# SIZE AND WEIGHT OF VEHICLES AND VEHICLE COMBINATIONS 

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Note: Chapter Trans 276 was created by emergency rule effective June 5, 1984
Trans 276.01 General. (1) Scope. This chapter identifies and designates a list of qualifying highways for the operation of vehicles and combinations of vehicles the overall lengths of which cannot be limited. In addition, this chapter clarifies other statutory provisions or federal rules affecting the weight, width and length of vehicles and combinations of vehicles and the number of vehicles in combination.
(2) Policy. This policy is intended to permit Wisconsin to comply with federal law, to provide guidance to vehicte users and law enforcement authorities for safe and lawful operations, and to continue the reasonable enforcement of Wisconsin vehicle size and combination laws.
History: Cr. Register, December, 1984, No. 348, eff. 1-1-85; am. (I), Register, July, 1991, No. 427, eff. 8-1-91.

Trans 276.02 Definitions. (1) In this chapter words and phrases have the meanings designated in chs. 340 and 348 , Stats., and ch. Trans 250 , unless a different meaning is expressly provided in this chapter.
(2) In this chapter:
(a) "Boat haulaway" means any vehicle combination designed and used specifically to transport assembled boats and boat hulls. Boats may be partially disassembled to facilitate transporting.
(b) "Double saddlemount combination" means a saddlemount combination consisting of a towing vehicle and 2 towed vehicles. It may include a fullmount in addition to the towing and 2 towed vehicles.
(c) "Fullmount" means a smaller vehicle mounted completely on the frame of either the first or last vehicle in a saddlemount combination.
(d) "National network", means all portions of the national system of interstate and defense highways in Wisconsin and all other highways in Wisconsin listed in appendix A to 23 CFR 658.
(e) "Saddle" means a mechanism that connects the front axle of a towed vehicle in a saddlemount combination to the frame or fifth wheel of the vehtcle in front of it and functions like a fifth wheel kingpin comection.
(f) "Saddlemount combination" means 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 vehicle in front of it.
(g) "Stinger-steered autómobile haulaway" means a trucktractor semitrailer combination, used to transport operational automobiles, wherein the fifth wheel is located on a drop frame behind and below the rearmost axle of the power unit.
(h) "Stinger-steered boat haulaway" means a track-tractor semitrailer combination used to transport assembled or partially assembled boats and boat huils, wherein the fifth wheel is located on a drop frame behind and below the rearmost axle of the power unit.
(i) "Triple saddlemount combination" means a saddlemount combination consisting of a towing vehicle and 3 towed vehicles. It may include a fullmount in addition to the towing and 3 towed vehicles.
History: C. Register, Decenber, 1984, No. 348, eff. 1-1-85; am. Register, July, 1991, No. 427, eff. 8-1-91; renum, to be (1), cr. (2), Register, January, 1993, No. 445, cff. 2-1-93.

Trans 276.03 Safety devices-width exclusion. (1) The devices in this subsection are designated as safety devices as required under 23 CFR 658.5 (g) and 23 CFR 658.15 and are not included in the calculation of width:
(a) Rear-wiew mirrors;
(b) Turn-signal lamps;
(c) Hand-holds for cab entry and egress;
(d) Splash and spray suppressant devices;
(e) Load induced tire bulge.
(2) The devices in this subsection are determined to be safety devices and are not to be included in the calculation of width proyided such devices do not extend beyond 3 inches on each side of a vehicle.
(a) Door hardware, including door handles and locking devices.
(b) Load tie down devices.
(c) Toe holds or retractable steps.

Note: The 3-inch limit is imposed by 23 CFR 658 . 15. The secretary is authorized to designate additional devices in $5.348 .05(2 \mathrm{~m})$, Stats.
History1 C. Register, December, 1984, No. 348, cff. 1-1-85.
Trans 276.04 Width, metric equivalent. For purposes of enforcement of ch. 348 , Stats., 23 CFR 658, and this chapter, the approximate metric equivalent of 102 inches is deemed to be within the 102 limit of $s .348,05$, Stats. The approximate metric equivalent of 102 inches is 2.6 meters, which equals approximately 102.36 inches.

Note: The use of the metric equivalent of 102 inches is authorized in 23 CFR 658.15.

History: Cc. Register, December, 1984, No. 348, eff. 1-1-85.
Trans 276.05 Automoblle haulaways. For enforcement purposes:
(1) The provision of s. 348.07 (2) (g), Stats., which limits the length of a trailer or semitraiter in a 2 -vehicle combination to 48 feet does not apply to an automobile or boat haulaway provided the automobile or boat haulaway does not exceed 66 feet in length plus the authorized front and rear overhangs. This subsection applies to both designated and non-designated highways.
(2) An automobile or boat haulaway exceeding 66 feet in length may operate on designated highways and 5 -mile access routes provided the trailer or semitrailer portion of the combination does not exceed 48 feet plus authorized rear overhang.
(3) A stinger-steered automobile or boat haulaway exceeding 66 feet in length may operate on the national network and 5-mile access routes providing its overall length does not exceed 75 feet
plus overhangs of not more than 3 feet to the front and 4 feet to the rear.
History, Cr. Register, December, 1984, No. 348, eff, 1-1-85; am. Register, January, 1993, No. 445, eff. 2-1-93.

Trans 276.06 Permits for vehicles operating In saddlemount combination or motor buses. For enforcement purposes, no permit is requited for vehicles operating in double or triple saddlemount combination provided the overall length of the combination is 75 feet or less, or for the operation of any motor bus provided the overall length of the motor bus is 45 feet or less. This section applies to the national network and 5-mile access routes.


Note: The provision of Wisconsin law requiring a pernit for these combinations
(s. 348.27 (13), Stats, was preempted by the federal rule (23 CFR 6.58 .13 (d) (1) iii.)
when these vehicles operate on the designated system and access routes.
Note: The provision of Wisconsin Iaw requining a permit for the operation of motor buses in excess of 40 feet in length ( $\mathbf{s . 3 4 8 . 0 7 ( 1 ) \text { , Stats.) was preempted by federal }}$ Jaw ( 49 USC Appx. section 2311 (a) as amended by section 4006 (b) of the Intermodal Surface Transportation Efficiency Act of 1991) when these vehicles operate on the federally designated system and access routes.

History: Cr. Register, December, 1984, No. 348, eff. 1-1-85; am. Register, July. 1992, No. 439, eff. 8-1-92; am. Register, January, 1993, No. 445, eff, 2-1-93.

Trans 276.07 Designated highways. The following highways are designated for purposes of the operation of the specified vehicles and combinations with lengths as stated in s. 348.07 (4), Stats.:


|  | Route | From | To |
| :---: | :---: | :---: | :---: |
|  | STH 73 | USH 151 S.W. of Columbus | STH 54 in Wisconsin Rapids |
|  | STH 73 | STH 13 W. of Pitsville | STH 64 S. of Gilman |
| (15m) | STH 70 | MN Line | STH 48 in Grantsburg |
| (16) | STH 76 | USH 10 W . of Appleton | USH 45 at Greenville |
|  | STH 78 | IH 90-94 S. of Portage | USH 51 N. of Portage |
|  | STH 79 | USH 12 N.W. of Menomonie | STH 170 at Boyceville |
| (17) | STH 80 | STH 11 S . of Cuba City | USH 14 at Richland Center |
|  | STH 80 | STH 33 in Union Center | STH 13 at Pittsville |
|  | STH 81 | STH 35 N.E. of Beetown | STH 23 S . of Darlington |
|  | STH 81 | STH 11 N . of Monroe | STH 11 S. of Brodhead |
|  | STH 82 | STH 80 N . of Elroy | USH 51 W. of Montello |
|  | STH 83 | STH 167 S. of Hartford | STH 60 in Hartford |
|  | STH 85 | USH 10 in Durand | STH 37 S.W. of Eau Claire |
|  | STH 87 | USH 8 in St. Croix Falls | STH 48 S . of Grantsburg |
|  | STH 89 | USH 14 N : of Darien | USH 12 in Whitewater |
|  | STH 89 | IH 94 at Lake Mills | STH 73 in Columbus |
| (17m) | STH 81 | STH 11 S. of Brodhead | STH 213 in Beloit |
| (18) | IH 90 | MN Line at La Crosse | LL Line at Beloit |
|  | STH 92 | STH 69 W. of Belleville | STH 69 in Belleville |
|  | STH 93 | USH 53 in Galesville | USH 53 in Eau Claire |
|  | IH 94 | MN Line at Hudson | HL Line S. of.Pleasant Prairie |
|  | STH 95 | USH 53 at Blair | STH 73 S. of Neillsville |
|  | STH 97 | STH 13 in Marshifield | STH 29 S . of Athens |
|  | STH 98 | STH 73 W. of Loyal | STH 13 in Spencer |
| (19) | STH 100 | IH 94 in Oak Creek | IH 43 in Milwaukee Co. |
|  | STH $103{ }^{\text {. }}$ | STH 49 S. of Brandon | USH 151 at LaMartine |
| (20) | STH 110 | USH 41 at Oshkosh | USH 10 E. of Fremont |
|  | STH 117 | STH 29-47 in Bonduel | STH 22 in Cecil |
|  | STH 119 | IH 94 in Milwaukee | STH 38 in Milwaukee |
| (21) | STH 121 | STH 93 in Independence | USH 53 in Pigeon Falls |
|  | STH 124 | USH 53 N . of Ean Claire | STH 64 E. of Bloomer |
|  | STH 128 | STH 29 in Spring Valley | STH 170 in Glenwood City |
|  | STH 129 | USH 61 S.E. of Lancaster | USH 61 N.E. of Lancaster |
| (22) | STH 131 | USH 14-61 at Readstown | STH 56 at Viola |
|  | STH 131 | STH 71 in Wilton | IH 90 S. of Tomah |
|  | STH 133 | USH 61 in Boscobel | USH 14 N. of Lone Rock |
|  | STH 138 | STH 14 in Oregon | USH 51 W . of Stoughton |
|  | STH 139 | USH 8 N . of Cavour | Long Lake |
| (23) | USH 141 | IH 43 at Bellevue | STH 29 at Bellevue |
|  | USH 141 | USH 41 at Abrams | USH 8 S.E. of Niagara |
|  | STH 144 | USH 45 at West Bend | STH 57 at Random Lake |
|  | STH 145 | Broadway in Milwaukee | USH 41-45 in Milwaukee |
| (24) | STH 150 | STH 110 at Winchester | USH 41 at Neenah |
|  | USH 151 | IA Line at Dubuque, IA | S. Park St. in Madison |
|  | USH 151 | 1H 90-94 in Madison | USH 41 in Fond du Lac |
|  | USH 151 | STH 23 in Fond du Lac | USH 10 at Manitowoc |
|  | USH 158 | IH 94 W. of Kenosha | STH 31 in Kenosha |
|  | STH 164 | STH 43 N . of Big Bend | USH 18 E. of Waukesha |
|  | STH 164 | 1H 94 N . of Waukesha | STH 74 in Sussex |
|  | STH 165 | 1H 94 W. of Kenosha | STH 31 in Kenosha |
|  | STH 170 | STH 128 in Glenwood City | STH 79 in Boyceville |
|  | STH 172 | USH 41 in Ashwaubenon | IH 43 S.E. of Green Bay |
|  | STH 173 | STH 21 W . of Wyeville | STH 73 in Nekoosa |
|  | STH 175 | STH 67 in Lomira | CTH P S. of Theresa |
|  | STH 178 | CTH S N. of Chippewa Falls | Jim Falls |
| (25) | STH 186 | STH 13-73 S. of Vesper | USH 10 in Auburndale |


|  | Route | From | To |
| :---: | :---: | :---: | :---: |
|  | STH 190 | STH 16 at Pewaukee | STH 100 in Wauwatosa |
|  | STH 194 | STH 27 W . of Sheldon | CTH G in Sheldon |
| (26) | STH 213 | STH 11 in Orfordville | USH 14 in Evansville |
|  | STH 310 | USH 10 N.W. of Manitowoc | STH 42 in Two Rivers |
|  | IH 535 | 5th St. in Superior | MN Line at Superior |
|  | IH 794 | IH 43 -94 in Milwaukee | Car Ferry Dr. In Milwaukee |
|  | IH 894 | IH 94 W. of Milwaukee | IH 94 S. of Milwaukee |
| (26m) | STH 213 | Broad St. in Beloit | STH 81 in Beloit |
| (27) CALUMET COUNTY: | CTH PP | STH 57 S. of Hilbert | USH 10 in Briltion |
| (28) CHIPPEWA COUNTY: | CTH S | STH 124 N. of Chippewa Falls | STH 178 N. of Chippewa Falls |
|  | CTH S | Jim Falls | STH 27 E . of Jim Falls |
|  | CTHY | STH 124 W. of Jim Falls | Jim Falls |
| (29) COLUMBIA COUNTY: | CTH AW | STH 73 N . of Randolph | East County Line |
| (30) DANE COUNTY: | CTH N | USH 51 in Stoughton | IH 90 N. of Stoughton |
|  | CTH PB | STH 69 at Paoli | USH 18-151 E. of Verona |
| (31) DODGE COUNTY: | CTH A | STH 26 S . of Juneau | STH 68 at Fox Lake |
|  | CTH A | STH 33 W. of Fox Lake | North County Line |
| \% | CTH AW | West County Line | STH 49 W . of Waupun |
|  | CTH C | CTH A E. of Fox Lake | USH 151 W. of Atwater |
|  | CTH P | STH 60 S. of Rubicon | STH 175 S. of Theresa |
| (31m) EAU CLAIRE COUNTY: | CTH R | S. County Line | USH 12 W . of Augusta |
| (31r) MANITOWOC COUNTY: | CTHW | USH 151 W. of Valders | USH 10 at Reedsville |
| (32) FOND DU LAC COUNTY: | CTH AW | West County Line | STH 49 W . of Waupun |
|  | CTH B | USH 415 . of Fond du Lac | USH 45 in Eden |
|  | CTH B | USH 45 E . of Eden | STH 67 S. of St, Cloud. |
| $\because$ | CTH G | STH 67 S. of St. Cloud | St. Cloud |
|  | CTH KK | West County Line | STH 44-49 S. of Ripon |
|  | CTHM | STH 23 W. of Rosendale | North County Line |
|  | CTH OOO | CTH VVV W. of Fond du Lac | Main St. in Fond du Lac |
|  | CTH VVV | STH 23 W . of Fond du Lac | CTH OOO W. of Fond du Lac |
| (33) GREEN LAKE COUNTY: | CTH A | South County Line | CTH K S. of Green Lake |
|  | CTH AW | STH 73 S. of Manchester | East County Line |
|  | CTH K | CTH A S. of Green Lake | East County Line |
| (34) KENOSHA COUNTY: | CTH C | CTH W in Wilmot | USH 45 S. of Bristol |
| (35) MLWAUKEE COUNTY: : . | CTH BB | STH 100 in Franklin | STH 38 in Oak Creek |
|  | CTHE | West County Line | 73 rd St. in Milwaukee |
|  | CTH PP | USH 41 | Port Washington Rd. |
| (36) ROCK COUNTY: | CTH J | CTH O E of Janesville | STH 11 |
|  | CTH O | USH 51 in Janesville | CTH J E of Janesville |
| (37) RUSK COUNTY: | CTH G | STH 194 in Sheldon | USH 8 in Ladysmith |
|  | CTH I | STH 27 S. of Ladysmith | CTH G at Conrath |
| (38) SHEBOYGAN COUNTY: | CTH PP | STH 67 S . of Plymouth | STH 57 |
|  | CTH RR | STH 57 at Random Lake | IH 43 at Cedar Grove |
| (38m) TREMPEALEAU COUNTY: | CTHR | USH 10 E . of Osseo | N. County Line |
| (38r) WASHINGTON COUNTY: . | CTH Q | CTH J W. of Colgate | Colgate Road in Colgate |
|  | CTH Q | STH 175 in Menomonee Falls | USH 41 in Menomonee Falls |
| (39) WAUKESHA COUNTY: ... | CTH J | CTH VV in Sussex | CTH Q W. of Colgate |
| ......................... | CTH Q | Colgate Road in Colgate | STH 175 in Menomonee Falls |
|  | CTH VV | STH 83 at North Lake | East County Line |
| (40) WINNEBAGO COUNTY: | CTH M | South County Line | STH 44 at Pickett |
| (40m) CITY OF BELOIT: . . . . . . | Broad St. | STH 213 in Beloit | USH 51 in Beloit |
| (41) CITY OF FOND DU LAC: . . | Pioneer Rd. | Johnson Street | Scott Street |
|  | Scott St. | Pioneer Road | Main Street |
| (43) ClTY OF JANESVILLE: . . | Delavan Dr. | USH 51 | East Corporate Limit |
| (44) CITY OF MILWAUKEE: . . . | Silver | 73rd Street | East Corporate Limit |
|  | Spring Dr. |  |  |


|  | Route | From |
| :---: | :---: | :---: |
| (44m) CITY OF RIPON: | Douglas St. | E. Fond du Lac St |
|  | Oshkosh St. | W. Fond du Lac St. |
| (45) CITY OF SU | Main St. | USH 151 |

## To <br> Oshkosh St. <br> Douglas St. <br> STH 19

Trans 276.09 Applicability. (1) The treatment of s. Trans $276.07(11 \mathrm{~m}),(17 \mathrm{~m}),(26 \mathrm{~m})$ and ( 40 m ) applies beginning January 1, 1992, and ending when any one of the following occur:
(a) The department determines, by rule, that the state of Illinois has designated Illinois state trunk highway 26 from the Wisconsin border to U.S. highway 20, north of Freeport, Illinois, as a designated highway for the operation of vehicles and combinations of vehicles the overall length of which cannot be limited.
(b) The department, as a result of the Rock County Transportation Study authorized by 1989 Wis. Act 31, Section 3053 (7e), determines and designates a more feasible alternative route than the route provided under s. Trans 276.07 (11m), ( 17 m ), ( 26 m ) and (40m).
(c) On January 1, 1996.
(2) The treatment of $s$. Trans 276.07 ( 15 m ) applies when the state of Minnesota has designated Minnesota state trunk highway 70/county trunk highway 110 from the Wisconsin border to interstate highway 35 .
(3) The freatment of s . Trans $276.07(5 \mathrm{~m})$ applies after the segment of STH 22 from the Waupaca-Shawano county line to Shawano is reconstructed and all detours are removed in 1996.
Note; Sections Trans $276.07(11 \mathrm{~m}),(17 \mathrm{~m})$, $(26 \mathrm{~m})$ and ( 40 m ) and 276.09 (1) shall expire on December 31, 1995.
Hisiory: Cr. Register, July, 1990 , No. 415 , eff. $8-1$ 1-90; 276.09 renum to (1), cr. (2), Register, May, 1991, No. 425, eff. 6-1-91; r, and recr. (2), Register, July, 1992 No. 439, eff. 8-1-92; cr. (3), Register, January, 1996, No, 481, eff, 2-1-96.

Trans 276.10 Tire load carrying capaclty in excess of 13,000 pounds. (1) Subject to the restrictions and limitations in sub. (2), the weight on the steering axle of a truck tractor may exceed 13,000 pounds if the sum of the maximum load carrying capacities of the tires used on that axle, as certified by the tire manufactuter, allows a greater steering axle load.
(2) (a) The actual weight on the stecring axie of a truck tractor may not exceed the sum of the maximum load carrying capacities of the tires used on that axle and in any event may not exceed 20,000 pounds.
(b) The extra weight privilege allowed by this chapter is available only when the tires used on the steering axle of a truck tractor have the manufacturer's certified load carrying capacity embossed thereon in compliance with applicable federal regulations. If the tires on a steering axle have no certified load carrying capacity embossed on them, the steering axle is restricted to the 13,000 pound load limit prescribed in s. 348.15 (3) (b), Stats.
(c) This chapter does not authorize the operator of a truck tractor to exceed the gross axde weight rating (G.A.W.R.) established by the manufacturer of the steering axle being used.
(d) The tires on the steering axle of a truck tractor exceeding the statutory 13,000 pound weight limit shall have equal load carrying capacity and shall be properly inflated.
History: Emerg. cr. eff. 3-9-78; er. Register, Junc, 1978, No, 270, eff, 7-1-78; rentum. from Hy 36.02, Register, July, 1991, No. 427, eff. 8-1-91.

