

Oversize Loads and Permits

Self-Issuer Information

Commercial Vehicle Services

Anne Ford
Commercial Vehicle Services
Administrator

Jim Wright
Permit Program Manager



Washington State
Department of Transportation

Objectives

- Understand the size and weight laws and regulations as they apply to legal limits
- Understand the laws and rules for oversize and overweight vehicles
- Understand permit requirements and permit types
- Create an accurate WSDOT permit

Definitions

(RCW 46.04)



Single Unit - A Self-propelled vehicle that does not have a trailer. (i.e. crane, concrete pump or a truck without a trailer)



Truck - Single motor vehicle designed to carry freight. This vehicle can carry freight with or without a trailer attached.

Definitions Continued



Tractor - Single motor vehicle designed to pull semi-trailer and supports a significant portion of the semi trailer weight. (Fifth Wheel)

Semi-trailer - Designed to carry load and pulled by tractor. (Shares the weight with the tractor)

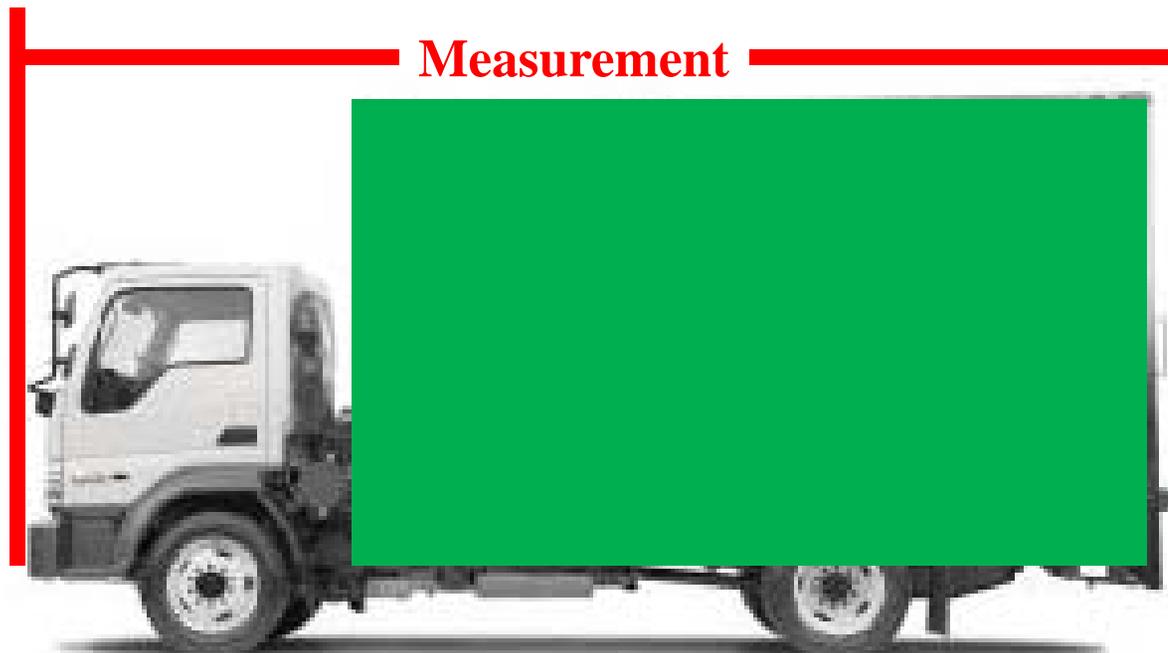


Legal Dimensions

- Height: 14 feet (RCW 46.44.020)
- Width: 8 feet 6 inches (RCW 46.44.010)
- Length: (RCW 46.44.030)
 - Single Unit 40 ft.
 - Semi Trailer 53 ft.
 - Truck/Trailer 75 ft.
 - Double Trailer 61 ft.
 - Rear Overhang 15 ft. from rear axle
 - Front Overhang 3 ft. from front bumper

Single Unit

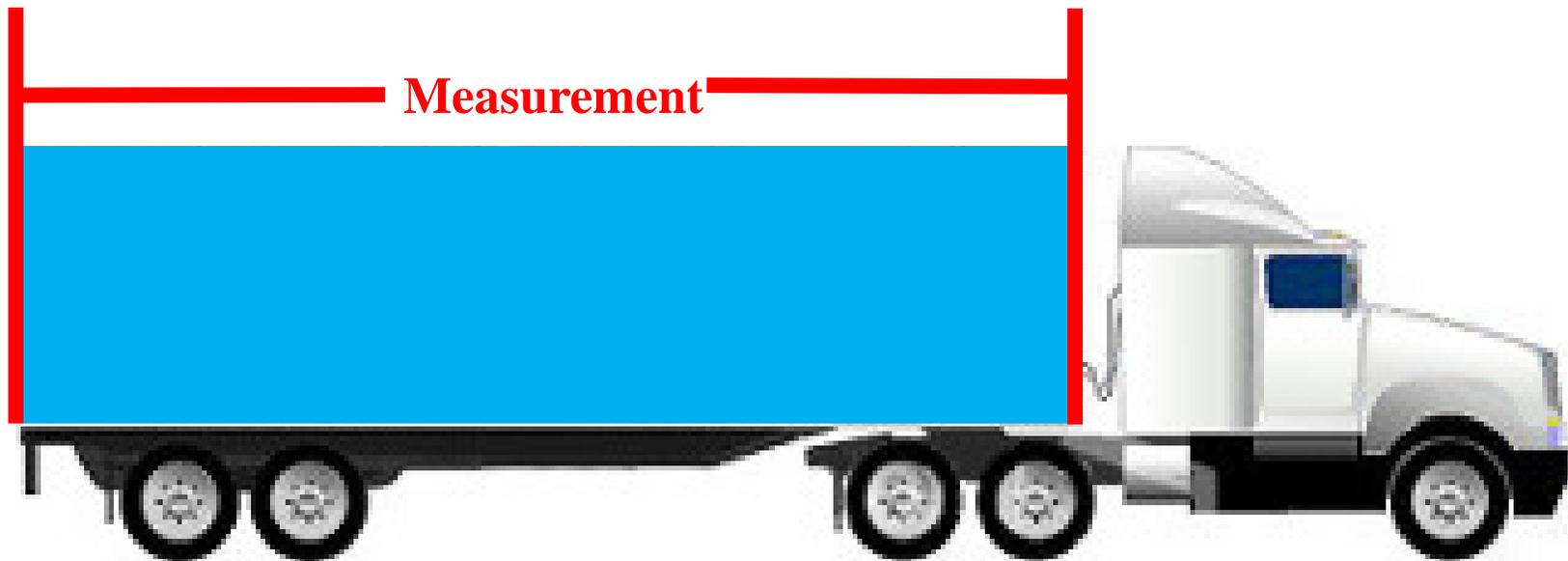
- **Max Legal Length: 40'**
- **Max Permitted Length: 125'**



Single Trailer

(measurement includes **ONLY** trailer/load)

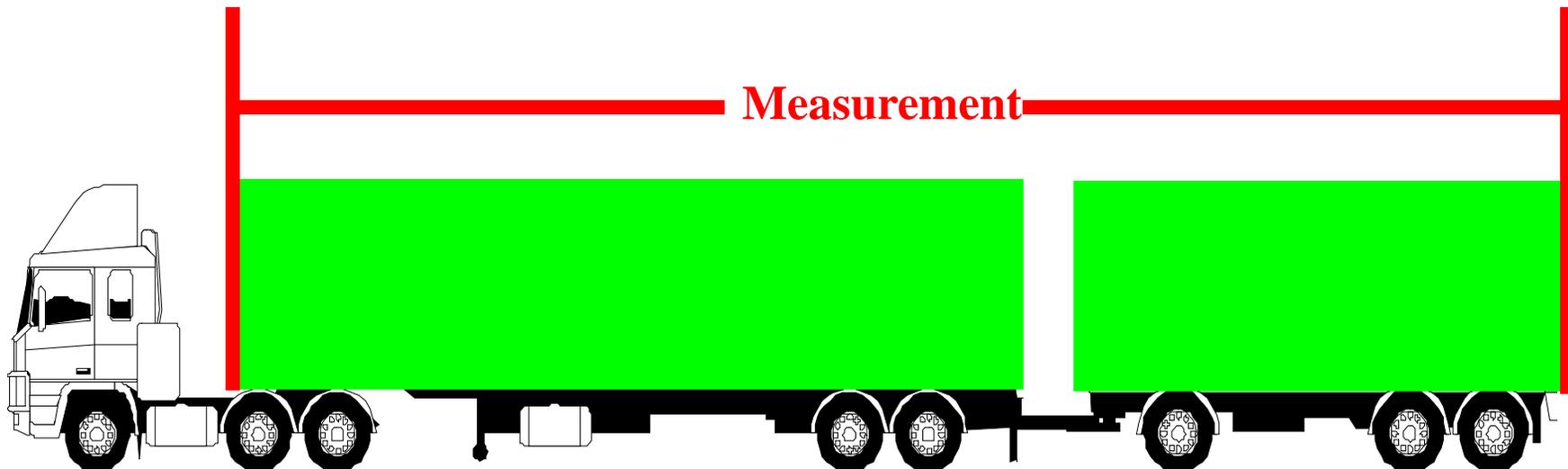
- **Max Legal Length: 53'**
- **Max Permitted Length: 56'**



Double Trailers

(measurement includes BOTH trailers/loads)

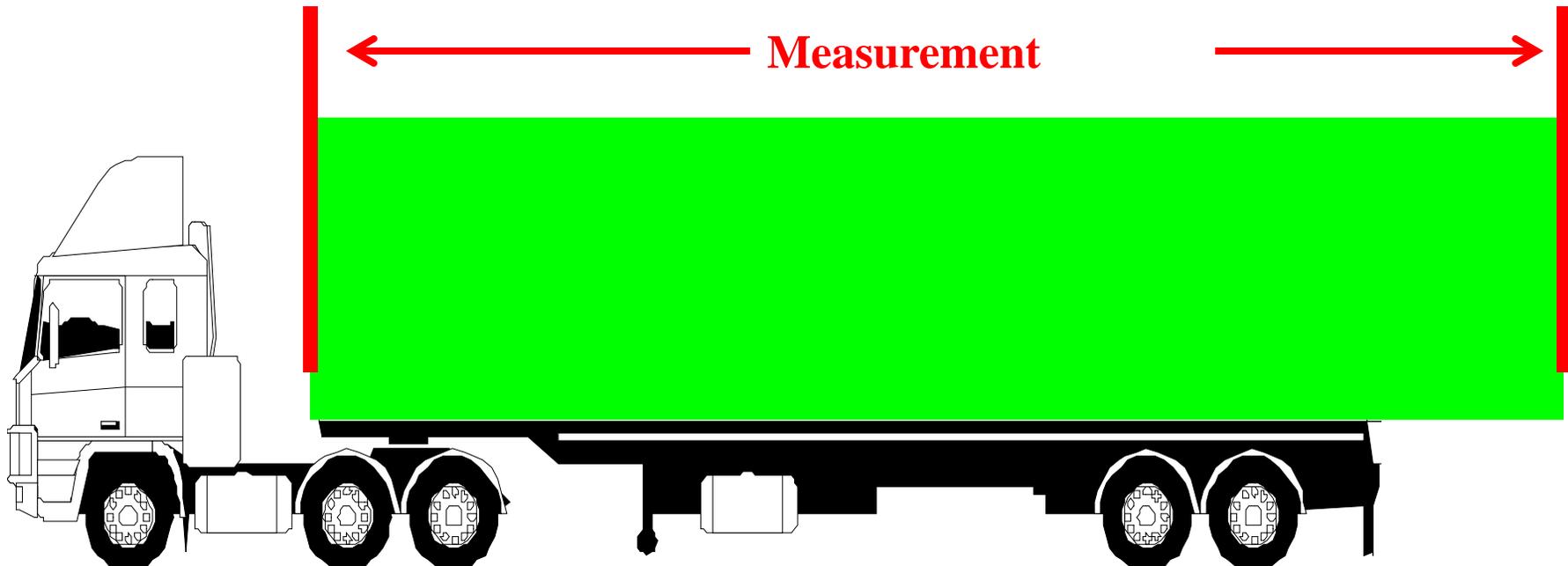
- **Max Legal Length: 61'**
- **Max Permitted Length: 68'**



Tractor/Trailer Length

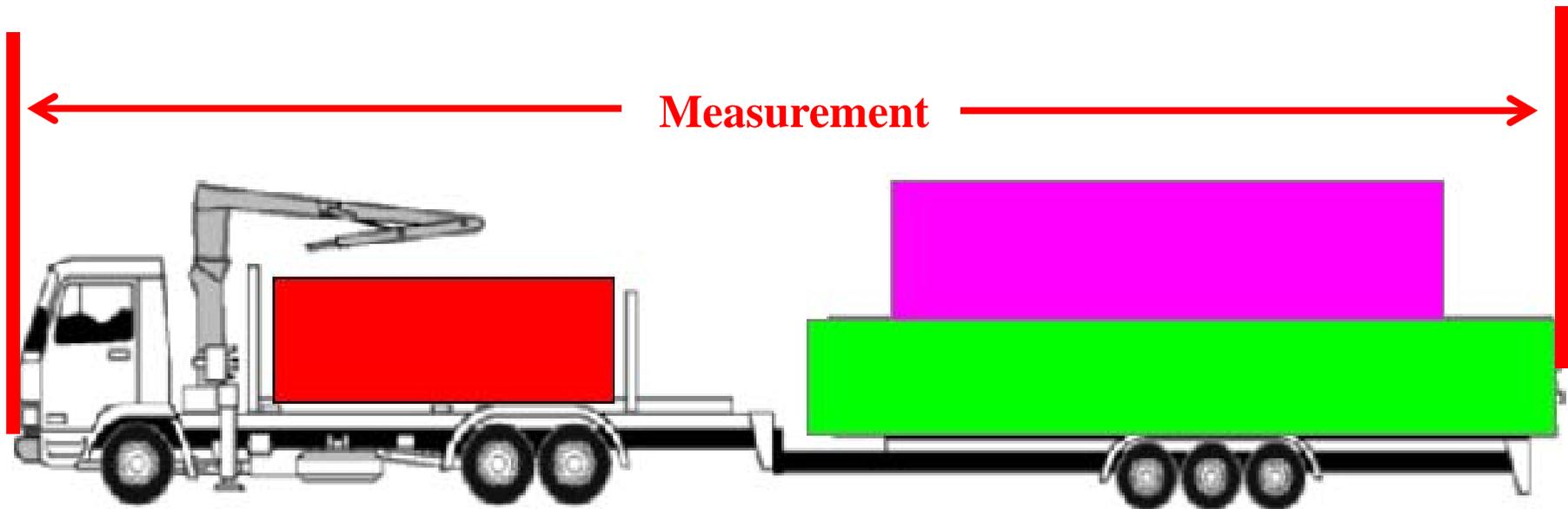
Truck/Trailer Length W/ NO load on truck is now a Tractor/Trailer
(measurement includes ONLY trailer/load)

- **Max Legal Length: 53'**
- **Max Permitted Length: 125'**



Truck/Trailer Length w/ load on truck (measurement includes truck AND trailer)

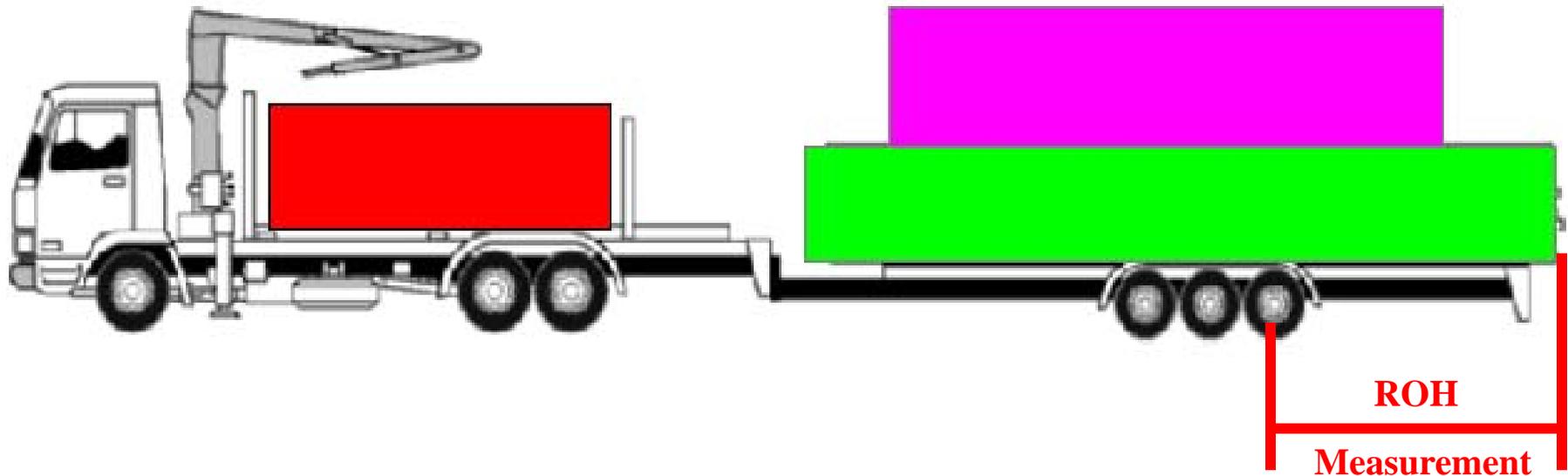
- **Max Legal Length: 75'**
- **Max Permitted Length: 85'**



Rear Overhang (ROH)

(RCW 46.44.034)

MAX LEGAL ROH: 15'



- ROH is measured from the center of the last axle to the end of the load.
- ROH over 15' may be permitted.

Front Overhang (FOH)

(RCW 46.44.034)

MAX LEGAL FOH: 3'



- FOH is measured from the front of the manufacturer's front bumper to the end of the overhanging load.
- FOH over 3' may be permitted.

Legal Weights

Legal Weight (RCW 46.44.041 and 46.44.042)

- Single Axle - 20,000 lbs.
- Tandem Axle - 34,000 lbs.
- Weight by tire size
 - Steer axle 600 lbs. per inch of tire width
 - All other axles are 500 lbs. per inch
- Gross weight is legal up to 105,500 lbs.

Weight Limitations

- Weights cannot exceed:
 - Tire size limit (size as noted on sidewall)
 - 600 lbs. steer axle
 - 500 lbs. other axles
 - Axle limit
 - 20,000 lbs. single
 - 34,000 lbs. tandem
 - Axle group limit (measurement between axle groups)



Legal Weight Table

VEHICLE WEIGHT TABLE (RCW 46.44.041)

| FEET | 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 & 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 | | | | | |
| 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 |

*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 lbs., 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 lbs. each, if the overall distance between the first and last axles of such consecutive sets of tandem axles is 36 feet or more.

| FEET | 4 AXLES | 5 AXLES | 6 AXLES | 7 AXLES | 8 AXLES | 9 AXLES |
|------------|---------|---------|---------|---------|---------|---------|
| 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 | 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 |
| 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 6" Take the Lower, Over 6" Take the Higher (Except Between 8 and 9 Feet)

Temporary Additional Tonnage Permit

(WAC 468.38.030)

- Must have valid licensed tonnage in Washington
 - 40,000 lbs. for a single unit or
 - 80, 000 lbs. for a combination.
- Minimum is 5 days on permit
- Legal weights only
- \$14.00 per ton

Trip Permits

(RCW 46.16A.320)

Permits legal license and tonnage

- up to 40,000 lbs. for a single unit
- up to 80,000 lbs. for a combination unit

Who needs a trip permit?

Any unit that is NOT licensed in Washington State and/or is:

- 2 axles, over 26,000 GVW
 - 3 axles, regardless of weight
-
- For legal weights only
 - Maximum of 3 permits issued in a 30 day period
 - May be used to increase valid tonnage

Fuel Permits

Department of Licensing
(RCW 82-38-075) (WAC 308-77-025)

A Fuel (IFTA) permit is required:

- Upon entering from out of state, if you are not a member of the International Fuel Tax Agreement (IFTA)
- for vehicles with a gross weight of more than 26,000 lbs
- 3 axles or more regardless of weight
- For diesel, propane (RCW-82-38-075) (090) (100)

Temporary fuel permits are valid for 3 days, one every 72-hrs.

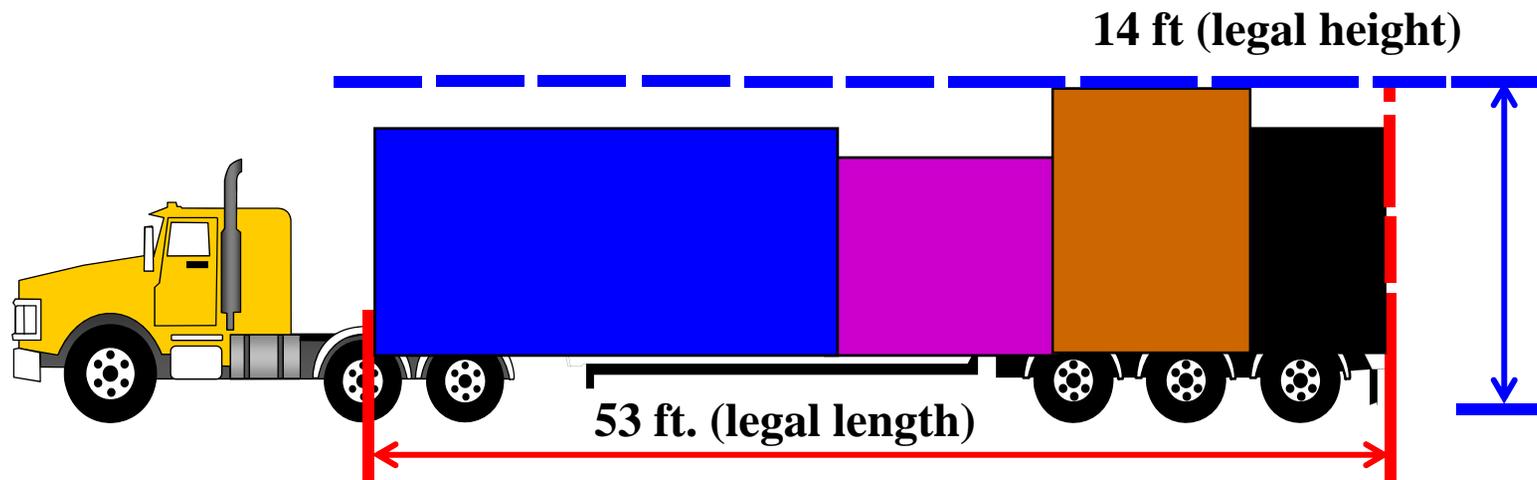
Fuel Tax Division (360)-664-1868

Divisible Loads

(WAC 468.38.050)

A divisible load is a load that **CAN** be reduced in size or weight by removing item(s).

- Multiple pieces (measured as one) cannot exceed **legal** axle weight or **legal** dimensions and: multiple pieces cannot be overweight. Pieces making the load over need to be removed.



Non-Divisible Loads

Cannot be made smaller or lighter



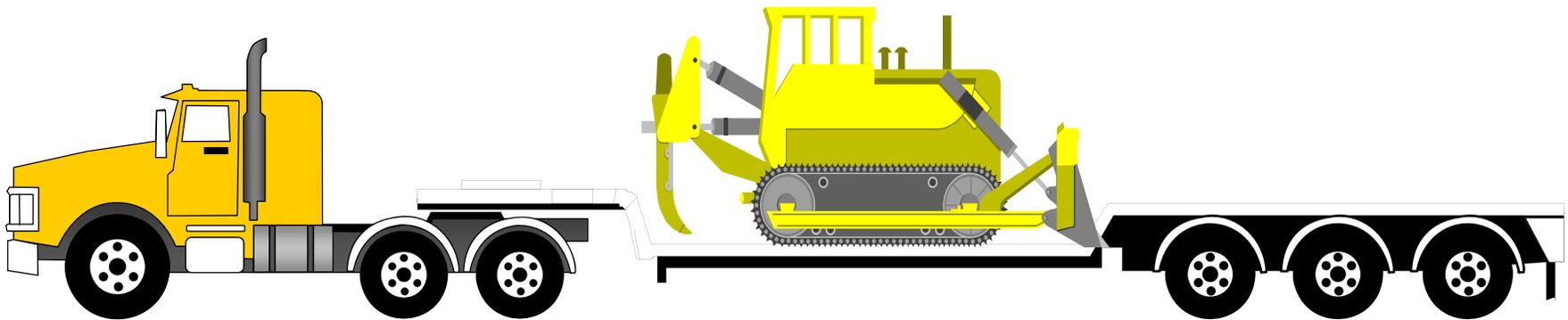
(WAC 468-38-050)

The load must be reduced to practical minimum size and weight unless:

- Intended use of the vehicle or load would be compromised
- Value of the load or vehicle would be destroyed
- Take more than 8 hours to dismantle

Non-Divisible Load Exceptions

(WAC 468-38-050)



Some overweight loads may have a pertinent piece of that load detached and repositioned on the trailer. For example, a dozer may have a blade detached/repositioned. Only one of each attachment is allowed.

Creating an Envelope

(WAC 468-38-070)

Creating an envelope allows a carrier to have multiple pieces, as long as everything fits within the dimensions of the largest piece. The green item is the largest and creates the envelope for the other pieces. This cannot be overweight.



Divisible Oversize Permits

(WAC 468-38-071)

(RCW 46.44.0914)

- Single Trailer - Divisible loads up to 56' length
- Double Trailer – Divisible loads up to 68' length
- Tarping Permit – Divisible loads up to 9' wide; this permit is for vehicles equipped with a tarping system

Non-Divisible Permits

- Non-Divisible – Monthly and Annual

(RCW 46.44.0941)

- Fixed Load – Monthly (RCW 46.44.0941)

- Single Trip Oversize/Overweight

(Tractor/Trailer only) – 3 days

(RCW 46.44.0941)

Oversize / Overweight Tractor Trailer Single Trip Permit

- Route Specific
- Single Trip
- Requires mileposts for all state routes
(<http://www.wsdot.wa.gov/CommercialVehicle/maps>)
For tractor trailer combinations only
- Max dimensions 16' wide, 16' high, and 125' long.



Non-Divisible Load Permit

- Monthly or Annual Permits
- Dimensional Only:
 - 14 ft. wide,
 - 15 ft. high and
 - 125 ft. of length



Fixed Load

(46.44.0941)

- Drill rigs, concrete pumps, cranes
- 30 day permit
- 3 axle to 65,000 lbs. max
- 4 axle to 86,000 lbs. max
- Not to exceed maximum permit weight
- Must have axle spacing report # assigned



Fixed Load Licensing

- Fixed loads:
 - Must be licensed to their max legal weight but not exceed their actual gross weight
 - Using a trip permit in lieu of licensing only licenses to their maximum legal weight or 40,000 lbs.
 - If the fixed load legal weight is above 40,000 lbs., additional tonnage must be purchased to the maximum legal weight prior to obtaining a Fixed Load Permit

Over Height Loads

- Legal height in Washington is 14 feet.
- Carriers are responsible to verify height clearances.
- Pre-running the route prior to movement is required.
- You can verify overhead clearances by viewing the

[WSDOT Bridge List](#)

<http://www.wsdot.wa.gov/Publications/Manuals/M23-09>

Road and Bridge Restrictions

- Updated by CVS and posted on the CVS Website.
- Carriers are required to check restrictions prior to movement.
- On page 2 of Oversize/Overweight Permit.
- Permitting program uses information to validate requested route for a permit for weight, width, and length.

Oversize Load Signs

(WAC 468-38-155)

- Required for any oversize load
- Mounted on front and rear of transport vehicle
- 7 ft. wide and 18 inches high
- Black letters on yellow background



Escort Requirements

(WAC 468-38-100)

Width

Over 11 ft. wide

2 pilots on 2-lane highways

Over 14 ft. wide

1 rear pilot on multi-lane highways

Height

Over 14'6" * 1 front pilot **with a height pole** on all highways.

The pole to be set higher than the load at all times.

Manufactured/mobile homes are authorized up to 15' high before a front pole is required.



Escort Requirements

Length

Over 105 ft. trailer/load length
1 rear pilot on 2-lane highway

Over 125 ft.
1 rear pilot on all highways

Overhangs

Over 20 ft. front overhang
1 front pilot on all highway

Rear overhang - over 20' on a single vehicle
1 rear pilot on 2 lane highways

Rear - Over 1/3 of actual trailer/load length
1 rear pilot on all highways.



Escort Drivers



Escort Car Requirements
WAC 468-38-100

- Must be certified in the State of Washington
- Must have valid card on person while performing escort vehicle duties.
- Certification reciprocity with the States of Colorado, Georgia, Minnesota, North Carolina, Oklahoma, Utah, and Virginia.

Routine Night-time Travel

(WAC 468-38-175)

Limited to:

Width 12 ft.

Height 14 ft. 6 in.

Length 105 ft.

No notation on permit is required when within restrictions

Beyond these limits, a letter must be submitted to CVS for special approval. You can fax your nighttime approval request to CVS during business hours at 360-704-6350. Please include the requested route, dimensions, weight and the reason nighttime travel is needed.

Curfew Hours

WAC 468-38-175

- Metropolitan Areas
 - Seattle
 - Tacoma
 - Olympia
 - Vancouver
 - Kelso
 - Spokane
- Oversize loads except the width in the table
- Some vehicle types are exempt

Commuter Curfew Hours: (Monday through Friday only)

Vehicles operating under a Special Motor Vehicle Permit that are required to display "Oversize Load" signs are restricted from the following areas during the listed times (table). Exception: Vehicles with over dimension in width only and do not exceed the width limits of the table are not subject to curfew hours. Over weight is not a factor in this restriction unless the vehicle cannot maintain the speed of surrounding traffic.

| Vicinity | SR | Direction | Mile Post | Location and Boundaries | Hours (M-F) | Width | |
|-------------------|---------------|---------------|-----------------|---------------------------------|----------------------|--------|-----|
| Seattle - Everett | 2 | EB | 0 - 2.42 | I-5 to SR 204 | 3-7 PM | 9' | |
| | | WB | 2.42 - 0 | | 6-9 AM | 9' | |
| | 5 | NB | 127.48 - 155.94 | SR 512 to SR 599 | 6-9 AM, 3-6 PM | 10' | |
| | | SB | 155.94 - 127.48 | | 3-6 PM | 10' | |
| | | NB | 155.94 - 174.58 | SR 599 to SR 523 | 6-9 AM, 3-6 PM | 9' | |
| | | SB | 174.58 - 155.94 | | 6-9 AM, 3-6 PM | 9' | |
| | | NB | 174.58 - 199.11 | SR 523 to SR 528 | 3-6 PM | 10' | |
| | | SB | 199.11 - 174.58 | | 6-9 AM, 3-6 PM | 10' | |
| | | NB | 199.11 - 206.08 | SR 528 to SR 531 | 4-6 PM | 10' | |
| | | SB | 206.08 - 199.11 | | 7-9 AM, 4-6 PM | 10' | |
| | 18 | EB | .01 - 4.15 | I-5 to SR 164 | 6-9 AM, 3-7 PM | 10' | |
| | | WB | 4.15 - .01 | | 6-9 AM, 3-7 PM | 10' | |
| | | EB | 4.15 - 11.38 | SR 164 to SR 516 | 6:30-8:30 AM, 3-7 PM | 10' | |
| | | WB | 11.38 - 4.15 | | 6-9 AM, 3-7 PM | 10' | |
| | 90 | EB | 2.54 - 9.93 | I-5 to I-405 | 6-9 AM, 3-7 PM | 10' | |
| | | WB | 9.93 - 2.54 | | 6-9 AM, 3-7 PM | 10' | |
| | | EB | 9.93 - 18.36 | I-405 to Sunset I/C | 3-7 PM | 10' | |
| | | WB | 18.36 - 9.93 | | 6-9 AM, 3-7 PM | 10' | |
| | 167 | NB | 5.98 - 14.33 | SR 512 to SR 18 | 6-9 AM | 10' | |
| | | SB | 14.33 - 5.98 | | 3-7 PM | 10' | |
| NB | | 14.33 - 26.29 | SR 18 to I-405 | 6-9 AM, 3-7 PM | 10' | | |
| SB | | 26.29 - 14.33 | | 3-7 PM | 10' | | |
| 405 | NB | 0 - 30.32 | Entire Route | 6-9 AM, 3-7 PM | 10' | | |
| | SB | 30.32 - 0 | | 6-9 AM, 3-7 PM | 10' | | |
| 518 | EB | 0 - 3.81 | SR 509 to I-5 | 6-9 AM, 3-7 PM | 10' | | |
| | WB | 3.81 - 0 | | 6-9 AM, 3-7 PM | 10' | | |
| 522 | EB | 11.10 - 14.09 | I-405 to SR 9 | 3-7 PM | 10' | | |
| | WB | 14.09 - 11.10 | | 6-9 AM | 10' | | |
| Tacoma | 5 | NB | 118 - 127.48 | Exit 118 to SR 512 | 6:30-8:30 AM, 4-6 PM | 10' | |
| | | SB | 127.48 - 118 | | 6:30-8:30 AM, 4-6 PM | 10' | |
| | 16 | EB | 10.28 - 0 | I-5 to Olympic Drive | 6-9 AM | 10' | |
| | | WB | 0 - 10.28 | | 3-7 PM | 10' | |
| | 512 | EB | 0 - 8.74 | I-5 to SR 161 | 3-7 PM | 10' | |
| | | WB | 8.74 - 0 | | 7-9 AM, 3-7 PM | 10' | |
| | | EB | 8.74 - 12.06 | SR 161 to SR 167 | 3-7 PM | 10' | |
| | | WB | 12.06 - 8.74 | | 3-7 PM | 10' | |
| | Olympia | 5 | NB | 99 - 109 | Exit 99 to Exit 109 | 4-6 PM | 10' |
| | | SB | 109 - 99 | | 4-6 PM | 10' | |
| Vancouver | 5 | NB | 0 - 7.48 | Oregon to I-205 | 3-6 PM | 10' | |
| | | SB | 7.48 - 0 | | 6-9 AM | 10' | |
| | 205 | NB | 26.59 - 37.16 | Oregon to I-5 | 4-7 PM | 10' | |
| SB | 37.16 - 26.59 | I-5 to Oregon | 6-9 AM | 10' | | | |
| Kelso | 433 | NB | .94 - 0 | Lewis and Clark Bridge | 6-9 AM | 10' | |
| | | SB | 0 - .94 | | 6-9 AM | 10' | |
| Spokane | 90 | EB | 272.66 - 295.73 | Medical Lk. to Liberty Lk. Exit | 6-9 AM, 3-7 PM | 11'2" | |
| | | WB | 296.64 - 272.96 | Liberty Lk. to Medical Lk. Exit | 6-9 AM, 3-7 PM | 11'2" | |

Exemptions

WAC 468-38-075

Some permits do not require to display oversize load signs.

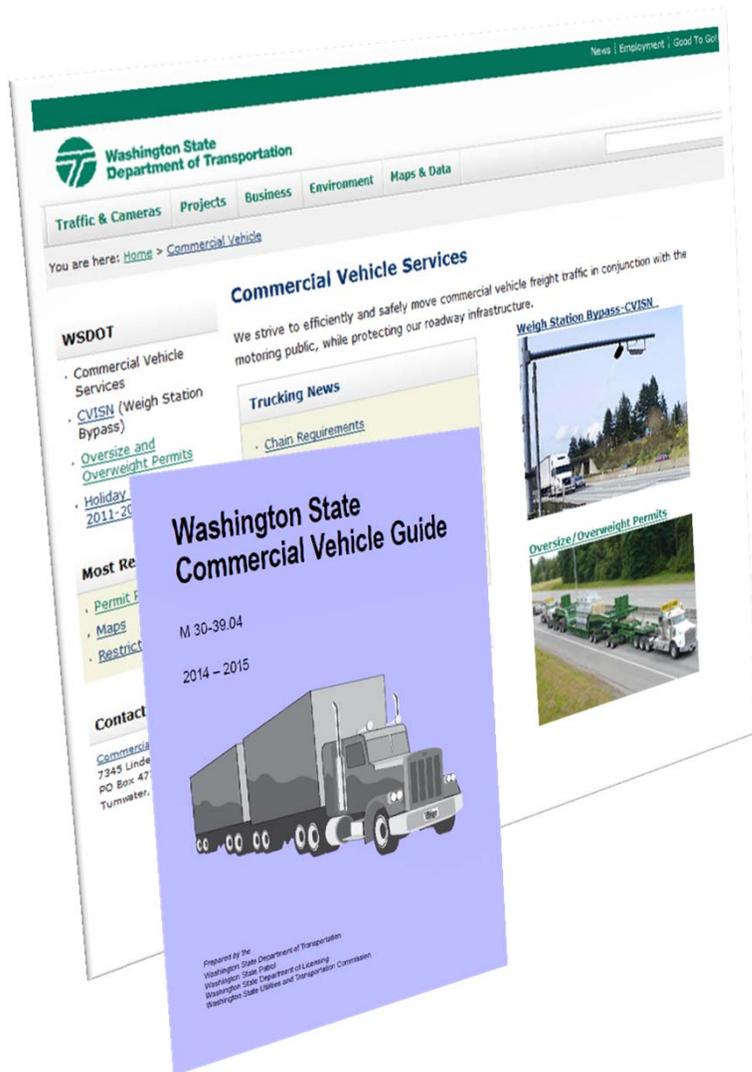
- 56' Single Trailer Permit
- 68' Double Trailer Permit
- Non-Divisible Loads that are only over length and don't exceed 61 ft. in length
- Loads with only front overhang of 7 ft. or less
- "Weight Only" Loads

Loads not required to display signs are also exempt from:

- Mountain pass closures to oversize loads
- Curfew hours
- Holiday restrictions.



Resources



Permit Program Login

<https://secure3.wsdot.wa.gov/commercialvehicle/permits/public/login>

Permit Offices

<http://wsdot.wa.gov/CommercialVehicle/permittingoffices>

Axle Spacing Report

<https://secure3.wsdot.wa.gov/commercialvehicle/permits/public/AxleSpacingReport>

Find these resources at:

<http://www.wsdot.wa.gov/CommercialVehicle/permitting>

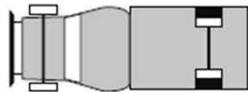
Mountain Passes

- Chain Law: November 1st – April 1st
- Oversize Loads Prohibited / Signage
 - Some exempt vehicles per WAC 468.38.075



WHEN SIGNS MARKED "VEHICLES OVER 10,000 GVWR" OR "ALL VEHICLES - CHAINS REQUIRED (EXCEPT ALL-WHEEL DRIVE)" ARE POSTED, ALL VEHICLES OVER 10,000 LBS. GVWR MUST HAVE TIRE CHAINS MOUNTED ON THE TIRES AS REQUIRED.

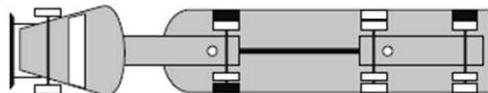
TWO TO FOUR AXLES



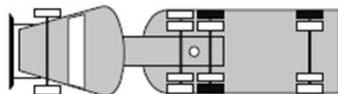
One tire on each side of the drive axle.



Either drive axle, one tire on each side, same axle.



One tire on each side of the drive axle and one tire on either side of the trailer. This includes auto transporters with single drive axles.



Either drive axle, one tire on each side of the same axle and one tire on either side of the trailer.

FIVE AXLES



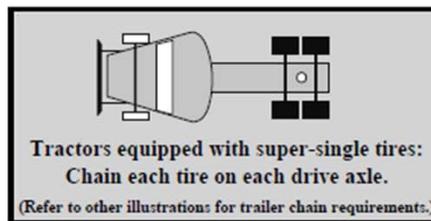
All tires on one drive axle and one tire on either side of last trailer axle.



All tires on the drive axle and one tire on either side of the last axle of the last trailer.



All tires on one drive axle or one tire on each side of both drive axles. One tire on either side of either trailer axle. This includes Automobile Transporters.



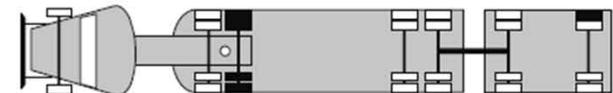
SIX OR MORE AXLES



All tires on the drive axle and one tire on either side of the last axle of the last trailer.



All tires on one drive axle and one tire on either side of the last two axles.



All tires on one drive axle and one tire on either side of the last axle of the last trailer.



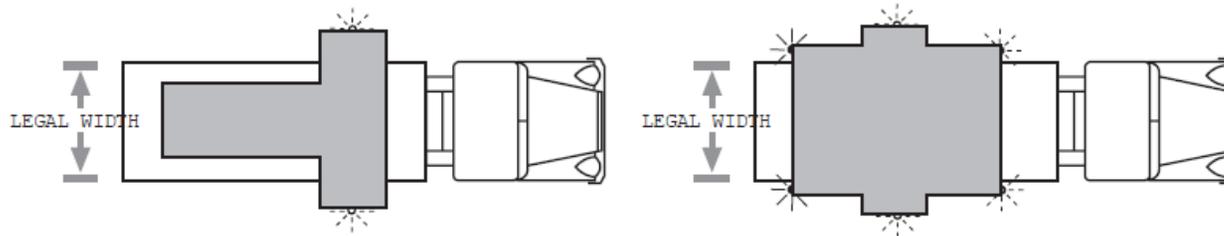
Only on six or more axle combinations when posted "ALL VEHICLES CHAINS REQUIRED" one additional tire on each side of the drive axle shall be chained.

WINTER ROAD INFORMATION: DEPARTMENT OF TRANSPORTATION online at <http://WWW.WSDOT.WA.GOV> for traffic cameras and mountain pass report information.

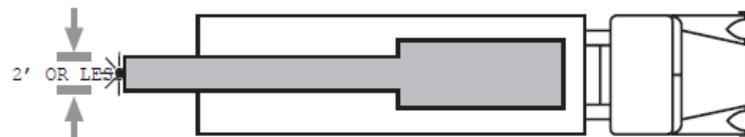
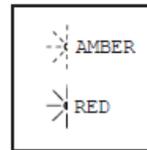
Or in state dial 511 or from out of state 1-800-695-7623. WASHINGTON STATE PATROL online at <http://WWW.WSP.WA.GOV>.

Lighting Requirements

Federal Regulations CFR 393.11



Examples for Warning Lights On Overwidth Loads



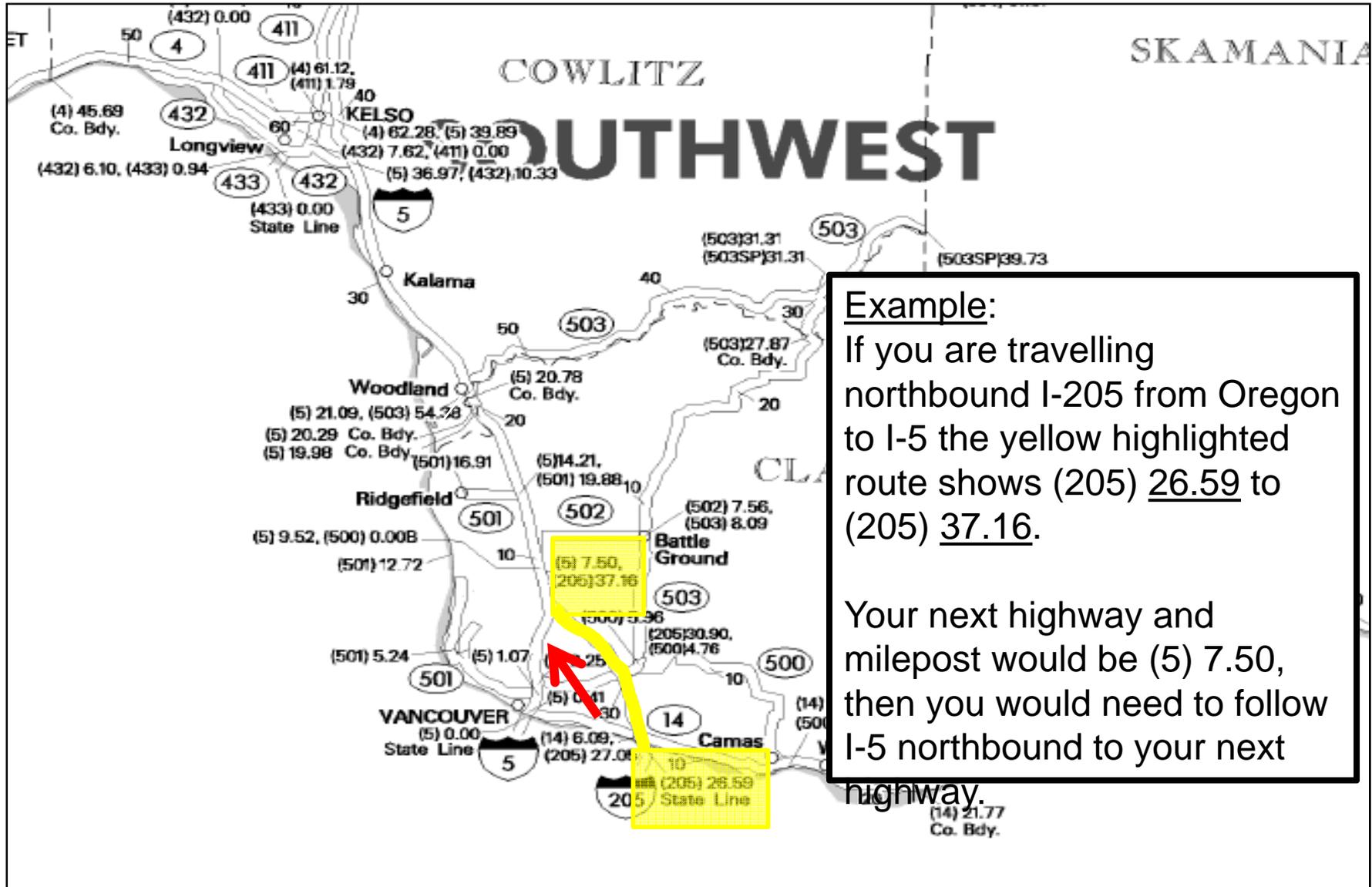
Washington State Milepost Map

- You will need a beginning and ending milepost on all state highways used.
- The highways are shown on the Milepost Map in parenthesis example: (205) 26.59, this is I-205 at the Oregon/Washington border at milepost 26.59 (see next slide on how to identify these mileposts)
- Account for county/city road mileage by using “co” as the highway, and total distance traveled on those local roads. Example “co” beginning milepost 0.00 end milepost 10.00. Indicating ten miles traveled on local roads.
- You must have approval by local jurisdiction to travel on their roads.

Local offices can be found:

http://www.wsdot.wa.gov/CommercialVehicle/county_permits.htm

Washington State Mile Post Map



Axle Spacing Calculator

- Helpful tool for knowing the weight limitations of a vehicle combination or single unit.
- An axle spacing report number is required for each overweight permit
- The report number will be assigned to the configuration

The distance between each axle

How many tires per axle

Tire size of all two-tire axles

Axle Spacing Report

Axle Spacing Report No. [Look Up](#) [Calculate](#) [Search](#) [Clear](#) [Save](#) [Help](#) [Print](#)

To calculate permitted weight, enter axle spacing, tires per axle and tire sizes and click Calculate and then Save.

For tire width entry:
For a standard tire size such as 11R 22.5 just use the "11"
For a metric tire size such as 265/70 R15 just use the "265"

This is Not a Permit

Use Feet-Inches vs. Decimal Feet

| Axle No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | |
|-----------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|
| Axle Spacing Ft-In | <input type="text"/> | |
| Tires per Axle | Cnt <input type="text"/> | |
| Tire Width (in. or mm) | <input type="text"/> | |
| Steer Axle | <input type="checkbox"/> | |
| Drop Axle | <input type="checkbox"/> | |
| Permitted Weight (* see Remarks) | <input type="text"/> | |
| Total Permitted | <input type="text"/> | | Legal Weight | | <input type="text"/> | | | | | | More Axles Less Axles |

Indicate if there are any drop axles and if it is a self steering drop axle

Axle Spacing Report

Axle Spacing Report No. [Look Up](#) [Calculate](#) [Search](#) [Clear](#) [Save](#) [Help](#) [Print](#)

To calculate permitted weight, enter axle spacing, tires per axle and tire sizes and click Calculate and then Save.

For tire width entry:
For a standard tire size such as 11R 22.5 just use the "11"
For a metric tire size such as 265/70 R15 just use the "265"

This is Not a Permit

| <input checked="" type="checkbox"/> Use Feet-Inches vs. Decimal Feet | | | | | | | | | | | |
|--|------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--|
| Axle No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | |
| Axle Spacing Ft -In | 13-6 | 4-6 | 33-6 | 4-6 | 4-6 | | | | | | |
| Tires per Axle | 2 | 4 | 4 | 4 | 4 | 4 | Cnt | Cnt | Cnt | Cnt | |
| Tire Width (in. or mm) | 11 | | | | | | | | | | |
| Steer Axle | | <input type="checkbox"/> | |
| Drop Axle | | <input type="checkbox"/> | |
| Permitted Weight (* see Remarks) | | | | | | | | | | | |

Dashes indicate feet and inches

- When inputting tire size, do not use alpha characters.
- The first number indicates tire width
- An 11R 22.5 tire should be listed as, "11"

Axle Spacing Report - Details

Axle Spacing Report

Axle Spacing Report No. [Look Up](#) [Calculate](#) [Search](#) [Clear](#) [Save](#) [Help](#) [Print](#)



Axle Spacing Report 62474 was successfully saved.

This is Not a Permit

| <input checked="" type="checkbox"/> Use Feet-Inches vs. Decimal Feet | | | | | | | | | | |
|--|--------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Axle No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Axle Spacing Ft - In | 13-6 | 4-6 | 33-6 | 4-6 | 4-6 | | | | | |
| Tires per Axle | 2 | 4 | 4 | 4 | 4 | 4 | Cnt | Cnt | Cnt | Cnt |
| Tire Width (in. or mm) | 11 | | | | | | | | | |
| Steer Axle | | <input type="checkbox"/> |
| Drop Axle | | <input type="checkbox"/> |
| Permitted Weight (* see Remarks) | 13,200 | 22,000 | 22,000 | 22,000 | 22,000 | 22,000 | | | | |

Total Permitted Legal Weight

[More Axles](#) [Less Axles](#)

Axle Restriction and Remarks for Permitted Weights

Axles separated by less than 7 ft. Not to Exceed 43,000 lbs.
Tridem axles 4-6 Not to Exceed 58,500 lbs.

[Show Detail](#)

Last modified on 2/29/2008

Axle Spacing Report - Details

- The detail will show both permit weight and legal weight.
- The program will show the max allowed per single axle, group axles, and gross axles.

[Hide Detail](#)

Number of Axles: 6
 Length: 60.50 ft.
 Total Permitted: 114,700 lbs. = 1 (13200) + 2-3 (43000) + 4-6 (58500)
 Legal Allowed: 89,700 lbs. = 1 (13200) + 2-3 (34000) + 4-6 (42500)

| Axle(s) | Span (ft.) | Permitted Weight lbs. |
|---------|------------|---|
| 1 | | 13,200 |
| 1-2 | 13.50 | 35,200 = 1 (13200) + 2 (22000) |
| 1-3 | 18.00 | 56,200 = 1 (13200) + 2-3 (43000) |
| 1-4 | 51.50 | 78,200 = 1 (13200) + 2-3 (43000) + 4 (22000) |
| 1-5 | 56.00 | 99,200 = 1 (13200) + 2-3 (43000) + 4-5 (43000) |
| 1-6 | 60.50 | 114,700 = 1 (13200) + 2-3 (43000) + 4-6 (58500) |
| 2 | | 22,000 |
| 2-3 | 4.50 | 43,000 |
| 2-4 | 38.00 | 65,000 = 2-3 (43000) + 4 (22000) |
| 2-5 | 42.50 | 86,000 = 2-3 (43000) + 4-5 (43000) |
| 2-6 | 47.00 | 101,500 = 2-3 (43000) + 4-6 (58500) |
| 3 | | 22,000 |
| 3-4 | 33.50 | 44,000 = 3 (22000) + 4 (22000) |
| 3-5 | 38.00 | 65,000 = 3 (22000) + 4-5 (43000) |
| 3-6 | 42.50 | 80,500 = 3 (22000) + 4-6 (58500) |
| 4 | | 22,000 |
| 4-5 | 4.50 | 43,000 |
| 4-6 | 9.00 | 58,500 |
| 5 | | 22,000 |
| 5-6 | 4.50 | 43,000 |
| 6 | | 22,000 |

| Axle(s) | Span (ft.) | Legal Weight lbs. |
|---------|------------|--|
| 1 | | 13,200 |
| 1-2 | 13.50 | 33,200 = 1 (13200) + 2 (20000) |
| 1-3 | 18.00 | 47,200 = 1 (13200) + 2-3 (34000) |
| 1-4 | 51.50 | 67,200 = 1 (13200) + 2-3 (34000) + 4 (20000) |
| 1-5 | 56.00 | 81,200 = 1 (13200) + 2-3 (34000) + 4-5 (34000) |
| 1-6 | 60.50 | 89,700 = 1 (13200) + 2-3 (34000) + 4-6 (42500) |
| 2 | | 20,000 |
| 2-3 | 4.50 | 34,000 |
| 2-4 | 38.00 | 54,000 = 2-3 (34000) + 4 (20000) |
| 2-5 | 42.50 | 68,000 = 2-3 (34000) + 4-5 (34000) |
| 2-6 | 47.00 | 76,500 = 2-3 (34000) + 4-6 (42500) |
| 3 | | 20,000 |
| 3-4 | 33.50 | 40,000 = 3 (20000) + 4 (20000) |
| 3-5 | 38.00 | 54,000 = 3 (20000) + 4-5 (34000) |
| 3-6 | 42.50 | 62,500 = 3 (20000) + 4-6 (42500) |
| 4 | | 20,000 |
| 4-5 | 4.50 | 34,000 |
| 4-6 | 9.00 | 42,500 |
| 5 | | 20,000 |
| 5-6 | 4.50 | 34,000 |

WSDOT Contacts / Access to Tools

- **WSDOT Commercial Vehicle Services**
 - Technicians 360-704-6340
 - Permit Program Manager 360-704-6345
 - Fax number 360-704-6391
 - Email CVSpermits@wsdot.wa.gov

CVS website

www.wsdot.wa.gov/commercialvehicle

