	174000	179500	185000	191000	144
145				141000	144500	149000	153500	158500	164000	169000	174500	180000	185500	191500	145
146				141500	145000	149500	154000	159000	164500	169500	175000	180500	186000	192000	146
147				142000	146000	150000	154500	159500	165000	170000	175500	181000	187000	192500	147
148				143000	146500	150500	155500	160000	165500	170500	176000	181500	187500	193000	148
149				143500	147000	151000	156000	161000	166000	171500	176500	182000	188000	193500	149
150				144000	147500	151500	156500	161500	166500	172000	177500	183000	188500	194000	150

VEHICLE SIZES & WEIGHTS MANUAL

III. ARIZONA

See "Arizona" tab for weight limits.

IV. ARKANSAS

Arkansas uses the federal bridge formula to determine maximum gross vehicle weight and maximum axle group weight limits on Arkansas highways.

V. CALIFORNIA

Federal Bridge Formula Modified by California Vehicle Code Section 35551.

Except as otherwise provided in the following table, or in California Vehicle Code Section 35551.5, the total gross weight in pounds imposed on the highway by any group of two or more consecutive axles shall not exceed that given for the respective distance in the following table:

Gross weight table

Distance in feet between the extremes of any group of 2 or more consecutive axles	Maximum load in pounds on all the axles				
	2 axles	3 axles	4 axles	5 axles	6 axles
4	34,000				
5	34,000				
6	34,000				
7	34,000				
8	34,000				
9	39,000	42,500	42,500	42,500	42,500
10	40,000	43,500	43,500	43,500	43,500
11	40,000	44,000	44,000	44,000	44,000
12	40,000	45,000	50,000	50,000	50,000
13	40,000	45,500	50,500	50,500	50,500
14	40,000	46,500	51,500	51,500	51,500
15	40,000	47,000	52,000	52,000	52,000
16	40,000	48,000	52,500	52,500	52,500
17	40,000	48,500	53,500	53,500	53,500
18	40,000	49,500	54,000	54,000	54,000
19	40,000	50,000	54,500	54,500	54,500
20	40,000	51,000	55,500	55,500	55,500
21	40,000	51,500	56,000	56,000	56,000
22	40,000	52,500	56,500	56,500	56,500
23	40,000	53,000	57,500	57,500	57,500
24	40,000	54,000	58,000	58,000	58,000
25	40,000	54,500	58,500	58,500	58,500
26	40,000	55,500	59,500	59,500	59,500
27	40,000	56,000	60,000	60,000	60,000
28	40,000	57,000	60,500	60,500	60,500
29	40,000	57,500	61,500	61,500	61,500

VEHICLE SIZES & WEIGHTS MANUAL

Gross weight table, Continued

Distance in feet between the extremes of any group of 2 or more consecutive axles	Maximum load in pounds on all the axles				
	2 axles	3 axles	4 axles	5 axles	6 axles
30	40,000	58,500	62,000	62,000	62,000
31	40,000	59,000	62,500	62,500	62,500
32	40,000	60,000	63,500	63,500	63,500
33	40,000	60,000	64,000	64,000	64,000
34	40,000	60,000	64,500	64,500	64,500
35	40,000	60,000	65,500	65,500	65,500
36	40,000	60,000	66,000	66,000	66,000
37	40,000	60,000	66,500	66,500	66,500
38	40,000	60,000	67,500	67,500	67,500
39	40,000	60,000	68,000	68,000	68,000
40	40,000	60,000	68,500	70,000	70,000
41	40,000	60,000	69,500	72,000	72,000
42	40,000	60,000	70,000	73,280	73,280
43	40,000	60,000	70,500	73,280	73,280
44	40,000	60,000	71,500	73,280	73,280
45	40,000	60,000	72,000	76,000	80,000
46	40,000	60,000	72,500	76,500	80,000
47	40,000	60,000	73,500	77,500	80,000
48	40,000	60,000	74,000	78,000	80,000
49	40,000	60,000	74,500	78,500	80,000
50	40,000	60,000	75,500	79,000	80,000
51	40,000	60,000	76,000	80,000	80,000
52	40,000	60,000	76,500	80,000	80,000
53	40,000	60,000	77,500	80,000	80,000
54	40,000	60,000	78,000	80,000	80,000
55	40,000	60,000	78,500	80,000	80,000
56	40,000	60,000	79,500	80,000	80,000
57	40,000	60,000	80,000	80,000	80,000
58	40,000	60,000	80,000	80,000	80,000
59	40,000	60,000	80,000	80,000	80,000
60	40,000	60,000	80,000	80,000	80,000

Alternate method of computation of allowable gross weight (California Vehicle Code Section 35551.5)

**Distance in feet
between first and
last axles of group**

Allowed load in pounds on group of axles

4	32,000
5	32,000
6	32,200
7	32,900
8	33,600
9	34,300

VEHICLE SIZES & WEIGHTS MANUAL

Alternate method of computation of allowable gross weight (California Vehicle Code Section 35551.5), Continued

Distance in feet between first and last axles of group	Allowed load in pounds on group of axles
10	35,000
11	35,700
12	36,400
13	37,100
14	43,200
15	44,000
16	44,800
17	45,600
18	46,400

The total gross weight with load imposed on the highway by any vehicle in such combination of vehicles or of such combination of vehicles where the distance between the first and last axles is more than 18 feet shall not exceed that given for the respective distances in the following table:

Distance in feet	Allowed load in pounds
19	47,200
20	48,000
21	48,800
22	49,600
23	50,400
24	51,200
25	55,250
26	56,100
27	56,950
28	57,800
29	58,650
30	59,500
31	60,350
32	61,200
33	62,050
34	62,900
35	63,750
36	64,600
37	65,450
38	66,300
39	68,000
40	70,000
41	72,000
42	73,280
43	73,280
44	73,280
45	73,280
46	73,280
47	73,280

VEHICLE SIZES & WEIGHTS MANUAL

Distance in feet	Allowed load in pounds
48	73,280
49	73,280
50	73,280
51	73,280
52	73,600
53	74,400
54	75,200
55	76,000
56 or over	76,800

VI. Colorado

INTERSTATE HIGHWAYS

GROSS WEIGHT FORMULA: The maximum weight of any vehicle or combination of vehicles may not exceed that which is determined by the formula:

$$W=500 \left[\frac{LN}{N-1} + 12N + 36 \right]$$

up to a maximum of 80,000 pounds, where W equals the overall gross weight on any group of two or more consecutive axles to the nearest 500 lb, L is the distance in feet between the extremes of any group of two or more consecutive axles, and N equals the number of axles in the group under consideration.

Where a combination of vehicles is used, a vehicle must not carry a gross weight of less than 10% of the overall gross weight of the combination.

State Highways

Formula: the maximum weight of any combination of vehicles (tractor-trailer) may not exceed that which is determined by the formula:

$$W = 1000 (L + 40)$$

where W is the gross weight in pounds and L is the length in feet between the centers of the first and last axles of such vehicle or combination of vehicles; gross weight must not exceed 85,000 pounds.

Where a combination of vehicles is used, a vehicle must not carry a gross weight of less than 10% of the overall gross weight of the combination.

All partial numbers arrived at during computations were rounded to the next higher whole number prior to proceeding to the next step of the equation.

VEHICLE SIZES & WEIGHTS MANUAL

LONGER VEHICLE COMBINATIONS

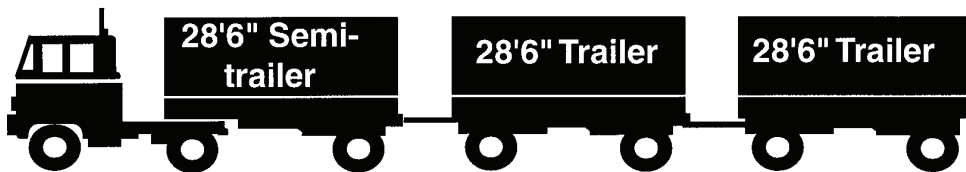
A Longer Vehicle Combination (LVC) (**C.R.S. 42-4-505**) shall not have more than three cargo units, fewer than six axles nor more than nine axles. The heaviest gross weight shall be hauled in the first semitrailer. LVCs must obtain a special permit and may only travel on designated routes. LVCs, except the "Truck with Trailer" combination, have no overall length limitation. Vehicle weight (GVW) is 80,000 pounds (36,288 kg) unless an overweight permit is purchased. **C.R.S. 42-4-510(11)** The metric equivalents are not part of the statutory references, but are displayed only for informational purposes.



An unladen truck tractor, one semitrailer which shall not exceed 48' (14.63 meters) and one trailer which shall not exceed 28' 6" (8.68 meters). The shorter trailer shall be operated as the rear trailer. The common name for this combination is "Rocky Mountain Double." **C.R.S. 42-4-505 (2)(c)**



An unladen truck tractor, one semitrailer and trailer which shall be of approximately equal lengths not to exceed 48' (14.63 meters). This combination may operate with up to eleven axles provided that the trailers are empty. The common name for this combination is "Turnpike Double." **C.R.S. 42-4-505 (2)(b)**



An unladen truck tractor, one semitrailer and two trailers which shall be of approximately equal lengths not to exceed 28' 6" (8.68 meters). The common name for this combination is "Triple." **C.R.S. 42-4-505 (2)(a)**



One single unit truck and trailer which shall not exceed 85' (25.91 meters). The truck shall not be more than 35' (10.67 meters) and the trailer not more than 40' (12.19 meters). The common name for this combination is "Truck With Trailer." **C.R.S. 42-4-505 (2)(d)**

VEHICLE SIZES & WEIGHTS MANUAL

VII. Connecticut

Connecticut Bridge Formula

L = DISTANCE IN FEET BETWEEN THE EXTREMES OF ANY GROUP OF TWO OR MORE CONSECUTIVE AXLES.

N = NUMBER OF AXLES IN ANY GROUP UNDER CONSIDERATION.

W = MAXIMUM WEIGHT IN POUNDS CARRIED ON ANY GROUP OF TWO OR MORE AXLES COMPUTED TO THE NEAREST 500 POUNDS.

DISTANCE IN FEET BETWEEN THE EXTREMES OF ANY GROUP OF 2 OR MORE CONSECUTIVE AXLES MAXIMUM LOAD IN POUNDS CARRIED ON ANY GROUP OF 2 OR MORE CONSECUTIVE AXLES.

DISTANCE IN FEET BETWEEN THE EXTREMES OF ANY GROUP OF 2 OR MORE CONSECUTIVE AXLES

AXLES	2 AXLES	3 AXLES	4 AXLES	5 AXLES	6 AXLES	7 AXLES
4	36,000					
5	36,000					
6	36,000					
7	36,000					
8	36,000	42,000				
9	39,000	42,500				
10	40,000	43,500				
11		44,000				
12		45,000	50,000			
13		45,500	50,500			
14		46,500	51,500			
15		47,000	52,000			
16		48,000	52,500	58,000		
17		48,500	53,500	58,500		
18		49,500	54,000	59,000		
19		50,000	54,500	60,000		
20		51,000	55,500	60,500	66,000	
21		51,500	56,000	61,000	66,500	
22		52,500	56,500	61,500	67,000	
23		53,000	57,500	62,500	68,000	
24		54,000	58,000	63,000	68,500	74,000
25		54,500	58,500	64,500	69,000	74,500
26		55,500	59,500	65,000	69,500	75,000
27		56,000	60,000	65,000	70,000	75,500
28		57,000	60,500	65,500	71,000	76,500
29		57,500	61,500	66,000	71,500	77,000
30		58,500	62,000	66,500	72,000	77,500
31		59,000	62,500	67,500	72,500	78,000
32		60,000	63,500	68,000	73,000	78,500
33			64,000	68,500	74,000	79,000
34			64,500	69,000	74,500	80,000
35			65,500	70,000	75,000	
36			66,000	70,500	75,500	
37			66,500	71,000	76,000	
38			67,500	72,000	77,000	
39			68,000	72,500	77,500	
40			68,500	73,000	78,000	
41			69,500	73,500	78,500	
42			70,000	74,000	79,000	
43			70,500	75,000	80,000	
44			71,500	75,500		
45			72,000	76,000		
46			72,500	76,500		
47			73,500	77,500		
48			74,000	78,000		
49			74,500	78,500		
50			75,500	79,000		
51			76,000	80,000		
52			76,500			
53			77,500			
54			78,000			
55			78,500			
56			79,500			
57			80,000			

VEHICLE SIZES & WEIGHTS MANUAL

VIII. Delaware

Table for maximum gross weights on non-interstate roads

Distance in feet between the extremes of any group of 2 or more consecutive axles	Maximum Load in Pounds Carried on Any Group of 2 or More Consecutive Axles					
	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles
4	34,000					
5	34,000					
6	34,000					
7	34,000					
8	36,000	42,000				
9	39,000	42,500				
10	40,000	43,500				
11		44,000				
12		45,000	50,000			
13		45,500	50,500			
14		46,500	51,500			
15		47,000	52,000			
16		48,000	52,500	58,000		
17		48,500	53,500	58,500		
18		49,500	54,000	59,000		
19		50,000	54,500	60,000		
20		51,000	55,500	60,500	66,000	
21		51,500	56,000	61,000	66,500	
22		52,500	56,500	61,500	67,000	
23		53,000	57,500	62,500	68,000	
24		54,000	58,000	63,000	68,500	74,000
25		54,500	58,500	64,000	69,000	74,500
26		55,500	59,500	64,500	69,500	75,000
27		56,000	60,000	65,000	70,000	75,500
28		57,000	60,500	65,500	71,500	76,500
29		57,500	61,500	66,000	71,500	77,000
30		58,500	62,000	66,500	72,000	77,500
31		59,000	62,500	67,500	72,500	78,000
32		60,000	63,500	68,000	73,000	78,500
33			64,000	68,500	74,000	79,000
34			64,500	69,000	74,500	80,000
35			65,500	70,000	75,000	
36			66,200	70,700	75,500	
37			67,200	71,500	76,000	
38			68,100	72,000	77,000	
39			69,000	73,000	77,500	
40			69,000	73,280	78,000	
41			69,500	73,500	78,500	
42			70,000	74,000	79,000	
43				75,000	80,000	
44				75,500		

VEHICLE SIZES & WEIGHTS MANUAL

Table for maximum gross weights on non-interstate roads, Continued

Distance in feet between the extremes of any group of 2 or more consecutive axles	Maximum Load in Pounds Carried on Any Group of 2 or More Consecutive Axles					
	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles
45				76,000		
46				76,500		
47				77,500		
48				78,000		
49				78,500		
50				79,000		
51				80,000		

IX. District of Columbia

Gross weight table for all highways

Distance in feet between the extremes of any group of two or more consecutive axles	Maximum weight in pounds for any group of two or more consecutive axles (wheelbases)				
	2 axles	3 axles	4 axles	5 axles	6 axles
4	37,000				
5	37,000				
6	37,000				
7	37,000				
8	37,000	37,000			
9	38,000	41,500			
10	39,000	42,500			
11	40,000	43,000			
12	41,000	44,000	49,000		
13	42,000	44,500	49,500		
14	43,000	45,500	50,500		
15		46,000	51,000		
16		47,000	51,500	57,000	
17		47,500	52,500	57,500	
18		48,500	53,000	58,000	
19		49,000	53,500	59,000	
20		50,000	54,500	59,500	65,000
21		50,500	55,000	60,000	65,500
22		51,500	55,500	60,500	66,000
23		52,000	56,500	61,500	67,000
24		53,000	57,000	62,000	67,500
25		53,500	57,500	62,500	68,000
26		54,500	58,500	63,000	68,500
27		55,000	59,000	64,000	69,000
28		56,000	59,500	64,500	70,000
29		56,500	60,500	65,000	70,500

VEHICLE SIZES & WEIGHTS MANUAL

Gross weight table for all highways, Continued

Distance in feet between the extremes of any group of two or more consecutive axles	Maximum weight in pounds for any group of two or more consecutive axles (wheelbases)				
	2 axles	3 axles	4 axles	5 axles	6 axles
30		57,500	61,000	65,500	71,000
31		58,000	61,500	66,500	71,500
32		59,000	62,500	67,000	72,000
33		59,500	63,000	67,500	73,000
34		60,500	63,500	68,000	73,500
35		61,000	64,500	69,000	74,000
36		62,000	65,000	69,500	74,500
37		62,500	65,500	70,000	75,000
38		63,500	66,500	71,000	76,000
39		64,000	67,000	71,500	76,500
40		65,000	67,500	72,000	77,000
41			68,500	72,500	77,500
42			69,000	73,000	78,000
43			69,500	74,000	79,000
44			70,500	74,500	79,000
45			71,000	75,000	79,000
46			71,500	75,500	79,000
47			72,500	76,500	79,000
48			73,000	77,000	79,000
49			73,500	77,500	79,000
50			74,500	78,000	79,000
51			75,000	79,000	79,000

X. Florida

Maximum legal weight based on the distance from the truck's front axle to rear axle.

The table below is not applicable when the amount listed on the tag registration is less than the legal maximum weight provided below. This Table is also for some single unit trucks and certain tractor trailers. (Single axle — 22,000 pounds, Tandem axle — 44,000 pounds)

Distance in feet between first & last axle*	Maximum gross weight allowed on all axles with 10% scale tolerance	Distance in feet between first & last axle*	Maximum gross weight allowed on all axles with 10% scale tolerance
4	44,000	13	52,228
5	44,000	14	53,141
6	44,000	15	54,065
7	44,000	16	54,978
8	44,000	17	55,891
9	48,554	18	56,804
10	49,478	19	57,728
11	50,391	20	58,641
12	51,304	21	59,554

VEHICLE SIZES & WEIGHTS MANUAL

Distance in feet between first & last axle*	Maximum gross weight allowed on all axles with 10% scale tolerance	Distance in feet between first & last axle*	Maximum gross weight allowed on all axles with 10% scale tolerance
22	60,478	31	68,717
23	61,391	32	69,641
24	62,304	33	70,554
25	63,217	34	71,467
26	64,141	35	72,380
27	65,054	36 and over	73,271
28	65,967		
29	66,891		
30	67,804		

*This is the overall distance and includes any combination of units.

Maximum legal weight based on the total number of axles and the distance between the axles, or sets of axles.

The table below is not applicable when the amount listed on the tag registration is less than the legal maximum weight provided below. (Use this for gross and inner-bridge weights)

Distance in feet between any group of two or more consecutive axles	Maximum weight allowed on this number of axles (In pounds) (10% tolerance included)					
	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles
4	44,000					
5	44,000					
6	44,000					
7	44,000					
8	44,000	44,000				
9	44,000	44,000				
10	44,000	44,000				
11	44,000	44,500				
12	44,000	45,000	50,000			
13	44,000	46,000	50,500			
14	44,000	46,500	51,500			
15	44,000	47,500	52,000			
16	44,000	48,000	52,500	58,000		
17	44,000	49,000	53,500	58,500		
18	44,000	49,500	54,000	59,500		
19	44,000	50,500	54,500	60,000		
20	44,000	51,000	55,500	60,500	66,000	
21	44,000	52,000	56,000	61,000	66,500	
22	44,000	52,500	56,500	62,000	67,000	
23	44,000	53,500	57,500	62,500	68,000	
24	44,000	54,500	58,000	63,000	68,500	74,000
25	44,000	55,000	58,500	63,500	69,000	74,500
26	44,000	55,500	59,500	64,500	69,500	75,000
27	44,000	56,500	60,000	65,000	70,000	76,000
28	44,000	57,000	60,500	65,500	71,000	76,500

VEHICLE SIZES & WEIGHTS MANUAL

Maximum legal weight based on the total number of axles and the distance between the axles, or sets of axles., Continued

The table below is not applicable when the amount listed on the tag registration is less than the legal maximum weight provided below. (Use this for gross and inner-bridge weights)

Distance in feet between any group of two or more consecutive axles	Maximum weight allowed on this number of axles (In pounds) (10% tolerance included)					
	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles
29	44,000	58,000	61,500	66,000	71,500	77,000
30	44,000	58,500	62,000	67,000	72,000	77,500
31	44,000	59,500	62,500	67,500	72,500	78,000
32	44,000	60,000	63,500	68,000	73,000	78,500
33	44,000	61,000	64,000	68,500	74,000*	79,500
34	44,000	61,500	64,500	69,500	74,500	80,000
35	44,000	62,500	65,500	70,000	75,000	
36	44,000	63,000	68,000	70,500	75,500	
37	44,000	64,000	68,000	71,000	76,000	
38	44,000	64,500	68,000	72,000	77,000	
39	44,000	65,500	68,000	72,500	77,500	
40	44,000	66,000	68,500	73,000	78,000	
41	44,000		69,500	73,500*	78,500	
42	44,000		70,000	74,500	79,000	
43	44,000		70,500	75,000	80,000	
44	44,000		71,500	75,500		
45	44,000		72,000	76,000		
46	44,000		72,500	77,000		
47	44,000		73,500*	77,500		
48	44,000		74,000	78,000		
49	44,000		74,500	78,500		
50	44,000		75,500	79,500		
51	44,000		76,000	80,000		

*WARNING: You may be legal on gross weight, but not on inner-bridge. So be sure to check those weights before using the Interstate Highways. (10% tolerance is included)

XI. Georgia

Georgia uses the federal bridge formula to determine maximum gross vehicle weight and maximum axle group weight limits on Georgia highways.

XII. Hawaii

On non-interstate highways, the total gross weight, in pounds, imposed on any public road, street, or highway, other than interstate highways, within the state by a vehicle or combinations of vehicles shall not exceed that determined by the formula:

$$W = 900 (L + 40)$$

When the distance between the first and last axle is at least 8 feet and over and where W = maximum weight in pounds rounded to the nearest 500 lb. L = Distance in feet between the extremes of any group of two or more consecutive axles, to the nearest foot; provided, also that the overall gross weight does not exceed 88,000 pounds.

VEHICLE SIZES & WEIGHTS MANUAL

XIII. Idaho

Weight Limits on Interstate System Routes for Special Products*

*Special Products Include: Logs, pulpwood, stull, poles or piling; Ores, concentrates, sand & gravel, and aggregates thereof, in bulk; Unprocessed agricultural products, including livestock.

Legal Allowable Gross Loads

Maximum Load in Pounds Carried on any Group of Two or More Consecutive Axles

	Column A	Column B			Column A	Column B
Distance in feet between first and last axle of any group of consecutive axles	Vehicles with three or four axles	Vehicles with five or more axles		Distance in feet between first and last axle of any group of consecutive axles	Vehicles with three or four axles	Vehicles with five or more axles
Single Axle Weight	20,000	20,000		28	66,000	70,950
3 thru 12	37,800	37,800		29	66,000	71,500
13	56,470	56,470		30	66,000	72,050
14	57,940	57,940		31		72,600
15	59,400	59,400		32		73,150
16	60,610	60,610		33		73,700
17	61,820	61,820		34		74,250
18	63,140	63,140		35		74,800
19	64,350	64,350		36		75,350
20	65,450	65,450		37		75,900
21	66,000	66,330		38		76,450
22	66,000	67,250		39		77,000
23	66,000	67,880		40		77,550
24	66,000	68,510		41		78,100
25	66,000	69,150		42		78,650
26	66,000	69,770		43+		79,000
27	66,000	70,400				

VEHICLE SIZES & WEIGHTS MANUAL

Reserved

VEHICLE SIZES & WEIGHTS MANUAL

(b) Weight Limits for Loads Exceeding 79,000 Pounds on Interstate & 80,000 Pounds on Non-Interstate Routes

Legal Allowable Gross Loads

Maximum Load in Pounds Carried on any Group of Two or More Consecutive Axles

Distance in feet between first and last axle of any group of consecutive axles	Excess Weight Permits on Interstate Highways if Over 80,000 lbs							
	Column C 2 axles	Column D 3 axles	Column E 4 axles	Column F 5 axles	Column G 6 axles	Column H 7 axles	Column I 8 axles	Column J 9 axles
Single Axle Weight	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000
4	34,000							
5	34,000							
6	34,000							
7	34,000							
8	34,000							
8+	38,000	42,000						
9	39,000	42,500						
10	40,000	43,500						
11		44,000						
12		45,000	50,000					
13		45,500	50,500					
14		46,500	51,500					
15		47,000	52,000					
16		48,000	52,500	58,000				
17		48,500	53,500	58,500				
18		49,500	54,000	59,000				
19		50,000	54,500	60,000				
20		51,000	55,500	60,500	66,000			
21		51,500	56,000	61,000	66,500			
22		52,500	56,500	61,500	67,000			
23		53,000	57,500	62,500	68,000			
24		54,000	58,000	63,000	68,500	74,000		
25		54,500	58,500	63,500	69,000	74,500		
26		55,500	59,500	64,000	69,500	75,000		
27		56,000	60,000	65,000	70,000	75,500		
28		57,000	60,500	65,500	71,000	76,500	82,000	
29		57,500	61,500	66,000	71,500	77,000	82,500	
30		58,500	62,000	66,500	72,000	77,500	83,000	
31		59,000	62,500	67,500	72,500	78,000	83,500	
32		60,000	63,500	68,000	73,000	78,500	84,500	90,000
33			64,000	68,500	74,000	79,000	85,000	90,500
34			64,500	69,000	74,500	80,000	85,500	91,000
35			65,500	70,000	75,000	80,500	86,000	91,500

VEHICLE SIZES & WEIGHTS MANUAL

Legal Allowable Gross Loads, Continued

Maximum Load in Pounds Carried on any Group of Two or More Consecutive Axles

Distance in feet between first and last axle of any group of consecutive ax- les	Excess Weight Permits on Interstate Highways if Over 80,000 lbs							
	Column C 2 axles	Column D 3 axles	Column E 4 axles	Column F 5 axles	Column G 6 axles	Column H 7 axles	Column I 8 axles	Column J 9 axles
36			68,000	70,500	75,500	81,000	86,500	92,000
37			68,000	71,000	76,000	81,500	87,000	93,000
38		[Note 1]	68,000	71,500	77,000	82,000	87,500	93,500
39			68,000	72,500	77,500	82,500	88,500	94,000
40			68,500	73,000	78,000	83,500	89,000	94,500
41			69,500	73,500	78,500	84,000	89,500	95,000
42			70,000	74,000	79,000	84,500	90,000	95,500
43			70,500	75,000	80,000	85,000	90,500	96,000
44			71,500	75,500	80,500	85,500	91,000	96,500
45			72,000	76,000	81,000	86,000	91,500	97,500
46			72,500	76,500	81,500	87,000	92,500	98,000
47			73,500	77,500	82,000	87,500	93,000	98,500
48			74,000	78,000	83,000	88,000	93,500	99,000
49			74,500	78,500	83,500	88,500	94,000	99,500
50			75,500	79,000	84,000	89,000	94,500	100,000
51			76,000	80,000	84,500	89,500	95,000	100,500
52			76,500	80,500	85,000	90,500	95,500	101,000
53			77,500	81,000	86,000	91,000	96,500	102,000
54			78,000	81,500	86,500	91,500	97,000	102,500
55			78,500	82,500	87,000	92,000	97,500	103,000
56			79,500	83,000	87,500	92,500	98,000	103,500
57		[Note 2]	80,000	83,500	88,000	93,000	98,500	104,000
58				84,000	89,000	94,000	99,000	104,500
59				85,000	89,500	94,500	99,500	105,000
60				85,500	90,000	95,000	100,500	105,500
61				86,000	90,500	95,500	101,000	105,500
62				87,000	91,000	96,000	101,500	105,500
63				87,500	92,000	96,500	102,000	105,500
64				88,000	92,500	97,500	102,500	105,500
65				88,500	93,000	98,000	103,000	105,500
66				89,500	93,500	98,500	103,500	105,500
67				90,000	94,000	99,000	104,500	105,500
68				90,500	95,000	99,500	105,000	105,500
69				91,000	95,500	100,000	105,500	105,500
70				92,000	96,000	101,000	105,500	105,500
71				92,500	96,500	101,500	105,500	105,500
72				93,000	97,000	102,000	105,500	105,500
73				93,500	98,000	102,500	105,500	105,500

VEHICLE SIZES & WEIGHTS MANUAL

Legal Allowable Gross Loads, Continued

Maximum Load in Pounds Carried on any Group of Two or More Consecutive Axles

Distance in feet between first and last axle of any group of consecutive axles	Excess Weight Permits on Interstate Highways if Over 80,000 lbs							
	Column C 2 axles	Column D 3 axles	Column E 4 axles	Column F 5 axles	Column G 6 axles	Column H 7 axles	Column I 8 axles	Column J 9 axles
74				94,500	98,500	103,000	105,500	105,500
75				95,000	99,000	103,500	105,500	105,500
76				95,500	99,500	104,500	105,500	105,500
77				96,000	100,000	105,000	105,500	105,500
78				97,000	101,000	105,500	105,500	105,500
79				97,500	101,500	105,500	105,500	105,500
80				98,000	102,000	105,500	105,500	105,500
81				98,500	102,500	105,500	105,500	105,500
82				99,000	103,000	105,500	105,500	105,500
83				100,000	104,000	105,500	105,500	105,500
84					104,500	105,500	105,500	105,500
85					105,000	105,500	105,500	105,500
86 or more					105,500	105,500	105,500	105,500

Note 1: An exception to the formula which computes the weight limits of Columns C through J provides that axle groups consisting of two tandems in an overall spacing of 36 feet may have a total loading of 68,000 pounds; 34,000 pounds per tandem.

Note 2: The extra length vehicle combination must be registered for the maximum gross weight when exceeding 80,000 pounds and must purchase an annual excess weight permit. When calculating legal weight limits, the distance between axles shall be measured to the nearest foot. When a fraction is exactly 1/2 foot, the next larger whole number shall be used.

Weight Limits, up to 80,000 Pounds for All Commodities on Non-Interstate System Routes

Legal Allowable Gross Loads

Maximum Load in Pounds Carried on any Group of Two or More Consecutive Axles

	Column K	Column L		Column K	Column L
Distance in feet between first and last axle of any group of consecutive axles	Vehicles with Three or Four Axles	Vehicles with Five or more Axles	Distance in feet between first and last axle of any group of consecutive axles	Vehicles with Three or Four Axles	Vehicles with Five or more Axles
Single Axle Weight	20,000	20,000	28	66,000	70,950
3 thru 12	37,800	37,800	29	66,000	71,500
13	56,470	56,470	30	66,000	72,050
14	57,940	57,940	31		72,600

VEHICLE SIZES & WEIGHTS MANUAL

Legal Allowable Gross Loads, Continued

Maximum Load in Pounds Carried on any Group of Two or More Consecutive Axles

	Column K	Column L			Column K	Column L
Distance in feet between first and last axle of any group of consecutive axles	Vehicles with Three or Four Axles	Vehicles with Five or more Axles		Distance in feet between first and last axle of any group of consecutive axles	Vehicles with Three or Four Axles	Vehicles with Five or more Axles
15	59,400	59,400		32		73,150
16	60,610	60,610		33		73,700
17	61,820	61,820		34		74,250
18	63,140	63,140		35		74,800
19	64,350	64,350		36		75,350
20	65,450	65,450		37		75,900
21	66,000	66,330		38		76,450
22	66,000	67,250		39		77,000
23	66,000	67,880		40		77,550
24	66,000	68,510		41		78,100
25	66,000	69,150		42		78,650
26	66,000	69,770		43+		80,000
27	66,000	70,400				

XIV. Illinois

LEGAL GROSS WEIGHTS

The following table denotes maximum gross weights for vehicles on all highways:

Legal gross weights					
Distance	2 Axles	3 Axles	4 Axles	5 Axles	6 or More Axles
4	34,000				
5	34,000				
6	34,000				
7	34,000				
8	38,000*	42,000			
9	39,000	42,500			
10	40,000	43,500			
11		44,000			
12		45,000	50,000		
13		45,500	50,500		
14		46,500	51,500		
15		47,000	52,000		

VEHICLE SIZES & WEIGHTS MANUAL

Distance	Legal gross weights				
	2 Axles	3 Axles	4 Axles	5 Axles	6 or More Axles
16		48,000	52,500	58,000	
17		48,500	53,500	58,500	
18		49,500	54,000	59,000	
19		50,000	54,500	60,000	
20		51,000	55,500	60,500	66,000
21		51,500	56,000	61,000	66,500
22		52,500	56,500	61,500	67,000
23		53,000	57,500	62,500	68,000
24		54,000	58,000	63,000	68,500
25		54,500	58,500	63,500	69,000
26		55,500	59,500	64,000	69,500
27		56,000	60,000	65,000	70,000
28		57,000	60,500	65,500	71,000
29		57,500	61,500	66,000	71,500
30		58,500	62,000	66,500	72,000
31		59,000	62,500	67,500	72,500
32		60,000	63,500	68,000	73,000
33			64,000	68,500	74,000
34			64,500	69,000	74,500
35			65,500	70,000	75,000
36			66,000	70,500	75,500
37			66,500	71,000	76,000
38			67,500	72,000	77,000
39			68,000	72,500	77,500
40			68,500	73,000	78,000
41			69,500	73,500	78,500
42			70,000	74,000	79,000
43			70,500	75,000	80,000
44			71,500	75,500	
45			72,000	76,000	
46			72,500	76,500	
47			73,500	77,500	
48			74,000	78,000	
49				78,500	
50				79,000	
51				80,000	

*If the distance between two axles is 96 in. or less, the two axles are tandem axles and the maximum total weight may not exceed 34,000 pounds, notwithstanding the higher limit resulting from the application of the bridge formula.

Single vehicles having more than 4 axles may not exceed the weight in the table above for 4 axles measured between the extreme axles of the vehicle.

Single vehicles in combination having more than 6 axles may not exceed the weight in the table above for 6 axles measured between the extreme axles of the combination.

VEHICLE SIZES & WEIGHTS MANUAL

Reserved

VEHICLE SIZES & WEIGHTS MANUAL

XV. INDIANA

Indiana uses the federal bridge formula to determine maximum gross vehicle weight and maximum axle group weight limits on Indiana highways.

XVI. IOWA

Primary Highway System - Interstate Highway System, and Non-Interstate Federal and State Highways; Maximum Legal Tandem, Group and Gross Weights

Distance* in feet	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles
4	34,000	34,000				
5	34,000	34,000				
6	34,000	34,000				
7	34,000	34,000				
8' 1"	38,000	42,000				
9	39,000	42,500				
10	40,000	43,500	48,500			
11	40,000	44,000	49,500			
12	40,000	45,000	50,000			
13	40,000	45,500	50,500	56,000		
14	40,000	46,500	51,500	57,000		
15	40,000	47,000	52,000	57,500		
16	40,000	48,000	52,500	58,000		
17	40,000	48,500	53,500	58,500	64,000	
18	40,000	49,500	54,000	59,000	65,000	
19	40,000	50,000	54,500	60,000	65,500	
20	40,000	51,000	55,500	60,500	66,000	71,500
21	40,000	51,500	56,000	61,000	66,500	72,500
22	40,000	52,500	56,500	61,500	67,000	73,000
23	40,000	53,000	57,500	62,500	68,000	73,500
24	40,000	54,000	58,000	63,000	68,500	74,000
25	40,000	54,500	58,500	63,500	69,000	74,500
26	40,000	55,500	59,500	64,000	69,500	75,000
27	40,000	56,000	60,000	65,000	70,000	76,000
28	40,000	57,000	60,500	65,500	71,000	76,500
29	40,000	57,500	61,500	66,000	71,500	77,000
30	40,000	58,500	62,000	66,500	72,000	77,500
31	40,000	59,000	62,500	67,500	72,500	78,000
32	40,000	60,000	63,500	68,000	73,000	78,500
33	40,000	60,000	64,000	68,500	74,000	79,500
34	40,000	60,000	64,500	69,500	74,500	80,000
35	40,000	60,000	65,500	70,000	75,000	80,000
36	40,000	60,000	68,000	70,500	75,500	80,000
37	40,000	60,000	68,000	71,000	76,000	80,000
38	40,000	60,000	68,000	72,000	77,000	80,000
39	40,000	60,000	68,000	72,500	77,500	80,000
40	40,000	60,000	68,500	73,000	78,000	80,000
41	40,000	60,000	69,500	73,500	78,500	80,000

VEHICLE SIZES & WEIGHTS MANUAL

Distance* in feet	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles
42	40,000	60,000	70,000	74,000	79,000	80,000
43	40,000	60,000	70,500	75,000	80,000	80,000
44	40,000	60,000	71,500	75,500	80,000	80,000
45	40,000	60,000	72,000	76,000	80,000	80,000
46	40,000	60,000	72,500	76,500	80,000	80,000
47	40,000	60,000	73,500	77,500	80,000	80,000
48	40,000	60,000	74,000	78,000	80,000	80,000
49	40,000	60,000	74,500	78,500	80,000	80,000
50	40,000	60,000	75,500	79,000	80,000	80,000
51	40,000	60,000	76,000	80,000	80,000	80,000
52	40,000	60,000	76,500	80,000	80,000	80,000
53	40,000	60,000	77,500	80,000	80,000	80,000
54	40,000	60,000	78,000	80,000	80,000	80,000
55	40,000	60,000	78,500	80,000	80,000	80,000
56	40,000	60,000	79,500	80,000	80,000	80,000
57	40,000	60,000	80,000	80,000	80,000	80,000

*Measured between the centers of the extreme axles of any group of axles and rounded to the nearest whole foot.

Non-Primary Highway System - County and City Roads; Maximum Legal Tandem, Group and Gross Weights

Distance* In Feet	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles
4	34,000	34,000				
5	34,000	34,000				
6	34,000	34,000				
7	34,000	34,000				
8 ft 1 in.	38,000	42,000				
9	39,000	42,500				
10	40,000	43,500	45,000			
11	40,000	44,000	46,000			
12	40,000	45,000	47,000			
13	40,000	45,500	48,000	48,500		
14	40,000	46,500	49,000	49,500		
15	40,000	47,000	50,000	50,500		
16	40,000	48,000	51,000	51,500		
17	40,000	48,500	52,000	52,500	54,000	
18	40,000	49,500	53,000	53,500	55,000	
19	40,000	50,000	54,500	54,500	56,000	
20	40,000	51,000	55,500	55,500	57,000	
21	40,000	51,500	56,000	56,500	58,000	
22	40,000	52,500	56,500	57,500	59,000	
23	40,000	53,000	57,500	58,500	60,000	
24	40,000	54,000	58,000	59,500	61,000	
25	40,000	54,500	58,500	60,500	62,000	
26	40,000	55,500	59,500	61,500	63,000	
27	40,000	56,000	60,000	62,500	64,000	
28	40,000	57,000	60,500	63,500	65,000	

6- and 7-axle commercial vehicles may also use the table below.

VEHICLE SIZES & WEIGHTS MANUAL

Distance* In Feet	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles
29	40,000	57,500	61,500	64,500	66,000	
30	40,000	58,500	62,000	65,500	67,000	
31	40,000	59,000	62,500	66,500	68,000	
32	40,000	60,000	63,500	67,500	69,000	
33	40,000	60,000	64,000	68,500	70,000	
34	40,000	60,000	64,500	69,500	71,000	
35	40,000	60,000	65,500	70,000	72,000	
36	40,000	60,000	68,000	70,500	73,000	
37	40,000	60,000	68,000	71,000	74,000	
38	40,000	60,000	68,000	72,000	75,000	
39	40,000	60,000	68,000	72,500	76,000	
40	40,000	60,000	68,500	73,000	77,000	
41	40,000	60,000	69,500	73,500	78,000	78,000
42	40,000	60,000	70,000	74,000	79,000	79,000
43	40,000	60,000	70,500	75,000	80,000	80,000
44	40,000	60,000	71,500	75,500	80,000	80,000
45	40,000	60,000	72,000	76,000	80,000	80,000
46	40,000	60,000	72,500	76,500	80,000	80,000
47	40,000	60,000	73,500	77,500	80,000	80,000
48	40,000	60,000	74,000	78,000	80,000	80,000
49	40,000	60,000	74,500	78,500	80,000	80,000
50	40,000	60,000	75,500	79,000	80,000	80,000
51	40,000	60,000	76,000	80,000	80,000	80,000
52	40,000	60,000	76,500	80,000	80,000	80,000
53	40,000	60,000	77,500	80,000	80,000	80,000
54	40,000	60,000	78,000	80,000	80,000	80,000
55	40,000	60,000	78,500	80,000	80,000	80,000
56	40,000	60,000	79,500	80,000	80,000	80,000
57	40,000	60,000	80,000	80,000	80,000	80,000

*Measured between the centers of the extreme axles of any group of axles and rounded to the nearest whole foot.

The maximum gross weight for 6- and 7-axle commercial motor vehicles operated by a person with the appropriate class of CDL (or exempt from a CDL by Iowa Code 321.176A), operated on non-interstate highways:

Noninterstate Highways Maximum Gross Weight Table, 6- and 7-Axle Commercial Motor Vehicles

Distance in feet	6 axles	7 axles
44	80,500	80,500
45	81,000	81,500
46	81,500	82,500
47	82,000	83,500
48	83,000	84,000
49	83,500	85,000
50	84,000	86,000
51	84,500	87,000
52	85,000	88,000
53	86,000	88,500

VEHICLE SIZES & WEIGHTS MANUAL

Distance in feet	6 axles	7 axles
54	86,500	89,500
55	87,000	90,500
56	87,500	91,500
57	88,000	92,000
58	89,000	93,000
59	89,500	94,000
60	90,000	95,000
61		95,500
62		96,000

This table does not apply to vehicles operating on the Interstate highway system or to special farm plated trucks operating on any roadway.

An indivisible load must comply with legal dimension and weight limits or be operated under the provisions of an oversize load permit.

XVII. KANSAS

See "Kansas" tab for weight limits.

XVIII. KENTUCKY

See "Kentucky" tab for weight limits.

XIX. LOUISIANA

See "Louisiana" tab for weight limits.

XX. MAINE

See "Maine" tab for weight limits.

XXI. Maryland

See "Maryland" tab for weight limits.

XXII. Massachusetts

Gross weight table

Distance in feet between the extremes of any group of 2 or more consecutive axles	Maximum load in pounds carried on any group of 2 or more consecutive axles					
	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles
4	34,000					
5	35,000					
6	36,000					
7	37,000					
8	38,000	42,000				
9	39,000	42,500				
10	40,000	43,500				

VEHICLE SIZES & WEIGHTS MANUAL

Gross weight table, Continued

Distance in feet between the extremes of any group of 2 or more consecutive axles	Maximum load in pounds carried on any group of 2 or more consecutive axles					
	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles
11	41,000	44,000				
12	42,000	45,000	50,000			
13	43,000	45,500	50,500			
14	44,000	46,500	51,500			
15	44,800	47,000	52,000			
16		48,000	52,500	58,000		
17		48,500	53,500	58,500		
18		49,500	54,000	59,000		
19		50,000	54,500	60,000		
20		51,000	55,500	60,500	66,000	
21		51,500	56,000	61,000	66,500	
22		52,500	56,500	61,500	67,000	
23		53,000	57,500	62,000	68,000	
24		54,000	58,000	63,000	68,500	74,000
25		54,500	58,500	63,500	69,000	74,500
26		55,500	59,500	64,000	69,500	75,000
27		56,000	60,000	65,000	70,000	75,500
28		57,000	60,500	65,500	71,000	76,500
29		57,500	61,500	66,000	71,500	77,000
30		58,500	62,000	66,500	72,000	77,500
31		59,000	62,500	67,500	72,500	78,000
32		60,000	63,500	68,500	73,000	78,500
33		60,750	64,000	68,500	74,000	79,000
34		61,500	64,500	69,000	74,500	80,000
35		62,250	65,500	70,000	75,000	
36		63,000	66,000	70,500	75,500	
37		63,750	66,500	71,000	76,000	
38		64,500	67,500	72,000	77,000	
39		65,250	68,000	72,500	77,500	
40		66,000	68,500	73,000	78,000	
41		66,750	69,500	73,500	78,500	
42		67,200	70,000	74,000	79,000	
43			70,500	75,000	80,000	
44			71,500	75,500		
45			72,000	76,000		
46			72,500	76,500		
47			73,500	77,500		
48			74,000	78,000		
49			74,500	78,500		
50			75,500	79,000		
51			76,000	80,000		
52			76,500			

VEHICLE SIZES & WEIGHTS MANUAL

Gross weight table, Continued

Distance in feet between the extremes of any group of 2 or more consecutive axles	Maximum load in pounds carried on any group of 2 or more consecutive axles					
	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles
53			77,500			
54			78,000			
55			78,500			

XXIII. MICHIGAN

Bridge Formula Weights

Vehicles with a gross weight of 80,000 pounds or less and being operated on state highways may be eligible for increased weights using the Bridge Weight Formula.

Vehicles with a gross weight over 80,000 pounds or vehicles exceeding the gross weight set by the Bridge Formula are not eligible for the Bridge Weights. *Exception: 5 axle tandem tandems.*

Bridge formula would allow for the following weights:

Single axle	20,000 pounds
Tandem axles	34,000 pounds - for the tandem axle group
The weight of other axle groups would be set by the Bridge Formula chart. To receive these weights the vehicle would have to strictly comply with the axle spacings as set forth in the formula,	

$$W=500 \left[\frac{LN}{N-1} + 12N + 36 \right]$$

County and City Weight Limits

Allowable axle weights on local roadways must be consistent with state law, but final weight determinations are the responsibility of the local jurisdictions. The limitation of 700 lbs. per inch of tire width still applies. Contact the appropriate jurisdiction for specific information prior to movements upon local roadways.

VEHICLE SIZES & WEIGHTS MANUAL

BRIDGE FORMULA

Based on weight formula $W = 500 \left(\frac{LN}{N-1} + 12N + 36 \right)$ modified¹

	Distance in feet between the extremes of any group of 2 or more consecutive axles	Maximum load in pounds carried on any group of 2 or more consecutive axles ²							
		2 axles	3 axles	4 axles	5 axles	6 axles	7 axles	8 axles	9 axles
Tandem Axle Weight	4	34,000							
	5	34,000							
	6	34,000							
	7	34,000							
	8 and less	34,000	34,000						
	More than 8	38,000	42,000						
	9	39,000	42,500						
	10	40,000	43,500						
	11		44,000						
	12		45,000	50,000					
13		45,500	50,500						
14		46,500	51,500						
15		47,000	52,000						
16		48,000	52,500	58,000					
17		48,500	53,500	58,500					
18		49,500	54,000	59,000					
19		50,000	54,500	60,000					
20		51,000	55,500	60,500	66,000				
21		51,500	56,000	61,000	66,500				
22		52,500	56,500	61,500	67,000				
23		53,000	57,500	62,500	68,000				
24		54,000	58,000	63,000	68,500	74,000			
25		54,500	58,500	63,500	69,000	74,500			
26		55,500	59,500	64,000	69,500	75,000			
27		56,000	60,000	65,000	70,000	75,500			
28		57,000	60,500	65,500	71,000	76,500	82,000		
29		57,500	61,500	66,000	71,500	77,000	82,500		
30		58,500	62,000	66,500	72,000	77,500	83,000		
31		59,000	62,500	67,500	72,500	78,000	83,500		
32		60,000	63,500	68,000	73,000	78,500	84,500	90,000	
33			64,000	68,500	74,000	79,000	85,000	90,500	
34			64,500	69,000	74,500	80,000	85,500	91,000	
35			65,500	70,000	75,000	80,500	86,000	91,500	
36			66,000	70,500	75,500	81,000	86,500	92,000	
37	} 5 Axle Tandem Exception		66,500	71,000	76,000	81,500	87,000	93,000	
38			67,500	71,500	77,000	82,000	87,500	93,500	
39			68,000	72,500	77,500	82,500	88,500	94,000	
40			68,500	73,000	78,000	83,500	89,000	94,500	
41			69,500	73,500	78,500	84,000	89,500	95,000	
42			70,000	74,000	79,000	84,500	90,000	95,500	
43			70,500	75,000	80,000	85,000	90,500	96,000	
44			71,500	75,500	80,500	85,500	91,000	96,500	
45			72,000	76,000	81,000	86,000	91,500	97,500	
46			72,500	76,500	81,500	87,000	92,500	98,000	
47		73,500	77,500	82,000	87,500	93,000	98,500		
48		74,000	78,000	83,000	88,000	93,500	99,000		
49		74,500	78,500	83,500	88,500	94,000	99,500		
50		75,500	79,000	84,000	89,000	94,500	100,000		
51		76,000	80,000	84,500	89,500	95,000	100,500		
52		76,500	80,500	85,000	90,500	95,500	101,000		
53		77,500	81,000	86,000	91,000	96,500	102,000		
54		78,000	81,500	86,500	91,500	97,000	102,500		
55		78,500	82,500	87,000	92,000	97,500	103,000		
56		79,500	83,000	87,500	92,500	98,000	103,500		
57			Interstate Gross Weight Limit	80,000	83,500	88,000	93,000	98,500	104,000
58				84,000	89,000	94,000	99,000	104,500	
59				85,000	89,500	94,500	99,500	105,000	
60				85,500	90,000	95,000	100,500	105,500	

¹The permissible loads are computed to the nearest 500 pounds. The modification consists in limiting the maximum load on any single axle to 20,000 pounds.
²The following loaded vehicles must not operate over H15-44 bridges: 3-S2 (5 axles) with wheelbase less than 38 feet; 2-S1-2 (5 axle) with wheelbase less than 45 feet; 3-3 (6 axle) with wheelbase less than 45 feet; and 7-, 8-, and 9-axle vehicles regardless of wheelbase.

XXIV. MINNESOTA

Up to 10% more weight is allowed during winter freeze, with no permit required except when traveling on Interstates. Vehicles must be registered for sufficient weight to cover GVW. The winter freeze period varies each year depending on weather (information available at <http://www.mrr.dot.state.mn.us> or at (800) 723-6543).

VEHICLE SIZES & WEIGHTS MANUAL

Reserved

VEHICLE SIZES & WEIGHTS MANUAL

GROSS WEIGHT TABLE

Distances in feet between centers of foremost and rearmost axles of a group	2	3	4
	Consecutive axles of a 2-axle vehicle or any combination of vehicles having a total of 2 or more axles	Consecutive axles of a 3-axle vehicle or any combination of vehicles having a total of 3 or more axles	Consecutive axles of a 4-axle vehicle or any combination of vehicles having a total of 4 or more axles
4	34,000		
5	34,000		
6	34,000		
7	34,000		
8	34,000	34,000	
8 plus	34,000 (38,000)	34,000	
9	35,000 (39,000)	43,000	
10	36,000 (40,000)	43,500	49,000
11	36,000	44,500	49,500
12		45,000	50,000
13		46,000	51,000
14		46,500	51,500
15		47,500	52,000
16		48,000	53,000
17		49,000	53,500
18		49,500	54,000
19		50,500	55,000
20		51,000	55,500
21		52,000	56,000
22		52,500	57,000
23		53,500	57,500
24		54,000	58,000
25		(55,000)	59,000
26		(55,500)	59,500
27		(56,500)	60,000
28		(57,000)	61,000
29		(58,000)	61,500
30		(58,500)	62,000
31		(59,500)	63,000
32		(60,000)	63,500
33			64,000
34			65,000
35			65,500
36			66,000
37			67,000
38			67,500
39			68,000
40			69,000
41			69,500

VEHICLE SIZES & WEIGHTS MANUAL

GROSS WEIGHT TABLE

Distances in feet between centers of foremost and rearmost axles of a group	2	3	4
	Consecutive axles of a 2-axle vehicle or any combination of vehicles having a total of 2 or more axles	Consecutive axles of a 3-axle vehicle or any combination of vehicles having a total of 3 or more axles	Consecutive axles of a 4-axle vehicle or any combination of vehicles having a total of 4 or more axles
42			70,000
43			71,000
44			71,500
45			72,000
46			72,500
47			(73,500)
48			(74,000)
49			(74,500)
50			(75,500)
51			(76,000)
52			(76,500)
53			(77,500)
54			(78,000)
55			(78,500)
56			(79,500)
57			(80,000)

Distances in feet between centers of foremost and rearmost axles of a group	5	6	7	8
	Consecutive axles of a 5-axle vehicle or any combination of vehicles having a total of 5 axles or more	Consecutive axles of a 6-axle vehicle or any combination of vehicles having a total of 6 axles or more	Consecutive axles of a 7-axle vehicle or any combination of vehicles having a total of 7 axles or more	Consecutive axles of an 8-axle vehicle or any combination of vehicles having a total of 8 axles or more
14	57,000			
15	57,500			
16	58,000			
17	59,000			
18	59,500			
19	60,000			
20	60,500	66,000	72,000	
21	61,500	67,000	72,500	
22	62,000	67,500	73,000	
23	62,500	68,000	73,500	
24	63,000	68,500	74,000	
25	64,000	69,000	75,000	
26	64,500	70,000	75,500	

VEHICLE SIZES & WEIGHTS MANUAL

Distances in feet between centers of foremost and rearmost axles of a group	5	6	7	8
	Consecutive axles of a 5-axle vehicle or any combination of vehicles having a total of 5 axles or more	Consecutive axles of a 6-axle vehicle or any combination of vehicles having a total of 6 axles or more	Consecutive axles of a 7-axle vehicle or any combination of vehicles having a total of 7 axles or more	Consecutive axles of an 8-axle vehicle or any combination of vehicles having a total of 8 axles or more
27	65,000	70,500	76,000	
28	65,500	71,000	76,500	
29	66,500	71,500	77,000	
30	67,000	72,000	77,500	
31	67,500	73,000	78,500	
32	68,000	73,500	79,000	
33	69,000	74,000	79,500	
34	69,500	74,500	80,000	
35	70,000	75,000	(80,500)	(86,000)
36	70,500	76,000	(81,000)	(86,500)
37	71,500	76,500	(81,500)	(87,000)
38	72,000	77,000	(82,000)	(87,500)
39	72,500	77,500	(82,500)	(88,500)
40	73,000	78,000	(83,500)	(89,000)
41	74,000	79,000	(84,000)	(89,500)
42	74,500	79,500	(84,500)	(90,000)
43	75,000	80,000	(85,000)	(90,500)
44	75,500	(80,500)	(85,500)	(91,000)
45	76,500	(81,000)	(86,000)	(91,500)
46	77,000	(81,500)	(87,000)	(92,500)
47	77,500	(82,000)	(87,500)	(93,000)
48	78,000	(83,000)	(88,000)	(93,500)
49	79,000	(83,500)	(88,500)	(94,000)
50	79,500	(84,000)	(89,000)	(94,500)
51	80,000	(84,500)	(89,500)	(95,000)
52	(80,500)	(85,000)	(90,500)	(95,500)
53	(81,000)	(86,000)	(91,000)	(96,500)
54	(81,500)	(86,500)	(91,500)	(97,000)
55	(82,500)	(87,000)	(92,000)	(97,500)
56	(83,000)	(87,500)	(92,500)	(98,000)
57	(83,500)	(88,000)	(93,000)	(98,500)
58	(84,000)	(89,000)	(94,000)	(99,000)
59	(85,000)	(89,500)	(94,500)	(99,500)
60	(85,500)	(90,000)	(95,000)	(100,500)
61			(95,500)	(101,000)
62			(96,000)	(101,500)
63			(96,500)	(102,000)
64			(97,000)	(102,500)
65				(103,000)

VEHICLE SIZES & WEIGHTS MANUAL

Distances in feet between centers of foremost and rearmost axles of a group	5	6	7	8
	Consecutive axles of a 5-axle vehicle or any combination of vehicles having a total of 5 axles or more	Consecutive axles of a 6-axle vehicle or any combination of vehicles having a total of 6 axles or more	Consecutive axles of a 7-axle vehicle or any combination of vehicles having a total of 7 axles or more	Consecutive axles of an 8-axle vehicle or any combination of vehicles having a total of 8 axles or more
66				(103,500)
67				(104,500)
68				(105,000)
69				(105,500)
70				(106,000)
71				(106,500)
72				(107,000)
73				(107,500)
74				(108,000)

The gross weights shown without parentheses in the table above are allowed on unpaved streets and highways, unless posted to a lesser weight. The gross weights shown in this table, whether within or without parentheses, are allowed on paved streets and highways, unless posted to a lesser weight. Gross weights in excess of 80,000 pounds require an overweight permit.

XXV. MISSISSIPPI

Mississippi uses the federal bridge formula to determine maximum gross vehicle weight and maximum axle group weight limits on Mississippi highways. Some state highway routes have what is referred to as a "low weight road limit." These highways have a limit of 57,650 pounds.

XXVI. MISSOURI

80,000 pounds maximum gross weight is allowed on all highways in Missouri, except where bridge structures are signed with lesser weight limits.

XXVII. MONTANA

OVERWEIGHT/RESTRICTED ROUTE WEIGHT CHARTS:

Gross vehicle weight chart — 2 - 11 axles 4 - 38 feet

FT	2 Axles	3 Axles	4 Axles	5 Axles	6 Axles	7 Axles	8 Axles	9 Axles	10 Axles	11 Axles
4	34000									
5	34000									

VEHICLE SIZES & WEIGHTS MANUAL

Gross vehicle weight chart — 2 - 11 axles 4 - 38 feet, Continued

FT	2 Axles	3 Axles	4 Axles	5 Axles	6 Axles	7 Axles	8 Axles	9 Axles	10 Axles	11 Axles
6	34000									
7	34000									
8	38000	42000								
9	39000	42750								
10	40000	43500								
11		44250	49330	54870						
12		45000	50000	55500						
13		45750	50660	56120						
14		46500	51330	56750						
15		47250	52000	57370						
16		48000	52660	58000						
17		48750	53330	58620						
18		49500	54000	59250						
19		50250	54660	59870						
20		51000	55330	60500	66000					
21		51750	56000	61120	66600					
22		52500	56660	61750	67200					
23		53250	57330	62370	67800					
24		54000	58000	63000	68400	74000				
25		54750	58660	63620	69000	74580				
26		55500	59330	64250	69600	75160				
27		56250	60000	64870	70200	75750				
28		57000	60660	65500	70800	76330	82000			
29		57750	61330	66120	71400	76910	82570			
30		58500	62000	66750	72000	77500	83140			
31		59250	62660	67370	72600	78080	83710			
32		60000	63330	68000	73200	78660	84280	90000	95770	101600
33			64000	68620	73800	79250	84850	90560	96330	102150
34			64660	69250	74400	79830	85420	91120	96880	102700
35			65330	69870	75000	80410	86000	91680	97440	103250
36			68000	70500	75600	81000	86570	92250	98000	103800
37			68000	71120	76200	81580	87140	92810	98550	104350
38			68000	71750	76800	82160	87710	93370	99110	104900

Compute to the nearest "0" inches by the formula in section 61-10-107, MCA.

Formula: $W=500 (LN/(N - 1) + 12N + 36)$ in which W = gross weight, L = wheel base in feet, and N = number of axles

The formula provides for maximum gross weight allowed on any vehicle or combination of vehicles, and maximum gross weight for any groups of axles. No tandem axle to exceed 34,000 pounds. No single axle to exceed 20,000 pounds.

Maximum gross weight for reducible loads is 131,060 pounds.

VEHICLE SIZES & WEIGHTS MANUAL

Gross vehicle weight chart — 4 - 14 axles & 39 - 79 feet

FT	4 Axles	5 Axles	6 Axles	7 Axles	8 Axles	9 Axles	10 Axles	11 Axles	12 Axles	13 Axles	14 Axles
39	68000	72370	77400	82750	88280	93930	99660	105450	111270	117120	123000
40	68660	73000	78000	83330	88850	94500	100220	106000	111810	117660	123530
41	69330	73620	78600	83910	89420	95060	100770	106550	112360	118200	124070
42	70000	74250	79200	84500	90000	95620	101330	107100	112900	118750	124610
43	70660	74870	79800	85080	90570	96180	101880	107650	113450	119290	125150
44	71330	75500	80400	85660	91140	96750	102440	108200	114000	119830	125690
45	72000	76120	81000	86250	91710	97310	103000	108750	114540	120370	126230
46	72660	76750	81600	86830	92280	97870	103550	109300	115090	120910	126760
47	73330	77370	82200	87410	92850	98430	104110	109850	115630	121450	127300
48	74000	78000	82800	88000	93420	99000	104660	110400	116180	122000	127840
49	74660	78620	83400	88580	94000	99560	105220	110950	116720	122540	128380
50	75330	79250	84000	89160	94570	100120	105770	111500	117270	123080	128920
51	76000	79870	84600	89750	95140	100680	106330	112050	117810	123620	129460
52	76660	80500	85200	90330	95710	101250	106880	112600	118360	124160	130000
53	77330	81120	85800	90910	96280	101810	107440	113150	118900	124700	130530
54	78000	81750	86400	91500	96850	102370	108000	113700	119450	125250	131070
55	78660	82370	87000	92080	97420	102930	108550	114250	120000	125790	
56	79330	83000	87600	92660	98000	103500	109110	114800	120540	126330	
57	80000	83620	88200	93250	98570	104060	109660	115350	121090	126870	
58		84250	88800	93830	99140	104620	110220	115900	121630	127410	
59		84870	89400	94410	99710	105180	110770	116450	122180	127950	
60		85500	90000	95000	100280	105750	111330	117000	122720	128500	
61		86120	90600	95580	100850	106310	111880	117550	123270	129040	
62		86750	91200	96160	101420	106870	112440	118100	123810	129580	
63		87370	91800	96750	102000	107430	113000	118650	124360	130120	
64		88000	92400	97330	102570	108000	113550	119200	124900	130660	
65		88620	93000	97910	103140	108560	114110	119750	125450	131200	
66		89250	93600	98500	103710	109120	114660	120300	126000		
67		89870	94200	99080	104280	109680	115220	120850	126540		
68		90500	94800	99660	104850	110250	115770	121400	127090		
69		91120	95400	100250	105420	110810	116330	121950	127630		
70		91750	96000	100830	106000	111370	116880	122500	128180		
71		92370	96600	101410	106570	111930	117440	123050	128720		
72		93000	97200	102000	107140	112500	118000	123600	129270		
73		93620	97800	102580	107710	113060	118550	124150	129810		
74		94250	98400	103160	108280	113620	119110	124700	130360		
75		94870	99000	103750	108850	114180	119660	125250	130900		
76		95500	99600	104330	109420	114750	120220	125800	131450		
77		96120	100200	104910	110000	115310	120770	126350			
78		96750	100800	105500	110570	115870	121330	126900			
79		97370	101400	106080	111140	116430	121880	127450			

VEHICLE SIZES & WEIGHTS MANUAL

Gross vehicle weight chart — 5 - 11 axles & 80 - 121 feet

FT	5 Axles	6 Axles	7 Axles	8 Axles	9 Axles	10 Axles	11Axles
80	98000	102000	106660	111710	117000	122440	128000
81	98620	102600	107250	112280	117560	123000	128550
82	99250	103200	107830	112850	118120	123550	129100
83	99870	103800	108410	113420	118680	124110	129650
84		104400	109000	114000	119250	124660	130200
85		105000	109580	114570	119810	125220	130750
86		105600	110160	115140	120370	125770	131300
87		106200	110750	115710	120930	126330	
88		106800	111330	116280	121500	126880	
89		107400	111910	116850	122060	127440	
90		108000	112500	117420	122620	128000	
91		108600	113080	118000	123180	128550	
92		109200	113660	118570	123750	129110	
93		109800	114250	119140	124310	129660	
94		110400	114830	119710	124870	130220	
95			115410	120280	125430	130770	
96			116000	120850	126000	131330	
97			116580	121420	126560		
98			117160	122000	127120		
99			117750	122570	127680		
100			118330	123140	128250		
101			118910	123710	128810		
102			119500	124280	129370		
103			120080	124850	129930		
104			120660	125420	130500		
105			121250	126000	131060		
106			121830	126570			
107			122410	127140			
108			123000	127710			
109			123580	128280			
110			124160	128850			
111			124750	129420			
112			125330	130000			
113			125910	130570			
114			126500	131140			
115			127080				
116			127660				
117			128250				
118			128830				
119			129410				
120			130000				
121			130580				

VEHICLE SIZES & WEIGHTS MANUAL

XXVIII. NEBRASKA

Gross weight table

Distance in feet between the extremes of any group of 2 or more consecu- tive axles						
	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles
4	34,000					
5	34,000					
6	34,000					
7	34,000					
8	34,000	42,000				
9	39,000	42,500				
10	40,000	43,500				
11		44,000				
12		45,000	50,000			
13		45,500	50,500			
14		46,500	51,500			
15		47,000	52,000			
16		48,000	52,500	58,000		
17		48,500	53,500	58,500		
18		49,500	54,000	59,000		
19		50,000	54,500	60,000		
20		51,000	55,500	60,500		
21		51,500	56,000	61,000		
22		52,500	56,500	61,500		
23		53,000	57,500	62,500		
24		54,000	58,000	63,000		
25		54,500	58,500	63,500	69,000	
26		55,500	59,500	64,000	69,500	
27		56,000	60,000	65,000	70,000	
28		57,000	60,500	65,500	71,000	
29		57,500	61,500	66,000	71,500	
30		58,500	62,000	66,500	72,000	
31		59,000	62,500	67,500	72,500	
32		60,000	63,500	68,000	73,000	
33			64,000	68,500	74,000	
34			64,500	69,000	74,500	
35			65,500	70,000	75,000	
36			66,000	70,500	75,500	
37			66,500	71,000	76,000	81,500
38			67,500	72,000	77,000	82,000
39			68,000	72,500	77,500	82,500
40			68,500	73,000	78,000	83,500
41			69,500	73,500	78,500	84,000
42			70,000	74,000	79,000	84,500

VEHICLE SIZES & WEIGHTS MANUAL

Gross weight table, Continued

Distance in feet between the extremes of any group of 2 or more consecutive axles						
	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles
43			70,500	75,000	80,000	85,000
44			71,500	75,500	80,500	85,500
45			72,000	76,000	81,000	86,000
46			72,500	76,500	81,500	87,000
47			73,500	77,500	82,000	87,500
48			74,000	78,000	83,000	88,000
49			74,500	78,500	83,500	88,500
50			75,500	79,000	84,000	89,000
51			76,000	80,000	84,500	89,500
52			76,500	80,500	85,000	90,500
53			77,500	81,000	86,000	91,000
54			78,000	81,500	86,500	91,500
55			78,500	82,500	87,000	92,000
56			79,500	83,000	87,500	92,500
57			80,000	83,500	88,000	93,000
58				84,000	89,000	94,000
59				85,000	89,500	94,500
60				85,500	90,000	95,000

*No group of two or more consecutive axles shall carry a load in excess of the value given in the table corresponding to the distance in feet between the extreme axles of the group, measured longitudinally to the nearest foot, except two consecutive sets of tandem axles may carry a gross load of 34,000 pounds each when the overall distance between the first and last axles of such consecutive sets of tandem axles is 36, 37 or 38 feet.

The maximum gross load on any group of two axles, the distance between the extremes of which is more than eight feet but less than eight feet six inches, shall be 38,000 pounds.

Any group of three axles shall be restricted to a maximum load of 34,000 pounds unless the distance between the extremes of the first and third axles is at least 96 inches.

Any two consecutive axles whose centers are more than 40 inches and not more 96 inches apart, measured to the nearest inch between any two adjacent axles in the series, shall be defined as tandem axles, and the gross weight transmitted to the road surface through such series shall not exceed 34,000 pounds. No axle of the series shall exceed the maximum weight permitted under this section for a single axle.

Dummy axles shall be disregarded in determining the lawful weight of a vehicle or vehicle combination for operation on the highway. Dummy axle shall mean an axle attached to a vehicle or vehicle combination in a manner so that it does not articulate or substantially equalize the load and does not carry at least eight percent or 8,000 pounds of the gross weight of the vehicle or vehicle combination.

VEHICLE SIZES & WEIGHTS MANUAL

XXIX. NEVADA

The state has issued a gross weight table based on axle distribution for use in determining the maximum permissible weight based on the formula:

Gross weight table

Distance in feet between the ex- tremes of any group of 2 or more con- secutive axles	Maximum load in pounds carried on any group of 2 or more consecutive axles							
	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles	8 axles	9 axles
4	34,000							
5	34,000							
6	34,000							
7	34,000							
8	34,000	42,000						
9	39,000	43,000						
10	40,000	43,500						
11		44,500						
12		45,000	50,000					
13		46,000	50,500					
14		46,500	51,500					
15		47,500	52,000					
16		48,000	52,500	58,000				
17		49,000	53,500	58,500				
18		49,500	54,000	59,500				
19		50,500	54,500	60,000				
20		51,000	55,500	60,500	66,000			
21		52,000	56,000	61,000	66,500			
22		52,500	56,500	62,000	67,000			
23		53,500	57,500	62,500	68,000			
24		54,000	58,000	63,000	68,500	74,000		
25		55,000	58,500	63,500	69,000	74,500		
26		55,500	59,500	64,500	69,500	75,000		
27		56,500	60,000	65,000	70,000	76,000		
28		57,000	60,500	65,500	71,000	76,500		
29		58,000	61,500	66,000	71,500	77,000		
30		58,500	62,000	67,000	72,000	77,500		
31		59,500	62,500	67,500	72,500	78,000		
32		60,000	63,500	68,000	73,000	78,500	84,500	90,000
33			64,000	68,500	74,000	79,500	85,000	90,500
34			64,500	69,500	74,500	80,000	85,500	91,000
35			65,500	70,000	75,000	80,500	86,000	91,500
36			66,000	70,500	75,500	81,000	86,500	92,500
37			66,500	71,000	76,000	81,500	87,000	93,000
38			67,500	72,000	77,000	82,000	87,500	93,500
39			68,000	72,500	77,500	83,000	88,500	94,000
40			68,500	73,000	78,000	83,500	89,000	94,500

VEHICLE SIZES & WEIGHTS MANUAL

Gross weight table, Continued

Distance in feet between the extremes of any group of 2 or more consecutive axles	Maximum load in pounds carried on any group of 2 or more consecutive axles							
	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles	8 axles	9 axles
41			69,500	73,500	78,500	84,000	89,500	95,000
42			70,000	74,500	79,000	84,500	90,000	95,500
43			70,500	75,000	80,000	85,000	90,500	96,000
44			71,500	75,500	80,500	85,500	91,000	97,000
45			72,000	76,000	81,000	86,500	91,500	97,500
46			72,500	77,000	81,500	87,000	92,500	98,000
47			73,500	77,500	82,000	87,500	93,000	98,500
48			74,000	78,000	83,000	88,000	93,500	99,000
49			74,500	78,500	83,500	88,500	94,000	99,500
50			75,500	79,500	84,000	89,000	94,500	100,000
51			76,000	80,000	84,500	90,000	95,000	100,500
52			76,500	80,500	85,000	90,500	95,500	101,500
53			77,500	81,000	86,000	91,000	96,500	102,000
54			78,000	82,000	86,500	91,500	97,000	102,500
55			78,500	82,500	87,000	92,000	97,500	103,000
56			79,500	83,000	87,500	92,500	98,000	103,500
57			80,000	83,500	88,000	93,500	98,500	104,000
58				84,500	89,000	94,000	99,000	104,500
59				85,000	89,500	94,500	99,500	105,000
60				85,500	90,000	95,000	100,500	106,000
61				86,000	90,500	95,500	101,000	106,500
62				87,000	91,000	96,000	101,500	107,000
63				87,500	92,000	97,000	102,000	107,500
64				88,000	92,500	97,500	102,500	108,000
65				88,500	93,000	98,000	103,000	108,500
66				89,500	93,500	98,500	103,500	109,000
67				90,000	94,000	99,000	104,500	109,500
68				90,500	95,000	99,500	105,000	110,500
69				91,000	95,500	100,500	105,500	111,000
70				92,000	96,000	101,000	106,000	111,500

*68,000 lb if two consecutive tandems

XXX. New Hampshire

See "New Hampshire" tab for weight limits.

VEHICLE SIZES & WEIGHTS MANUAL

XXXI. New Jersey

For the New Jersey Large Truck Routing Map, go to <http://www.state.nj.us/transportation/about/press/2006/largetruckmap12-06.pdf>.

The New Jersey Truck Access Regulations, which include the New Jersey National Network Routes, the 102-Inch Truck Network Routes, and the Double-Trailer Truck Network Routes, can be found at <http://www.state.nj.us/transportation/about/rules/pdf/chapter32truckaccess.pdf>.

On any highway in New Jersey that is part of, or designated as part of, the National Interstate System, the total gross weight in pounds imposed on the highway or other surface by any group of two or more consecutive axles of a vehicle or combination of vehicles, including load or contents, may not exceed that listed in the following table; except that in addition to the weights specified in the table, two consecutive sets of tandem axles may carry a gross weight of 34,000 pounds each if the overall distance between the first and last axles of the consecutive sets of tandem axles is 36 feet or more.

The gross weight of each set of tandem axles may not exceed 34,000 pounds and the combined gross weight of the two consecutive sets of tandem axles may not exceed 68,000 pounds. In all cases the combined gross weight for a vehicle or combination of vehicles, including load or contents, or the maximum gross weight for any axle or combination of axles of the vehicle or combination of vehicles, including load or contents, may not exceed that which is permitted below or R.S.39:3-84 b.(2); R.S.39:3-84 b.(3); or R.S.39:3-84 b.(4) of this act, whichever is the lesser allowable gross weight:

Distance in feet between axle centers of first and last axles of any group of two or more consecutive axles	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles
3	22400	22400	22400	22400	22400	22400
4	34000	34000	34000	34000	34000	34000
5	34000	34000	34000	34000	34000	34000
6	34000	34000	34000	34000	34000	34000
7	34000	34000	34000	34000	34000	34000
8	34000	34000	34000	34000	34000	34000
9	39000	42500	42500	42500	42500	42500
10	40000	43500	43500	43500	43500	43500
11	41000	44000	44000	44000	44000	44000
12	42000	45000	50000	50000	50000	50000
13	43000	45500	50500	50500	50500	50500
14	44000	46500	51500	51500	51500	51500
15	44800	47000	52000	52000	52000	52000
16	44800	48000	52500	58000	58000	58000
17	44800	48500	53500	58500	58500	58500
18	44800	49500	54000	59000	59000	59000
19	44800	50000	54500	60000	60000	60000
20	44800	51000	55500	60500	66000	66000
21	44800	51500	56000	61000	66500	66500
22	44800	52500	56500	61500	67000	67000
23	44800	53000	57500	62500	68000	68000

VEHICLE SIZES & WEIGHTS MANUAL

Distance in feet between axle centers of first and last axles of any group of two or more consecutive axles	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles
24	44800	54000	58000	63000	68500	74000
25	44800	54500	58500	63500	69000	74500
26	44800	55500	59500	64000	69500	75000
27	44800	56000	60000	65000	70000	75500
28	44800	57000	60500	65500	71000	76500
29	44800	57500	61500	66000	71500	77000
30	44800	58500	62000	66500	72000	77500
31	44800	59000	62500	67500	72500	78000
32	44800	60000	63500	68000	73000	78500
33	44800	60500	64000	68500	74000	79000
34	44800	61500	64500	69000	74500	80000
35	44800	62000	65500	70000	75000	80000
36	44800	63000	66000	70500	75500	80000
37	44800	63500	66500	71000	76000	80000
38	44800	64500	67500	71500	77000	80000
39	44800	65000	68000	72500	77500	80000
40	44800	66000	68500	73000	78000	80000
41	44800	66500	69500	73500	78500	80000
42	44800	67200	70000	74000	79000	80000
43	44800	67200	70500	75000	80000	80000
44	44800	67200	71500	75500	80000	80000
45	44800	67200	72000	76000	80000	80000
46	44800	67200	72500	76500	80000	80000
47	44800	67200	73500	77500	80000	80000
48	44800	67200	74000	78000	80000	80000
49	44800	67200	74500	78500	80000	80000
50	44800	67200	75500	79000	80000	80000
51	44800	67200	76000	80000	80000	80000
52	44800	67200	76500	80000	80000	80000
53	44800	67200	77500	80000	80000	80000
54	44800	67200	78000	80000	80000	80000
55	44800	67200	78500	80000	80000	80000
56	44800	67200	79500	80000	80000	80000
57	44800	67200	80000	80000	80000	80000
58	44800	67200	80000	80000	80000	80000
59	44800	67200	80000	80000	80000	80000
60	44800	67200	80000	80000	80000	80000
61	44800	67200	80000	80000	80000	80000
62	44800	67200	80000	80000	80000	80000

VEHICLE SIZES & WEIGHTS MANUAL

Distance in feet between axle centers of first and last axles of any group of two or more consecutive axles	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles
63	44800	67200	80000	80000	80000	80000
64	44800	67200	80000	80000	80000	80000
65	44800	67200	80000	80000	80000	80000
66	44800	67200	80000	80000	80000	80000
67	44800	67200	80000	80000	80000	80000
68	44800	67200	80000	80000	80000	80000
69	44800	67200	80000	80000	80000	80000
70	44800	67200	80000	80000	80000	80000

XXXII. New Mexico

Gross weight table

Distance in feet between centers of any group of axles	Maximum Gross Weight	Distance in feet between centers of any group of axles	Maximum Gross Weight
4	34,320	30	63,000
5	35,100	31	63,900
6	35,880	32	64,800
7	36,660	33	65,700
8	37,440	34	66,600
9	38,220	35	67,500
10	39,000	36	68,500
11	39,780	37	69,300
12	40,560	38	70,200
13	41,340	39	71,100
14	42,120	40	72,000
15	42,900	41	72,900
16	43,680	42	73,800
17	44,460	43	74,700
18	45,240	44	75,600
19	53,100	45	76,500
20	54,000	46	77,400
21	54,900	47	78,300
22	55,800	48	79,200
23	56,700	49	80,100
24	57,600	50	81,000
25	58,500	51	81,900

VEHICLE SIZES & WEIGHTS MANUAL

Gross weight table, Continued

Distance in feet between centers of any group of axles	Maximum Gross Weight	Distance in feet between centers of any group of axles	Maximum Gross Weight
26	59,400	52	82,800
27	60,300	53	83,700
28	61,200	54	84,600
29	62,100	55	85,500
		56 or over	86,400

The total gross weight with load limitations for any vehicle or combination of vehicles will be increased by 400 pounds if the vehicle or combination of vehicles uses idle reduction technology.

XXXIII. New York

See "New York" tab for weight limits.

VEHICLE SIZES & WEIGHTS MANUAL

Reserved

VEHICLE SIZES & WEIGHTS MANUAL

XXXIV. NORTH CAROLINA

The gross weight imposed upon the highway by any axle group of a vehicle or combination of vehicles shall not exceed the maximum weight given for the respective distance between the first and last axle of the group of axles measured longitudinally to the nearest foot as set forth in the following table:

Distance in feet between the extremes of any group of 2 or more consecutive axles	Maximum Weight in Pounds for any Group of Two or More Consecutive Axles Including all Tolerances					
	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles
4	38,000					
5	38,000					
6	38,000					
7	38,000					
8 or less	38,000	38,000				
More than 8	38,000	42,000				
9	39,000	42,500				
10	40,000	43,500				
11		44,000				
12		45,000	50,000			
13		45,500	50,500			
14		46,500	51,500			
15		47,000	52,000			
16		48,000	52,500	58,000		
17		48,500	53,500	58,500		
18		49,500	54,000	59,000		
19		50,000	54,500	60,000		
20		51,000	55,500	60,500	66,000	
21		51,500	56,000	61,000	66,500	
22		52,500	56,500	61,500	67,000	
23		53,000	57,500	62,500	68,000	
24		54,000	58,000	63,000	68,500	74,000
25		54,500	58,500	63,500	69,000	74,500
26		55,500	59,500	64,000	69,500	75,000
27		56,000	60,000	65,000	70,000	75,500
28		57,000	60,500	65,500	71,000	76,500
29		57,500	61,500	66,000	71,500	77,000
30		58,500	62,000	66,500	72,000	77,500
31		59,000	62,500	67,500	72,500	78,000
32		60,000	63,500	68,000	73,000	78,500
33			64,000	68,500	74,000	79,000
34			64,500	69,000	74,500	80,000
35			65,500	70,000	75,000	
36			66,000*	70,500	75,500	
37			66,500*	71,000	76,000	
38			67,500*	72,000	77,000	
39			68,000	72,500	77,500	
40			68,500	73,000	78,000	

VEHICLE SIZES & WEIGHTS MANUAL

Distance in feet between the extremes of any group of 2 or more consecutive axles	Maximum Weight in Pounds for any Group of Two or More Consecutive Axles Including all Tolerances					
	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles
41			69,500	73,500	78,500	
42			70,000	74,000	79,000	
43			70,500	75,000	80,000	
44			71,500	75,500		
45			72,000	76,000		
46			72,500	76,500		
47			73,500	77,500		
48			74,000	78,000		
49			74,500	78,500		
50			75,500	79,000		
51			76,000	80,000		
52			76,500			
53			77,500			
54			78,000			
55			78,500			
56			79,500			
57			80,000			

*Two consecutive sets of tandem axles may carry a gross weight of 34,000 pounds each without penalty provided the overall distance between the first and last axles of such consecutive sets of tandem axles is 36 feet or more.

VEHICLE SIZES & WEIGHTS MANUAL

XXXV. NORTH DAKOTA



NORTH DAKOTA WEIGHT LIMITATIONS CHART NORTH DAKOTA HIGHWAY PATROL

1/2012

Computed to nearest foot by the weight formula in Section 39-12-05 and Section 39-12-05.3 of the North Dakota Century Code.

$$W = 500 \left(\frac{LN}{N-1} + 12N + 36 \right)$$

W = Maximum weight in pounds on any group of two or more axles.
 L = Distance in feet between extremes of any group of two or more consecutive axles.
 N = Number of axles in group under consideration.

Distance in feet between the extremes of any groups of 2 or more consecutive axles	Maximum Load in Pounds Carried on Any Group of 2 or More Consecutive Axles							
	2 Axles	3 Axles	4 Axles	5 Axles	6 Axles	7 Axles	8 Axles	9 Axles
4	34,000							
5	34,000							
6	34,000							
7	34,000	34,000						
8	38,000	42,000						
9	39,000	43,000						
10	40,000*	43,500						
11		44,500						
12		45,000	50,000					
13		46,000	50,500					
14		46,500	51,500	57,000				
15		47,500	52,000	57,500				
16		48,000	52,500	58,000				
17		49,000	53,500	58,500				
18		49,500	54,000	59,500				
19		50,500	54,500	60,000				
20		51,000	55,500	60,500	66,000			
21		52,000	56,000	61,000	66,500			
22		52,500	56,500	62,000	67,000			
23		53,500	57,500	62,500	68,000			
24		54,000	58,000	63,000	68,500	74,000		
25		55,000	58,500	63,500	69,000	74,500		
26		55,500	59,500	64,500	69,500	75,000		
27		56,500	60,000	65,000	70,000	76,000		
28		57,000	60,500	65,500	71,000	76,500	82,000	
29		58,000	61,500	66,000	71,500	77,000	82,500	
30		58,500	62,000	67,000	72,000	77,500	83,000	
31		59,500	62,500	67,500	72,500	78,000	84,000	
32		60,000*	63,500	68,000	73,000	78,500	84,500	90,000
33			64,000	68,500	74,000	79,000	85,000	90,500
34			64,500	69,500	74,500	80,000	85,500	91,000
35			65,500	70,000	75,000	80,500	86,000	91,500
36	Two consecutive sets of tandem axles may carry a gross load of 34,000 pounds each provided the overall distance between the first and last axles of such consecutive sets of tandem axles is 36 feet or more.		66,000	70,500	75,500	81,000	86,500	92,500
37			66,500	71,000	76,000	81,500	87,000	93,000
38			67,500	72,000	77,000	82,000	87,500	93,500
39			68,000	72,500	77,500	83,000	88,500	94,000
40			68,500	73,000	78,000	83,500	89,000	94,500
41			69,500	73,500	78,500	84,000	89,500	95,000
42			70,000	74,500	79,000	84,500	90,000	95,500
43			70,500	75,000	80,000	85,000	90,500	96,000
44			71,500	75,500	80,500	85,500	91,000	97,000
45			72,000	76,000	81,000	86,500	91,500	97,500
46			72,500	77,000	81,500	87,000	92,500	98,000
47			73,500	77,500	82,000	87,500	93,000	98,500
48			74,000	78,000	83,000	88,000	93,500	99,000
49			74,500	78,500	83,500	88,500	94,000	99,500
50			75,500	79,500	84,000	89,000	94,500	100,000
51			76,000	80,000	84,500	90,000	95,000	100,500
52			76,500	80,500	85,000	90,500	95,500	101,500
53			77,500	81,000	86,000	91,000	96,500	102,000
54			78,000	82,000	86,500	91,500	97,000	102,500
55			78,500	82,500	87,000	92,000	97,500	103,000
56	Gross weight limit on interstate. Gross weight limit on county and other local highways unless designated for more.		79,500	83,000	87,500	92,500	98,000	103,500
57			80,000*	83,500	88,000	93,000	98,500	104,000
58				84,500	89,000	94,000	99,000	104,500
59				85,000	89,500	94,500	99,500	105,000
60				85,500	90,000	95,000	100,500	105,500*
61				86,000	90,500	95,500	101,000	
62				87,000	91,000	96,000	101,500	
63				87,500	92,000	97,000	102,000	
64				88,000	92,500	97,500	102,500	
65				88,500	93,000	98,000	103,000	
66				89,500	93,500	98,500	103,500	
67				90,000	94,000	99,000	104,500	
68				90,500	95,000	99,500	105,000	
69				91,000	95,500	100,500	105,500*	
70				92,000	96,000	101,000		
71				92,500	96,500	101,500		
72				93,000	97,000	102,000		
73				93,500	98,000	102,500		
74				94,500	98,500	103,000		
75				95,000	99,000	104,000		
76				95,500	99,500	104,500		
77				96,000	100,000	105,000		
78				97,000	101,000	105,500*		
79				97,500	101,500			
80				98,000	102,000			
81				98,500	102,500			
82				99,500	103,000			
83				100,000*	104,000			
84					104,500			
85					105,000			
86					105,500*			

*Maximum Gross Weight

Note: On highways other than the Interstate System, only the exterior bridge measurement shall be used to determine the gross vehicle weight of a vehicle or combination of vehicles.

VEHICLE SIZES & WEIGHTS MANUAL

NORTH DAKOTA AXLE WEIGHT LIMITATIONS

1/2012

No single axle shall carry a gross weight in excess of 20,000 pounds. Axles spaced 40 inches or less apart are considered one axle. Axles spaced eight (8) feet apart or over are considered individual axles. The gross weight of two individual axles may be restricted by the weight formula except that on highways other than the interstate, two axles spaced eight (8) feet apart or more may have a combined gross weight not to exceed 40,000 pounds. Spacing between axles shall be measured from axle center to axle center.

Axles spaced over 40 inches apart and less than eight (8) feet apart shall not carry a gross weight in excess of 19,000 pounds per axle. The gross weight on a tandem axle shall not exceed 34,000 pounds. The gross weight of three or more axles in a grouping is determined by the measurement between the extreme axle centers except that on highways other than the interstate, groupings of three or more axles may have a gross weight not to exceed 48,000 pounds.

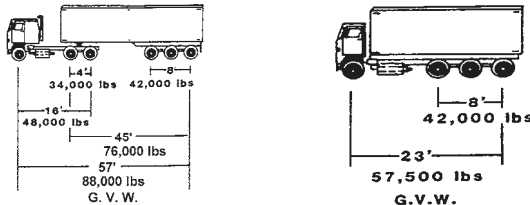
The weight per inch width of tire shall not exceed 550 pounds. Metric tire sizes are converted to inches by dividing millimeters by 25.4. The width of tire for solid tires shall be the rim width. For pneumatic tires the width of tire shall be the manufacturer's width. The weight in pounds on any one wheel shall not exceed one-half the allowable axle weight. Dual tires are considered one (1) wheel.

The weight on the steering axle shall be determined by the manufacturer's axle rating and shall not exceed 20,000 pounds when travel is on the interstate system or on Defense Highways. When travel is on Defense Highways, the load shall be for the US Department of Defense.

Tire Width	Single Axle (2 Tires)	Single Axle (4 Tires)	Tandem Axle (4 Tires)	Tandem Axle (8 Tires)	Triple Axle (6 Tires)	Triple Axle (12 Tires)
7:00	7,700	15,400	15,400	30,800	23,100	Determined by Weight Formula
7:50	8,250	16,500	16,500	33,000	24,750	
8:00	8,800	17,600	17,600	34,000	26,400	
8:25	9,075	18,150	18,150	34,000	27,225	
9:00	9,900	19,800	19,800	34,000	29,700	
10:00	11,000	20,000	22,000	34,000	33,000	
11:00	12,100	20,000	24,200	34,000	Determined by Weight Formula	
12:00	13,200	20,000	26,400	34,000		
13:00	14,300	20,000	28,600	34,000		
14:00	15,400	20,000	30,800	34,000		
15:00	16,500	20,000	33,000	34,000		
16:50	18,150	20,000	34,000	34,000		
17:50	19,250	20,000	34,000	34,000		
18:00	19,800	20,000	34,000	34,000		

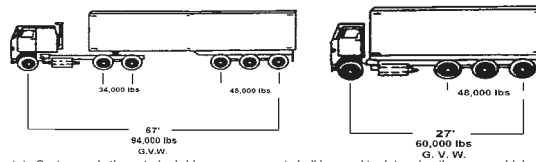
NOTE: Axle weights may be reduced during the spring breakup season or on otherwise posted highways. Axle weights may be reduced by Bridge Load Limitations Map.

Examples of Bridge Formula Application on the Interstate System



Note: On the Interstate System, the interior and exterior bridge measurement shall be used to determine the gross vehicle weight of a vehicle or combination of vehicles.

Examples of Bridge Formula Application on the State Highway System



Note: On highways other than the Interstate System, only the exterior bridge measurement shall be used to determine the gross vehicle weight of a vehicle or combination of vehicles. Groupings of three or more axles may have a gross weight not to exceed 48,000 pounds. See Highway Patrol for additional information on 4-axle straight trucks.

Examples of Metric Tire Conversion

Metric Tire Size	Tire Width in Inches	Metric Tire Size	Tire Width in Inches
245/75R22.5	9.6 inches	315/75R22.5	12.4 inches
255/70R22.5	10.0 inches	385/65R22.5	15.2 inches
265/75R22.5	10.4 inches	425/65R22.5	16.7 inches
275/80R22.5	10.8 inches	445/65R22.5	17.5 inches
285/75R24.5	11.2 inches	455/65R22.5	17.9 inches
295/75R22.5	11.6 inches	465/65R22.5	18.3 inches

Tire Size and Dimensional Definitions	
13 / 80 R 20	
13 =	Tire width (inches)
80 =	Percent of tire width in comparison to height (not used as part of tire width)
R =	Radial
20 =	Rim diameter (inches)
13.8 R 20	
13.8 =	Tire width (inches)
R =	Radial
20 =	Rim diameter (inches)

XXXVI. OHIO

Ohio uses the federal bridge formula to determine maximum gross vehicle weight and maximum axle group weight limits on Ohio highways.

VEHICLE SIZES & WEIGHTS MANUAL

XXXVII. OKLAHOMA

Bridge chart for non-interstate travel

Space	2 Axles	3 Axles	4 Axles	5 Axles	6 Axles	Space
4 to 7 feet	34,000					4-7
8	34,000	42,000				8
9	39,000	42,000				9
10	40,000	43,000				10
11		44,000				11
12		45,000	50,000			12
13		45,000	50,000			13
14		46,000	51,000			14
15		47,000	52,000			15
16		48,000	52,000	58,000		16
17		48,000	53,000	58,000		17
18		49,000	54,000	59,000		18
19		50,000	54,000	60,000		19
20		51,000	55,000	60,000	66,000	20
21		51,000	56,000	61,000	66,000	21
22		52,000	56,000	61,000	67,000	22
23		53,000	57,000	62,000	68,000	23
24		54,000	58,000	63,000	68,000	24
25		54,000	58,000	63,000	69,000	25
26		56,000	59,000	64,000	69,000	26
27		57,000	60,000	65,000	70,000	27
28		59,000	60,000	65,000	71,000	28
29		60,000	61,000	66,000	71,000	29
30		62,000	62,000	66,000	72,000	30
31		63,000	63,000	67,000	72,000	31
32		64,000	64,000	68,000	73,000	32
33			64,000	68,000	74,000	33
34			65,000	69,000	74,000	34
35			66,000	70,000	75,000	35
36			68,000	70,000	75,000	36
37			68,000	71,000	76,000	37
38			69,000	72,000	77,000	38
39			70,000	72,000	77,000	39
40			71,000	73,000	78,000	40
41			72,000	73,000	78,000	41
42			73,000	74,000	79,000	42
43			73,000	75,000	80,000	43
44			73,000	75,000	80,000	44
45			73,000	76,000	81,000	45
46			73,000	76,000	81,000	46
47			73,000	77,000	82,000	47

VEHICLE SIZES & WEIGHTS MANUAL

Bridge chart for non-interstate travel, Continued

Space	2 Axles	3 Axles	4 Axles	5 Axles	6 Axles	Space
48			74,000	78,000	83,000	48
49			74,000	78,000	83,000	49
50			75,000	79,000	84,000	50
51			76,000	80,000	84,000	51
52			76,000	80,000	85,000	52
53			77,000	81,000	86,000	53
54			78,000	81,000	86,000	54
55			78,000	82,000	87,000	55
56			79,000	83,000	87,000	56
57			80,000	83,000	88,000	57
58				84,000	89,000	58
59				85,000	89,000	59
60				85,000	90,000	60

XXXVIII. OREGON

VEHICLE SIZES & WEIGHTS MANUAL

MAXIMUM WEIGHT LIMIT ON INTERSTATE HIGHWAYS (OR CHAP. 734, DIV. 73)

	<div style="display: inline-block; vertical-align: middle; margin-left: 10px;"> <small>OREGON DEPARTMENT OF TRANSPORTATION MOTOR CARRIER TRANSPORTATION DIVISION TRANSPORTATION PERMIT UNIT 550 CAPITOL ST NE SALEM OREGON 97301-2530</small> </div>											<h2 style="margin: 0;">Permit Weight Table 1</h2>					
The following exceptions apply to the table of weights shown below:																	
Exception 1: Two consecutive tandem axles may weigh up to 34,000 pounds each if:																	
Minimum Axle Spacing Required			Interstate Highways						Non-Interstate Highways								
30 feet or more			Permit Required						No Permit Required								
36 feet or more			No Permit Required						No Permit Required								
Exception 2: A group of four axles consisting of a set of tandem axles and two axles spaced nine feet or more apart may have a loaded weight of more than 65,500 pounds and up to 70,000 pounds if:																	
Minimum Axle Spacing Required			Interstate Highways						Non-Interstate Highways								
35 feet or more			Permit Required						No Permit Required								
• Minimum axle spacing is the distance between the first and last axle of any group shown above.																	
Wheelbase In Feet * ▼	Number of Axles						Wheelbase In Feet * ▼	Number of Axles									
	2	3	4	5	6	7 Or More		2	3	4	5	6	7 Or More				
4	34,000	34,000	34,000	34,000	34,000	34,000	31	40,000	59,000	62,500	67,500	72,500	78,000				
5	34,000	34,000	34,000	34,000	34,000	34,000	32	40,000	60,000	63,500	68,000	73,000	78,500				
6	34,000	34,000	34,000	34,000	34,000	34,000	33	40,000	60,000	64,000	68,500	74,000	79,000				
7	34,000	34,000	34,000	34,000	34,000	34,000	34	40,000	60,000	64,500	69,000	74,500	80,000				
8 & less	34,000	34,000	34,000	34,000	34,000	34,000	35	40,000	60,000	65,500	70,000	75,000	80,000				
Over 8	38,000	42,000	42,000	42,000	42,000	42,000	36	40,000	60,000	66,000	70,500	75,500	80,000				
9	39,000	42,500	42,500	42,500	42,500	42,500	37	40,000	60,000	66,500	71,000	76,000	80,000				
10	40,000	43,500	43,500	43,500	43,500	43,500	38	40,000	60,000	67,500	71,500	77,000	80,000				
11	40,000	44,000	44,000	44,000	44,000	44,000	39	40,000	60,000	68,000	72,500	77,500	80,000				
12	40,000	45,000	50,000	50,000	50,000	50,000	40	40,000	60,000	68,500	73,000	78,000	80,000				
13	40,000	45,500	50,500	50,500	50,500	50,500	41	40,000	60,000	69,500	73,500	78,500	80,000				
14	40,000	46,500	51,500	51,500	51,500	51,500	42	40,000	60,000	70,000	74,000	79,000	80,000				
15	40,000	47,000	52,000	52,000	52,000	52,000	43	40,000	60,000	70,500	75,000	80,000	80,000				
16	40,000	48,000	52,500	58,000	58,000	58,000	44	40,000	60,000	71,500	75,500	80,000	80,000				
17	40,000	48,500	53,500	58,500	58,500	58,500	45	40,000	60,000	72,000	76,000	80,000	80,000				
18	40,000	49,500	54,000	59,000	59,000	59,000	46	40,000	60,000	72,500	76,500	80,000	80,000				
19	40,000	50,000	54,500	60,000	60,000	60,000	47	40,000	60,000	73,500	77,500	80,000	80,000				
20	40,000	51,000	55,500	60,500	66,000	66,000	48	40,000	60,000	74,000	78,000	80,000	80,000				
21	40,000	51,500	56,000	61,000	66,500	66,500	49	40,000	60,000	74,500	78,500	80,000	80,000				
22	40,000	52,500	56,500	61,500	67,000	67,000	50	40,000	60,000	75,500	79,000	80,000	80,000				
23	40,000	53,000	57,500	62,500	68,000	68,000	51	40,000	60,000	76,000	80,000	80,000	80,000				
24	40,000	54,000	58,000	63,000	68,500	74,000	52	40,000	60,000	76,500	80,000	80,000	80,000				
25	40,000	54,500	58,500	63,500	69,000	74,500	53	40,000	60,000	77,500	80,000	80,000	80,000				
26	40,000	55,500	59,500	64,000	69,500	75,000	54	40,000	60,000	78,000	80,000	80,000	80,000				
27	40,000	56,000	60,000	65,000	70,000	75,500	55	40,000	60,000	78,500	80,000	80,000	80,000				
28	40,000	57,000	60,500	65,500	71,000	76,500	56	40,000	60,000	79,500	80,000	80,000	80,000				
29	40,000	57,500	61,500	66,000	71,500	77,000	57 or	40,000	60,000	80,000	80,000	80,000	80,000				
30	40,000	58,500	62,000	66,500	72,000	77,500	more										
The loaded weight of any group of axles, vehicle, or combination of vehicles shall not exceed that specified in the table of weights shown above or any of the following:																	
<ul style="list-style-type: none"> • The manufacturer's side wall tire rating but not to exceed 600 pounds per inch of tire width. • 600 pounds per inch of tire width. • 20,000 pounds on any one axle, including any one axle of a group of axles. • 34,000 pounds on any tandem axle. • The sum of the permissible axle, tandem axle, or group of axle weights shown above, whichever is less. 																	
Note exceptions 1 and 2 above.																	

735-9110 (8-02)

Distance measured to the nearest foot; when exactly 1/2 foot or more, round up to the next larger number.

STK# 300557

VEHICLE SIZES & WEIGHTS MANUAL

(a) Exceptions

- The maximum gross vehicle weight shall be 80,000 pounds except where lower gross vehicle weight is dictated by Bridge Weight Table 1.
- The provisions of this rule do not apply to single, or tandem axle weights, or gross weights legally authorized under Oregon law on July 1, 1956. The group of axle requirements established in this section shall not apply to vehicles legally grandfathered under Oregon group of axle weight tables or formulas on January 4, 1975.
- Permits may be issued for two consecutive tandem axles having a loaded weight of 34,000 pounds each, provided the distance between the first and last axles of the two tandem axles is 30 ft or more.
- Permits may be issued for a group of four axles consisting of a set of tandem axles and two axles spaced nine feet or more apart that have a loaded weight of 70,000 lb provided the distance between and first and last axles of the group is 35 feet or more.

XXXIX. PENNSYLVANIA

Maximum gross vehicle weights

Number of Axles	Motor Vehicle (Pounds)
2-axle	38,000
3-axle	58,400
4-axle	73,280

VEHICLE SIZES & WEIGHTS MANUAL

Maximum gross vehicle weights, Continued

Number of Axles	Motor Vehicle (Pounds)
5-axle	73,280
6-axle	77,000
7-axle	80,000

Combination Type	Combination (Pounds)
Two-axle truck tractor & single-axle semitrailer	58,400
Two-axle truck tractor & two-axle semitrailer	73,280
Three-axle truck tractor & single-axle semitrailer	73,280
Two-axle truck & two-axle trailer	73,280

(Vehicles may not exceed manufacturer's weight rating)

Gross weight table

(Axle weight limit when gross weight and registered weight exceed 73,280 pounds)

Center-to-center distance in feet between the first and last axles of any group of 2 or more consecutive axles	Maximum load in pounds carried in any group of 2 or more consecutive axles					
	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles
4	34,000					
5	35,000					
6	36,000					
7	37,000					
8	38,000	42,000				
9	39,000	43,000				
10	40,000	43,500				
11		44,500				
12		45,000	50,000			
13		46,000	50,500			
14		46,500	51,500			
15		47,500	52,000			
16		48,000	52,500	58,000		
17		49,000	53,500	58,500		
18		49,500	54,000	59,500		
19		50,500	54,500	60,000		
20		51,000	55,500	60,500	66,000	
21		52,000	56,000	61,000	66,500	
22		52,500	56,500	62,000	67,000	
23		53,500	57,500	62,500	68,000	

VEHICLE SIZES & WEIGHTS MANUAL

Gross weight table, Continued

(Axle weight limit when gross weight and registered weight exceed 73,280 pounds)

Center-to-center distance in feet between the first and last axles of any group of 2 or more consecutive axles	Maximum load in pounds carried in any group of 2 or more consecutive axles					
	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles
24		54,000	58,000	63,000	68,500	74,000
25		55,000	58,500	63,500	69,000	74,500
26		55,500	59,500	64,500	69,500	75,000
27		56,500	60,000	65,000	70,000	76,000
28		57,000	60,500	65,500	71,000	76,500
29		58,000	61,500	66,000	71,500	77,000
30		58,500	62,000	67,000	72,000	77,500
31		59,500	62,500	67,500	72,500	78,000
32		60,000	63,500	68,000	73,000	78,500
33			64,000	68,500	74,000	79,500
34			64,500	69,500	74,500	80,000
35			65,500	70,000	75,000	80,000
36			68,000	70,500	75,500	80,000
37			68,000	71,000	76,000	80,000
38			68,000	72,000	77,000	80,000
39			68,000	72,500	77,500	80,000
40			68,500	73,000	78,000	80,000
41			69,500	73,500	78,500	80,000
42			70,000	74,500	79,000	80,000
43			70,500	75,000	80,000	80,000
44			71,500	75,500	80,000	80,000
45			72,000	76,000	80,000	80,000
46				77,000	80,000	80,000
47				77,500	80,000	80,000
48				78,000	80,000	80,000
49				78,500	80,000	80,000
50				79,500	80,000	80,000
51 and over				80,000	80,000	80,000

VEHICLE SIZES & WEIGHTS MANUAL

XL. RHODE ISLAND

Distance in feet between the extremes of any group of 2 or more consecutive axles	Maximum load in pounds carried on any group or 2 or more consecutive axles					
	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles
4	44000					
5	44000					
6	44000					
7	44000					
8 and less	44000	44800				
More than 8	44800	44800				
9	44800	44800				
10	44800	44800				
11	44800	44800				
12	44800	45000	50000			
13	44800	46000	50500			
14	44800	46500	51500			
15	44800	47500	52000			
16	44800	48000	52500	58000		
17	44800	49000	53500	58500		
18	44800	49500	54000	59000		
19	44800	50500	54500	60000		
20	44800	51000	55500	60500	66000	
21		52000	56000	61000	66500	
22		52500	56500	61500	67000	
23		53500	57500	62500	68000	
24		54500	58000	63000	68500	74000
25		55000	58500	63500	69000	74500
26		55500	59500	64000	69500	75000
27		56500	60000	65000	70000	76000
28		57000	60500	65500	71000	76500
29		58000	61500	66000	71500	77000
30		58500	62000	66500	72000	77500
31		59500	62500	67500	72500	78000
32		60000	63500	68000	73000	78500
33		61000	64000	68500	74000	79500
34		61500	64500	69000	74500	80000
35		62500	65500	70000	75000	
36		63000	68000	70500	75500	
37		64000	68000	71000	76000	
38		64500	68000	71500	77000	
39		65500	68000	72500	77500	
40		66000	68500	73000	78000	
41			69500	73500	78500	
42			70000	74500	79000	
43			70500	75000	80000	
44			71500	75500		
45			72000	76000		
46			72500	77000		
47			73500	77500		
48			74000	78000		
49			74500	78500		
50			75500	79500		
51			76000	80000		
52			76500			
53			77500			
54			78000			
55			78500			
56			79500			
57			80000			

VEHICLE SIZES & WEIGHTS MANUAL

Permissible gross loads for vehicles in regular operation

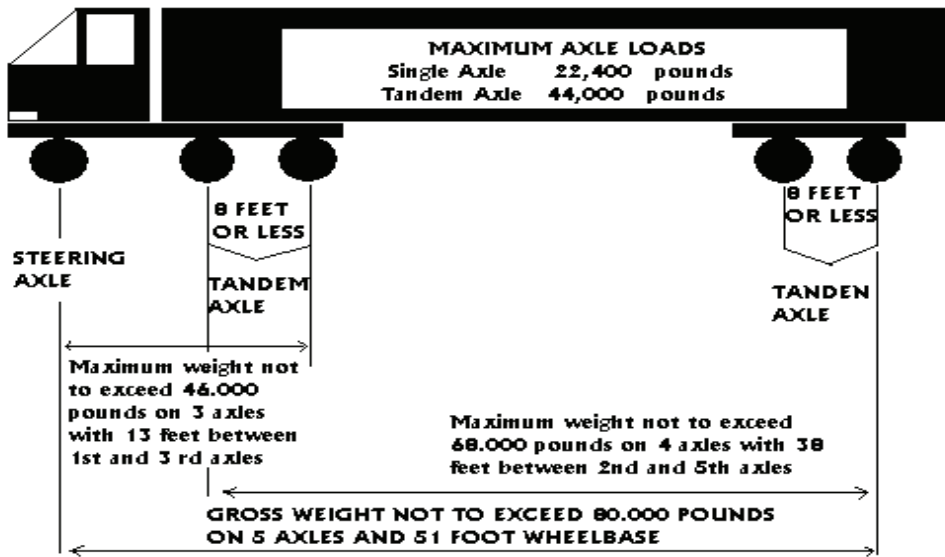
Based on weight formula $W = 500 \left[\frac{LN}{N-1} + 12N + 36 \right]$ modified¹

W = the overall gross weight on any group of two or more consecutive axles to the nearest 500 pounds;

L = the distance in feet between the extremes of any group of two or more consecutive axles;

N = the number of axles in the group under consideration.

¹The permissible loads are computed to the nearest 500 pounds. The modification consists in limiting the maximum load on any single to 22,400 pounds.



XLI. SOUTH CAROLINA

Gross weight of vehicles

The gross weight of a vehicle or combination of vehicles, operated or moved upon any Interstate, highway or section of highway may not exceed: Pounds:

1. Single-unit vehicle with two axles	38,500
2. Single-unit vehicle with three axles	50,600
3. Single-unit vehicle with four axles.....	69,850
4. Single-unit vehicle with five or more axles.....	71,500
5. Combination of vehicles with three axles	55,000
6. Combination of vehicles with four axles	71,500
7. Combination of vehicles with five or more axles	80,608

VEHICLE SIZES & WEIGHTS MANUAL

The gross weight imposed upon the highway by two or more consecutive axles in tandem articulated from a common attachment to the vehicle and spaced not less than 40 inches nor more than 96 inches apart shall not exceed 36,000 pounds, and no one axle of any such group of two or more consecutive axles shall exceed the load permitted for a single axle. The load imposed on the highway by two consecutive axles, individually attached to the vehicle and spaced not less than 40 inches nor more than 96 inches apart, shall not exceed 36,000 pounds and no one axle of any such group of two consecutive axles shall exceed the load permitted for a single axle. The gross weight imposed upon the highway by all axles of a single-unit vehicle with four axles shall not exceed the following:

Distance between the extremes of the front and rear axles measured to the nearest foot	Maximum Gross Weight
At least 12 feet	50,000
At least 13 feet	50,500
At least 14 feet	51,500
At least 15 feet	52,000
At least 16 feet	52,500
At least 17 feet	53,500
At least 18 feet	54,000
At least 19 feet	54,500
At least 20 feet	55,500
At least 21 feet	56,000
At least 22 feet	56,500
At least 23 feet	57,500
At least 24 feet	58,000
At least 25 feet	58,500
At least 26 feet	59,500
At least 27 feet	60,000
At least 28 feet	60,500
At least 29 feet	61,500
At least 30 feet	62,000
At least 31 feet	62,500
At least 32 feet	63,500

The 10% enforcement tolerance applies to the vehicle weight limits specified here except the gross weight on a single axle operated on the Interstate may not exceed 20,000 pounds; the gross weight on a tandem axle operated on the interstate may not exceed 35,200 pounds; and the overall gross weight may not exceed 75,185 pounds, including all enforcement tolerances.

Interstate Single Unit Vehicle with 5 or more Axles Weight Limit

At Least	Bridge Formula	+	10% Tolerance
16 feet	58,000	=	63,800
17 feet	58,500	=	64,350
18 feet	59,000	=	64,900
19 feet	60,000	=	66,000
20 feet	60,500	=	66,500
21 feet	61,000	=	67,100
22 feet	61,500	=	67,650

VEHICLE SIZES & WEIGHTS MANUAL

Interstate Single Unit Vehicle with 5 or more Axles Weight Limit, Continued

At Least	Bridge Formula	+	10% Tolerance
23 feet	62,500	=	68,750
24 feet	63,000	=	69,300
25 feet	63,500	=	69,850
26 feet	64,000	=	70,400
27 feet	65,000	=	71,500
28 feet	65,500	=	71,500
29 feet	66,000	=	71,500
30 feet	66,500	=	71,500
31 feet	67,500	=	71,500
32 feet	68,000	=	71,500
33 feet	68,500	=	71,500
34 feet	69,000	=	71,500
35 feet	70,000	=	71,500
36 feet	70,500	=	71,500
37 feet	71,000	=	71,500
38 feet	71,500	=	71,500

Vehicles with an overall maximum gross weight in excess of 75,185 pounds may operate upon any highway or section of highway in the Interstate System in accordance with the following:

The weight imposed upon the highway by any group of two or more consecutive axles may not, unless specially permitted by the Department, exceed an overall gross weight produced by the application of the following formula:

$$W = 500 \left[\frac{LN}{N-1} + 12N + 36 \right]$$

As an exception, two consecutive sets of tandem axles may carry a gross load of 68,000 pounds if the overall distance between the first and last axles of the consecutive sets of tandem axles is 36 feet or more. Additionally, the gross weight imposed upon the highway by any one axle of a vehicle may not exceed 20,000 pounds, and the gross weight imposed upon the highway by any group of two or more axles spaced not less than forty nor more than 96 inches apart (tandem axle) may not exceed 34,000 pounds, and the overall maximum gross weight except for those vehicles which have been issued special permits by the Department, may not exceed 80,000 pounds. The formula is expressed by the following table:

Distance in feet between the extremes of any group of 2 or more consecutive axles	Maximum load in pounds carried on any group of 2 or more consecutive axles					
	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles
4	35,200					
5	35,200					
6	35,200					

VEHICLE SIZES & WEIGHTS MANUAL

Distance in feet between the extremes of any group of 2 or more consecutive axles	Maximum load in pounds carried on any group of 2 or more consecutive axles					
	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles
7	35,200					
8 and less	35,200	35,200				
more than 8	38,000	42,000				
9	39,000	43,000				
10	40,000	43,500				
11		44,000				
12		45,000	50,000			
13		45,500	50,500			
14		46,500	51,500			
15		47,500	52,000			
16		48,000	52,500	58,000		
17		48,500	53,500	58,500		
18		49,500	54,000	59,500		
19		50,500	54,500	60,000		
20		51,000	55,500	60,500	66,000	
21		51,500	56,000	61,000	66,500	
22		52,500	56,500	61,500	67,000	
23		53,000	57,500	62,500	68,000	
24		54,000	58,000	63,000	68,500	74,000
25		54,500	58,500	63,500	69,000	74,500
26		55,500	59,500	64,000	69,500	75,000
27		56,000	60,000	65,000	70,000	75,500
28		57,000	60,500	65,500	71,000	76,500
29		58,000	61,500	66,000	71,500	77,000
30		58,500	62,000	66,500	72,000	77,500
31		59,500	62,500	67,500	72,500	78,000
32		60,000	63,500	68,000	73,000	78,500
33			64,000	68,500	74,000	79,000
34			64,500	69,000	74,500	80,000
35			65,500	70,000	75,000	
36			68,000	70,500	75,500	
37			68,000	71,000	76,000	
38			68,000	71,500	77,000	
39			68,000	72,500	77,500	
40			68,500	73,000	78,000	
41			69,500	73,500	78,500	
42			70,000	74,000	79,000	
43			70,500	75,000	80,000	
44			71,500	75,500		
45			72,000	76,000		
46			72,500	76,500		

VEHICLE SIZES & WEIGHTS MANUAL

Distance in feet between the extremes of any group of 2 or more consecutive axles	Maximum load in pounds carried on any group of 2 or more consecutive axles					
	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles
47			73,500	77,500		
48			74,000	78,000		
49			74,500	78,500		
50			75,500	79,500		
51			76,000	80,000		
52			76,500			
53			77,500			
54			78,000			
55			78,500			
56			79,500			
57			80,000			

XLII. SOUTH DAKOTA

South Dakota uses the federal bridge formula to determine maximum gross vehicle weight and maximum axle group weight limits on South Dakota highways.

XLIII. TENNESSEE

Tennessee uses the federal bridge formula to determine maximum gross vehicle weight and maximum axle group weight limits on Tennessee highways.

XLIV. TEXAS

Gross weight table

Distance in feet	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles
4	34,000					
5	34,000					
6	34,000					
7	34,000					
8	34,000	34,000				
8+	38,000	42,000				
9	39,000	42,500				
10	40,000	43,500				
11		44,500				
12		45,000	50,000			
13		45,500	50,500			

VEHICLE SIZES & WEIGHTS MANUAL

Gross weight table, Continued

Distance in feet	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles
14		46,500	51,500			
15		47,500	52,000			
16		48,000	52,500	58,000		
17		48,500	53,500	58,500		
18		*49,900	54,000	59,000		
19		*51,400	54,500	60,000		
20		*52,800	55,500	60,500	66,000	
21		*54,000	56,000	61,000	66,500	
22		*54,000	56,500	61,500	67,000	
23		*54,000	57,500	62,500	68,000	
24		54,000	58,700	63,000	68,500	74,000
25		54,500	59,650	63,500	69,000	74,500
26		55,500	60,600	64,000	69,500	75,000
27		56,000	61,550	65,000	70,000	75,500
28		57,000	62,500	65,500	71,000	76,500
29		57,500	63,450	66,000	71,500	77,000
30		58,500	64,000	66,500	72,000	77,500
31		59,000	65,350	67,500	72,500	78,000
32		60,000	66,300	68,500	73,000	78,500
33			67,250	68,500	74,000	79,000
34			* 68,200	69,000	74,500	80,000
35			69,150	70,000	75,000	
36			70,100	70,500	75,500	
37			71,050	*71,050	76,000	
38			72,000	*72,000	77,000	
39			72,000	72,500	77,500	
40			72,000	73,000	78,000	
41			72,000	73,500	78,500	
42			72,000	74,000	79,000	
43			72,000	75,000	80,000	
44			72,000	75,500		
45			72,000	76,000		
46			72,500	76,500		
47			73,500	77,500		
48			74,000	78,000		
49			74,500	78,500		
50			75,500	79,000		
51			76,000	80,000		
52			76,500			
53			77,500			
54			78,000			
55			78,500			
56			79,500			

VEHICLE SIZES & WEIGHTS MANUAL

Gross weight table, Continued

Distance in feet	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles
57			80,000			

* These figures have been carried forward from the table contained in the old law based upon the provisions of Subsection (4), Article 6701d-11, Section 5, V.C.S., as amended by Senate Bill Number 89 of the 64th Legislature. Subsection four (4) as referenced, provides that axle configurations that were legal as of December 16, 1974, would continue to be legal and, further provides that those same configurations would not be denied the benefits of increased allowable weights.

+ These figures only apply to an axle spacing greater than 8 feet but less than 9 feet.

XLV. UTAH

VEHICLE SIZES & WEIGHTS MANUAL

UTAH WEIGHT TABLE
BRIDGE TABLE-B EXTENDED
Based on weight Formula $W = 500 (LN/(N - 1) + 12N + 36)$

Distance in feet between
the extremes of any group
of 2 or more consecutive
Axles.

Maximum Load in Pounds Carried on Any Group
of 2 or more Consecutive Axles

	2 Axles	3 Axles	4 Axles	5 Axles	6 Axles	7 Axles	8 Axles	9 Axles	10 Axles	11 Axles	12 Axles	13 Axles
4	34,000											
5	34,000											
6	34,000											
7	34,000											
8	34,000	34,000										
9	39,000	42,500										
10	43,500	44,000										
11	44,000	45,000	50,000									
12	45,000	50,500	51,500									
13	46,000	51,500	52,000									
14	46,500	52,000	52,500									
15	47,000	52,500	53,000									
16	48,000	53,000	53,500	58,000								
17	48,500	53,500	54,000	58,500								
18	49,500	54,000	54,500	59,000								
19	50,000	54,500	55,000	59,500								
20	51,000	55,000	55,500	60,000	66,000							
21	51,500	55,500	56,000	60,500	66,500							
22	52,500	56,000	56,500	61,000	67,000							
23	53,000	57,000	57,500	62,000	68,000							
24	54,000	58,000	58,500	63,000	69,000	74,000	80,000					
25	54,500	58,500	59,000	63,500	69,500	74,500	80,500					
26	55,500	59,500	59,500	64,000	69,500	75,000	81,000					
27	56,000	60,000	60,000	65,000	70,000	75,500	81,500					
28	57,000	60,500	60,500	65,500	71,000	76,500	82,000					
29	57,500	61,000	61,000	66,000	71,500	77,000	82,500					
30	58,500	62,000	62,000	66,500	72,000	77,500	83,000					
31	59,000	62,500	62,500	67,000	72,500	78,000	83,500					
32	60,000	63,000	63,000	68,000	73,000	78,500	84,000	90,000				
33		64,000	64,000	68,500	74,000	79,000	85,000	90,500				
34		64,500	64,500	69,000	74,500	79,500	85,500	91,000				
35		65,500	65,500	70,000	75,000	80,000	86,000	91,500				
36		66,000	66,000	70,500	75,500	81,000	86,500	92,000	98,000			
37		66,500	66,500	71,000	76,000	81,500	87,000	93,000	98,500			
38		68,000	68,000	72,000	77,000	82,000	87,500	93,500	99,000			
39		68,500	68,500	72,500	77,500	82,500	88,000	94,000	99,500			
40		69,500	69,500	73,000	78,000	83,000	88,500	94,500	100,000	106,000		
41		70,000	70,000	74,000	79,000	84,000	89,000	95,000	100,500	106,500		
42		70,500	70,500	74,500	79,500	84,500	90,000	95,500	101,000	107,000		
43		71,000	71,000	75,000	80,000	85,000	90,500	96,000	101,500	107,500		
44		71,500	71,500	75,500	80,500	85,500	91,000	96,500	102,000	108,000	114,000	
45		72,000	72,000	76,000	81,000	86,000	91,500	97,000	103,000	108,500	114,500	
46		72,500	72,500	76,500	81,500	87,000	92,000	98,000	103,500	109,000	115,000	
47		73,000	73,000	77,000	82,000	87,500	93,000	98,500	104,000	110,000	115,500	
48		74,000	74,000	78,000	83,000	88,000	93,500	99,000	104,500	110,500	116,000	122,000
49		74,500	74,500	78,500	83,500	88,500	94,000	99,500	105,000	111,000	116,500	122,500
50		75,500	75,500	79,000	84,000	89,000	94,500	100,000	105,500	111,500	117,000	123,000
51		76,000	76,000	79,500	84,500	89,500	95,000	100,500	106,000	112,000	117,500	123,500
52		76,500	76,500	80,000	85,000	90,000	95,500	101,000	106,500	112,500	118,000	124,000
53		77,500	77,500	81,000	86,000	91,000	96,500	102,000	107,500	113,000	118,500	124,500
54		78,000	78,000	81,500	86,500	91,500	97,000	102,500	108,000	113,500	119,000	125,000
55		78,500	78,500	82,000	87,000	92,000	97,500	103,000	108,500	114,000	119,500	125,500
56		79,500	79,500	83,000	87,500	92,500	98,000	103,500	109,000	115,000	120,000	126,000
57		80,000	80,000	83,500	88,000	93,000	98,500	104,000	109,500	115,500	121,000	127,000
58				84,000	89,000	94,000	99,000	104,500	110,000	116,000	121,500	127,500
59				85,000	89,500	94,500	99,500	105,000	110,500	116,500	122,000	128,000
60				85,500	90,000	95,000	100,000	105,500	111,000	117,000	122,500	128,500
61				86,000	90,500	95,500	100,500	106,000	111,500	117,500	123,000	129,000
62				87,000	91,000	96,000	101,000	106,500	112,000	118,000	123,500	
63				87,500	91,500	96,500	101,500	107,000	112,500	118,500	124,000	
64				88,000	92,000	97,000	102,000	107,500	113,000	119,000	124,500	
65				88,500	92,500	97,500	102,500	108,000	113,500	119,500	125,000	
66				89,000	93,000	98,000	103,000	108,500	114,000	120,000	125,500	
67				89,500	93,500	98,500	103,500	109,000	114,500	120,500	126,000	
68				90,000	94,000	99,000	104,000	109,500	115,000	121,000	126,500	
69				90,500	94,500	99,500	104,500	110,000	115,500	121,500	127,000	
70				91,000	95,000	100,000	105,000	110,500	116,000	122,000	127,500	
71				92,000	96,000	101,000	106,000	111,000	116,500	122,500	128,000	
72				92,500	96,500	101,500	106,500	111,500	117,000	123,000	128,500	
73				93,000	97,000	102,000	107,000	112,000	117,500	123,500	129,000	
74				93,500	97,500	102,500	107,500	112,500	118,000	124,000		
75				94,500	98,500	103,000	108,000	113,000	118,500	124,500		
76				95,000	99,000	103,500	108,500	113,500	119,000	125,000		
77				95,500	99,500	104,000	109,000	114,000	119,500	125,500		
78				96,000	100,000	104,500	109,500	114,500	120,000	126,000		
79				97,000	101,000	105,000	110,000	115,000	120,500	126,500		
80				97,500	101,500	105,500	110,500	115,500	121,000	127,000		
81				98,000	102,000	106,000	111,000	116,000	121,500	127,500		
82				98,500	102,500	106,500	111,500	116,500	122,000	128,000		
83				99,500	103,000	107,000	112,000	117,000	122,500	128,500		
84				100,000	103,500	107,500	112,500	117,500	123,000	129,000		
85					104,000	108,000	113,000	118,000	123,500			
86					104,500	108,500	113,500	118,500	124,000			
87					105,000	109,000	114,000	119,000	124,500			
88					105,500	109,500	114,500	119,500	125,000			
89					106,000	110,000	115,000	120,000	125,500			
90					107,000	111,000	116,000	121,000	126,000			
91					107,500	111,500	116,500	121,500	126,500			
92					108,000	112,000	117,000	122,000	127,000			
93					108,500	112,500	117,500	122,500	127,500			
94					109,000	113,000	118,000	123,000	128,000			
95					109,500	113,500	118,500	123,500	128,500			
96					110,000	114,000	119,000	124,000				
97					110,500	114,500	119,500	124,500				
98					111,000	115,000	120,000	125,000				
99					111,500	115,500	120,500	125,500				
100					112,000	116,000	121,000	126,000				
101					112,500	116,500	121,500	126,500				

ALL COMBINATIONS OF VEHICLES WITH GROSS
VEHICLE WEIGHTS IN EXCESS OF 80,000 POUNDS MUST
BE IN COMPLIANCE WITH THE UTAH WEIGHT TABLE AND WILL
REQUIRE AN OVERWEIGHT PERMIT

AXLE GROUPS IN
THESE SPACINGS ARE
IMPRACTICAL

The permissible loads are computed to the nearest 500 pounds. The maximum
load on any single axle is 20,000 pounds and 34,000 on a tandem axle.

VEHICLE SIZES & WEIGHTS MANUAL

XLVI. VERMONT

Gross weight table

Distance between the center of the first and center of the last axle of any group of two or more axles	Maximum load in pounds carrier in any group of two or more axles computed to the nearest 500 pounds					
	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles
8 or less	34,000	34,000				
9	39,000	42,500				
10	40,000	43,500				
11		44,000				
12		45,000	50,000			
13		45,500	50,500			
14		46,500	51,500			
15		47,000	52,000			
16		48,000	52,500			
17		48,500	53,500			
18		49,500	54,000			
19		50,000	54,500			
20		51,000	55,500		66,000	
21		51,500	56,000		66,500	
22		52,500	56,500		67,000	
23		53,000	57,500		68,000	
24		54,000	58,000		68,500	74,000
25		54,500	58,500		69,000	74,500
26		55,500	59,500		69,500	75,000
27		56,000	60,000		70,000	75,500
28		57,000	60,500		71,000	76,500
29		57,500	61,500		71,500	77,000
30		58,500	62,000		72,000	77,500
31		59,000	62,500		72,500	78,000
32		60,000	63,500		73,000	78,500
33			64,000		74,000	79,000
34			64,500		74,500	80,000
35			65,500		75,000	80,000
36			66,000	70,500	75,500	80,000
37			66,500	71,000	76,000	80,000
38			67,500	72,000	77,000	80,000
39			68,000	72,500	77,500	80,000
40			68,500	73,000	78,000	80,000
41			69,500	73,500	78,500	80,000
42			70,000	74,000	79,000	80,000
43				75,000	80,000	80,000
44				75,500	80,000	80,000
45				76,000	80,000	80,000
46				76,500	80,000	80,000
47				77,500	80,000	80,000
48				78,000	80,000	80,000

VEHICLE SIZES & WEIGHTS MANUAL

Gross weight table, Continued

Distance between the center of the first and center of the last axle of any group of two or more axles	Maximum load in pounds carrier in any group of two or more axles computed to the nearest 500 pounds					
	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles
49				78,500	80,000	80,000
50				79,000	80,000	80,000
51				80,000	80,000	80,000

XLVII. VIRGINIA

GROSS WEIGHT TABLE

The total legal gross weight imposed upon the highway by a vehicle or combination shall not exceed the maximum weight given for the respective distance between the first and last axle of the group of axles measured longitudinally to the nearest foot as set forth in the following table:

Distance in feet between the extremes of any two or more consecutive axles	Maximum weight in pounds between the extremes of any two or more consecutive axles				
	2 axles	3 axles	4 axles	5 axles	6 axles
4	34,000				
5	34,000				
6	34,000				
7	34,000				
8	34,000	34,000			
9	39,000	42,500			
10	40,000	43,500			
11		44,000			
12		45,000	50,000		
13		45,500	50,500		
14		46,500	51,500		
15		47,000	52,000		
16		48,000	52,500	58,000	
17		48,500	53,500	58,500	
18		49,500	54,000	59,000	
19		50,000	54,500	60,000	
20		51,000	55,500	60,500	66,000
21		51,500	56,000	61,000	66,500
22		52,500	56,500	61,500	67,000
23		53,000	57,500	62,500	68,000
24		54,000	58,000	63,000	68,500
25		54,500	58,500	63,500	69,000
26		55,500	59,500	64,000	69,500
27		56,000	60,000	65,000	70,000
28		57,000	60,500	65,500	71,000
29		57,500	61,500	66,000	71,500
30		58,500	62,000	66,500	72,000

VEHICLE SIZES & WEIGHTS MANUAL

Distance in feet between the extremes of any two or more consecutive axles	Maximum weight in pounds between the extremes of any two or more consecutive axles				
	2 axles	3 axles	4 axles	5 axles	6 axles
31		59,000	62,500	67,500	72,500
32		60,000	63,500	68,000	73,000
33			64,000	68,500	74,000
34			64,500	69,000	74,500
35			65,500	70,000	75,000
36			66,000	70,500	75,500
37			66,500	71,000	76,000
38			67,500	72,000	77,000
39			68,000	72,500	77,500
40			68,500	73,000	78,000
41			69,500	73,500	78,500
42			70,000	74,000	79,000
43			70,500	75,000	80,000
44			71,500	75,500	
45			72,000	76,000	
46			72,500	76,500	
47			73,500	77,500	
48			74,000	78,000	
49			74,500	78,500	
50			75,500	79,000	
51			76,000	80,000	

XLVIII. WASHINGTON

THE FEDERAL BRIDGE FORMULA IS UTILIZED TO DETERMINE THE MAXIMUM GROSS VEHICLE WEIGHTS AND MAXIMUM WEIGHTS OF AXLE GROUPS ALLOWED ON WASHINGTON HIGHWAYS.

Washington will allow legal vehicle weights of up to 105,500 pounds, single axle weights of up to 20,000 pounds, and tandem axle weights of up to 34,000 pounds, as long as the vehicle carrying such weights falls within the axle spacing restrictions of the federal bridge formula.

Vehicle weight table (RCW 46.44.041)

Effective July 27, 1997		3 axles	4 axles	5 axles	6 axles	7 axles	8 axles	9 axles
Feet	2 axles							
4	34,000							
5	34,000							
6	34,000							
7	34,000							
8 & less	34,000	34,000						
over 8	38,000	42,000						
9	39,000	42,500						
10	40,000	43,500						
11	.....	44,000						
12	.....	45,000	50,000					
13	.....	45,500	50,500					

*No vehicle or combination of vehicles shall operate upon the public highways of this state with a gross load on any single axle in excess of 20,000 lb, or upon any group of axles in excess of that set forth in the following table, except that two consecutive sets of tandem axles may carry a gross load of 34,000 lb each, if the overall distance between the first and last axles of such consecutive sets of tandem axles is 36 ft or more.

VEHICLE SIZES & WEIGHTS MANUAL

Vehicle weight table (RCW 46.44.041), Continued

Effective July 27, 1997

Feet	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles	8 axles	9 axles
14	46,500	51,500					
15	47,000	52,000					
16	48,000	52,500	58,000				
17	48,500	53,500	58,500				
18	49,500	54,000	59,000				
19	50,000	54,500	60,000				
20	51,000	55,500	60,500	66,000			
21	51,500	56,000	61,000	66,500			
22	52,500	56,500	61,500	67,000			
23	53,000	57,500	62,500	68,000			
24	54,000	58,000	63,000	68,500	74,000		
25	54,500	58,500	63,500	69,000	74,500		
26	55,500	59,500	64,000	69,500	75,000		
27	56,000	60,000	65,000	70,000	75,500		
28	57,000	60,500	65,500	71,000	76,500	82,000	
29	57,500	61,500	66,000	71,500	77,000	82,500	
30	58,500	62,000	66,500	72,000	77,500	83,000	
31	59,000	62,500	67,500	72,500	78,000	83,500	
32	60,000	63,500	68,000	73,000	78,500	84,500	90,000
33	64,000	68,500	74,000	79,000	85,000	90,500
34	64,500	69,000	74,500	80,000	85,500	91,000
35	65,500	70,000	75,000	80,500	86,000	91,500
36*	66,000	70,500	75,500	81,000	86,500	92,000
37	66,500	71,000	76,000	81,500	87,000	93,000
38	67,500	71,500	77,000	82,000	87,500	93,500
39	68,000	72,500	77,500	82,500	88,500	94,000
40	68,500	73,000	78,000	83,500	89,000	94,500
41	69,500	73,500	78,500	84,000	89,500	95,000
42	70,000	74,000	79,000	84,500	90,000	95,500
43	70,500	75,000	80,000	85,000	90,500	96,000
44	71,500	75,500	80,500	85,500	91,000	96,500
45	72,000	76,000	81,000	86,000	91,500	97,500
46	72,500	76,500	81,500	87,000	92,500	98,000
47	73,500	77,500	82,000	87,500	93,000	98,500
48	74,000	78,000	83,000	88,000	93,500	99,000
49	74,500	78,500	83,500	88,500	94,000	99,500
50	75,500	79,000	84,000	89,000	94,500	100,000
51	76,000	80,500	84,500	89,500	95,000	100,500
52	76,500	80,500	85,000	90,500	95,500	101,000
53	77,500	81,000	86,000	91,000	96,500	102,000
54	78,000	81,500	86,500	91,500	97,000	102,500
55	78,500	82,500	87,000	92,000	97,500	103,000
56	79,500	83,000	87,500	92,500	98,000	103,500
57	80,000	83,500	88,000	93,000	98,500	104,000
58	84,000	89,000	94,000	99,000	104,500
59	85,000	89,500	94,500	99,500	105,000
60	85,500	90,000	95,000	100,500	105,500
61	86,000	90,500	95,500	101,000	105,500
62	86,500	91,000	96,000	101,500	105,500
63	87,500	92,000	96,500	102,000	105,500
64	88,000	92,500	97,500	102,500	105,500

VEHICLE SIZES & WEIGHTS MANUAL

Vehicle weight table (RCW 46.44.041), Continued

Effective July 27, 1997

Feet	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles	8 axles	9 axles
65	88,500	93,000	98,000	103,000	105,500
66	89,000	93,500	98,500	103,500	105,500
67	90,000	94,000	99,000	104,500	105,500
68	90,500	95,000	99,500	105,000	105,500
69	91,000	95,500	100,000	105,500	105,500
70	91,500	96,000	101,000	105,500	105,500
71	92,500	96,500	101,500	105,500	105,500
72	93,000	97,000	102,000	105,500	105,500
73	93,500	98,000	102,500	105,500	105,500
74	94,000	98,500	103,000	105,500	105,500
75	95,000	99,000	103,500	105,500	105,500
76	95,500	99,500	104,500	105,500	105,500
77	96,000	100,000	105,000	105,500	105,500
78	96,500	101,000	105,500	105,500	105,500
79	97,500	101,500	105,500	105,500	105,500
80	98,000	102,000	105,500	105,500	105,500
81	98,500	102,500	105,500	105,500	105,500
82	99,000	103,000	105,500	105,500	105,500
83	100,000	104,000	105,500	105,500	105,500
84	104,500	105,500	105,500	105,500
85	105,000	105,500	105,500	105,500
86 or more	105,500	105,500	105,500	105,500

When inches are involved; under six inches take the lower, 6 inches or over, the higher, except between 8 and 9 feet.

XLIX. WEST VIRGINIA

Gross weight table

Distance in feet between the extremes of any group of two or more consecutive axles	Maximum load in pounds carried on any group of 2 or more consecutive axles				
	2 axles	3 axles	4 axles	5 axles	6 axles
4	34,000				
5	34,000				
6	34,000				
7	34,000				
8	34,000	34,000			
9	39,000	42,500			
10	40,000	43,500			
11		44,000			
12		45,000	50,000		
13		45,500	50,500		
14		46,500	51,500		
15		47,000	52,000		
16		48,000	52,500	58,000	
17		48,500	53,500	58,500	

VEHICLE SIZES & WEIGHTS MANUAL

Gross weight table, Continued

Distance in feet between the extremes of any group of two or more consecutive axles	Maximum load in pounds carried on any group of 2 or more consecutive axles				
	2 axles	3 axles	4 axles	5 axles	6 axles
18		49,500	54,000	59,000	
19		50,000	54,500	60,000	
20		51,000	55,500	60,500	66,000
21		51,500	56,000	61,000	66,500
22		52,500	56,500	61,500	67,000
23		53,000	57,500	62,500	68,000
24		54,000	58,000	63,000	68,500
25		54,500	58,500	63,500	69,000
26		55,500	59,500	64,000	69,500
27		56,000	60,000	65,000	70,000
28		57,000	60,500	65,500	71,000
29		57,500	61,500	66,000	71,500
30		58,500	62,000	66,500	72,000
31		59,000	62,500	67,500	72,500
32		60,000	63,500	68,000	73,000
33			64,000	68,500	74,000
34			64,500	69,000	74,500
35			65,500	70,000	75,000
36			66,000	70,500	75,500
37			66,500	71,000	76,000
38			67,500	72,000	77,000
39			68,000	72,500	77,500
40			68,500	73,000	78,000
41			69,500	73,500	78,500
42			70,000	74,000	79,000
43			70,500	75,000	80,000
44			71,500	75,500	80,500
45			72,000	76,000	81,000
46			72,500	76,500	81,500
47			73,500	77,500	82,000
48			74,000	78,000	83,000
49			74,500	78,500	83,500
50			75,500	79,000	84,000
51			76,000	80,000	84,500
52			76,500	80,500	85,000
53			77,500	81,000	86,000
54			78,000	81,500	86,500
55			78,500	82,500	87,000
56			79,500	83,000	87,500
57			80,000	83,500	88,000
58				84,000	89,000
59				85,000	89,500

VEHICLE SIZES & WEIGHTS MANUAL

Gross weight table, Continued

Distance in feet between the extremes of any group of two or more consecutive axles	Maximum load in pounds carried on any group of 2 or more consecutive axles				
	2 axles	3 axles	4 axles	5 axles	6 axles
60				85,500	90,000

L. WISCONSIN

VEHICLE SIZES & WEIGHTS MANUAL

MAXIMUM WEIGHT LIMITATIONS CHART Vehicle Not In Combination

Column **A** - Distance in Feet between foremost and rearmost axles of a group
 Column **B** - **2** consecutive axles: of a 2-axle vehicle;
 OR of any vehicle having a total of 3 or more axles
 Column **C** - **3** consecutive axles: of a 3-axle vehicle;
 OR of any vehicle having a total of 4 or more axles
 Column **D** - **4** consecutive axles: of a 4-axle vehicle;
 OR of any vehicle having a total of 5 or more axles

Column **E** - **5** consecutive axles: of a 5-axle vehicle;
 OR of any vehicle having a total of 6 or more axles
 Column **F** - **6** consecutive axles of any vehicle having a total
 of 6 or more axles
 Column **G** - **7** consecutive axles: of a 7-axle vehicle;
 OR of any vehicle having a total of 7 or more axles
 Column **H** - **8** consecutive axles: of an 8-axle vehicle;
 OR of any vehicle having a total of 8 or more axles

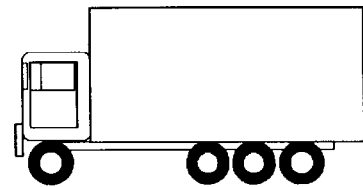
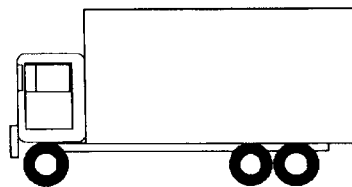
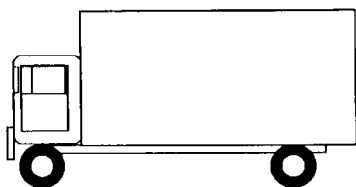
Maximum Gross Weight in Pounds on a Group of Axles

A - Feet	B - 2 axles	C - 3 axles	D - 4 axles	E - 5 axles	F - 6 axles	G - 7 axles	H - 8 axles
4	34,000						
5	34,000						
6	34,000						
7	34,000	37,000					
7.5-8	35,000	38,500					
8.1-8.4	38,000	42,000					
9	39,000	43,000					
10	40,000*	43,500					
11		44,500					
12		45,000	55,500				
13		46,000	60,000				
14		46,500	60,500				
15		47,500	61,500				
16		48,000	62,000	64,200			
17		49,000	63,000	71,700			
18		49,500	63,500	72,200			
19		50,500	64,500	73,000			
20		51,500	65,000	73,000	73,000		
21		52,200	66,000	73,000	73,000	73,000	
22		52,900	66,500	73,000	73,000	73,000	
23		53,600	67,500	73,000	73,000	73,500	
24		54,300	68,500	73,000	73,000	74,000	
25		55,000	69,000	73,000	73,000	74,500	80,000
26		55,700	69,500	73,000	73,000	75,000	80,000
27		56,500	70,500	73,000	73,000	76,000	80,000
28		57,100	71,300	73,000	73,000	76,500	80,000
29		58,000	72,000	73,000	73,000	77,000	80,000
30		58,500	72,700	73,000	73,000	77,500	80,000
31		59,500	73,000	73,000	73,000	78,000	80,000
32		60,000**	73,000**	73,000**	73,000**	78,500	80,000**
33						79,500	
34						80,000***	

Instructions: Use this chart to determine maximum gross weight in pounds, on a group of axles for a vehicle not in combination, on Class "A" highways. See examples of vehicles below.

* Maximum at 10 or more feet between axles
 ** Maximum at 32 or more feet between axles
 *** Maximum at 34 or more feet between axles

20,000 pounds for a single axle



VEHICLE SIZES & WEIGHTS MANUAL

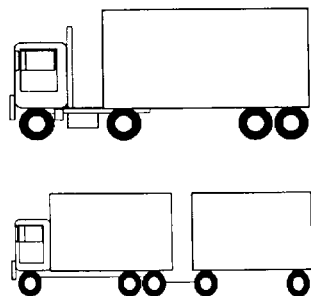
MAXIMUM WEIGHT LIMITATIONS CHART Combination of Vehicles

- Column **A** - Distance in Feet between foremost and rearmost axles of a group
 Column **B** - 2 consecutive axles of any combination of vehicles having a total of 3 or more axles
 Column **C** - 3 consecutive axles of any combination of vehicles having a total of 4 or more axles
 Column **D** - 4 consecutive axles of any combination of vehicles having a total of 5 or more axles
 Column **E** - 5 consecutive axles of any combination of vehicles having a total of 5 or more axles
 Column **F** - 6 consecutive axles of any combination of vehicles having a total of 6 or more axles
 Column **G** - 7 consecutive axles of any combination of vehicles having a total of 7 or more axles
 Column **H** - 8 consecutive axles of any combination of vehicles having a total of 8 or more axles

Maximum Gross Weight in Pounds on a Group of Axles

A - Feet	B - 2 axles	C - 3 axles	D - 4 axles	E - 5 axles	F - 6 axles	G - 7 axles	H - 8 axles
4	34,000						
5	34,000						
6	34,000						
7	34,000	37,000					
7.5-8	35,000	38,500					
8.1-8.4	38,000	42,000					
9	39,000	43,000					
10	40,000*	43,500	48,500				
11		44,500	49,500				
12		45,000	50,000				
13		46,000	50,500	62,500			
14		46,500	51,500	62,500			
15		47,500	52,000	62,500			
16		48,000	52,500	62,500			
17		49,000	53,500	63,200	64,000		
18		49,500	54,100	64,400	65,000		
19		50,500	55,100	65,000	65,500		
20		51,500	56,000	65,700	66,000		
21		52,200	56,800	66,900	66,900	73,000	
22		52,900	57,600	67,700	67,700	73,000	
23		53,600	58,400	68,900	68,900	73,500	
24		54,300	59,200	70,000	70,000	74,000	
25		55,000	60,000	71,000	71,000	74,500	80,000
26		55,700	60,800	72,000	72,000	75,000	80,000
27		56,500	61,600	72,800	72,800	76,000	80,000
28		57,100	62,400	73,000	73,000	76,500	80,000
29		58,000	63,200	73,000	73,000	77,000	80,000
30		58,500	64,000	73,000	73,000	77,500	80,000
31		59,500	64,000	73,000	73,000	78,000	80,000
32		60,000**	64,000	73,000	73,000	78,500	80,000**
33			64,000	73,000	74,000	79,500	
34			64,500	73,000	74,500	80,000***	
35			65,500	73,000	75,000		
36			66,000	73,000	75,500		
37			66,500	73,000	76,000		
38			67,500	73,000	77,000		
39			68,000	73,000	77,500		
40			68,500	73,000	78,000		
41			69,500	73,500	78,500		
42			70,000	74,500	79,000		
43			70,500	75,000	80,000		
44			71,500	75,500	80,000		
45			72,000	76,000	80,000		
46			72,500	77,000	80,000		
47			73,500	77,500	80,000		
48			74,000	78,000	80,000		
49			74,500	78,500	80,000		
50			75,500	79,500	80,000		
51			76,000****	80,000****	80,000****		

Instructions: Use this chart to determine maximum gross weight in pounds, on a group of axles for a combination of vehicles, on Class "A" highways...
 See examples of combination of vehicles below.
 * Maximum at 10 or more feet between axles
 ** Maximum at 32 or more feet between axles
 *** Maximum at 34 or more feet between axles
 **** Maximum at 51 or more feet between axles



2 consecutive sets of tandem axles may impose on the highway a gross load of 34,000 pounds each if the overall distance between the first and last axles of such consecutive sets of tandem axles is 36 feet or more [348.15(3)(d)]

VEHICLE SIZES & WEIGHTS MANUAL

LI. WYOMING

See "Wyoming" tab for weight limits.

VEHICLE SIZES & WEIGHTS MANUAL

Reserved

VEHICLE SIZES & WEIGHTS MANUAL



I. ALABAMA

(a) Weigh Scale Locations/Ports of Entry

All commercial vehicles must stop at weigh stations.

Weigh Scales

Route	Location
I-20	Alabama-Georgia state line

Ports of Entry

There are no Ports of Entry maintained by the State of Alabama.

II. ALASKA

(a) Weigh Scale Locations/Ports of Entry

In Alaska all trucks must stop for weighing and vehicle inspection where an official highway sign indicates that a weigh station is in operation. "Truck" means a motor vehicle of more than 10,000 pounds gross vehicle weight rating designed, used, or maintained primarily for the movement of a load. There are no qualified motor vehicles exempt from having to stop at a station.

Weigh Scales

Location	Phone	Fax
Glenn Outbound	(907) 428-1333	(907) 428-2199
Glenn Inbound	(907) 428-2064	(907) 428-0789
Potter (Seward Hwy.)	(907) 345-1184	(907) 345-8252
Sterling	(907) 262-5400	(907) 262-4903
Tok (Alaska Hwy.)	(907) 883-4591	(907) 883-4318
Fox (Steese, Elliott)	(907) 457-8505	(907) 457-5610
Ester (Parks Hwy.)	(907) 479-5087	(907) 474-4248

Ports of Entry

The following is a list of Alaska Ports of Entry, which are referred to as Marine Highway Ports or Marine Ports of Entry. (Area Code - 907)

Marine highway ports

Highway Location	Hospital/Clinic	Phone	Troopers	Police
Cordova	Community	424-3242	424-7331	424-7475
Juneau	Juneau Borough	586-2611	789-2164	586-3300
Ketchikan	Ketchikan General	225-5171	225-5118	225-6631

VEHICLE SIZES & WEIGHTS MANUAL

Marine highway ports

Highway Location	Hospital/Clinic	Phone	Troopers	Police
Kodiak	Griffin Memorial	486-2281	486-4121	486-3221
Kodiak	Navy Dispensary	587-5757	486-4121	486-3221
Petersburg	Petersburg General	772-4291	772-3100	772-3838
Sitka	Community	747-3440	747-6611	747-3245
Sitka	USPHS	747-6267	747-6611	747-3245
Skagway	Nurse Only	983-2418	.....	983-2301
Wrangell	Wrangell General	844-3356	.....	874-3304

III. ARIZONA

(a) Weigh Scale Locations/Ports of Entry

Arizona requires all commercial motor vehicles operating in the state for the transportation of passengers or property for compensation, or in the conduct of business, to stop and report at the state weigh scales. The only vehicles exempt from stopping are passenger cars, station wagons and ¾ ton or less pickups or vans.

Portable scales are also used to check compliance with legal weight limits.

Weigh Scales

Route	Location
I-8 EB	Yuma
Bus I-8 WB	Yuma
I-10	Ehrenberg
I-10	San Simon
I-15	St. George
I-19	Nogales
I-40	Topock
I-40	Sanders
I-93	Kingman
US 70	Duncan
US 72	Parker
US 89	Page

Ports of Entry

Route	Location
I-8	Yuma
I-10	Ehrenberg
I-10	San Simon
I-15	St. George

VEHICLE SIZES & WEIGHTS MANUAL

Route	Location
I-19	Nogales
I-40	Sanders
I-93	Kingman
US 60	Springerville
US 70	Duncan
US 80	Douglas
US 89A	Fredonia
US 89	Page
US 95	Parker
I 40	Topock
US 160	Teec Nos Pos
14370 W. Van Buren	Goodyear

IV. ARKANSAS

(a) Weigh Scale Locations/Ports of Entry

Any vehicle or vehicles of 10,001 pounds or larger must enter weigh stations. Drivers are required to pull in and follow the directions on the message board but they may not be required to stop.

Portable scales are also used to check compliance with the legal weight limits.

Weigh Scales

Route	Location
I-30	West of Hope
I-40	8 miles West of West Memphis (Lehi)
I-40	Alma
I-55 South	South of Jct. US 64 & I-55 near Marion
US 71 & 412	Springdale
US 71	Ashdown
I-55 North	West Memphis—Bridgeport
I-40 West	West Memphis—Riverside

Ports of Entry

Route	Location
I-30	West of Hope—Guernsey
I-40	Alma
I-40	8 miles West of West Memphis (Lehi)
I-55	Marion
US 71	Springdale
US 71	Ashdown
I-55 North	West Memphis—Bridgeport
I-40 West	West Memphis—Riverside

VEHICLE SIZES & WEIGHTS MANUAL

V. CALIFORNIA

(a) Weigh Scale Locations/Ports of Entry

Every driver of a “commercial vehicle” is required to stop and submit the vehicle to an inspection of the size, weight, equipment, and smoke emissions of the vehicle at any location where members of the CA Highway Patrol are conducting tests and inspections of commercial vehicles and when signs are displayed requiring the stop.

A “commercial vehicle” is defined as a motor vehicle of a type registered to be used or maintained for the transportation of persons for hire, compensation, or profit and designed, used or maintained primarily for the transportation of property. Any vanpool vehicle or passenger vehicle not used for the transportation of persons for hire, compensation, or profit and housecars are not commercial vehicles.

Portable scales are also used to check compliance with the legal weight limits.

Weigh Scales

Route	Location	Phone
S 4	Murphys – WB	(209) 728-1306
I-5	Castaic – NB*	(661) 294-5530
I-5	Santa Nella – NB, SB	(209) 854-2661 NB (209) 854-1678 SB
I-5	*Dunsmuir Grade – SB	(530) 926-2425
I-5	Cottonwood – NB*, SB	(530) 347-1813 NB (530) 347-5444 SB
I-5	*San Onofre – NB, SB	(760) 430-7700 NB,SB
I-5	Grapevine – SB*	(661) 858-2540
I-7	Calexico – NB*	(960) 768-4000
I-8	Winterhaven - WB	(760) 572-0781
I-10	Desert Hills – WB*, EB	(951) 849-5646 EB,WB
I-15	Cajon – NB, SB	(760) 249-5175 NB (760) 249-6363 SB
I-15	Rainbow – SB, NB*	(951) 506-2020 NB (951) 506-2030 SB
1-50	Camino – WB	(916) 844-2118
S 58	Keene – EB/ Cache Creek – WB	(805) 822-4763 EB (805) 824-2496 WB
S 70	Keddie – WB	(916) 283-2909
I-80	Donner Pass – WB*	(530) 587-1242
I-80	Cordelia – WB, EB	(707) 864-5535 WB (707) 864-5565 EB
I-80	Antelope – WB, EB	(916) 263-3556 EB (916) 263-3557 WB
S 91	Peralta – WB, EB	(714) 283-2614 EB (714) 283-2710 WB

VEHICLE SIZES & WEIGHTS MANUAL

Route	Location	Phone
S 99	Chowchilla River – NB	(559) 665-2904
US-101	Ridgewood – SB	(707) 459-8571
US-101	Little River – SB	(707) 677-0600
US-101	Terra Linda – NB/St. Vincents – SB	(415) 491-1001 NB (415) 491-1002 SB
US-101	*Conejo – NB, SB	(805) 498-3853 SB,NB
US-101	*Gilroy – SB, NB	(408) 683-9086 NB (408) 848-3078 SB
S 108	Lyons Dam – WB	(209) 586-1129
S 299	Whiskeytown – EB	(916) 244-1468
S 299	Buckhorn – WB	(707) 668-5471
I-580	Livermore – WB, EB	(510) 449-8506 EB (510) 449-9527 WB
I-680	Walnut Creek – NB, SB	(925) 646-6585 NB (925) 646-6584 SB
I-680	Mission Grade – NB*	(925) 862-2223
I-880	Nimitz – NB*, SB	(510) 794-3658 NB (510) 794-3660 SB
I-905	Otay Mesa – NB*	(619) 671-3000
10	Black Rock – WB	(760) 922-5022
188	Tecate –NB	(619) 478-2989

*Denotes an Inspection Facility.

Ports of Entry

There are no Ports of Entry maintained by the state of California.

VI. COLORADO

(a) Weigh Scale Locations/Ports of Entry

Weigh station locations in Colorado are also ports of entry.

Every owner or operator of a motor vehicle that is subject to payment of registration fees and every owner or operator of a motor vehicle or combination of vehicles having a manufacturer's gross vehicle weight rating or gross combination weight rating of 26,001 pounds or more is required to secure a valid clearance from the Colorado State Patrol or from a port of entry weigh station before operating such vehicle or combination of vehicles or causing such vehicle or combination of vehicles to be operated on the public highways of Colorado.

The Colorado State Patrol may issue a special revocable permit to the owner or operator of any vehicle being operated over a regularly scheduled route waiving the requirement that the owner or operator seek out and secure a valid clearance at a port of entry weight station not located directly on the route being followed. For the permit to be effective, the vehicle must be operating over a regularly scheduled route that has previously been cleared with the Colorado State Patrol. See <http://tinyurl.com/COrevpermit> for more details.

Portable scales are also used to check compliance with the legal weight limits.

VEHICLE SIZES & WEIGHTS MANUAL

Weigh Scales

Location	Route	Phone
Fort Collins	I-25	(970) 482-1622
Monument	I-25	(719) 481-2281
Trinidad	I-25	(719) 846-2408
Dumont	I-70	(303) 567-4807
Limon	I-70	(719) 775-9758
Loma	I-70	(970) 858-1068
Fort Morgan	I-76	(970) 867-5623
Lamar	US 50	(719) 336-4712
Platteville	US 85	(970) 785-2427
Cortez	US 666	(970) 565-9420

Ports of Entry

Permits required for oversize and overweight movements in Colorado are available at Ports of Entry. They may also be obtained by contacting Golden HQ at (303) 273-1870 prior to entering Colorado.

Location	Highway Number	Zip Code	Phone
Fort Collins	I-25	80525	(970) 482-1622
Monument	I-25	80132	(719) 481-2281
Trinidad	I-25	81082	(719) 846-2408
Dumont	I-70	80436	(303) 567-4807
Limon	I-70	80828	(719) 775-9758
Loma	I-70	81504	(970) 858-1068
Fort Morgan	I-76	80701	(970) 867-5623
Lamar	US 50	81052	(719) 336-4712
Platteville	US 85	80651	(970) 785-2427
Cortez	US 666	81321	(970) 565-9420

VII. CONNECTICUT

(a) Weigh Scale Locations/Ports of Entry

Whenever signs are displayed on a public highway, indicating that a scale is in operation and directing the driver of certain motor vehicles to stop at the weighing area, the driver is required to stop and allow his/her vehicle to be weighed or inspected.

Motor vehicles required to stop at weigh stations in Connecticut include the following:

- Vehicles in **intrastate** commerce that have a gross vehicle weight rating (GVWR) or gross combination weight (GCWR) rating or gross vehicle weight (GVW) or gross combination weight (GCW) of 18,001 or more pounds;
- Vehicles in **interstate** commerce that have a GVWR or GCWR or GVW or GCW of 10,001 pounds or more;
- Vehicles designed or used to transport more than eight passengers, including the driver, for compensation;
- Vehicles designed or used to transport more than 15 passengers for compensation; and

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- Vehicles used in the transportation of hazardous materials in a quantity requiring placarding.

Portable scales are also used to check compliance with the legal weight limits.

Weigh Scales

Route	Location
I-84	Danbury - EB
I-91	Middletown - NB
I-95	Waterford - NB/SB
I-95	Greenwich - NB
I-84	Union - WB

Ports of Entry

There are no Ports of Entry maintained by the state of Connecticut.

VIII. DELAWARE

(a) Weigh Scale Locations/Ports of Entry

All commercial vehicles with a gross vehicle weight rating over 10,000 pounds are required to stop.

Portable scales are used to check compliance with the legal weight limits.

Weigh Scales

Route	Location
US Route 13	Smyrna (Blackbird)
US Route 301	Middletown

Ports of Entry

There are no Ports of Entry maintained by the State of Delaware.

IX. DISTRICT OF COLUMBIA

(a) Weigh Scale Locations/Ports of Entry

Portable scales are used to check compliance with the legal weight limits.

Weigh Scales

Location	Phone
Ft. Totten Transfer Station, 4900 John F. McCormack Rd. NE	(202) 576-6803
Benning Road Solid Waste Disposal, 3200 Benning Rd. NE	(202) 576-6888
I-295	(202) 671-0682

Ports of Entry

There are no Ports of Entry maintained by the District of Columbia.

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X. FLORIDA

(a) Weigh Scale Locations/Ports of Entry

Trucks and truck-trailers and all commercial vehicles (of any weight) are required to stop at open weigh stations.

Portable scales are also used to check compliance with the legal weight limits.

Weigh Scales

Route	Location
I-4	Plant City
I-10	Pensacola
I-10	Sneads
I-10	Madison
I-75	White Springs
I-75	Wildwood
I-75	Punta Gorda
I-95	Yulee #2
I-95	Flagler
I-95	Martin
US 1	Plantation Key
US 1	Hilliard
US 1	Bunnell
US 17	Yulee #1
US 17	East Palatka
US 19	Old Town
US 90	Pensacola
US-92	Lakeland
SR 121	Macclenny
US 441	North of Lake City
SR 60	Hopewell

Ports of Entry

Florida is not a “Port of Entry” state. All permits must be purchased prior to entering Florida, as permits are not sold at scales (except in conjunction with violations).

XI. GEORGIA

(a) Weigh Scale Locations/Ports of Entry

The list of weigh stations has been omitted at the state’s request.

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In Georgia all vehicles, or combination of vehicles (commercial or non-commercial), that are longer than a standard size light duty pick up truck must pull into inspection stations. There is no specific state regulation that specifies a weight threshold as to which vehicles must stop, but there are penalties for refusing to comply. The requirement does not include personal large motor homes or campers.

Weigh Scales

The list of weigh scales has not been included per the state's request.

Ports of Entry

There are no Ports of Entry maintained in the State of Georgia.

XII. HAWAII

(a) Weigh Scale Locations/Ports of Entry

All motor carrier vehicles are required to stop at the scales.

Individual is responsible to obtain weight of vehicle from a private state-certified weighing station for registration purposes.

The only static scale on the island (except for private scales) is at Sand Island Harbor. All motor carrier vehicles are required to stop at the scale.

Weigh Scales

The only static scale on the island (except for private scales) is at Sand Island Harbor. All motor carrier vehicles are required to stop at the scale.

Ports of Entry

All Ports of Entry in Hawaii are water ports.

XIII. IDAHO

(a) Weigh Scale Locations/Ports of Entry

In addition to the permanent weigh stations listed below, Idaho also operates several satellite stations and portable scales to check compliance with legal weight limits.

All vehicles, or combinations of vehicles, with a gross weight of 26,001 pounds or more, and all vehicles hauling hazardous materials and livestock with a gross weight of 10,000 pounds or more, must stop at and clear each "open" Idaho Port of Entry. Loaded vehicles will proceed to the scales for weighing.

Weigh Scales

Location	Route	Phone
Bonnars Ferry; 2 mi N of Bonners Ferry	US 2/95	(208) 267-2486
Cotterel; 20 mi SE of Burley	I-84	(208) 349-5650
E. Boise; 10 miles E of Boise	I-84	(208) 334-3272
Haugan, MT; MT, 15 mi from ID's east border	I-90	(406) 678-4257
Hollister; 20 mi S of Twin Falls	US 93	(208) 655-4413

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Location	Route	Phone
Huetter; 3 mi W of Coeur D'Alene	I-90	(208) 769-1551
Inkom; 8 mi SE of Pocatello	I-15	(208) 775-3322
Lewiston; 5 mi E of Lewiston	US 12/US 95	(208) 799-4824
Sage Junction; 25 mi N of Idaho Falls	I-15 SH 33	(208) 228-3636

Ports of Entry

Name of Weigh Station	Highway No.	Location	Entering From	Mailing Address
Bonnars Ferry	US 2/95	2 miles north of Bonners Ferry	Canada/ WA	P.O. Box 1266, Bonners Ferry, ID 83805 (208) 267-2486
Cotterel	I-84	20 miles southeast of Burley	Utah	P.O. Box E, Rupert, ID 83350 (208) 349-5650
E. Boise	I-84	10 miles east of Boise	Oregon	P.O. Box 8028, Boise, ID 83707-2028 (208) 334-3272
Haugan, MT	I-90	Montana, 15 miles from Idaho's east border	Montana	600 W. Prairie Coeur d'Alene, ID 83814 (406) 678-4257
Hollister	US 93	20 miles south of Twin Falls	Nevada	2618 Rte. 1, U.S. 93, Twin Falls, ID 83301 (208) 655-4413
Huetter	I-90	3 miles west of Coeur D'Alene	Washington	600 W. Prairie, Coeur d'Alene, ID 83814 (208) 769-1551
Inkom	I-15	8 miles southeast of Pocatello	Utah	P.O. Box 278, Inkom, ID 83245 (208) 775-3322
Lewiston	US 12/US 95	5 miles east of Lewiston	Wash/Montana	P.O. Box 837, Lewiston, ID 83501 (208) 799-4824
Sage Junction	I-15 SH 33	25 miles north of Idaho Falls	Montana/ Wyoming	P.O. Box 229, Roberts, ID 83444 (208) 228-3636

XIV. ILLINOIS

(a) Weigh Scale Locations/Ports of Entry

Portable scales are also used to check compliance with the legal weight limits.

In Illinois, ALL vehicles (commercial or non-commercial) greater than 8 tons gross weight must stop and report at weigh scales. The only vehicles exempt from having to stop are emergency vehicles such as fire trucks in the line of duty.

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Weigh Scales

Route	Location	Phone
I-55	Litchfield, MM 56.5	(217) 324-5012
I-55	Williamsville SB, MM 107	(217) 566-3431
I-55	Bolingbrook NB, W of IL 43, MM 267	(630) 759-9829
I-55	Bolingbrook SB, W of IL 53, MM 265	(630) 759-9837
I-55 & 70	Maryville WB, 1 mi. W of IL 59, MM 14	(618) 345-0623
I-57	Peotone NB and SB, MM 330	(708) 258-9385 (SB) (708) 258-9350 (NB)
I-57	Marion NB and SB, MM 47	(618) 964-1978 (NB) (618) 964-1970 (SB)
I-64	O'Fallon EB, W of IL 158, MM 18	(618) 632-8333
I-70	Marshall WB, 5 mi. E of IL 1, MM 151	(217) 826-2683
I-70	Brownstown EB, E of US 51, MM 71	(618) 427-3708
I-74	Carlock EB and WB, E of Carlock, MM 122	(309) 376-4111 (EB) (309) 376-2511 (WB)
I-80	East Moline EB and WB, MM 2	(309) 496-2911 (EB) (309) 496-2915 (WB)
I-80	Frankfort WB, E of US 45, MM 147	(708) 532-9802
I-80	Frankfort EB, W of US 45, MM 143	(708) 479-9821
I-83	Villa Park at St. Charles Rd.	(630) 530-5902
I-280 & I-74	Moline WB & EB, E of US 6, MM 7.5	(309) 799-3825 (EB) (309) 799-3843 (WB)
US 12	Richmond, N of IL 173	(815) 678-4840
US 14	Harvard, 3 mi. N of Harvard	(815) 943-8281
US 30	Chicago Heights, E or Torrence Ave.	(708) 758-9733
US 30	Compton E of US 51	(815) 497-2381
US 36 & 54	Pittsfield, W edge of Pittsfield	(217) 285-5033
US 41	Rosecrans SB, N of IL 173	(847) 395-8742
US 41	Wadsworth, S of IL 173	(847) 360-1457
US 52 & IL 24	Sheldon, E of Sheldon	(815) 429-3170

MM = mile marker

Ports of Entry

There are no Ports of Entry maintained by the State of Illinois.

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XV. INDIANA

(a) Weigh Scale Locations/Ports of Entry

In Indiana, all trucks and trailers must stop and report at weigh scales.

Weigh Scales

Route	Location
I-65	Seymour - NB, SB
I-65	Lowell – SB
I-69	Huntington - SB
I-70	Richmond - WB
I-74	West Harrison - WB
I-94	Chesterton - EB, WB

Ports of Entry

There are no Ports of Entry maintained by the State of Indiana at this time.

XVI. IOWA

(a) Weigh Scale Locations/Ports of Entry

Commercial vehicles over 10,000 pounds must stop at weigh stations.

Weigh Scales

Route	Location
I-29	South of Sioux City, MM 132, Woodbury Co.
I-29	Fremont Co., MM 12
Jct. 38 & Hwy. 218, NB	Jct. 38 & Hwy. 218, NB
I-35	South of Ames, MM 105
I-35	South of Northwood, MM 213
I-35	South of Osceola, MM 30
I 80	East of Avoca, MM 44
I-380	South of Waterloo, MM 54, Buchanan Co. (2 scales)
I-80	MM 151, WB
I-80	East of Van Meter - EB (MM 115, EB)
Hwy. 71	South of Storm Lake, MM 154

Ports of Entry

There are no ports-of-entry maintained by the State of Iowa.

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XVII. KANSAS

(a) Weigh Scale Locations/Ports of Entry

The State of Kansas requires all commercial vehicles, plus any vehicle requested to do so by the Kansas Highway Patrol, to stop and report at weigh scale locations.

Weigh Scales

Station	Location	Phone
21W, Wabaunsee* (scales)	I-70, 1 mi W of McFarland Exit	(785) 765-3365
22W, Wabaunsee* (scales)	I-70, 1 mi W of McFarland Exit	(785) 765-3360
24W(SB), Olathe*(scales)	I-35,5 mi S of Olathe, MP 11	(913) 782-4125
23W(NB), Olathe*(scales)	I-35,5 mi S of Olathe, MP 11	(913) 782-6773
26A, South Haven (scales)	South end of Turnpike, I-35	(316) 892-5249
37A, Liberal	US-54, 5 mi E of Liberal	(316) 624-4431
46, Kanorado (scales)	I-70 near Colorado state line	(785) 399-2772
58, Belleville (scales)	US-81, 1 mi S of Jct. US-36	(785) 527-5159

*Must have proper permits before arriving at these stations.

Ports of Entry

There are no Ports of Entry maintained by the state of Kansas.

XVIII. KENTUCKY

(a) Weigh Scale Locations/Ports of Entry

In Kentucky ALL trucks and commercial vehicles must stop and report at weigh scale locations.

Portable scales are also used to check compliance with the legal weight limits.

Weigh Scales

Route	Location
I-64	Morehead (EB & WB)
I-64	Shelbyville (EB & WB)
I-65	Elizabethtown (NB & SB)
I-65	NB & SB Simpson Co.
I-75	Boone SB
I-75	Kenton SB
I-75	London (NB & SB)
I-75	North of Georgetown (NB & SB)
US 51	Fulton
US 62	Wickliffe
I-24	Lyon Co. (EB & WB)
US 41	Henderson
US 23	Pikeville

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Ports of Entry

There are no Ports of Entry maintained by the State of Kentucky.

XIX. LOUISIANA

(a) Weigh Scale Locations/Ports of Entry

All commercial vehicles rated one ton or greater, except automobiles, private passenger pickup trucks, private passenger vans, recreational vehicles, buses, utility vehicles conveying to or from emergency service restoration due to a natural disaster, and tow trucks, unless the tow truck has a gross vehicle weight rating in excess of 26,000 pounds or is hauling or carrying a vehicle not exempt from stopping, is required to stop at stationary weight enforcement scale locations.

Portable scales are also used to check compliance with legal weight limits.

Weigh Scales

Location	Highway	Phone
Baptist	I-12 EB / WB 1 mi W of I-55, WB (POE)	EB (985) 543-4116; WB (895) 543-4111
Breaux Bridge	I-10 EB / WB 9 mi E Jct. I-49	EB (337) 332-2860; WB (337) 332-0928
Delta	I-20 EB / WB 1 mi W of MS River, WB (POE)	EB (318) 574-1460; WB (318) 574-1461
Greenwood	I-20 EB / WB 1 mi E of LA/TX border, EB (POE)	EB (318) 938-7760; WB (318) 938-1436
Kentwood - Osyka	I-55 NB / SB LA/MS Joint Port Operation, SB (POE)	LA SB (985) 229-2131; MS SB (985) 229-6029; LA NB (985) 229-6425; MS SB (985) 229-7189
LaPlace	I-10 EB / WB 1 mi W Jct. of I-55	EB (985) 652-3618; WB (985) 652-3620
LaPlace	US 61 NB / SB 2 mi E Jct. of US 51	NB/SB (985) 652-3122
Nasa, MS	I-10 EB, Joint Port Operation	(228) 533-5549
Nicholson, MS	I-59 NB, Joint Port Operation	(601) 798-5158, -8735
Pineville	US 71 / 165 Bus SB only .75 miles N of Red River	SB (318) 487-5713
Starks	LA 12 WB / (EB POE) 1.5 miles E of LA/TX Border, EB (POE)	EB/WB (337) 743-6160
Toomey	I-10 EB / WB 1 mi E of LA/TX Border, EB (POE)	EB (337) 589-7071; WB (337) 589-7908

Ports of Entry

Greenwood Pit Scales
Greenwood, Louisiana
Interstate 20

Slidell Pit Scales
Slidell, Louisiana
Interstate 10

Kentwood Pit Scales
Kentwood, Louisiana
Interstate 55

Delta Pit Scales
Delta, Louisiana
Interstate 20

Toomey Pit Scales
Vinton, Louisiana
Interstate 10

Starks Pit Scales
Starks, Louisiana
State Hwy. 12

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XX. MAINE

(a) Weigh Scale Locations/Ports of Entry

In Maine, operators of a bus or truck with a registered gross weight or gross vehicle weight rating greater than 10,000 pounds or subject to the Federal Motor Carrier Safety Administration regulations must stop.

Portable scales are also used to check compliance with the legal weight limits.

Weigh Scales

Route	Location
I-95	NB at York (open intermittently)
I-95	SB at Kittery (open intermittently)

Ports of Entry

There are no Ports of Entry maintained in the State of Maine.

XXI. MARYLAND

(a) Weigh Scale Locations/Ports of Entry

In Maryland, all vehicles with a gross vehicle weight or gross vehicle weight rating greater than 10,000 pounds must stop and report at weigh scales where posted. All vehicles have to obey the traffic control device whether it be a sign or lights, unless directed otherwise by a police officer. Only vehicles that are operating in commerce will be subject to a safety inspection.

Portable scales are also used to check compliance with the legal weight limits.

Weigh Scales

Maryland State Police Inspection Stations

Route	Location	Phone
US 301	Cecilton (SB)	(410) 275-2745
US 1	Conowingo (NB & SB)	(410) 457-0321
US 13	Delmar (NB & SB)	(410) 548-5186
I-68	Finzel (EB)	(301) 689-1850
US 40	Foy Hill (EB)	(410) 642-6880
I-270	Hyattstown (NB & SB)	(301) 428-0603 (NB) (301) 428-0840 (SB)
I-70	New Market (EB)	(301) 865-3601
I-83	Parkton (SB)	(401) 357-5139
US 301	Upper Marlboro (NB & SB)	(301) 627-2205
US 50	Vienna (EB)	(410) 548-5186
I-70	West Friendship (WB)	(410) 442-2495
I-95/495	College Park	(301) 431-2748

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Transportation Authority Police (Commercial Vehicle Safety Unit) Inspection Stations

Route	Location	Phone
I-895	Baltimore Harbor Tunnel (NB & SB)	(410) 537-1374
I-95	Ft. McHenry Tunnel (NB & SB)	(410) 537-1374
I-95	Perryville (NB & SB)	(410) 537-1138 (NB) (410) 537-1129 (SB)
US 40	Thomas J. Hatem Memorial Bridge (EB & WB)	(410) 537-1149
US 50	William Preston Lane, Jr. Memorial Bridge	(410) 537-6602

Ports of Entry

There are no Ports of Entry maintained by the state of Maryland.

XXII. MASSACHUSETTS

(a) Weigh Scale Locations/Ports of Entry

Massachusetts does not have weigh scale locations. The state uses portable scales to ensure compliance with the legal weight limits.

Weigh Scales

Massachusetts does not have weigh scale locations. The state uses portable scales to ensure compliance with legal weight limits.

Ports of Entry

There are no Ports of Entry maintained by the State of Massachusetts.

XXIII. MICHIGAN

(a) Weigh Scale Locations/Ports of Entry

Drivers or owners of commercial vehicles with other vehicles or trailers in combination, a truck or truck-tractor, a truck or truck-tractor with other vehicles in combination, or any special mobile equipment must stop at weigh scales. A commercial vehicle includes all motor vehicles used for the transportation of passengers for-hire, or constructed or used for the transportation of goods, wares, or merchandise, and/or all motor vehicles designed and used for drawing other vehicles.

Weigh Scales

Route	Location
I-69	Coldwater, NB
I-75	Erie (Detroit-Toledo Expressway)
I-75	Pontiac (2 locations)
I-75	Birch Run (2 locations)
I-94	Grass Lake (2 locations)
I-94	New Buffalo

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Route	Location
I-94	New Baltimore (2 locations)
I-96	Ionia (2 locations)
I-96	Fowlerville (2 locations)
US 12	Jct. S 50 at Cambridge Junction
US 2, 41	Powers
US 24	Erie

Ports of Entry

No formal Ports of Entry are maintained by the State of Michigan. However, all trucks must weigh in at a weigh station upon entering the state.

XXIV. MINNESOTA

(a) Weigh Scale Locations/Ports of Entry

Drivers of trucks or combinations of vehicles registered for or with a gross vehicle weight exceeding 10,000 pounds must stop at weigh scales.

Portable scales are also used to check compliance with the legal weight limits.

Weigh Scales

Route	Location
I-90	½ mi east of Worthington
US 2	Erskine
US 2, MN33	Saginaw, west of Duluth
MN3	3 mi south of Rosemount
I-94 EB	5 mi east of ND line near Moorhead
I-94	Red River
I-94	St. Croix

Ports of Entry

There are no Ports of Entry maintained in the State of Minnesota.

XXV. MISSISSIPPI

(a) Weigh Scale Locations/Ports of Entry

Owners, operators, or drivers of any carrier of property having a gross vehicle weight in excess of 10,000 pounds must stop at inspection stations.

Weigh Scales

Station Location	Phone (Area Code 601)
Y-99*; Bovina S; I-20 (EB) - 8 mi E of LA Line	636-0101

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Station Location	Phone (Area Code 601)
Y-100*; Bovina N; I-20 (WB) - 10 mi E of LA line	636-0780
B-94; Lula; U.S. 49 - 2 ½ mi from Arkansas Line	337-9924
B-96; Olive Branch N; U.S. 78 (EB) - 3 mi S of TN Line	895-9924
B-97; Olive Branch S; U.S. 78 (WB) - 3 mi S of TN Line	895-9909
B-98*; Nesbit W; I-55 (SB) - 7 mi S of TN Line	429-9837
B-99*; Nesbit E; I-55 (NB) - 7 mi S of TN Line	429-9842
T-94; Luka S; U.S. 72 - 2 ½ mi W of AL Line	423-1832
T-95; Luka N; U.S. 72 - 2 ½ mi W of AL Line	423-1831
T-97; Corinth E; U.S. 45 Bypass (NB) - 2 mi S of TN Line	286-9068
T-98; Corinth W; U.S. 45 Bypass (SB) - 2 mi S of TN Line	286-9092
T-92; Fulton S; U.S. 78 (EB) - 14 mi W of AL Line	862-7231
T-93; Fulton N; U.S. 78 (WB) 14 mi W of AL line	862-7230
N-98; Kewanee; U.S. 80 - 1 mi W of AI Line	632-9323
N-99*; Kewanee S; I-59 & I-20 (EB) - 2 mi W of AI Line	632-9321
N-100*; Kewanee N; I-59 & I-20 (WB) - 2 mi W of AL Line	632-9320
H-98; Lucedale N; U.S. 98 (WB) - 1 ½ mi AL line	947-1221
H-99; Lucedale S; U.S. 98 (EB) 1 ½ mi AL line	947-1242
G-97*; Nicholson W; I-59 (SB) - 1 mi E of LA Line	798-9893
G-98*; Nicholson E; I-59 (NB) - 1 mi E of LA Line	798-9928
G-95*; NASA S; I-10 (EB) - 1 mi E of LA Line	533-5564
G-96*; NASA N; I-10 (WB) - 1 mi E of LA Line	533-5549
G-92*; Orange Grove S; I-10 (EB) - 1 mi W of AL Line	475-3093
G-93*; Orange Grove N; I-10 (WB) - 1 mi W of AL Line	475-3095
M-95*; Osyka E; I-55 (NB) - 2 mi N of LA Line	542-9719
M-96*; Osyka W; I-55 (SB) - 2 mi N of LA Line	542-9722
M-97; Centreville; MS 33 - 6 mi N of LA line	645-9109

*Dual stations - Interstate highways

Ports of Entry

Same as Weight Scale Locations.

XXVI. MISSOURI

(a) Weigh Scale Locations/Ports of Entry

Portable scales are also used to check compliance with the legal weight limits.

In Missouri all vehicles registered in excess of 18,000 pounds are required to stop at Missouri weigh stations. Vehicles licensed for 18,000 pounds or less are only required to stop when directed to do so by a law enforcement officer.

Vehicles exempt from stopping are those licensed for 18,000 pounds or less, and other vehicles not licensed for weight such as passenger cars.

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Weigh Scales

Route	Location	Route	Location
I-29	3.5 mi N of Platte City (Platte City), mi marker 24	I-55	10 mi N of AR line (Steele), or 1 mi north of SR64
I-35	2.6 mi S of IA border (Watson), mi marker 121	I-57	3.5 mi W of MS River (Charleston), mi marker 18
I-35	4 mi S of S 92 (Kearney), mi marker 22.5	I-70	Just E of Rt. W (Foristell), mi marker 204
I-35	4 mi S of IA border (Eagleville), mi marker 110	I-70	Mayview mi marker 43
I-44	2 mi W of S 30 (St. Clair), mi marker 238 (WB) St. Clair (EB)	I-155	7.2 mi E of I-55 (Caruthersville), mi marker 8
I-44	Just E of OK border (Joplin), mi marker 3	US 36	3 mi E of St. Joseph (Buchanan)
I-55	Just S of Rt. M (Barnhart), mi marker 184	US 60 & 63	1.5 mi S of TX County line (Willow Springs)
		US 71	0.5 mi N of Jct. S 7 (Harrisonville)

Ports of Entry

There are no Ports of Entry maintained by the State of Missouri.

XXVII. MONTANA

(a) Weigh Scale Locations/Ports of Entry

In Montana all vehicles (not just commercial vehicles) registered at 14,000 pounds and more must stop and report at weigh scales. Vehicles exempted from stopping are passenger cars and pickup trucks that weigh under 14,000 pounds, and recreational vehicles (except for new or used recreational vehicles traveling into or through Montana for delivery to a distributor or dealer).

Effective October 1, 2011, the Montana Department of Transportation may require all trucks and commercial motor vehicles of 26,000 pounds gross vehicle weight or greater to enter weigh stations. The Department may also require vehicles over 10,000 pounds to be inspected and weighed by portable scale crews.

Portable scales are also used to check compliance with the legal weight limits.

Weigh Scales

Route	Location	Phone (Area Code 406)
I-15	Lima	276-3429
I-15	Coutts, Alberta - joint port	(403) 344-3755, -5063
I-15	Great Falls/Gore Hill	727-2735
I-15	Helena	458-8640
I-15	Shelby	434-7045
I-15/I-90	Butte	782-8985 (EB) 533-6699 (WB)
I-90	Billings	657-0204 (EB), -0203 (WB)
I-90	Haugan (joint ID & MT port)	678-4257, -4258
I-90	Bozeman	587-0727

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Route	Location	Phone (Area Code 406)
I-90	Crow	638-2210
I-90	Dietz	(307) 674-2350
I-94	Wibaux	345-8254
US 2	Culbertson	787-5323
US 2	Kalispell	257-2684
US 2/37	Libby	295-5131
US 87	Havre	265-9033
US 212	Broadus	436-2531
US 83/MT 200	Clearwater	244-5460
MT 200	Armington	738-4261

Ports of Entry

There are no Ports of Entry maintained by the state of Montana.

XXVIII. NEBRASKA

(a) Weigh Scale Locations/Ports of Entry

Nebraska requires the following vehicles to stop at weigh scales:

- Pickup trucks with trailers;
- All vehicles displaying a USDOT number; and
- All straight trucks and tractor-semitrailer combinations.

Portable scales are also used to check compliance with the legal weight limits.

Weigh Scales

Route	Location	Phone
I-80	Waverly (EB)	(402) 786-7084
I-80	Waverly (WB)	(402) 786-7091
I-80	North Platte (EB)	(308) 535-6612
I-80	North Platte (WB)	(308) 535-6606
US 2	Nebraska City	(402) 873-1549
US 6	Waverly	(402) 786-2681
US 20, US 275	O'Neill	(402) 394-5445
US 30	North Platte	(308) 535-8040
US 77	8 mi North of Fremont	(402) 654-2801
US 136	Hebron	(402) 768-7236

Ports of Entry

There are no Ports of Entry maintained in the State of Nebraska.

VEHICLE SIZES & WEIGHTS MANUAL

XXIX. NEVADA

(a) Weigh Scale Locations/Ports of Entry

The State of Nevada does not maintain permanent weigh stations. Portable scales are used to check compliance with the legal weight limits. All commercial vehicles must stop and report, no exceptions.

Weigh Scales

Nevada does not maintain permanent weigh scales. Portable scales are used to check compliance with legal weight limits.

Ports of Entry

There are no ports of entry maintained by the State of Nevada.

XXX. NEW HAMPSHIRE

(a) Weigh Scale Locations/Ports of Entry

Operators of commercial vehicles 10,001 pounds and over or vehicles hauling placarded hazardous materials must stop at open weigh scales.

Forty portable scale units are also used to check compliance with the legal weight limits.

Weigh Scales

Route	Location
I-93 NB, SB	Windham - between Exit 3 and Exit 4
I-89 NB, SB	Lebanon - between Exit 18 and Exit 19
US 101 EB, WB	Epping (east of Raymond)

Ports of Entry

New Hampshire maintains one port of entry on Route 3 at the United States — Quebec, Canada border.

XXXI. NEW JERSEY

(a) Weigh Scale Locations/Ports of Entry

Portable scales are also used to check compliance with the legal weight limits.

New Jersey requires all commercial motor vehicles to stop and report at weigh scale locations. The only vehicles not required to stop are non-commercial tagged vehicles.

Weigh Scales

Route	Locations
I-78	EB and WB at mile marker 3.0
I-80	EB 1 mile E of the Pennsylvania State Line
I-287	NB at mile marker 9.0
I-295	NB at mile marker 3.6, Carney's Point

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Ports of Entry

New Jersey does not maintain formal Ports of Entry.

XXXII. NEW MEXICO

(a) Weigh Scale Locations/Ports of Entry

All commercial motor vehicles must stop at the weigh stations.

Weigh Scales

Route	Location
I-10	Anthony, North of El Paso (EB, WB)
I-10	Lordsburg (EB, WB)
I-25	Raton (NB, SB)
I-40	San Jon, Gallup exit (EB, WB)
I-40	Gallup (EB, WB)
US 54	Nara Visa (WB)
US 54	Orogrande
US 54, US 285/60	Vaughn
US 60, 70 US 84	Texico (WB)
US 62, US 180	Hobbs near Texas border
US 56, US 67, US 87	Clayton
US 62 & 180	Carlsbad
US 380	Tatum
US 666	Shiprock (Rt. 504)
Pete V Domenici Hwy.	Santa Teresa

Portable scales are also used to check compliance with the legal weight limits.

Ports of Entry

All commercial motor carrier vehicles must enter, leave, or travel through the state on designated highways and must stop at every port-of-entry for manifesting and clearance stickers.

Anthony Port of Entry (I-10) Telephone: (505) 882-2471	Nara Visa Port of Entry (US 54) Telephone: (505) 633-2929
Carlsbad Port of Entry (US 62 & 180) Telephone: (505) 885-2026	Raton Port of Entry (I-25) Telephone: (505) 445-8419
Clayton Port of Entry (US 64, 56 & 87) Telephone: (505) 374-9341	San Jon Port of Entry (I-40) Telephone: (505) 576-2463
Gallup Port of Entry (I-40) Telephone: (505) 863-2365	Shiprock Port of Entry (US 666) Telephone: (505) 368-4429
Hobbs Port of Entry (US 62 & 180) Telephone: (505) 393-4362	Texico Port of Entry (US 60, 70, 84) Telephone: (505) 482-3271

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Lordsburg Port of Entry (I-10)
Telephone: (505) 542-8811

XXXIII. NEW YORK

(a) Weigh Scale Locations/Ports of Entry

New York does not maintain permanent weigh stations. Portable scales are used to check compliance with the legal weight limits. All commercial motor vehicles with a commercial registration must stop at the weigh stations for state police.

Weigh Scales

New York does not maintain permanent weigh scales. Portable scales are used to check compliance with legal weight limits.

Ports of Entry

New York does not maintain any formal Ports of Entry.

XXXIV. NORTH CAROLINA

(a) Weigh Scale Locations/Ports of Entry

A person operating a vehicle or a combination of vehicles having a gross vehicle weight rating of 10,001 pounds or more, or any vehicle transporting placardable hazardous materials, must stop at weigh scales.

Portable scales are also used to check compliance with the legal weight limits.

Weigh Scales

Route	Location
I-26	Hendersonville
I-40	Statesville
I-40	Asheville
I-77	Mt. Airy
I-85	Hillsborough
I-85	Charlotte
I-95	Halifax
I-95	Lumberton

Ports of Entry

North Carolina does not maintain any formal Ports of Entry.

XXXV. NORTH DAKOTA

(a) Weigh Scale Locations/Ports of Entry

Portable scales are also used to check compliance with the legal weight limits.

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The State of North Dakota requires all vehicles (commercial or non-commercial) to stop and report at the weigh scale locations. The only vehicles exempt from stopping are passenger vehicles or motor homes.

Weigh Scales

Route	Location
I-29	Joliette at Jct. ND 5
I-29	Mooreton at Jct. ND 13
I-94	Beach (Montana border)
I-94	Fargo West of Jct. I-29
US 2	Williston Jct. US 85
US 12	Bowman at Jct. US 83
US 281	Ellendale at Jct. ND 11

Ports of Entry

North Dakota does not maintain any official Ports of Entry.

XXXVI. OHIO

(a) Weigh Scale Locations/Ports of Entry

Commercial motor vehicles used in interstate or intrastate commerce to transport property with a gross vehicle weight rating or an actual gross vehicle weight of more than 10,000 pounds, or vehicles transporting placarded hazardous materials, regardless of weight, must stop at weigh stations.

Portable scales are also used to check compliance with the legal weight limits.

Weigh Scales

Route	County Milepost	Town	Location	Phone
I-70	Guernsey 3.11 WB	Cambridge	West of I-77	(740) 432-6125
I-70	Guernsey 3.64 EB	Cambridge	West of I-77	(740) 432-5725
I-70	Preble 0.81 EB	Preble	Near IN Line	(937) 437-6407
I-71	Ashland 11.36 SB	Ashland	North of US-250	(419) 869-7733
I-71	Clinton 6.84 NB	Wilmington	North of SR-73	(937) 382-6552
I-71	Clinton 11.29 SB	Wilmington	South of SR-72	(937) 486-3332
I-74	Hamilton 2.98 EB	Harrison	Near IN line	(513) 367-6616
I-75	Hancock 20.35 SB	Findlay	North of US-224	(419) 425-3703
I-75	Wood 8.86 NB	Bowling Green	South of US-6	(419) 686-0324
I-76	Medina 5.40 WB	Wadsworth	East of SR-57	(330) 336-4237
I-77	Tuscarawas 31.88 SB	Bolivar	North of Strasburg	(330) 874-3737
I-80	Trumbull 6.88 WB	Girard	Hubbard	(330) 759-3901
I-90	Ashtabula 26.83 WB	Conneaut	East of SR-7	(440) 593-6545
US-23	Ross 14.39 NB	Chillicothe	North of US-35	(740) 775-2333
US-23	Ross 14.02 SB	Chillicothe	North of US-35	(740) 775-2335
US-30	Van Wert 6.59 EB	Van Wert	Near IN Line	(419) 749-4143

Ports of Entry

Ohio does not maintain any official Ports of Entry.

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XXXVII. OKLAHOMA

(a) Weigh Scale Locations/Ports of Entry

Portable scales are also used to check compliance with the legal weight limits.

In Oklahoma all vehicles must comply and obey traffic control signs per Title 47, Chapter 11, Section 201. When weigh stations are in operation signs read "All Trucks Must Stop".

Weigh Scales

Route	Location
I-35	Davis (NB, SB)
I-35	Tonkawa (NB, SB)
I-40	El Reno (WB)
US 75	Okmulgee (NB, SB)
US 270	Woodward (Rt. 3)
US 271	South of Hugo (NB)
US 287	Boise City

Ports of Entry

Oklahoma does not maintain any formal Ports of Entry.

XXXVIII. OREGON

(a) Weigh Scale Locations/Ports of Entry

In Oregon, a vehicle or combination of vehicles must stop and submit to any enforcement of commercial vehicle weight, size, load, conformation or equipment regulation when directed to do so by an "OPEN" sign displayed at a permanently established truck scale. A vehicle or combination of vehicles must stop and submit to any enforcement of commercial vehicle weight, size, load, conformation or equipment regulation when directed to do so by any sign or signal displayed or given by a police officer, motor carrier enforcement officer, or weighmaster.

Oregon requires commercial vehicles over 20,000 pounds to stop and weigh at open scales in Oregon.

Portable scales are also used to check compliance with the legal weight limits.

Weigh Scales

Route	Location	Route	Location
I-5	Booth Ranch MP 111.78 (SB), MP 111.07 (NB)	I-84	La Grande MP 258.52 (EB)
I-5	Ashland MP 18.24 (SB)	I-84	Emigrant Hill MP 226.95 (WB)
I-5	Ashland POE MP 18.08 (NB)	US 20	Philomath MP 51.64 (EB)
I-5	Woodburn MP 274.15 (NB)	US 20	Blodgett MP 41 (EB), MP 41.5 (WB)
I-5	Woodburn POE MP 274.18 (SB)	US 20/ 395	Burns MP 134.17 (EB, WB)
I-84	Farewell Bend POE MP 353.31 (WB)	US 20	Foster MP 32.29 (WB)
I-84	Wyeth MP 54.3 (WB)	US 20	Sisters MP 0.15 (EB)
I-84	Cascade Locks POE MP 44.93 (EB)	US 20	Horse Ridge MP 11.6 (WB)
I-84	Old Ferry MP 354.38 (EB)	US 20, 26	Vale MP 248.8 (EB, WB)

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Route	Location	Route	Location
US 20, 26	Nyssa MP 266.41 (EB)	OR 99W	Ashland NB99 MP 16.91 (NB)
US 26	Brightwood MP 36.31 (WB), 36.51 (EB)	OR 99W	Dayton MP 29.1 (SB)
US 26	Prineville MP 21.17 (WB)	OR 126	Waltersville MP 12.95 (WB)
US 26	John Day MP 160.97 (EB, WB)	OR 126	Noti MP 43 (EB)
US 26	North Plains MP 54.03 (EB)	OR 138	Glide MP 15.14 (EB, WB)
US 30	Deer Island MP 33.2 (EB)	OR 140	Lake Creek MP 13.85 (WB)
US 30	Alston MP 52.5 (EB)	OR 140	Sports Park MP 2.7 (EB)
US 30	Rocky Point MP 16.5 (WB)	OR 140	Swan Lake MP 14.5 (WB)
US 95	Burns Jct. MP 66 (NB, SB)	OR 204	Elgin MP 35.6 (EB)
US 97	Bend MP 145.5 (NB)	OR 212/224	Rock Creek MP 7.94 (WB)
US 97	Klamath Falls MP 271.41 (SB)	OR 224	Scio MP 12 (WB)
US 97	Klamath Falls POE MP 271.73 (NB)	OR 226	Siletz MP 29.8 (SB)
US 97	Juniper Butte MP 106.9 (NB), MP 108.2 (SB)	OR 229	Catching Slough MP 2.40 (WB)
US 101	Seaside MP 14.33 (NB)	OR 241	Lakeview MP 137.28 (NB)
US 101	Bandon MP 276.11 (NB)	OR 395	Douglas Smith River Co. (WB) Co. Rd.
US 101	Hauser MP 227.89 (SB)		Douglas Glendale Co. (WB) Co. Rd.
US 101	Brookings MP 361.17 (NB)		Douglas Canyonville Co. (WB) Co. Rd.
US 101	Rainbow Rock MP 353.18 (SB)		Jackson Dead Indian Memorial Co. (EB, WB) Co. Rd.
US 101	Waldport MP 157.4 (NB)		Jackson Table Rock Road Co. (WB) Co. Rd.
US 101	Pleasant Valley MP 74.52 (NB)		Jackson Applegate Road Co. (NB) Co. Rd.
US 199	Wilderville MP 8.65 (NB)		Lane Co. Row River Co. (WB)
US 199	Selma MP 20.65 (SB)		Lane Co. Unity Co. (WB)
US 395	Pilot Rock MP 16.12 (NB)		
US 730	Cold Springs MP 193.28 (EB, WB)		
US 730	Umatilla POE MP 184 (SB)		
OR 6	Tillamook MP 2.40 (EB, WB)		
OR 7	Baker MP 48.41 (NB)		
OR 18	Fort Hill MP 25.5 (EB)		
OR 19	Arlington MP 5.3 (SB)		
OR 22	Gates MP 32.06 (WB)		
OR 22	Eola MP 21.53 (EB)		
OR 31	Silver Lake MP 47.3 (NB)		
OR 36	Cheshire MP 46.15 (EB)		
OR 38	Schofield MP 1.94 (WB)		
OR 42	Myrtle Point MP 21.87 (WB)		
OR 42	Coaledo MP 5.50 (NB)		
OR 42	Brockaway MP 71.20 (EB)		
OR 58	Lowell MP 17.17 (WB)		
OR 62	Eagle Point MP 12 (NB, SB)		
OR 82	Minam MP 40.56 (WB)		
OR 99E	Hubbard MP 28.18 (SB), MP 27.83 (NB)		
OR 99W	Adair MP 72.4 (NB)		

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Route	Location	Route	Location
Lane Co. Rd.	Marcola Co. (WB)	Marion Co. Rd.	Ehlen Road Co. MES (EB, WB)
Lane Co. Rd.	Clear Lake Co. MES (WB)	MP = mile post	MES = mobile enforcement site

Ports of Entry

PUC FIELD OFFICE	LOCATION	HOURS OF OPERATION	PHONE
Interstate Bridge Office	Portland I-5 Southbound	8 am - 5 pm Monday-Friday Closed Weekends	(503) 283-5700
Ashland Port-of-Entry	I-5 Northbound	8 am - 5 pm	(541) 776-6117
Farewell Bend Port-of-Entry	I-84 Westbound	8 am - 5 pm	(541) 869-2293
Umatilla Port-of Entry	I-82 Southbound W5730 Westbound	8 am - 5 pm	(541) 922-3761

After hours permits may be obtained by calling (503) 378-6699 and requesting a temporary pass be sent to a participating truck stop.

XXXIX. PENNSYLVANIA

(a) Weigh Scale Locations/Ports of Entry

Weigh Scale Locations

Pennsylvania requires all vehicles registered as a truck to stop at weigh scales (trucks includes pick-up trucks, truck-tractors, etc.).

Pennsylvania maintains one permanent weigh station which is located on I-80 in Clarion Co. Portable scales are used to check compliance with the legal weight limits. There are permanent scales in these townships and boroughs: Blossburg, Chippewa, Franklin, Liverpool, Muddy Creek, Rochester, Rostraver, White, Hempfield, New Garden.

Ports of Entry

Pennsylvania does not maintain any official Ports of Entry.

XL. RHODE ISLAND

(a) Weigh Scale Locations/Ports of Entry

All commercial vehicles must stop at weigh stations.

Portable scales are also used to check compliance with the legal weight limits.

Weigh Scales

Route	Location
I-95 NB & SB	Wyoming

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Route	Location
I-295 NB & SB	Ashton
US 6	Scituate
S 146	North Smithfield
S 24	Tiverton

Ports of Entry

Rhode Island does not maintain Ports of Entry.

XLI. SOUTH CAROLINA

(a) Weigh Scale Locations/Ports of Entry

The State of South Carolina requires all commercial vehicles with a gross vehicle weight rating of 10,001 pounds or greater to stop and register at weigh scale locations.

Portable scales are also used to check compliance with the legal weight limits.

Weigh Scales

Route	Location
I-20	Steedman, 5 mi N of Aiken
I-20	Lexington
I-26	10 mi N of Columbia
I-26	6 mi S of Newberry
I-26	Dorchester Scales, E of I-95 (WB, EB)
I-77	Rock Hill
I-85	Fair Play, 9 mi from Georgia border
I-95	Mile Marker 95

Ports of Entry

South Carolina maintains no Ports of Entry.

XLII. SOUTH DAKOTA

(a) Weigh Scale Locations/Ports of Entry

In the State of South Dakota drivers of any towed vehicle, motor truck, truck tractor, or trailer (commercial or non-commercial) which weighs in excess of 8,000 pounds gross vehicle weight must stop and report at weigh scale locations.

The only type vehicle not required to stop is a recreational vehicle.

Portable scales are also used to check compliance with the legal weight limits.

Weigh Scales

Route	Location
I-29	Jefferson POE
I-29	Sisseton POE

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Route	Location
I-29	MN/SD State Line near Sioux Falls POE
I-90	Tilford POE
I-90	Mitchell
US 12	East of Milbank
US 14	Jct. US 83 East of Pierre
US 18	West of Winner
US 85	Buffalo
US 281	N. of Wolsey
US 281	N. of Frederick
S 79	South of Rapid City
US 81 & S 046	North of Yankton

Ports of Entry

Tilford on I-90 West
Jefferson on I-29 North
Sisseton on I-29 South
Sioux Falls on I-90 East

XLIII. TENNESSEE

(a) Weigh Scale Locations/Ports of Entry

All trucks and trucks with trailers are required to stop at weigh stations in Tennessee.

Weigh Scales

Route	Location
I-24	Near southern city limits of Manchester in Coffee Co.
I-40	Approx. 12 mi W of Knoxville in Knox Co.
I-40	Approx. 4 mi S of Brownsville in Haywood Co.
I-65	Approx. 5 mi W of Portland in Robertson Co.; (615) 741-1917
US 70	W of Knoxville near Jct. US 11 in Knox Co.

Ports of Entry

There are no Ports of Entry maintained by the state of Tennessee.

XLIV. TEXAS

(a) Weigh Scale Locations/Ports of Entry

In Texas the following commercial motor vehicles (CMVs) are required to stop and report at weigh scales. All CMVs are inspected for registration, insurance, safety equipment, driver condition and licensing, load (hazmat, size, weight, etc.) driving hours, etc.:

- A vehicle with an actual gross weight, a registered gross weight, or a gross weight rating in excess of 26,000 pounds when operating intrastate;

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- A farm vehicle with an actual gross weight, a registered gross weight, or a gross weight rating in excess of 48,000 pounds when operating intrastate;
- A vehicle designed to transport more than 15 passengers including the driver;
- A vehicle transporting hazardous materials requiring a placard; and
- All vehicles as regulated in Title 49 CFR Parts 382, 385, 386, 390-393 and 395-397 pertaining to interstate drivers and vehicles.

All CMVs as described above are required to stop, including those that are excepted such as mobile cranes which while exempted from part of the regulations, are still required to have their safety equipment intact.

Weigh Scales

The Texas Department of Public Safety (DPS) maintains permanent and semipermanent weigh scale locations. All troopers in the DPS License and Weight Division have vehicles that are equipped with portable scales. In addition to the DPS, several counties and municipalities have size and weight enforcement units.

Ports of Entry

Texas does not maintain ports of entry.

XLV. UTAH

(a) Weigh Scale Locations/Ports of Entry

Weigh scales in Utah are also ports of entry.

In Utah, all commercial vehicles in excess of 10,000 pounds gross vehicle weight or combined gross vehicle weight, or carrying 16 or more passengers (including the driver), or placarded amount of hazardous material, must stop and report at weigh scale locations.

Weigh Scales

City	Address	Phone
Salt Lake City	4501 S. 2700 W, MTF Building	(801) 965-4508
St. George	I-15, UT-AZ line	(435) 673-9651
Kanab	US-89, MP 67	(435) 644-5871

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City	Address	Phone
Monticello	Hwy. 491, MP 2	(435) 587-2662
Peerless	US-6 MP 231	(435) 472-3401
Daniels	US-40 E	(435) 654-1091
Loma, CO	I-70 UT/CO Joint Port	(970) 858-5312
Wendover	I-80, MP 3	(435) 665-2274
Perry	I-15 N South of Brigham City	(435) 734-9414
Echo	I-80 UT-WY border, MP 180	(435) 336-5286

MP = mile post

Ports of Entry

*Salt Lake City	4501 S. 2700 W, MTF Building	(801) 965-4508
St. George	I-15 North of UT-AZ line	(435) 673-9651
*Kanab	US-89 N of Kanab City	(435) 644-5871
*Monticello	SR-666 E of 666-191 jct.	(435) 587-2662
*Peerless	US-6 North of Helper	(435) 472-3401
*Daniels	US-40 E just S of Heber	(435) 654-1091
Loma, CO	I-70 UT/CO Joint Port	(970) 858-5312
Wendover	I-80 UT/NV line, MP 3	(435) 665-2274
*Perry	I-15 N South of Brigham City	(435) 734-9414
Echo	I-80 Westbound, MP 3	(435) 336-5286

*Interior Ports of Entry/Permit Offices. Call before entering the state.

XLVI. VERMONT

(a) Weigh Scale Locations/Ports of Entry

Vermont requires all trucks to stop and report at weigh scale locations.

Portable and semi-portable scales are also used to check compliance with the legal weight limits.

Weigh Scales

Route	Location
US 4	Fair Haven

Ports of Entry

Ports of Entry are not maintained in Vermont.

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XLVII. VIRGINIA

(a) Weigh Scale Locations/Ports of Entry

Operators of trucks that have a registered gross weight in excess of 7,500 pounds are required by law to drive their vehicles onto scales for weight inspection as directed by either a police officer or regulatory highway sign. A police officer may require the operator of a truck to drive a distance not to exceed 10 road miles to a scale facility for weight inspection. Refusal to drive onto scales for inspection is a misdemeanor.

Weigh Scales

Station	Route	Location	Phone
Alberta	85	Alberta	(434) 949-7336
Aldie	50	Aldie	(703) 327-6938
Bland	77	Bland	(276) 688-4721
Carson	95	Carson	(804) 861-6565
Dahlgren	301	Dahlgren	(540) 663-2651
Dumfries	95	Triangle	(703) 221-5344
New Church	13	Temperanceville	(757) 824-3614
Sandston	64	Sandston	(804) 328-3057
Stephens City	81	Stephens City	(540) 869-4084
Suffolk	58	Suffolk	(757) 925-2247
Troutville	81	Troutville	(540) 992-4291

Ports of Entry

There are no Ports of Entry maintained by the state of Virginia.

XLVIII. WASHINGTON

(a) Weigh Scale Locations/Ports of Entry

Drivers of commercial motor vehicles, other than drivers of buses or vehicles with a gross vehicle weight rating or gross combination weight rating of 16,000 pounds or less and not transporting hazardous materials, must stop at weigh scales.

Weigh Scales

Route	Location	Route	Location
I-5	Fort Lewis NB	I-90	Tokio (2 locations)
I-5	Kelso	I-90	Spokane East
I-5	Everett (2 locations)	US 2	Sultan
I-5	Sea Tac (2 locations)	US 2	Reardan
I-5	Bow Hill SB	US 2	Peshastin
I-5	Stanwood/Bryant	US 2	Chattaroy
I-90	North Bend	US 12	Morton
I-90	Cle Elum (2 locations)	US 12	Wallula

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Route	Location	Route	Location
US 12	Rim Rock Noches	S 6	Raymond East
US 12	Walla Walla	S 7	Spanaway
US 12	Brady (2 locations)	S 9	Lake Stevens
US 97	Goldendale	S 14	Plymouth
US 97	Brewster	S 14	Home Valley
US 97	Tonasket	S 16	Gig Harbor
US 97	Toppenish	S 20	Sedro Woolley
US 101	Hoquiam	S 24	Vernita
US 101	Artic	S 26	Othello
US 101	Forks	S 28	Rock Island
US 101	Port Angeles (2 locations)	S 141	Husum
US 101	Raymond	S 167	Puyallup
US 395	Deer Park	S 503	Woodland
US 395	Kettle Falls		
US 395	Pasco		

Ports of Entry

Plymouth

133302 E Law Ln, Kennewick - NB I-82
(509) 734-7044

Vancouver

29317 I-5 N, Ridgefield - NB I-5
Ridgefield, Washington
(360) 696-6049

Spokane

RR1 Westbound I-90, Milepost 299, Liberty Lake
(509) 226-3366

Bow Hill

7220 I-5, Bow - SB I-5
(360) 766-6196

XLIX. WEST VIRGINIA

(a) Weigh Scale Locations/Ports of Entry

Any commercial vehicle with a gross vehicle weight rating over 10,000 pounds must stop at weigh scales. Portable scales are also used to check compliance with the legal weight limits.

Weigh Scales

Route	Location
I-64	Between Charleston and Huntington, EB, MP 37
I-70	Wheeling, EB, MP 3
I-77	Mineral Wells, NB & SB, MP 169
I-79	Between East Fairmont and Goshen Rd., NB & SB

MP = mile post

Ports of Entry

West Virginia does not maintain any formal Ports of Entry.

VEHICLE SIZES & WEIGHTS MANUAL

L. WISCONSIN

(a) Weigh Scale Locations/Ports of Entry

Vehicles over 8,000 pounds gross weight must stop at weigh scales.

Portable scales are also used to check compliance with the legal weight limits.

Weigh Scales

Route	Location
I-43	0.5 mi S of County Hwy. F in the Town of Newton in Manitowoc County
I-90 (SB)	1 mi W of County Hwy. N in the Town of Pleasant Springs in Dane County
I-90 (NB)	1 mi W of County Hwy. N in the Town of Pleasant Springs in Dane County
I-90	1 mi SW of West Salem in La Crosse County (EB)
I-94	East city limits of Hudson (EB)
I-94	0.25 mi N of Illinois line, Kenosha Scales (NB)
I-94	0.25 mi S of County Hwy. G in the Town of Raymond, Racine Scales (SB)
I-94	Hwy I-94, 1.5 miles E of CT E
US 2, US 53	6 mi E of Superior city limits, Wentworth Scales
US 41	Jct. US 141 at Abrams
US 41	Outside Kaukauna, Wrightstown Scales (NB)
US 51	1.5 mi N of Hwy 21, Coloma
S11, S35	In the Town of Jamestown in Grant County, Dickeyville Scales

Ports of Entry

There are no Ports of Entry maintained in the State of Wisconsin.

LI. WYOMING

(a) Weigh Scale Locations/Ports of Entry

Any commercial vehicle with a registered or actual weight of 26,001 pounds or more, oversize/overweight vehicles, and vehicles hauling radioactive materials are required to stop at weigh scales.

Weigh Scales

Route	Location
I-25	Sheridan and Cheyenne
I-80	Rawlins, Cheyenne, and Evanston
US 430	Rock Springs
US 287	Lander
US 20-26	Shoshone
US-14	Cody
WYO-789	Lovell
WYO-89	Afton
WYO-189	Kemmerer
WYO-191	Daniel Jct.
WYO 130-230	Saratoga (South)

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Route	Location
US-26	Douglas
WYO-789	Baggs
US 85	Newcastle

Ports of Entry

PORTS OF ENTRY:		HIGHWAY SHOPS (PERMITS):	
Alpine	(307) 654-7569	Basin	(307) 568-3400
Casper	(307) 473-3280	Cody	(307) 587-2220
Cheyenne (I-80)*	(307) 777-4894	Douglas	(307) 358-5515
Cheyenne (I-25)*	(307) 777-4896	Lander	(307) 332-4151
Cheyenne (US 85)	(307) 777-4895	Pinedale	(307) 367-4488
Evanston*	(307) 789-3538	Rawlins	(307) 328-4100
Frannie	(307) 664-2389	Riverton	(307) 856-1341
Gillette	(307) 682-4030	Rock Springs	(307) 352-3049
Kemmerer*	(307) 877-4229	Wheatland	(307) 322-6500
Laramie*	(307) 745-2200	Worland	(307) 347-2822
Lusk	(307) 334-3814	Jackson	(307) 733-3665
Sheridan*	(307) 674-2350		
Sundance*	(307) 283-1616		
Torrington	(307) 532-2519		

* Open 24 Hours

VEHICLE SIZES & WEIGHTS MANUAL

Reserved

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CANADA

CANADIAN VEHICLE SIZE AND WEIGHT REGULATIONS

The Canadian size and weight section is organized in the same format as the United States section. The legal limits are given for each jurisdiction, as well as general requirements and guidelines for traveling over-size or overweight.

In almost all cases, Canadian laws and regulations describe weights and measurements in the metric system. Thus, on the following pages you will find the legal limits and oversize and overweight requirements given in metric. A metric conversion chart is being provided below to assist you with converting weights and measures from one system to the other. The basic metric abbreviations are also listed here for your information.

ABBREVIATIONS

meter	m
centimeter	cm
millimeter	mm
kilometer	km
kilogram	kg
tonne	t

CONVERSION CHART

1 millimeter	0.0394 inch
1 centimeter	0.3937 inch
1 meter	39.3708 inches
1 kilometer	1093.63 yards
1 inch	2.54 centimeters
1 foot	30.48 centimeters
1 yard	0.9144 meter
1 mile	1.6093 kilometers
1 international nautical mile	1.852 kilometers
1 square centimeter	0.155 square inch
1 square meter	1.196 square yards
1 are	119.6 square yards
1 hectare	2.471 acres

VEHICLE SIZES & WEIGHTS MANUAL

CONVERSION CHART, Continued

1 cubic centimeter	0.061 cubic inch
1 cubic meter	1,307 cubic yards
1 cubic inch	16.387 cubic centimeters
1 cubic foot	0.028 cubic meter
1 cubic yard	0.405 hectare
1 liter	0.908 quart
1 gill	118.294 milliliters
1 pint	0.473 liter
1 quart	0.946 liter
1 gallon	3.785 liters
1 bushel	35.239 liters
1 square inch	6.452 square centimeters
1 square foot .....	.093 square meter
1 square yard	0.836 square meter
1 acre	0.405 hectare, 4047 square meters
1 square mile	259 hectares, 640 acres
1 milligram	0.015 grain
1 gram	15.432 grains, .035 ounce
1 kilogram	2.2046 lb.
1 metric ton	1.102 short tons
1 grain	0.0648 gram
1 ounce	31.103 grams
1 pound	0.373 kilogram
1 hundredweight (short)	45.359 kilograms
1 ton (long)	1.016 metric ton
1 ton (short)	0.907 metric ton

VEHICLE SIZES & WEIGHTS MANUAL

HEAVY TRUCK WEIGHT AND DIMENSION LIMITS FOR INTERPROVINCIAL OPERATIONS IN CANADA

Resulting From The Federal-Provincial-Territorial Memorandum of Understanding on Interprovincial Weights and Dimensions
December 2011

Introduction

In February 1988, the Council of Ministers Responsible for Transportation and Highway Safety endorsed a Memorandum of Understanding designed to improve uniformity in regulations covering weights and dimensions of four types of commercial vehicles operating between provinces and territories on a nationwide highway system. The original MOU included the following configurations:

Category 1: Tractor Semitrailer

Category 2: A Train Double

Category 3: B Train Double

Category 3: C Train Double

Since the original agreement was established, five amendments have been prepared and endorsed by the Council of Ministers.

Amendment 1:

In September 1991 the number of vehicle configurations covered by the national standards agreement was increased from four to eight to include:

Category 5: Straight Truck

Category 6: Truck — Pony Trailer

Category 7: Truck — Full Trailer

Category 8: Intercity Bus

Amendment 2:

In July 1994 changes were made to the dimensional limits applicable to Categories 1 through 4 as follows:

- the maximum length of semitrailers was increased from 14.65 metres (48 feet) to 16.2 metres (53 feet)
- the overall length limit applicable to double trailer combinations was increased from 23 metres (75 feet) to 25 metres (82 feet)

Amendment 3:

In June 1997 amendments to the standards contained in the MOU included the following:

Dimension Limits:

- the box length limit for truck-pony trailer and truck-full trailer configurations was increased to 20 metres.
- the maximum hitch offset was standardized for all configurations at 1.8 meters.
- the minimum wheelbase requirement for all semitrailers, pony trailers and full trailers was standardized at 6.25 m.
- the interaxle spacing between the axle(s) on the lead trailer and the converter dolly of A and C Train Doubles can be less than 3.0 m, but weight limit restrictions apply.

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- the fifth wheel position on the lead trailer of a B Train must not be located more than 0.3 meters behind the center of the last axle on the lead semitrailer.

Weight Limits:

- the steering axle weight limit on straight trucks was increased to 7250 kg.
- weight limit caps on the second trailer of A and C train double trailer combinations were removed and replaced by the requirement that the weight of the tractor drive axles + the weight of the lead trailer axles must be greater than the weight of the second trailer.

Amendment 4:

In September 2004 additional amendments were made as follows:

- *A Train Double Trailer Combinations:* The box length limit was increased to 20 metres
- *B Train Double Trailer Combinations:* A kingpin setback limit of a maximum 2.0 m radius is applied to the second semitrailer.
- *Recreational Vehicles:* The Intercity Bus category was amended to include recreational vehicles, thereby allowing them to be up to 14 metres long

Amendment 5:

In April 2008 changes and additions were made as follows:

- *Use of Wide Base Single Tires:* For axles fitted with two single tires, each of which has a width of 445 mm or greater, the weight limits were increased to 7700 kg for Single Axles and 15,400 kg for Tandem Axle Groups.
- *Minimum Track Width for Trailer Axles Fitted with Single Tires:* The minimum track width for trailer axles fitted with single tires was reduced to 2.3 m for trailers built in 2007 or earlier (the minimum track width for all axles on trailers built in 2008 or later remains at 2.5 m).
- *Aerodynamic Devices on Rear of Trucks and Trailers:* Aerodynamic devices installed at the rear of trucks, trailers and semitrailers were excluded from measurement of overall length, trailer length, semitrailer length, box length and effective rear overhang (within specific dimensional limits outlined in the MOU)
- *Exclusions from Determination of Overall Width:* A clarification was added to exclude from measurements of overall width:
 - auxiliary equipment and/or devices not designed or used to carry cargo which do not extend more than 10 cm beyond each side of the vehicle, and
 - rear view mirrors which do not extend more than 30 cm beyond each side of the vehicle

Amendment 6:

In October 2009 changes and additions were made as follows:

- *Definition of Track Width:* A revised definition was adopted as follows:
 - Track Width means the width of an axle across the outside faces of the tires measured at any point above the lowest point of the rim.
- *Minimum Track Width for Trailer Axles Fitted with Single Tires:* The provisions introduced in April 2008 were amended as follows:
 - The minimum track width for trailer axles fitted with single tires was reduced to 2.3 m for trailers from model year 2009 or earlier, the minimum track width for all axles on trailers from model year 2010 or later must be no less than 2.5 m.

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- *Addition of Stinger Steer Automobile Carrier Configuration*
 - The Stinger Steer Automobile Carriers was added to the MOU under a “Specialized Vehicle” category. For this category, provinces and territories have agreed to allow these configurations to operate on highways deemed suitable and appropriate by the jurisdiction, either through regulation or by issuance of special permit authorities.

Amendment 7:

In April 2011 changes were made as follows:

- *Weight Allowance for Tractors Equipped with Auxiliary Power Units (APU's):*
 - An additional allowance of up to 225 kg will be provided on the combined weight of the tractor steering axle and drive axle group of a vehicle in Category 1: Tractor-Semitrailer if the tractor is equipped with a functioning Auxiliary Power Unit. In such cases the Gross Vehicle Weight limit for the combination will also increase up to a maximum of 225 kg to accommodate the increased weight of the tractor
- *Minimum Track Width for Trailer Axles Fitted with Single Tires:* The provisions introduced in April 2008 and October 2009 were further amended as follows:
 - The minimum track width for trailer axles fitted with single tires must be no less than 2.3 m for trailers from model year 2009 or earlier.
 - The minimum track width for trailer axles fitted with single tires from model year 2010 or later must be no less than 2.45 m.
 - Any trailer built in or after 2010 that is converted from dual to single tires must bear a label adjacent to the original compliance label:
 - Identifying the company, or authorized dealer of a company, under the Motor Vehicle Safety Act (Canada) that converted the trailer; and
 - Indicating the revised tire and wheel size designation and revised gross vehicle and axle weight ratings.
- *Revision to Axle Weight Limit Requirements for Category 8: Intercity Bus and Recreational Vehicles:*
 - The following stipulation regarding load distribution was removed:
 - When there is more than one axle at the rear of the vehicle, the load carried by the group must be distributed between axles in a ratio corresponding to the number of tires on each axle.

Implications

Under the terms of the Memorandum of Understanding, each of the provinces and territories will permit vehicles which comply with the appropriate weights and dimensions described in the following section to travel on a designated system of highways in their jurisdiction.

It should be recognized that each jurisdiction continues to retain authority to allow more liberal weights and dimensions, or different types of vehicle configurations, for trucking operations within their jurisdiction. In addition, for trucking operations which take place between adjacent jurisdictions with compatible weight and dimension regulations which are more liberal than those specified in this document, the local regulations will prevail.

For further information on the Memorandum of Understanding, please contact the appropriate authority in each participating jurisdiction.

VEHICLE SIZES & WEIGHTS MANUAL

The Federal - Provincial - Territorial Memorandum of Understanding on Interprovincial Weights and Dimensions

The Provincial and Territorial governments in Canada have authority over the weight and dimension limits which apply to the highways within their boundaries. The Memorandum of Understanding on Interprovincial Weights and Dimensions (MOU) is intended to provide improved uniformity in weight and dimension limits through establishment of minimum and/or maximum thresholds acceptable to all jurisdictions for eight configurations of vehicles commonly used in interprovincial transportation.

General Conditions

1. It has all of the characteristics provided for below for the following eight categories:

Category 1: Tractor Semitrailer

Category 2: A Train Double

Category 3: B Train Double

Category 4: C Train Double

Category 5: Straight Truck

Category 6: Truck - Pony Trailer

Category 7: Truck - Full Trailer

Category 8: Intercity Bus and Recreational Vehicles

2. Its height, including load, does not exceed 4.15 metres
3. Its width, including load but excluding mirrors, lamps, and load covering or securing devices, does not exceed 2.6 metres
4. Its length, including load, does not exceed:

Category 1:	Tractor Semitrailer	23 metres
Category 2:	A Train Double	25 metres
Category 3:	B Train Double	25 metres
Category 4:	C Train Double	25 metres
Category 5:	Straight Truck	12.5 metres
Category 6:	Truck - Pony Trailer	23 metres
Category 7:	Truck - Full Trailer	23 metres
Category 8:	Intercity Bus and Recreational Vehicles	14 metres

5. Its Gross Combination Weight does not exceed:

Category 1:	Tractor Semitrailer	46 500 kg
Category 2:	A Train Double	53 500 kg
Category 3:	B Train Double	62 500 kg
Category 4:	C Train Double	58 500 kg
Category 5:	Straight Truck	24 250 kg
Category 6:	Truck - Pony Trailer	45 250 kg

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Category 7:	Truck - Full Trailer	53 500 kg
Category 8:	Intercity Bus and Recreational Vehicles	24 250 kg

6. Its axle weight does not exceed the weight limit stipulated for each axle type in its vehicle category, it being understood that the load shared between adjacent axles in a group must not vary by any more than 1000 kg.
7. Its axle weight does not exceed the lesser of the maximum rated capacity of any single component of the axle, suspension or braking system, the rated capacity of the tires, or 10 kg/mm of tire width (with a minimum tire width of 150 mm).
8. Each semitrailer has only one axle group consisting of either a single axle or a tandem or tridem group that will achieve equalized load sharing between axles in the group. This does not necessarily preclude the use of independently suspended axles or axle groups in the tandem or tridem categories, provided load equalization can be demonstrated.
9. Its axle weights and Gross Combination Weight do not exceed the limits stipulated for each axle and vehicle type, recognizing that jurisdictions will not have legislated or published tolerances concerning the enforcement of the local legislation.
10. Its axle weights, when an axle is fitted with two single tires, each of which has a width of 445 mm or greater, do not exceed 7700 kg for Single Axles and 15,400 kg for Tandem Axle Groups.

Additional Conditions and Restrictions

The weight limits of several jurisdictions are also subject to seasonal restrictions, primarily during the spring thaw period. As the timing and nature of these restrictions vary by province, carriers should contact provincial authorities directly for specific details.

The use of liftable axles is discouraged or prohibited in a number of jurisdictions, primarily in western Canada.

The province of British Columbia requires that highway tractors use engines which meet a minimum ratio of gross weight to horsepower of 150 kg/hp. In addition, vehicle combinations with gross weights in excess of 38,000 kg must employ tractors with tandem drive axles.

Interpretations and Clarifications

In July 1994 an additional section was added to the MOU to elaborate on, or clarify, specific provisions of the agreement, based on consensus reached through discussion by the participating jurisdictions. As issues or questions arise in the future, this section is expected to be expanded to include the consensus reached on each issue.

As of December 2011, six issues are addressed in this section:

1. **Dromedary Boxes on Tractors (July 1994):** It is understood that all jurisdictions will permit load to be carried on tractors for vehicles which comply with the provisions applicable to Category 1 - Tractor Semitrailer.
2. **Category 3 - B Train Configurations (July 1994):** It is understood that the provisions applicable to Category 3 - B Train Double do not preclude the use of a tridem axle configuration on the second semitrailer.
3. **All Categories - Vehicles Fitted with Liftable Axles (June 1997):** It is understood that vehicles which are fitted with liftable axles will be recognized as meeting the requirements of this Memorandum of Understanding provided that, *when the lift axles are raised, all other requirements are met.* It is further understood that participating jurisdictions can chose to eliminate any liftable axles from the determination of axle and/or gross vehicle weight limits for a vehicle.
4. **All Categories - Aerodynamic Devices Fitted on Rear of Vehicles (April 2008):** It is understood that aerodynamic devices installed at the rear of trucks, trailers and semitrailers shall not be included

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in the measurement of overall length, trailer length, semitrailer length, box length and effective rear overhang, provided:

- any portion of the device more than 1.9 metres above the ground does not protrude more than 0.61 metres beyond the rear of the vehicle, and
 - any portion of the device within 1.9 metres of the ground does not protrude more than 0.305 metres beyond the rear of the vehicle, and
 - the aerodynamic device is not designed or used to carry cargo.
It is further understood that vehicles fitted with aerodynamic devices must also comply with applicable CMVSS standards and provincial/territorial regulations regarding lighting and conspicuity.
5. **All Categories – Exclusions from Determination of Overall Width (April 2008):** It is understood that auxiliary equipment and/or devices not designed or used to carry cargo which do not extend more than 10 cm beyond each side of the vehicle shall be excluded from measurements of overall width. It is further understood that rear view mirrors which do not extend more than 30 cm beyond each side of the vehicle shall be excluded from measurements of overall width.
6. **Minimum Track Width for Trailer Axles Fitted With Single Tires (April 2008, amended October 2009, amended April 2011):** It is understood that the minimum track width for trailer axles fitted with single tires must be no less than 2.3 m for trailers from model year 2009 or earlier. It is further understood that the minimum track width for trailer axles fitted with single tires from model year 2010 or later must be no less than 2.45 m. Any trailer built in or after 2010 that is converted from dual to single tires must bear a label adjacent to the original compliance label:
- Identifying the company, or authorized dealer of a company, under the Motor Vehicle Safety Act (Canada) that converted the trailer; and
 - Indicating the revised tire and wheel size designation and revised gross vehicle and axle weight ratings.

Exceptions

As of December 2011, three exceptions are noted:

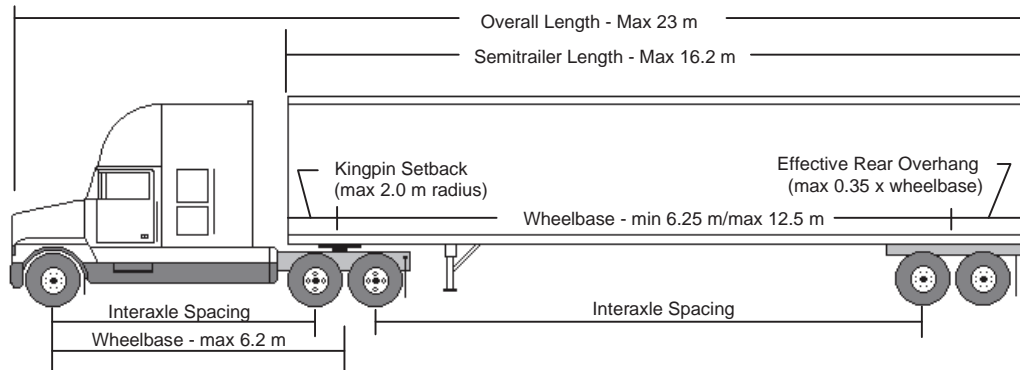
1. **Northwest Territories — Weight Limit on Single Tires (April 2008):**
The weight on a single tire (except on steering axles) cannot exceed 3000 kg.
2. **New Brunswick (April 2008)**
The weight on a single tire (except on steering axles) having a minimum width of 445 mm cannot exceed 3080 kg on highways rated as Class 3 — Gross Vehicle Weights up to 50,000 kg and Class 4 — Gross Vehicle Weights up to 43,500 kg.

The weight on a single tire (except on steering axles) having a width of less than 445 mm cannot exceed 3000 kg on all New Brunswick highways.
3. **Newfoundland and Labrador — Weight Limit on Single Tires (April 2008):**
The weight on a single tire (except on steering axles) cannot exceed 3000 kg on secondary roads within the designated route network.

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Category 1: Tractor Semitrailer

Part 1 - Dimension Limits



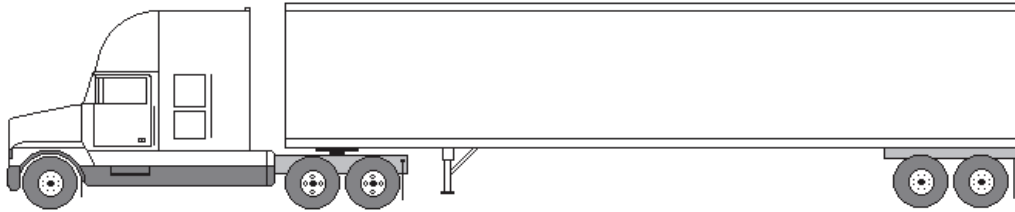
DIMENSION	LIMIT
Overall Length	Maximum 23 m
Overall Width	Maximum 2.6 m
Overall Height	Maximum 4.15 m
Tractor:	
Wheelbase	Maximum 6.2 m
Tandem Axle Spread	Minimum 1.2 m/Maximum 1.85 m
Semitrailer	
Length	Maximum 16.2 m
Wheelbase	
Single, Tandem or Tridem Axle Group	Minimum 6.25 m/Maximum 12.5 m
Kingpin Setback	Maximum 2.0 m radius
Effective Rear Overhang	Maximum 35% of wheelbase
Tandem Axle Spread	Minimum 1.2 m/Maximum 1.85 m
Tridem Axle Spread	Minimum 2.4 m/Maximum 3.7 m
Track Width: With dual tires	Minimum 2.5 m/Maximum 2.6 m
With single tires	Minimum 2.45 m ¹ /Maximum 2.6 m
Interaxle Spacings	
Single Axle to Single, Tandem or Tridem Axle	Minimum 3.0 m
Tandem Axle to Tandem Axle	Minimum 5.0 m
Tandem Axle to Tridem Axle	Minimum 5.5 m

¹ The minimum track width for trailers fitted with single tires and manufactured prior to 2010 is 2.3 m.

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Category 1: Tractor Semitrailer

Part 2 - Weight Limits



Max 5500 kg

Single Axle - Max 9100 kg
Tandem Axle - Max 17 000 kg

Single Axle - Max 9100 kg
Tandem Axle - Max 17 000 kg
Tridem Axle - Spread:
2.4 m to < 3.0 m - Max 21 000 kg
3.0 m to < 3.6 m - Max 23 000 kg
3.6 m to 3.7 m - Max 24 000 kg

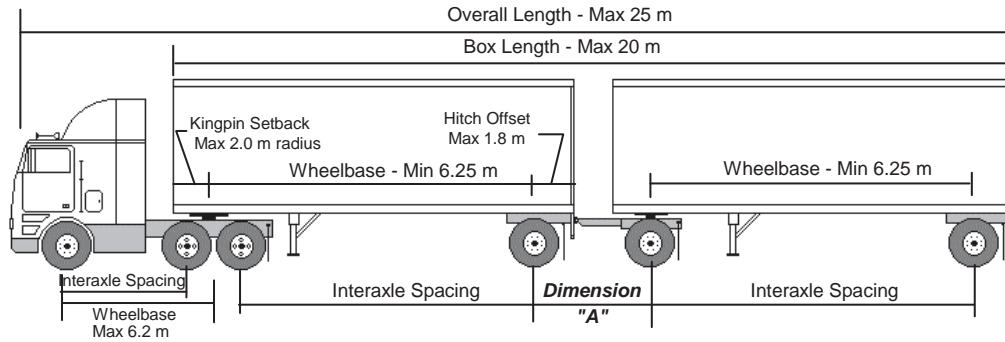
WEIGHT ²	LIMIT
Axle Weights²:	
Steering Axle	Maximum 5500 kg
Single Axle (dual tires)	Maximum 9100 kg
Tandem Axle:	
Axle Spread 1.2 m - 1.85 m	Maximum 17 000 kg
Tridem Axle:	
Axle Spread 2.4 m - less than 3.0 m	Maximum 21 000 kg
Axle Spread 3.0 m - less than 3.6 m	Maximum 23 000 kg
Axle Spread 3.6 m - 3.7 m	Maximum 24 000 kg
Gross Vehicle Weight Limits²	
Three Axles	Maximum 23 700 kg
Four Axles	Maximum 31 600 kg
Five Axles	Maximum 39 500 kg
Six Axles - with 2.4 to < 3.0 m spread tridem	Maximum 43 500 kg
with 3.0 m to < 3.6 m spread tridem	Maximum 45 500 kg
with 3.6 to 3.7 m spread tridem	Maximum 46 500 kg

² An additional allowance of up to 225 kg will be provided on the combined weight of the tractor steering axle and drive axle group of a vehicle in *Category 1: Tractor-Semitrailer* if the tractor is equipped with a functioning Auxiliary Power Unit. In such cases the Gross Vehicle Weight limit for the combination will also increase up to a maximum of 225 kg to accommodate the increased weight of the tractor.

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Category 2: A Train Double

Part 1 - Dimension Limits



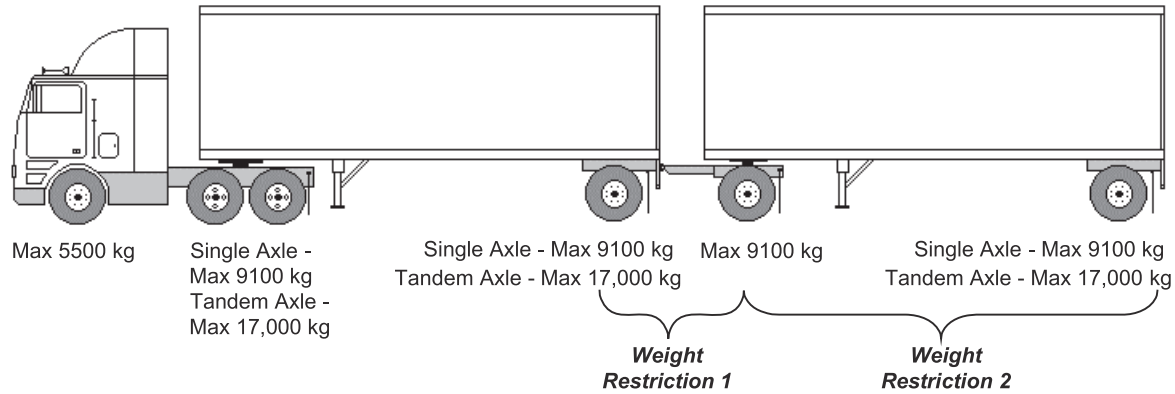
DIMENSION	LIMIT
Overall Length	Maximum 25 m
Overall Width	Maximum 2.6 m
Overall Height	Maximum 4.15 m
Box Length	Maximum 20.0 m
Tractor:	
Wheelbase	Maximum 6.2 m
Tandem Axle Spread	Minimum 1.2 m/Maximum 1.85 m
Lead Semitrailer	
Wheelbase	Minimum 6.25 m
Kingpin Setback	Maximum 2.0 m radius
Tandem Axle Spread	Minimum 1.2 m/Maximum 1.85 m
Hitch Offset	Maximum 1.8 m
Track Width: With dual tires	Minimum 2.5 m/Maximum 2.6 m
With single tires	Minimum 2.45 m ³ /Maximum 2.6 m
Second Semitrailer or Full Trailer	
Wheelbase	Minimum 6.25 m
Tandem Axle Spread	Minimum 1.2 m/Maximum 1.85 m
Track Width: With dual tires	Minimum 2.5 m/Maximum 2.6 m
With single tires	Minimum 2.45 m ³ /Maximum 2.6 m
Interaxle Spacings	
Single Axle to Single or Tandem Axle	Minimum 3.0 m
Tandem Axle to Tandem Axle	Minimum 5.0 m
Dimension "A" (from the centre of last axle on the lead semitrailer to the centre of the first axle on the converter dolly or second trailer)	Not controlled

³ The minimum track width for trailers fitted with single tires and manufactured prior to 2010 is 2.3 m.

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Category 2: A Train Double

Part 2 - Weight Limits

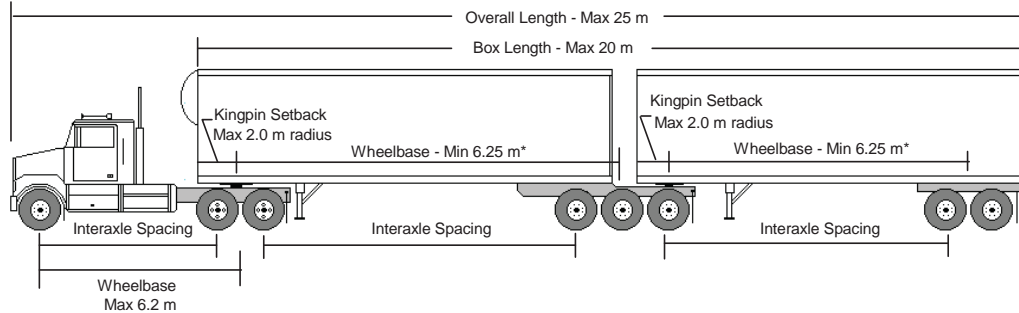


WEIGHT	LIMIT
Axle Weight Limits: Steering Axle Single Axle (dual tires) Tandem Axle: Axle Spread 1.2 m - 1.85 m Weight Restriction 1: Sum of Axle Weights of Lead Semitrailer Plus Weight of Converter Dolly Axle Weight Restriction 2: Sum of Axle Weights of Full Trailer or Second Semitrailer	Maximum 5500 kg Maximum 9100 kg Maximum 17 000 kg If Dimension "A" is less than 3 metres, the weight of the axle(s) on the lead semitrailer plus the weight of the converter dolly axle(s) is limited to a maximum of 17,000 kg for a two axle group or a maximum of 23,000 kg for a three axle group. The weight of the second trailer must not exceed the weight of the tractor drive axle(s) plus the weight of the axle(s) on the first semitrailer.
Gross Vehicle Weight Limits: Five Axles Six Axles Seven Axles Eight Axles	Maximum 41 900 kg Maximum 49 800 kg Maximum 53 500 kg Maximum 53 500 kg

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Category 3: B Train Double

Part 1 – Dimension Limits



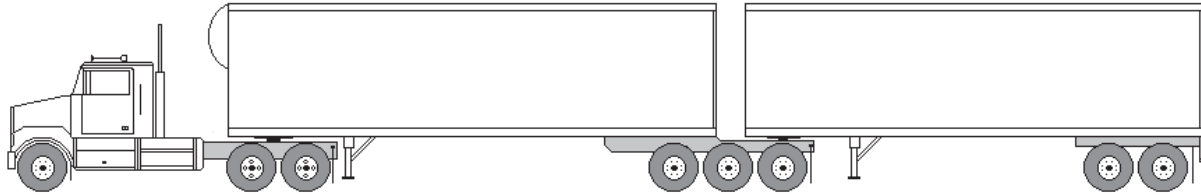
DIMENSION	LIMIT
Overall Length	Maximum 25 m
Overall Width	Maximum 2.6 m
Overall Height	Maximum 4.15 m
Box Length	Maximum 20.0 m
Tractor:	
Wheelbase	Maximum 6.2 m
Tandem Axle Spread	Minimum 1.2 m/Maximum 1.85 m
Lead Semitrailer	
Wheelbase	Minimum 6.25 m
Kingpin Setback	Maximum 2.0 m radius
Tandem Axle Spread	Minimum 1.2 m/Maximum 1.85 m
Tridem Axle Spread	Minimum 2.4 m/Maximum 3.1 m
Track Width: With dual tires	Minimum 2.5 m/Maximum 2.6 m
With single tires	Minimum 2.45 m ⁴ /Maximum 2.6 m
Fifth Wheel Position	No more than 0.3 m behind the centre of the rearmost axle on the semitrailer
Second Semitrailer	
Wheelbase	Minimum 6.25 m
Kingpin Setback	Maximum 2.0 m radius
Tandem Axle Spread	Minimum 1.2 m/Maximum 1.85 m
Tridem Axle Spread	Minimum 2.4 m/Maximum 3.1 m
Track Width: With dual tires	Minimum 2.5 m/Maximum 2.6 m
With single tires	Minimum 2.45 m ⁴ /Maximum 2.6 m
* Sum of Semitrailer Wheelbases	Maximum 17.0 m
Interaxle Spacings	
Single Axle to Single or Tandem Axle	Minimum 3.0 m
Tandem Axle to Tandem Axle	Minimum 5.0 m
Tandem Axle to Tridem Axle	Minimum 5.5 m
Tridem Axle to Tridem Axle	Minimum 6.0 m

⁴ The minimum track width for trailers fitted with single tires and manufactured prior to 2010 is 2.3 m.

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Category 3: B Train Double

Part 2 - Weight Limits



Max 5500 kg

Single Axle -
Max 9100 kg
Tandem Axle -
Max 17 000 kg

Tandem Axle - Max 17,000 kg
Tridem Axle:
Spread 2.4 to < 3.0 m: Max 21 000 kg
Spread 3.0 to 3.1 m: Max 23 000 kg

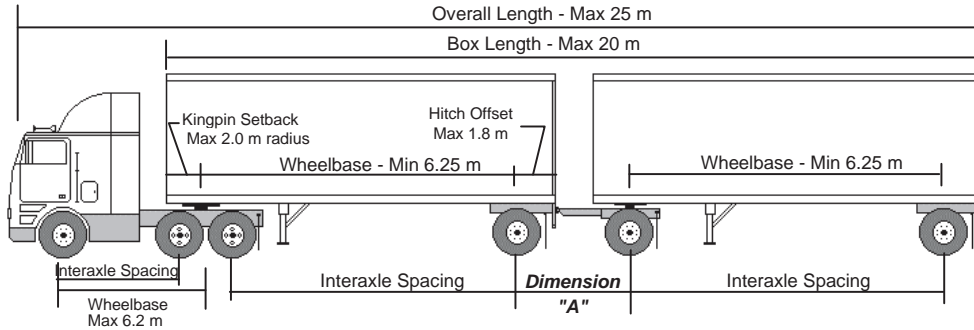
Single Axle -
Max 9100 kg
Tandem Axle -
Max 17 000 kg

WEIGHT	LIMIT
Axle Weight Limits:	
Steering Axle	Maximum 5500 kg
Single Axle (dual tires)	Maximum 9100 kg
Tandem Axle:	
Axle Spread 1.2 m - 1.85 m	Maximum 17 000 kg
Tridem Axle:	
Axle Spread 2.4 m to less than 3.0 m	Maximum 21 000 kg
Axle Spread 3.0 m to 3.1 m	Maximum 23 000 kg
Gross Vehicle Weight Limits:	
Five Axles	Maximum 40 700 kg
Six Axles	Maximum 48 600 kg
Seven Axles	Maximum 56 500 kg
Eight Axles	Maximum 62 500 kg

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Category 4: C Train Double

Part 1 - Dimension Limits



DIMENSION	LIMIT
Overall Length	Maximum 25 m
Overall Width	Maximum 2.6 m
Overall Height	Maximum 4.15 m
Box Length	Maximum 20.0 m
Tractor:	
Wheelbase	Maximum 6.2 m
Tandem Axle Spread	Minimum 1.2 m/Maximum 1.85 m
Lead Semitrailer	
Wheelbase	Minimum 6.25 m
Kingpin Setback	Maximum 2.0 m radius
Tandem Axle Spread	Minimum 1.2 m/Maximum 1.85 m
Hitch Offset	Maximum 1.8 m
Track Width: With dual tires	Minimum 2.5 m/Maximum 2.6 m
With single tires	Minimum 2.45 m ⁵ /Maximum 2.6 m
Second Semitrailer or Full Trailer	
Wheelbase	Minimum 6.25 m
Tandem Axle Spread	Minimum 1.2 m/Maximum 1.85 m
Track Width: With dual tires	Minimum 2.5 m/Maximum 2.6 m
With single tires	Minimum 2.45 m ⁵ /Maximum 2.6 m
C Dolly Drawbar Length	Maximum 2.0 m
Interaxle Spacings	
Single Axle to Single Axle	Minimum 3.0 m
Single Axle to Tandem Axle	Minimum 3.0 m
Tandem Axle to Tandem Axle	Minimum 5.0 m
Dimension "A" (from the centre of last axle on the lead semitrailer to centre of the first axle on the converter dolly or second trailer)	Not controlled

⁵ The minimum track width for trailers fitted with single tires and manufactured prior to 2010 is 2.3 m.

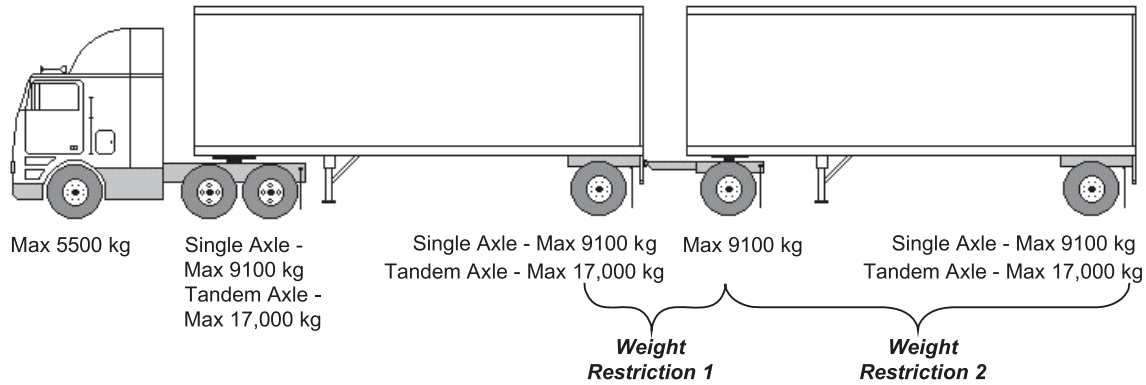
VEHICLE SIZES & WEIGHTS MANUAL

Reserved

VEHICLE SIZES & WEIGHTS MANUAL

Category 4: C Train Double

Part 2 - Weight Limits

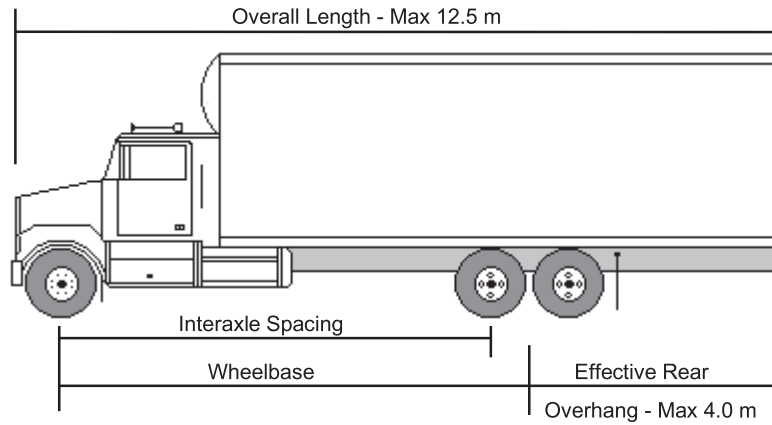


WEIGHT	LIMIT
Axle Weight Limits:	
Steering Axle	Maximum 5500 kg
Single Axle (dual tires)	Maximum 9100 kg
Tandem Axle: Axle Spread 1.2 m - 1.85 m	Maximum 17 000 kg
Weight Restriction 1: Sum of Axle Weights of Lead Semitrailer Plus Weight of Converter Dolly Axle	If Dimension "A" is less than 3 metres, the weight of the axle(s) on the lead semitrailer plus the weight of the converter dolly axle(s) is limited to a maximum of 17,000 kg for a two axle group or a maximum of 23,000 kg for a three axle group.
Weight Restriction 2: Sum of Axle Weights of Full Trailer or Second Semitrailer	The weight of the second trailer must not exceed the weight of the tractor drive axle(s) plus the weight of the axle(s) on the first semitrailer.
Gross Vehicle Weight Limits:	
Five Axles	Maximum 41 900 kg
Six Axles	Maximum 49 800 kg
Seven Axles	Maximum 54 600 kg
Eight Axles	Maximum 58 500 kg

VEHICLE SIZES & WEIGHTS MANUAL

Category 5: Straight Truck

Part 1 - Dimension Limits

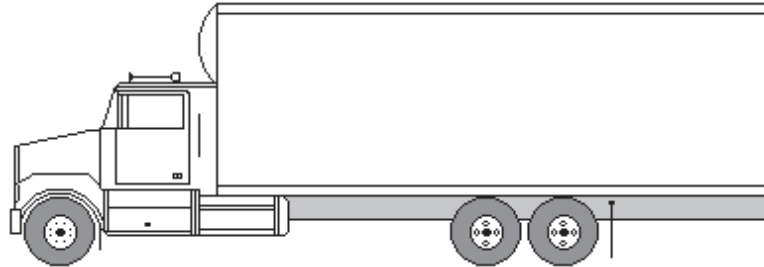


DIMENSION	LIMIT
Overall Length	Maximum 12.5 m
Overall Width	Maximum 2.6 m
Overall Height	Maximum 4.15 m
Box Length	Not Controlled
Wheelbase	Not controlled
Tandem Axle Spread	Minimum 1.2 m/Maximum 1.85 m
Effective Rear Overhang	Maximum 4.0 m
Interaxle Spacings	
Single Axle to Single or Tandem Axle	Minimum 3.0 m

VEHICLE SIZES & WEIGHTS MANUAL

Category 5: Straight Truck

Part 2 - Weight Limits



Max 7250 kg

Single Axle - Max 9100 kg

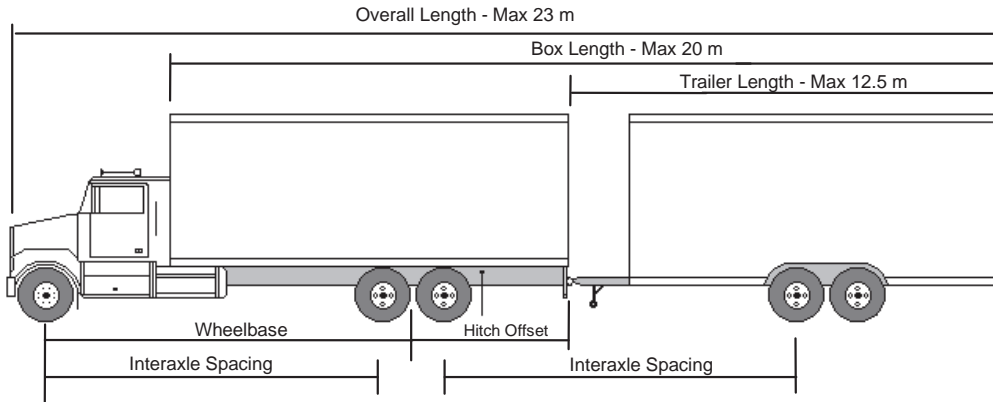
Tandem Axle - Max 17,000 kg

WEIGHT	LIMIT
Axle Weights:	
Steering Axle	Maximum 7250 kg
Single Axle (dual tires)	Maximum 9100 kg
Tandem Axle:	
Axle Spread 1.2 m - 1.85 m	Maximum 17 000 kg
Gross Vehicle Weight Limits:	
Two Axles	Maximum 16 350 kg
Three Axles	Maximum 24 250 kg

VEHICLE SIZES & WEIGHTS MANUAL

Category 6: Truck - Pony Trailer Combination

Part 1 - Dimension Limits



DIMENSION	LIMIT
Overall Length	Maximum 23 m
Overall Width	Maximum 2.6 m
Overall Height	Maximum 4.15 m
Box Length	Maximum 20 m
Truck:	
Length	Maximum 12.5 m
Wheelbase	Not controlled
Tandem Axle Spread	Minimum 1.2 m/Maximum 1.85 m
Effective Rear Overhang	Maximum 4.0 m
Hitch Offset	Maximum 1.8 m
Pony Trailer	
Length	Maximum 12.5 m
Wheelbase*	Minimum 6.25 m
Tandem Axle Spread*	Minimum 1.2 m/Maximum 1.85 m
Tridem Axle Spread*	Minimum 2.4 m/Maximum 2.5 m
Track Width: With dual tires*	Minimum 2.5 m/Maximum 2.6 m
With single tires*	Minimum 2.45 m ⁶ /Maximum 2.6 m
Effective Rear Overhang*	Maximum 4.0 m
Interaxle Spacings	
Single Axle to Single, Tandem or Tridem Axle	Minimum 3.0 m
Tandem Axle to Tandem Axle	Minimum 5.0 m
Tandem Axle to Tridem Axle	Minimum 5.5 m

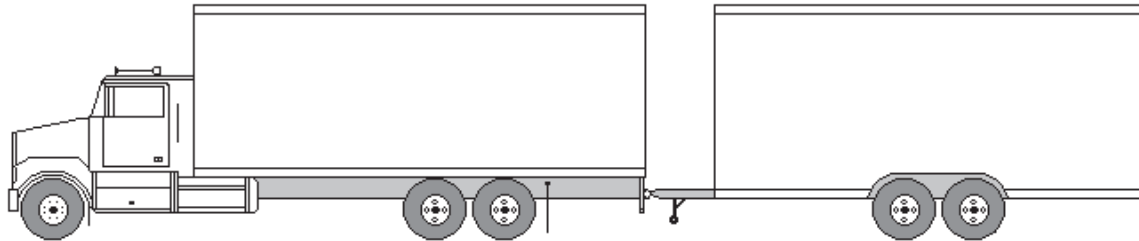
* Limits not applicable to pony trailers with Gross Vehicle Weight Rating of less than 10 000 kg.

⁶ The minimum track width for trailers fitted with single tires and manufactured prior to 2010 is 2.3 m.

VEHICLE SIZES & WEIGHTS MANUAL

Category 6: Truck - Pony Trailer Combination

Part 2 - Weight Limits



Max 7250 kg

Single Axle - Max 9100 kg
Tandem Axle - Max 17,000 kg

Single Axle - Max 9100 kg
Tandem Axle - Max 17,000 kg
Tridem Axle* - Max 21,000 kg

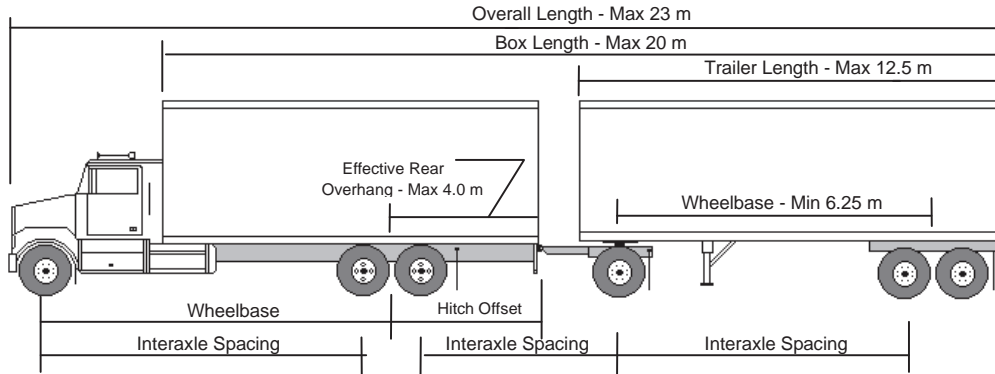
Note: The maximum spread permitted for a tridem axle group on a pony trailer is 2.5 m.

WEIGHTS	LIMITS
Axle Weight Limits: Steering Axle Single Axle (dual tires) Tandem Axle: Axle Spread 1.2 m - 1.85 m Tridem Axle: Axle Spread 2.4 m - 2.5 m	Maximum 7250 kg Maximum 9100 kg Maximum 17 000 kg Maximum 21 000 kg
Gross Vehicle Weight Limits: Three Axles Four Axles Five Axles Six Axles	Maximum 25 450 kg Maximum 33 350 kg Maximum 41 250 kg Maximum 45 250 kg

VEHICLE SIZES & WEIGHTS MANUAL

Category 7: Truck - Full Trailer Combination

Part 1 - Dimension Limits



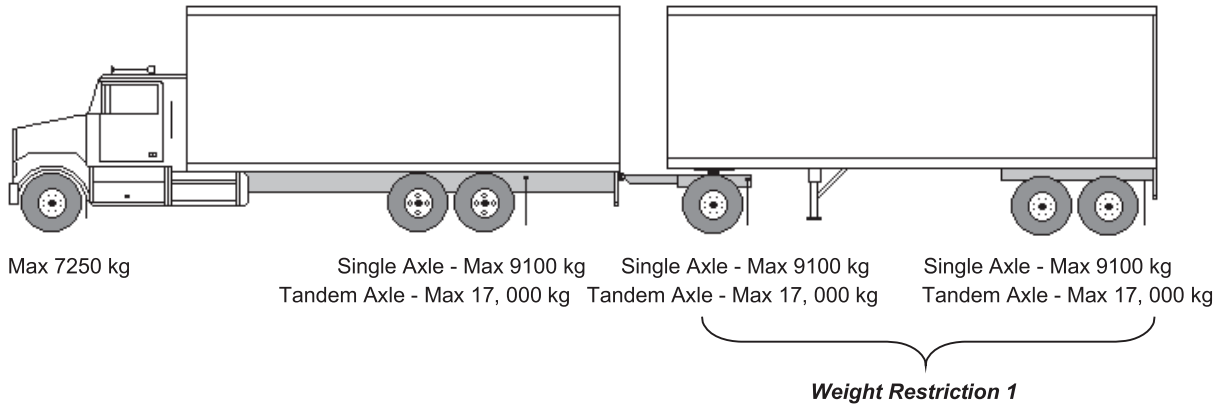
DIMENSION	LIMIT
Overall Length	Maximum 23 m
Overall Width	Maximum 2.6 m
Overall Height	Maximum 4.15 m
Box Length	Maximum 20 m
Truck:	
Length	Maximum 12.5 m
Wheelbase	Not controlled
Tandem Axle Spread	Minimum 1.2 m/Maximum 1.85 m
Effective Rear Overhang	Maximum 4.0 m
Hitch Offset	Maximum 1.8 m
Full Trailer	
Length	Maximum 12.5 m
Wheelbase	Minimum 6.25 m
Tandem Axle Spread	Minimum 1.2 m/Maximum 1.85 m
Track Width: With dual tires	Minimum 2.5 m/Maximum 2.6 m
With single tires	Minimum 2.45 m ⁷ /Maximum 2.6 m
Converter Dolly	
	The use of a double drawbar or C Dolly is not permitted on this combination
Interaxle Spacings	
Single Axle to Single or Tandem Axle	Minimum 3.0 m
Tandem Axle to Tandem Axle	Minimum 5.0 m

⁷ The minimum track width for trailers fitted with single tires and manufactured prior to 2010 is 2.3 m.

VEHICLE SIZES & WEIGHTS MANUAL

Category 7: Truck - Full Trailer Combination

Part 2 - Weight Limits

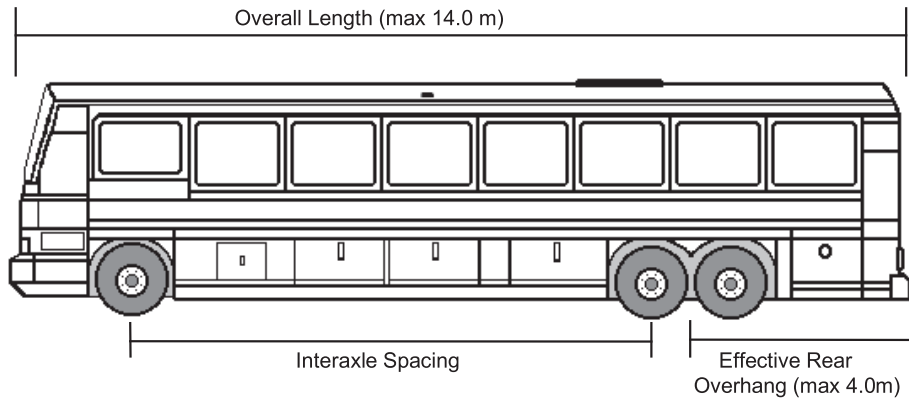


WEIGHT	LIMIT
Axle Weight Limits:	
Steering Axle	Maximum 7250 kg
Single Axle (dual tires)	Maximum 9100 kg
Tandem Axle:	
Axle Spread 1.2 m - 1.85 m	Maximum 17 000 kg
Weight Restriction 1:	
Sum of Axle Weights of Full Trailer	
4 Axle Truck-Trailer Combination	Maximum 17 000 kg
5 Axle Truck-Trailer Combination	Maximum 17 000 kg
6 Axle Truck-Trailer Combination	Maximum 24 000 kg
7 Axle Truck-Trailer Combination	Maximum 31 000 kg
Gross Vehicle Weight Limits:	
Four Axles	Maximum 33 350 kg
Five Axles	Maximum 41 250 kg
Six Axles	Maximum 48 250 kg
Seven Axles	Maximum 53 500 kg

VEHICLE SIZES & WEIGHTS MANUAL

Category 8: Intercity Bus (and Recreational Vehicles)

Part 1 - Dimension Limits

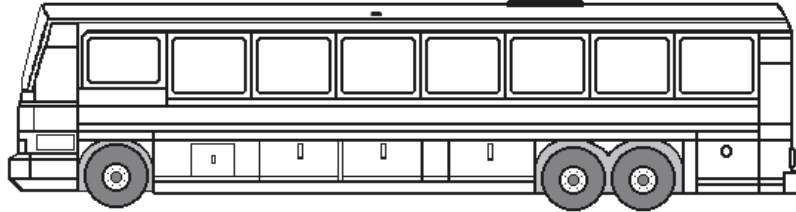


DIMENSION	LIMIT
Overall Length	Maximum 14.0 m
Overall Width	Maximum 2.6 m
Overall Height	Maximum 4.15 m
Wheelbase	Not controlled
Tandem Axle Spread	Minimum 1.2 m/Maximum 1.85 m
Effective Rear Overhang	Maximum 4.0 m
Axle Requirements:	
Overall length 12.5 m or less	Not controlled
Overall length greater than 12.5 m	Minimum 3 axles

VEHICLE SIZES & WEIGHTS MANUAL

Category 8: Intercity Bus and Recreational Vehicles

Part 2 - Weight Limits



Max 7250 kg

Single Axle (single tires) - Max 6000 kg
 Single Axle (dual tires) - Max 9100 kg
 Tandem Axle - Max 17000 kg

WEIGHT	LIMIT
Axle Weights:	
Steering Axle	Maximum 7250 kg
Single Axle (dual tires)	Maximum 9100 kg
Single Axle (single tires)	Maximum 6000 kg
Tandem Axle	Maximum 17 000 kg
Gross Vehicle Weight Limits:	
Two axles	Maximum 16 350 kg
Three axles (8 tires)	Maximum 22 350 kg
Three axles (10 tires)	Maximum 24 250 kg

Definitions

A Dolly

A trailer converter dolly that is towed from a single hitch located on the centre line of the towing unit

A Train Double

A combination of vehicles composed of a tractor, a semitrailer and either an A Dolly and a semitrailer or a full trailer attached to the lead semitrailer in a like manner as if an A Dolly were used

Axle

An assembly of two or more wheels whose centres are in one transverse vertical plane and which transmits weight to the highway

Axle Spread

The longitudinal distance between the extreme axle centres of the axle group

Axle Group

Any number of axles, within a single vehicle unit, that equalize loads on adjacent axles within 1000 kg

Axle Weight

The total weight transmitted to the highway by the axle or axle group

VEHICLE SIZES & WEIGHTS MANUAL

B Train Double

A combination of vehicles composed of a tractor, a semitrailer, followed by another semitrailer attached to the first semitrailer by the means of a fifth wheel mounted on the rear of the first semitrailer

Box Length

The longitudinal dimension from the forward most part of the cargo carrying unit(s) or load(s) to the rearmost part of the cargo carrying unit(s) or load(s), exclusive of any extension(s) in the dimension caused by auxiliary equipment or machinery at the front that is not designed for the transportation of goods

C Dolly

A trailer converter dolly, with a frame rigid in the horizontal plane that is towed from two hitches located in a horizontal transverse line on the towing unit, that precludes any rotation in the horizontal plane about the hitch points, and which satisfies all requirements of the Canadian Motor Vehicle Safety Standards applicable to such devices

C Train Double

A combination of vehicles composed of a tractor, a semitrailer, followed by another semitrailer attached to the first semitrailer by the means of a C Dolly

Drawbar

A structural member of a full trailer, pony trailer or trailer converter dolly that includes a device for the purpose of coupling with a trailer hitch or fifth wheel

Drawbar Length

The longitudinal distance from the centre of the hole in the fifth wheel of a converter dolly to the centre of the hitching device on the towing vehicle

Drive Axle

The axle or axle group that is or may be connected to the power source of a motor vehicle and that transmits power to the wheels

Effective Rear Overhang

The longitudinal distance calculated from the trailer turn centre to the rearmost point including load on the trailer or semitrailer

Fifth Wheel

A coupling device that is mounted on the vehicle chassis and that consists of a skid plate, associated mounting brackets and latching mechanism that couples or connects to a kingpin located on the other vehicle or component, for the purpose of supporting and towing a semitrailer

Fifth Wheel Offset

The longitudinal distance calculated from the center of the hole for the kingpin in the fifth wheel/kingpin assembly to the center of the drive axle unit

VEHICLE SIZES & WEIGHTS MANUAL

Full Trailer

A vehicle that is designed to be towed by another vehicle and is so designed and used that the whole of its weight and load is carried on its own axles and includes a combination consisting of a semitrailer and a trailer converter dolly

Gross Vehicle Weight

The total weight transmitted to the highway by a vehicle or combination of vehicles

Height

The vertical distance from the highest point on the vehicle to the ground

Hitch Offset

The longitudinal distance from the towing vehicle turn center to the articulation point of the hitch or fifth wheel used to tow the trailing unit

Interaxle Spacing

The longitudinal distance separating two axle or axle groups calculated from the centres of the two adjacent axles

Intercity Bus

A vehicle designed to carry more than fifteen passengers and equipped with facilities to allow extended travel without stopping

Lift Axle

See Lifiable Axle

Lifiable Axle

An assembly of two or more wheels whose centres are in one transverse plane that is equipped with a device for altering (other than by longitudinal movement of the assembly only) the weight transmitted to the highway surface and that may be able to lift its tires from contact with that surface

Kingpin Setback

The horizontal distance from the vertical axis through the center of the kingpin to any point on the semitrailer ahead of the kingpin including load but exclusive of any extension to the length caused by auxiliary equipment or machinery that is not designed for the transportation of goods

Length (Full Trailer)

The longitudinal dimension from the front of the cargo carrying section of the full trailer to its rearmost point

Length (Pony Trailer)

The longitudinal dimension from the front of the drawbar of the pony trailer to its rearmost point

Length (Semitrailer)

The longitudinal dimension from the front of the cargo carrying section of the semitrailer to its rear, exclusive of any extension in length caused by equipment or machinery at the front that is not designed for the transportation of goods

Overall Height

The greatest overall vertical distance from the highest point on the vehicle or load to the ground

VEHICLE SIZES & WEIGHTS MANUAL

Overall Length

The greatest overall longitudinal dimension of a vehicle or combination of vehicles including load

Pony Trailer

A vehicle that is designed to be towed by another vehicle, is equipped with a drawbar that is rigidly attached to the structure of the trailer, and is so designed and used that the preponderance of its weight and load is carried on its own axles

Rear Overhang

The longitudinal distance calculated from the center of the last axle to the rearmost point, including load, on the trailer or semitrailer

Semitrailer

A vehicle that is designed to be towed by another vehicle and is so designed and used that a substantial part of its weight and load rests on or is carried by the other vehicle or a trailer converter dolly through a fifth wheel and kingpin combination

Single Axle

One or more axles whose centres are included between two parallel transverse vertical planes 1.2 metres apart

Steering Axle

The articulated lead axle or axles of a motor vehicle which govern the direction travelled by the vehicle

Self Steering Axle

An axle which articulates in response to forces generated between the tire and the road or through mechanisms or linkages operating independently of the driver of the vehicle

Tandem Axle Group

An axle group containing two consecutive axles whose centers are not less than 1.2 meters apart and are attached to the vehicle in a manner which achieves equalized loading between the axles

Tractor

A motor vehicle designed to and normally used to pull a semitrailer or a semitrailer and a full trailer or a semitrailer and a semitrailer

Track Width

The width of an axle across the outside faces of the tires measured at any point above the lowest point of the rim

Tractor Wheelbase

The longitudinal distance from the center of the steering axle to the geometric center of the drive axle unit

Trailer Converter Dolly

A vehicle unit consisting of one or more axles, a fifth wheel and a drawbar used to convert a semitrailer to a full trailer

Trailer Wheelbase

The longitudinal distance from the center of the kingpin of a semitrailer, or the centre of the turntable of a full trailer, or the centre of the hitching device on a pony trailer, to the trailer turn center

VEHICLE SIZES & WEIGHTS MANUAL

Tridem Axle Group

An axle group containing three consecutive axles whose extreme centres are not less than 2.4 metres apart, are equally spaced and are attached to the vehicle in a manner which achieves equalized loading among the three axles

Truck

A motor vehicle, other than a bus, that is either permanently fitted with a special purpose device, or is designed to and normally used to carry a load, that may operate as a single unit or may pull a trailer other than a semitrailer

Turn Centre

The geometric centre of the axle group on a semitrailer or pony trailer or the rear axle group on a truck, tractor or full trailer

Width of Tire

The width of the tire as customarily measured and rated by manufacturers of motor vehicles and tires

Designated Highway Systems

Yukon

Yukon's designated highway system includes:

- Highway 1, Alaska Highway
- Highway 2, Klondike Highway
- Highway 3, Haines Road
- Highway 4, Robert Campbell Highway
- Highway 5, Dempster Highway
- Highway 7, Atlin Road
- Highway 8, Tagish Road Km 0-2 only
- Highway 9, Top of the World Highway
- Highway 11, Silver Trail
- Highway 15, Mitchell Road
- Highway 37, Stewart Cassiar Highway

British Columbia

British Columbia's designated highway system includes:

- a. highways in unorganized territory, and
- b. arterial highways as designated by authority of Section 45 of the Transportation Act..

The Motor Vehicle Act and Commercial Transport Act defines highway as:

"highway includes every highway within the meaning of the Highway Act, and every road, street, lane or right of way designed for or used by the general public for the passages of vehicles, and every private place or passageway to which the public, for the purpose of parking or servicing of vehicles, has access or is invited."

VEHICLE SIZES & WEIGHTS MANUAL

Alberta

Alberta's designated highway system includes numbered highways from 1 to 99 and 500 to 999.

Manitoba

Manitoba's designated highway system includes routes classified as "RTAC Routes" and RTAC routes designated under permit.

Ontario

Ontario's designated highway system includes all of the King's Highways but excludes secondary roads.

Québec

Québec's designated highway system includes all public highways but excludes bridges with limited capacity and certain roads which have a limited Gross Vehicle Weight of 59,000 kg.

New Brunswick:

New Brunswick's designated highway system includes all public highways. However there are four classes of highways within this system, with Gross Vehicle Weight limits as follows:

Class 1 — Gross Vehicle Weights up to 62,500 kg

Class 2 — Gross Vehicle Weights up to 56,500 kg

Class 3 — Gross Vehicle Weights up to 50,000 kg

Class 4 — Gross Vehicle Weights up to 43,500 kg

The overall length limit is 25 meters on all classes of highways.

Nova Scotia

Nova Scotia's designated highway system includes:

Primary Highway System:

Available to all tractor semitrailer and B Train double trailer combinations.

Secondary Highway System:

Restricted to vehicles with a Gross Vehicle Weight of 41,500 kg or less.

B Train Double trailer combination Network:

Subject to special designation; includes the primary highway system plus additional routes identified from within the secondary network. Carriers may request access to sections of the secondary highway system and approval may be granted if traffic and bridge capacity criteria are met.

Prince Edward Island

Prince Edward Island's designated highway system includes:

- all public highways for tractor semitrailer configurations
- all highways with paved shoulders for A, B and C Train double trailer combinations

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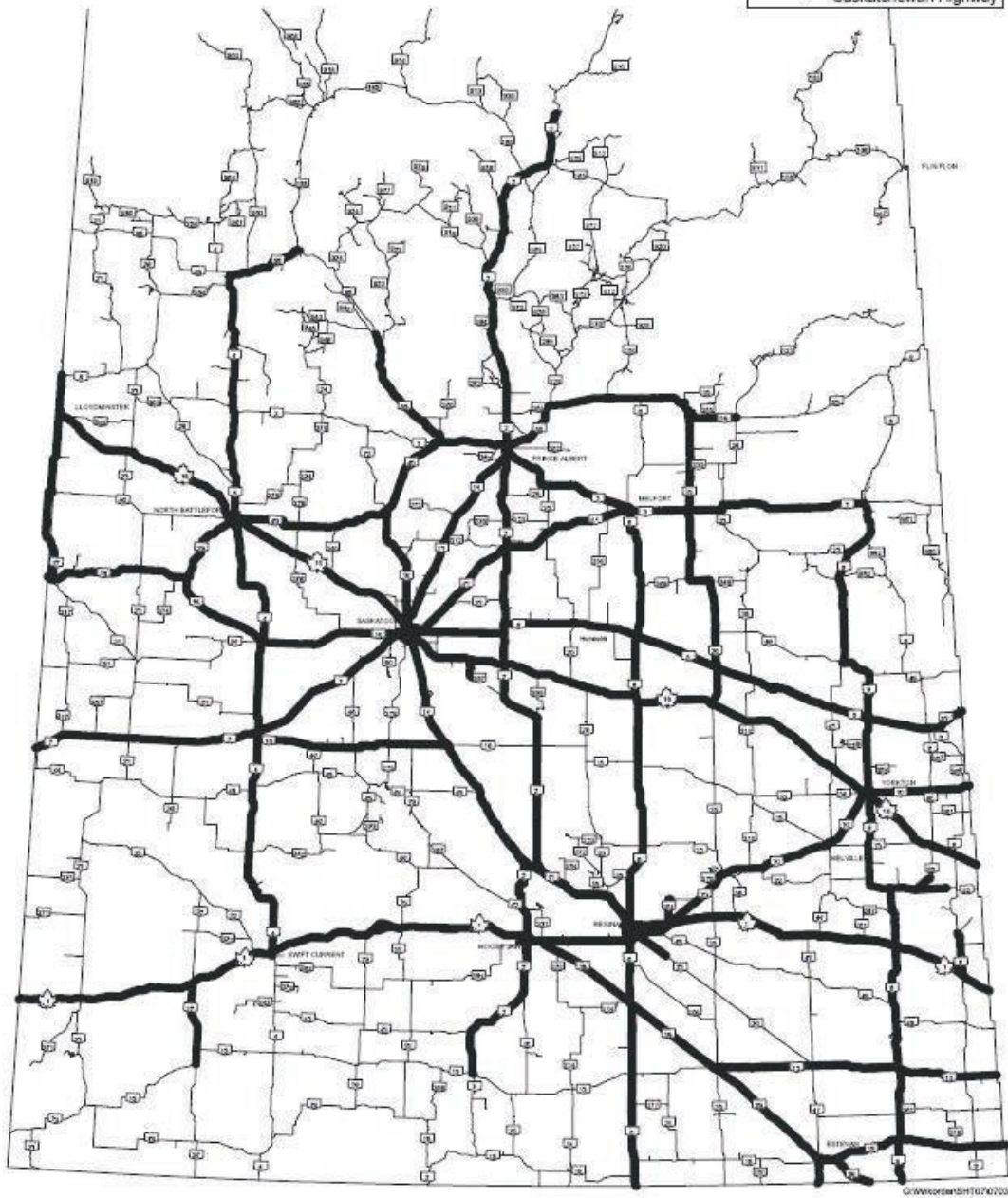
Newfoundland and Labrador

Newfoundland and Labrador's designated highway system includes all primary and secondary roads, except those that are otherwise posted.

Saskatchewan



Saskatchewan Primary Weight Highway



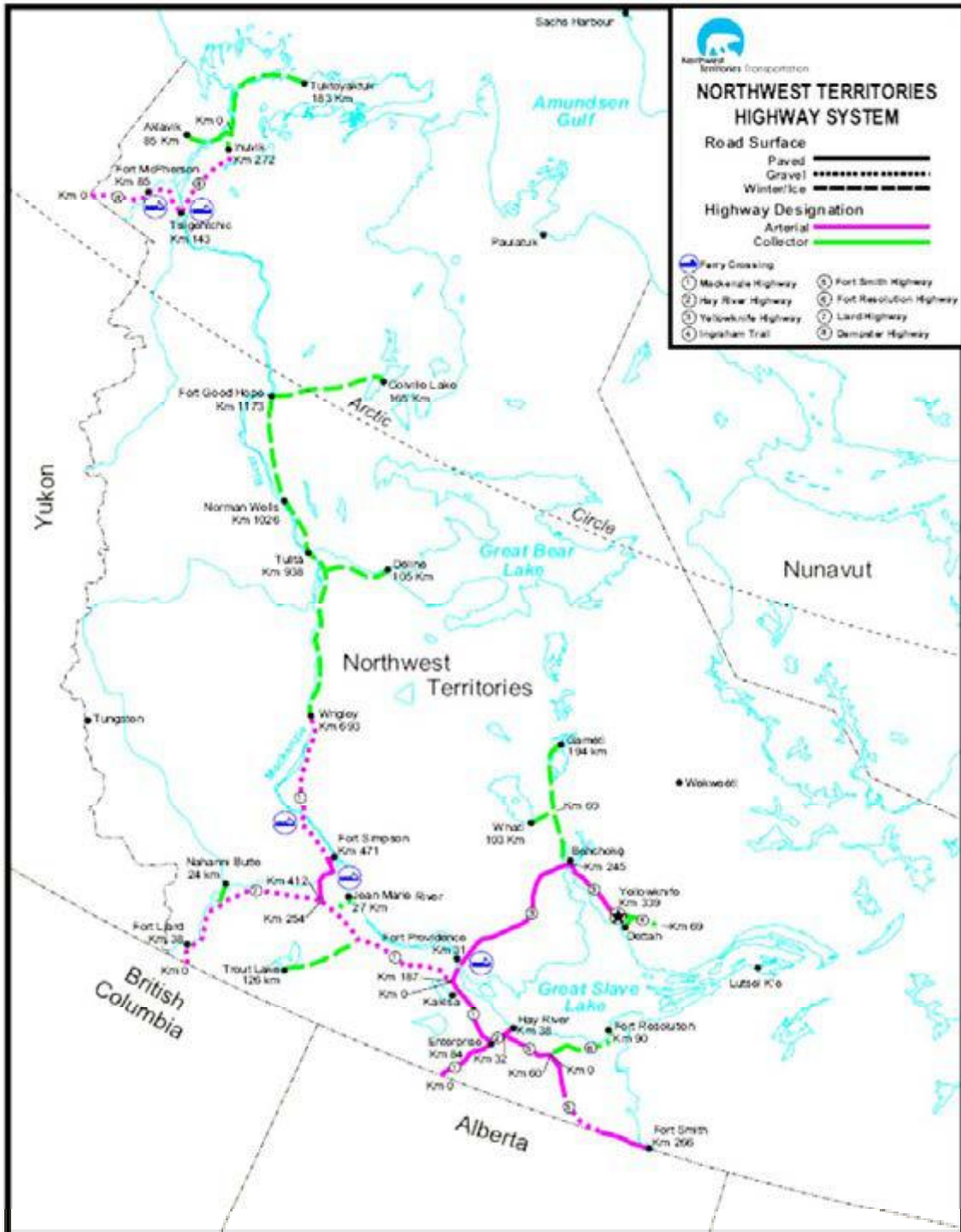
VEHICLE SIZES & WEIGHTS MANUAL

Northwest Territories

The Northwest Territories' designated highway system includes: arterial class, collector class and local classes of roads and highways in accordance with the NWT Public Highway Act. A summary of the system and map are included. The system does have seasonal restrictions and limited capacity on some routes.

CLASS	HIGHWAY (NAME/No.)	RESTRICTIONS/NOTES
ARTERIAL	Mackenzie Highway No.1 - km 0 to km 687 Hay River Highway No. 2 - km 0 to 48.6 Yellowknife Highway No. 3 - km 0 to km 338.8 Yellowknife Highway No. 3 Winter Detour Road - 12.5 km Fort Smith Highway No. 5 - km 0 to km 266 Liard Highway No. 7 - km 0 to km 254.1 Dempster Highway No. 8 - km 0 to km 272.5 [map attached]	Seasonal Weight restrictions (75%) in effect on selected Highways (or Highway sections) as required. Ferry Restrictions (seasonal) due to weight, water levels and ice conditions and must be followed. Winter /Ice Road weight restrictions apply (seasonal) and must be followed. Enhanced Visibility Highways include only the Hwy 1 and 3 Route from the Alberta border to Yellowknife and Hwy 2. Call ahead to the permit issuing office for specific details.
COLLECTOR	Ingraham Trail Highway No. 4 - km 0 to km 69.2 Fort Resolution Highway No. 6 - km 0 to km 90.0 Dettah Road - km 0 to km 11.3 Dettah Ice Road - 6.3 km Aklavik Ice Road - 86 km Colville Lake Winter Road - 165 km Deline Ice Road - 105.3 km Inuvik-Tuktoyaktuk Ice Road - 194 km Mackenzie Valley Winter Road - 486.4 km Nahanni Butte Winter Road - 22.3 km Trout Lake Winter Road - 126 km Whati Winter Road - 105 km Gameti Ice Road - 138 km Various Community Access Roads [map attached]	Seasonal Weight restrictions (75%) in effect on selected Highways (or Highway sections) as required. Winter /Ice Road weight restrictions apply (seasonal) and must be followed. Call ahead to permit issuing office for specific details.
LOCAL	Kakisa Access Road - 12.9 km Salt River Access Road - 15.5 km Vee Lake Road - 5.1 km Various Local Roads [map attached]	As per the NWT Public Highways Act

VEHICLE SIZES & WEIGHTS MANUAL



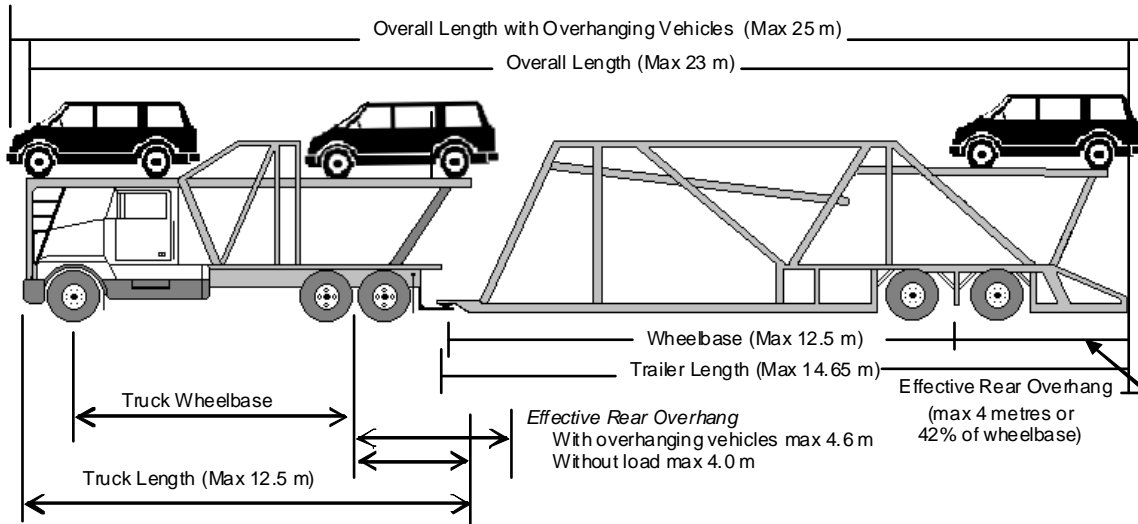
VEHICLE SIZES & WEIGHTS MANUAL

Vehicle Weight and Dimension Limits for Specialized Vehicles

Note: For this category, provinces and territories have agreed to allow these configurations to operate on highways deemed suitable and appropriate by the jurisdiction, either through regulation or by issuance of special permit authorities.

Category S1: Stinger Steer Automobile Carrier

Part 1 - Dimension Limits



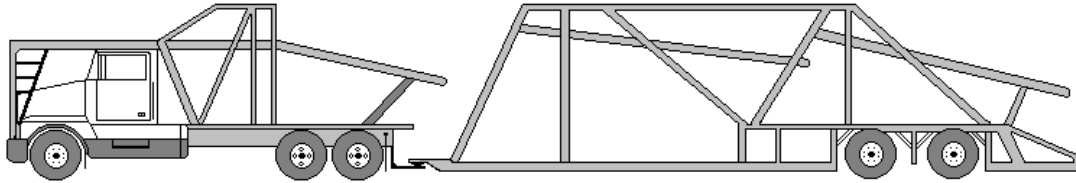
DIMENSION	LIMIT
Overall Length - without load	Maximum 23 m
- when loaded with overhanging motor vehicles	Maximum 25 m
Overall Width	Maximum 2.6 m
Overall Height	Maximum 4.3 m
Truck:	
Overall Length	Maximum 12.5 m
Wheelbase	Not Controlled
Tandem Axle Spread	Min 1.2 m/Max 1.85 m
Fifth wheel offset (behind centre of drive axle or axle group)	Not controlled
Load Overhang at front of tractor (beyond tractor bumper)	Maximum 1.0 m
Effective Rear Overhang - without load	Maximum 4.0 m
- when loaded with overhanging motor vehicles	Maximum 4.6 m
Semitrailer	
Length	Maximum 14.65 m
Wheelbase	Min 6.25 m/Max 12.5 m
Effective Rear Overhang (excluding overhanging load)	Maximum 4 m or 42% of wheelbase, whichever is greater
Load Overhang at Rear of Semitrailer (provided width of overhang does not exceed 2.3 m)	Maximum 1.2 m
Tandem Axle Spread	Min 1.2 m/Max 1.85 m
Interaxle Spacing	
Single Axle to Single or Tandem Axle	Minimum 3.0 m
Tandem Axle to Tandem Axle	Minimum 5.0 m

Note: Extendable support plates are considered to be part of the load.

VEHICLE SIZES & WEIGHTS MANUAL

Category S1: Stinger Steer Automobile Carrier

Part 2 - Weight Limits



Max 6000 kg

Single Axle - Max 9100 kg
Tandem Axle - Max 17 000 kg

Single Axle - Max 9100 kg
Tandem Axle - Max 17 000 kg

WEIGHT	LIMIT
Axle Weights:	
Steering Axle	Maximum 6000 kg
Single Axle (dual tires)	Maximum 9100 kg
Tandem Axle:	
Axle Spread 1.2 m - 1.85 m	Maximum 17 000 kg
Gross Vehicle Weight:	
Three Axles	Sum of Axle Weights
Four Axles	Maximum 24 200 kg
Five Axles	Maximum 32 100 kg
	Maximum 40 000 kg

VEHICLE SIZES & WEIGHTS MANUAL

Reserved