

Oversize Loads and Permits

Commercial Vehicle Services

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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.

Vehicle Types

(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)

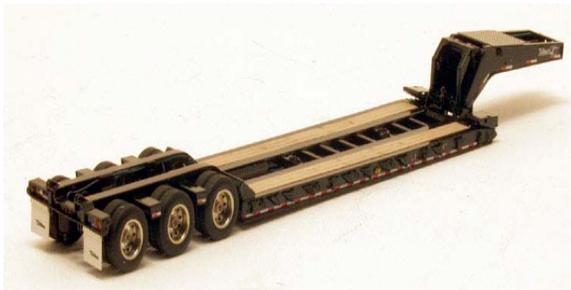


Truck - Single motor vehicle designed to carry freight. This vehicle can carry freight with or without a trailer attached.

Vehicle Types



- **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

Legal Dimensions-

Single Unit 40 ft. length



40'

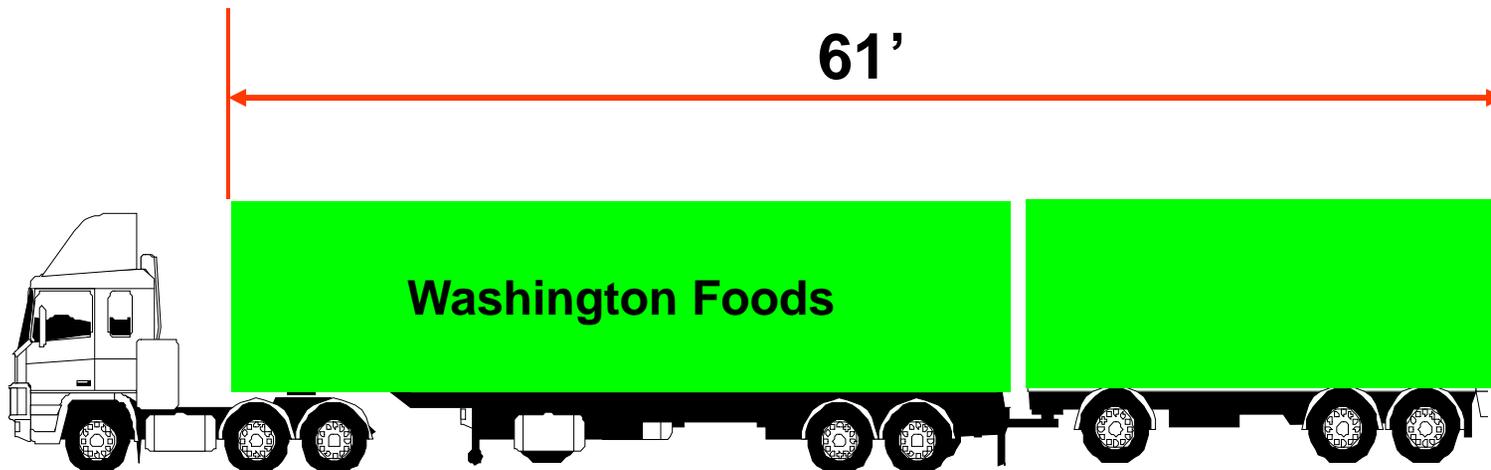
Legal Dimensions

Single Trailer 53 ft

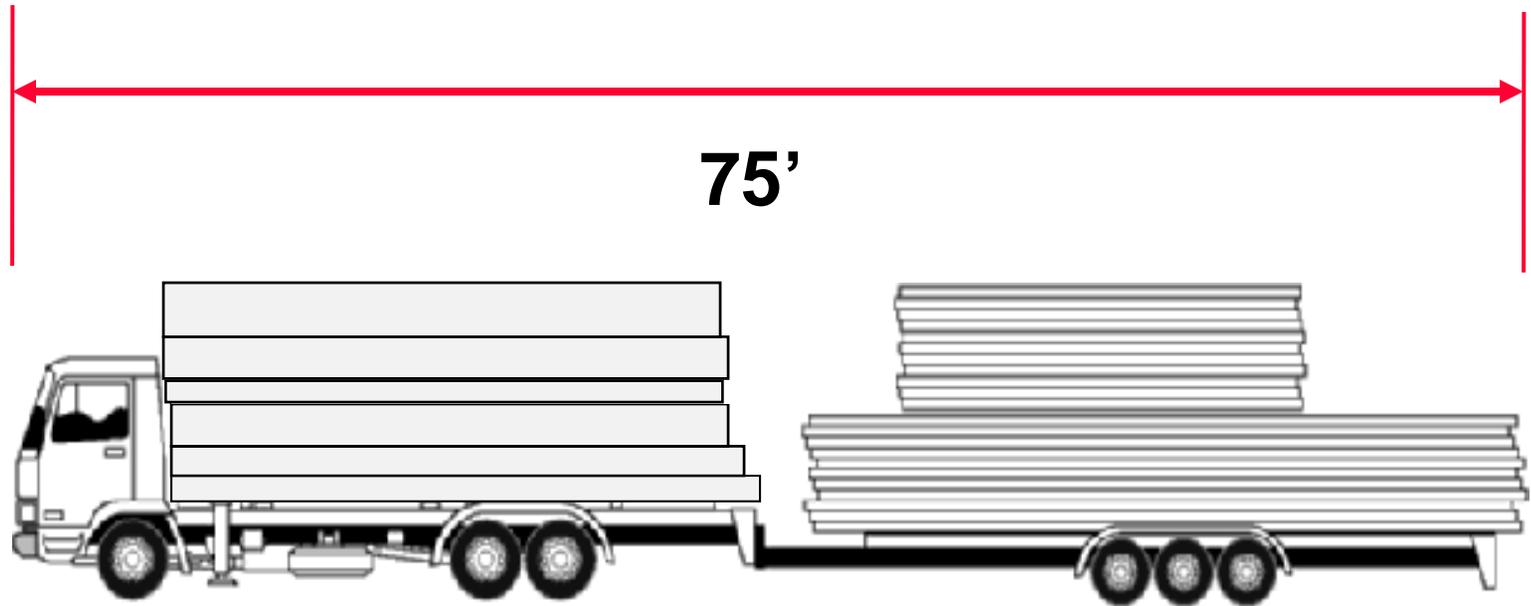


Legal Dimensions

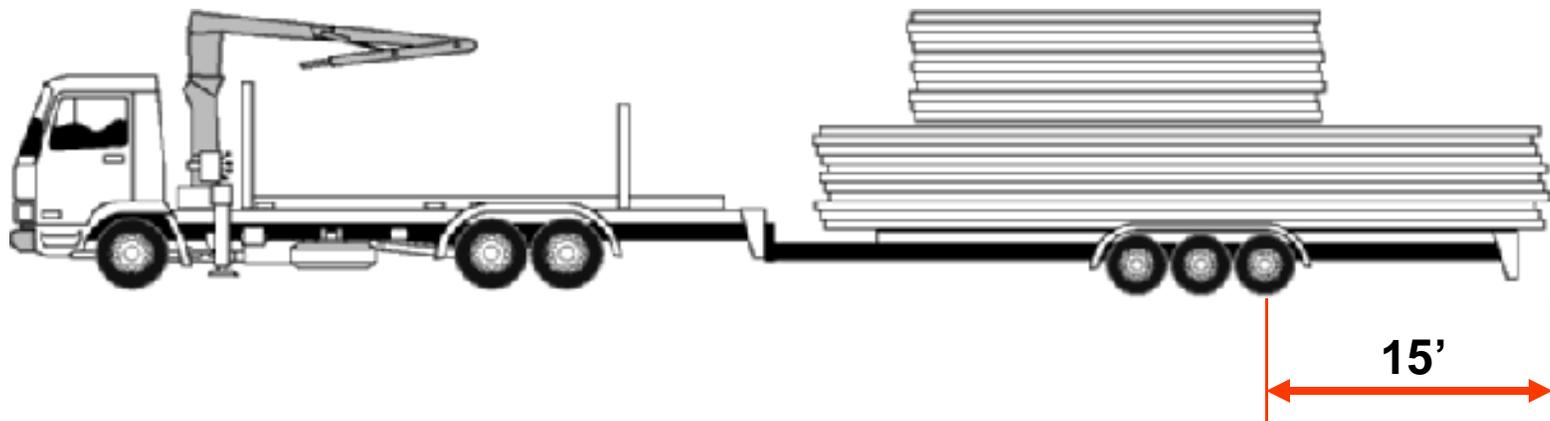
Double Trailers 61ft



Truck/Trailer Length



Legal Overhang-Rear



**15 ft. measured from center of last axle
(RCW 46.44.034)**

Legal Overhang-Front



**Measured 3 ft. from manufacture's front bumper
(RCW 46.44.034)**

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)

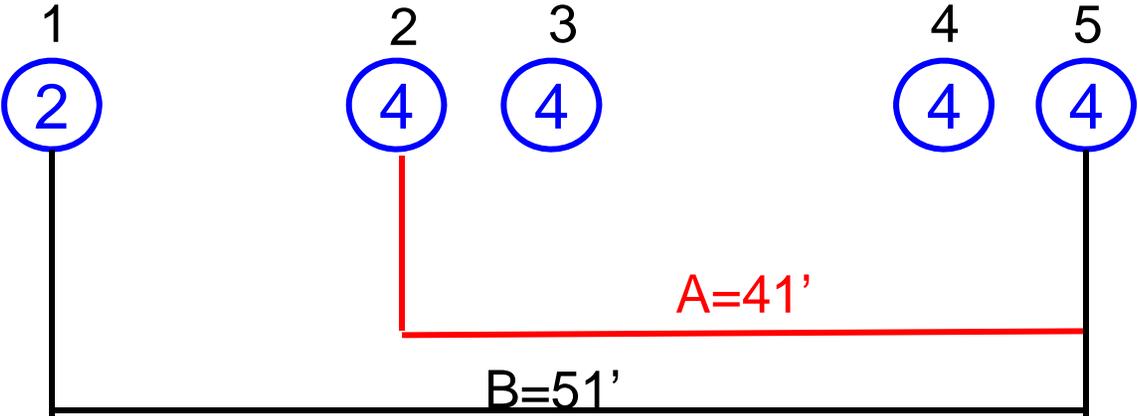
FEET	2 AXLES	3 AXLES	4 AXLES	5 AXLES	6 AXLES	7 AXLES	8 AXLES	9 AXLES
4	34,000							
5	34,000							
6	34,000							
7	34,000							
8 & Less	34,000	34,000						
Over 8	38,000	42,000						
9	39,000	42,500						
10	40,000	43,500						
11		44,000						
12		45,000	50,000					
13		45,500	50,500					
14		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)

Bridge Formula



Per Axle:

Axle 1	13,200
Axle 2-3	34,000
Axle 4-5	<u>34,000</u>
Total	81,200

Per Axle GROUP B (OVERALL):

Axle 1-5	<u>80,000</u>
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Per Axle GROUP A:

Axle 1	13,200
Axle 2-5	<u>69,500</u>
Total	82,700

Per Axle GROUP 3 (OVERALL):

Axle 1-5	<u>80,000</u>
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Tire size assumed to be 11:00

GVW is restricted to the lesser of the combined axle group totals

Exercise

- Get your legal weight exercise information ready.
- You will need:
 - Axle Weight Table
 - Steer Tire Chart
 - Legal Weight Information Sheet
 - Legal Weight Exercise Diagrams

Temporary Additional Tonnage

(WAC 468.38.030)

- Must have valid licensed tonnage
 - 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

Trip Permits

(RCW 46.16A.320)

- Legal license and tonnage up to 40,000 lbs. for a single unit - Combination units 80,000 lbs.
- 2 axle over 26, 000 GVW
- 3 axle regardless of weight
- For legal weights only
- Maximum of 3 permits 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)

- In lieu of a special fuel license -- IFTA
- Upon entering from out of state
- Required 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)
- Valid for 3 days, one every 72-hrs.
- Fuel Tax Division (360)-664-1868

Log Tolerance

(RCW 46.44.047)



- For trucks that haul short logs
- Do not use legal weight chart
- Total distance at least 37 feet from center of steering axle to center of last axle
- Total gross weight 74,800 lbs.
- Maximum of 33,600 lbs. on tandem axles
- 3 axle truck with 2 axle pole trailer only

Divisible vs. Non-Divisible



Divisible Loads

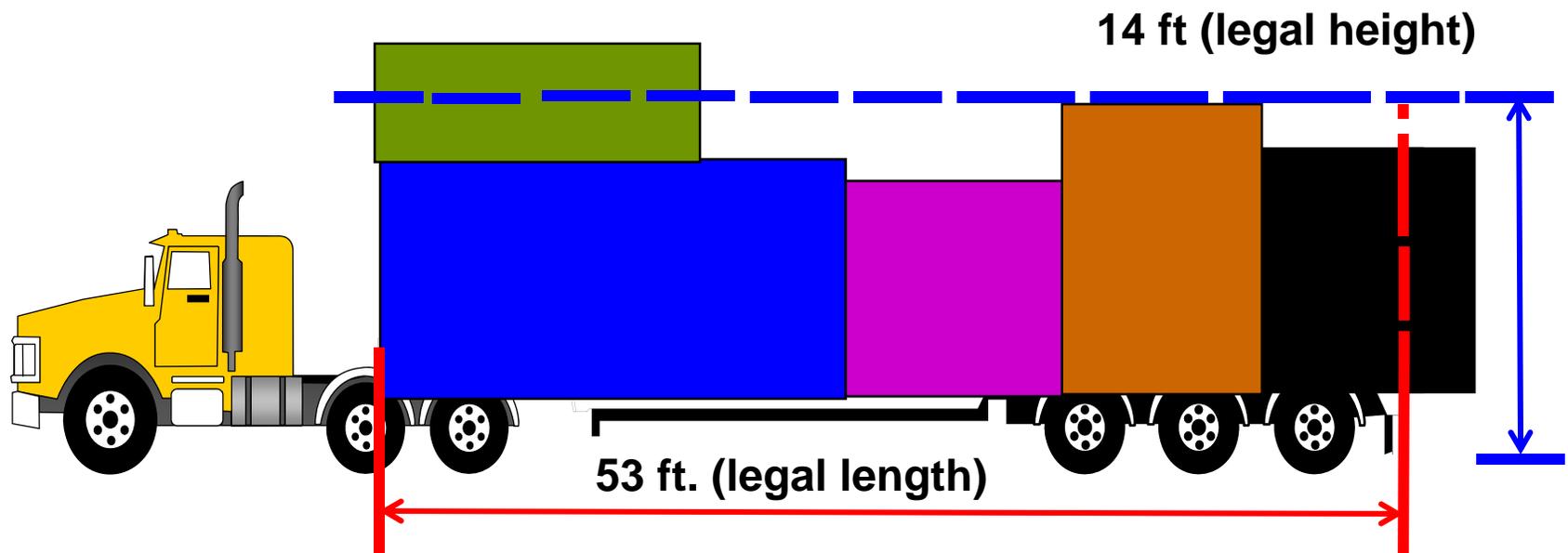
(WAC 468.38.050)

- Load can be reduced in size or weight by removing item(s)
- Multiple pieces cannot exceed legal axle weight or legal dimensions.
- Multiple pieces cannot be overweight.



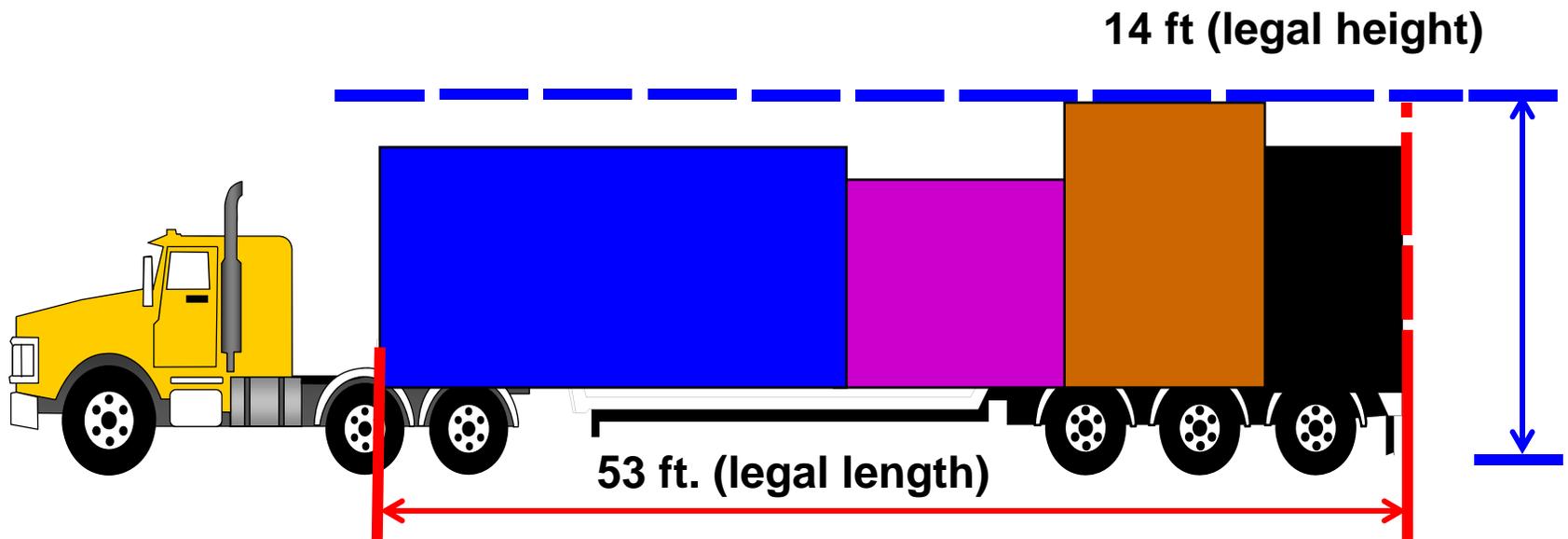
Divisible Loads

- Multiple pieces must not be placed in a way that creates an over legal dimension



Divisible Loads

Some pieces may need to be removed to make the load legal.



Divisible Loads

- Ocean Going Containers
 - Considered divisible loads when loaded
 - Empty over height container authorized
 - Container is at that time the “item”
 - If oversize it is similar to creating a larger trailer to carry more freight

Divisible Loads



Non-Divisible Loads

(Cannot be made smaller or lighter)



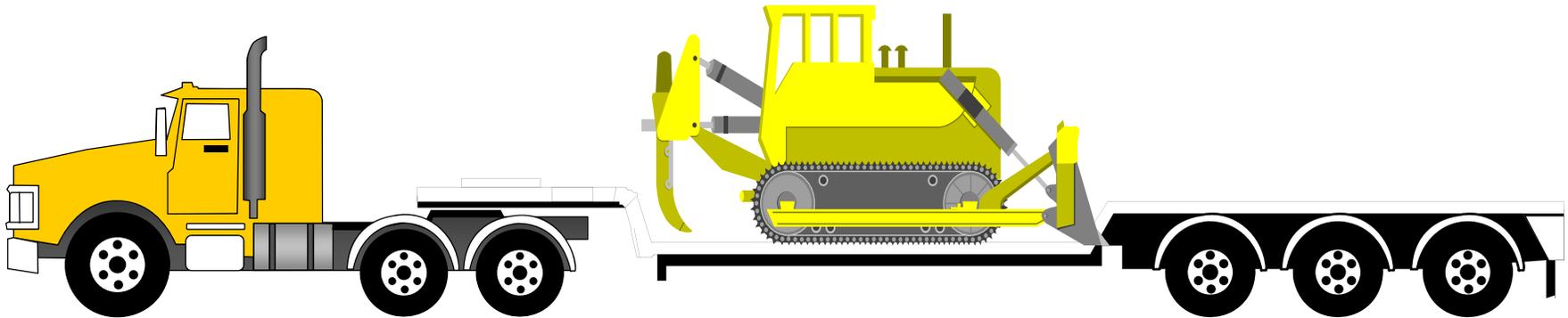
(WAC 468-38-050)

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

(WAC 468-38-050)



Exceptions: (overweight equipment)

- Dozers may have blade detached and sitting on trailer. No multiple blades. Loaders may have bucket detached as long as it is a pertinent piece for that equipment. No multiple buckets.

Non-Divisible Loads



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.





OVERSIZE LOAD

Shadow
LINES

9105-20V

Shadow
LINES



Divisible Oversize Permits

(WAC 468-38-071)

(RCW 46.44.0914)

- Single Trailer - Divisible up to 56'
- Double Trailer – For divisible loads to 68'
- Hay Bales – Up to 15 ft. high for rancher's own hay to rancher's own livestock
- Empty Apple Bins - Up to 15 ft.
- Collection Trucks – 2 and 3 axle

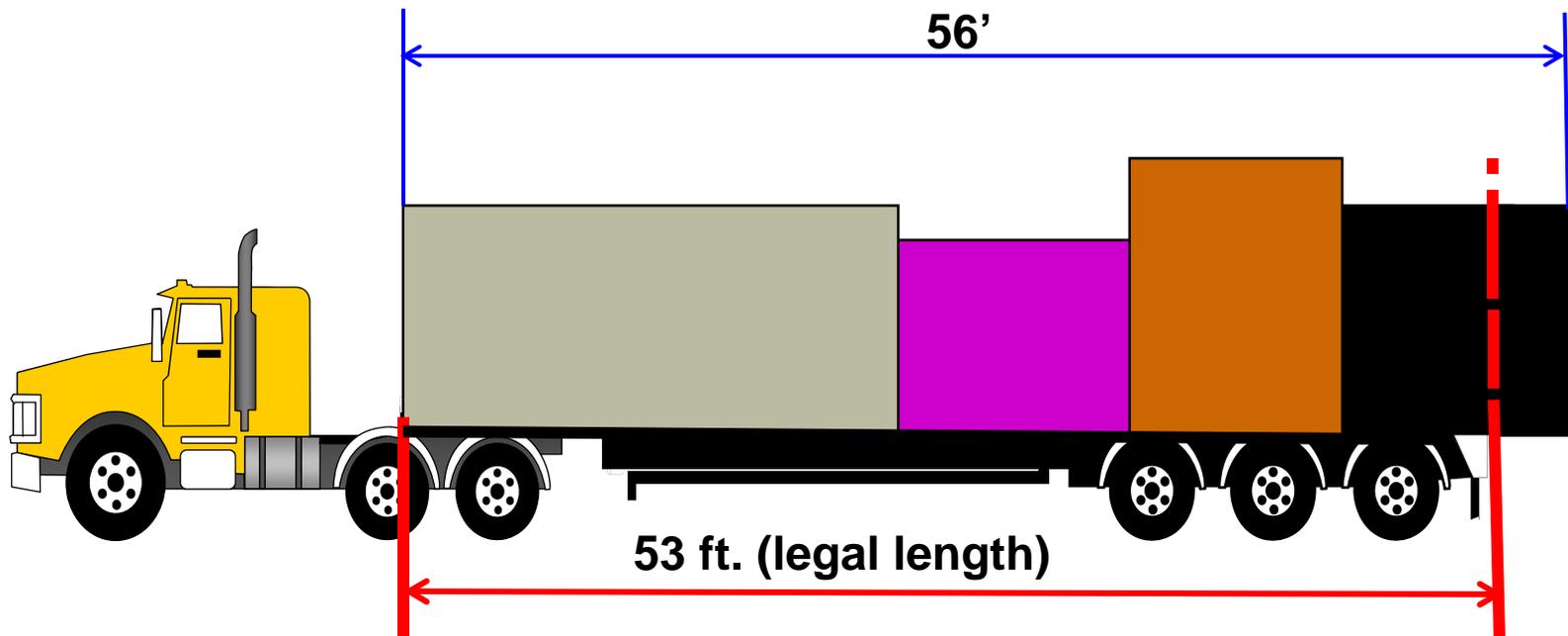
Divisible Permits

- Single Trailer – For divisible loads up to 56 ft.



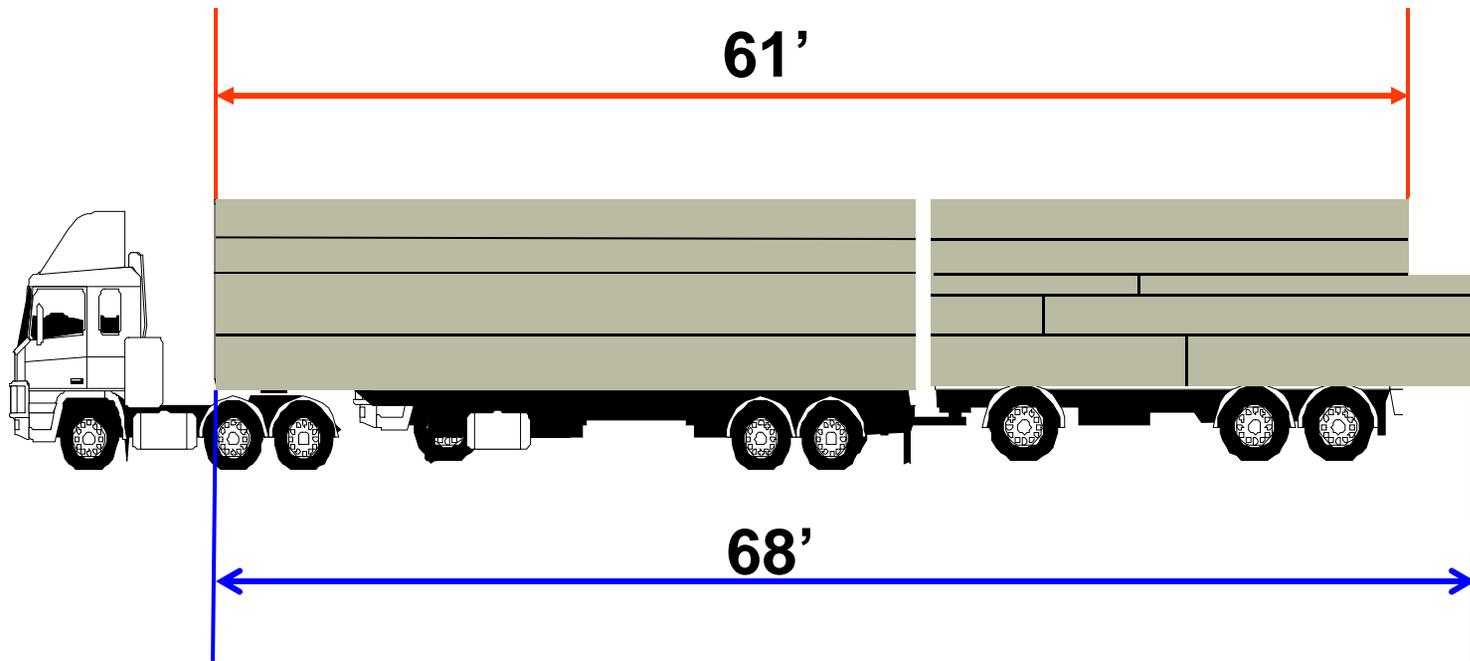
Single Trailer Permit

- Allows for a divisible load to be up to 56 ft. in length



Double Trailer Permit

Divisible Load



Permitted to 68 ft.
No overall length maximum

Hay Bales and Empty Apple Bins

- Divisible Loads (WAC 468-38-071)
- Authorized 15 ft. high
- Exempt from pilot cars but must have signs



Non-Divisible Permits

- **Non-Divisible – Monthly and Annual**
(RCW 46.44.0941)
- **Manufactured Housing**
(WAC 468-38-120)
- **Fixed Load – Monthly**
(RCW 46.44.0941)
- **Single Trip Oversize/Overweight**
(RCW 46.44.0941)

Oversize/Overweight Single Trip Permit

- No Maximum for Non-Divisible Dimension



Non-Divisible Load Permit

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



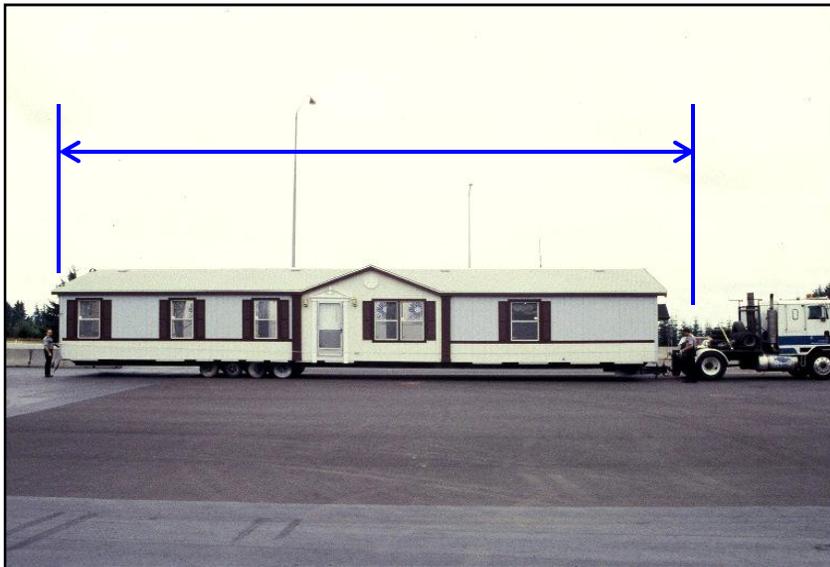
Manufactured Homes

(WAC 468-38-120)

Maximum 16 ft. wide box and total width of 18 ft.

Monthly Permit

- Not to exceed 75 ft. long (including tongue)
- 15 ft. wide (include a 12 inch eave) and
- 15 ft. high



Overweight Loads



Overweight Formula

(RCW 46.44.091)

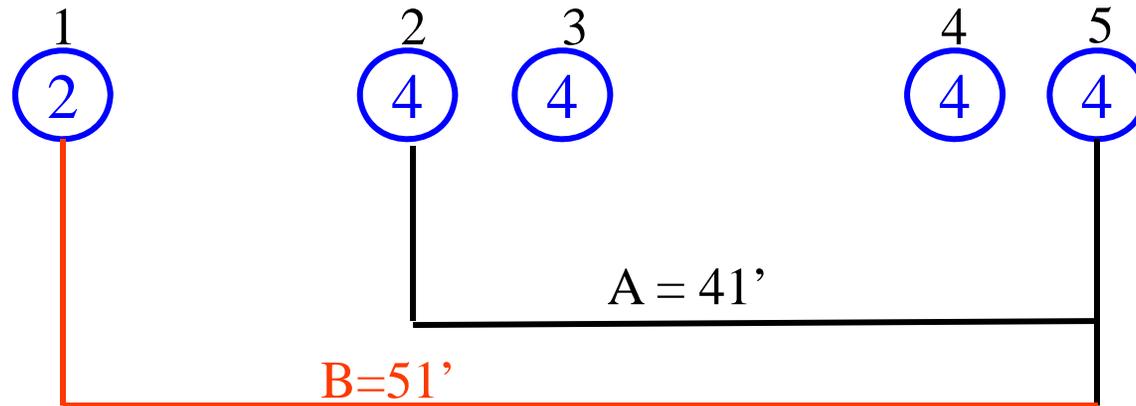
Permits for heavy loads are not to exceed weight limits as follows:

- 600 pounds per inch of tire width.
- 22,000 pounds on a single axle.
- 43,000 pounds on a tandem axle.

The weight allowed on any series of axles is determined by this formula:

Distance in Feet Between First and Last Axles in the Group	Weight Allowed (In Pounds)
7 feet to less than 10 feet, multiply	(Feet) x 6,500
10 feet to less than 30 feet	(Feet plus 20) x 2,200
30 feet or greater	(Feet plus 40) x 1,600

Overweight Formula



Per Axle:

Axle 1	13,200
Axle 2-3	43,000
Axle 4-5	<u>43,000</u>
Total	99,200

Permitted weight limited by tire size and axle grouping.

99,200

Per Axle GROUP A :

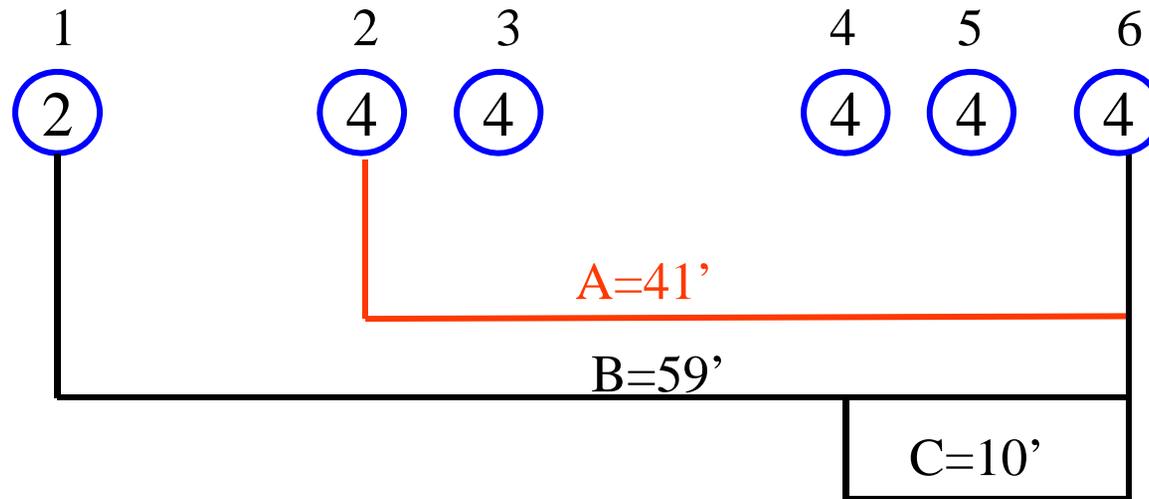
Axle 1	13,200
Axle 2-5	<u>129,600</u>
Total	142,800

Per Axle GROUP B (OVERALL):
Axle 1-5 145,600lbs

Tire size assumed to be 11:00

GVW is restricted to the lesser of the combined axle group totals

Overweight Formula



Per Axle:

Axle 1	14,400
Axle 2-3	43,000
Axle 4-6	<u>65,000</u>
Total	122,400

Per Axle Group A:

Axle 1	14,400
Axle 2-6	<u>129,600</u>
Total	144,000

Per Axle Group B (overall):

Axle 1-6 Total	<u>158,000</u>
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Per Axle Group C:

Axle 4-6	65,000
Total	<u>65,000</u>

Permitted weight limited by tire size and axle grouping.

122,400

Steer axle tire assumed to be 12:00

GVW is restricted to the lesser of the combined axle group totals

Exercise

- Permitted weight exercise
- You will need the following:
 - Permitted Weight Info Sheet
 - 600 lb per inch tire chart
 - Exercise Diagrams for Permitted Weight

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

Refuse and Recycle Trucks

2 Axle Truck - 6000 lbs. over single drive axle

3 Axle Truck- 8000 lbs. over tandem drive axle

Not valid with lift axles

Permit not good on the Interstate

Front axle weight may exceed legal weight up to tire size



Special Conditions



Superloads

WAC (468-38-405)

- Special analysis and time to approve loads exceeding:
 - 16 ft. wide and or high*
 - 125 ft. load length
 - 200,000 lbs.
- Approvals contain a packet of conditions and instructions to carry in vehicle
 - Days and times of travel, escort cars and other information

Regional Permits

www.wsdot.wa.gov/commercialvehicle

- 12 states are members
- One permit for multiple states
- Envelope vehicle
 - 21,500 lbs. single axle limit
 - 43,000 lbs. tandem axle limit
 - 53,000 lbs. tridem axle limit
 - 160,000 lbs. gross weight
 - 14 ft. wide, 14 ft. high, 110 ft. long
 - Refer customer to CVS
 - Agents process for issuing regionals as Self-Issuers

Farm Equipment

- Exempt from permits up to 16 ft. wide provided they follow certain safety requirements (WAC 468-38-290)
- Not to exceed 65,000 lbs.
- Less than 20 ft wide
- Height not to exceed 16 ft.*
- Farm tractor may pull no more than 2 implements
- Truck of any kind, no more than one trailing implement



Farm Exemptions

Annual Permit

Farmers and Implement Dealers are authorized

- Pilot Car Exceptions – No certification, passengers allowed, height pole (required over 15')
no vehicle limit (but not oversize)
- Farmer, One permit per farm (copies in all vehicles)

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 on all highways
with a height pole

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.

Fore Haul / Back Haul

(WAC 468-38-070)

Oversize trailers must have a load that is as wide or wider than the trailer

****Except****

The wide trailer is required for load stability or:

- Fore Haul** - A legal load on an oversize trailer is authorized when the carrier taking the legal load to a place to pick up an oversize load and will follow the same route as the oversize load routing
- Back Haul** - A legal load is authorized on an oversize trailer when the carrier is traveling back to its origin after dropping off an oversize load and following the same route as the oversize load routing

The oversize permit must have a note that the fore/back haul is approved

Fore Haul/Back Haul

- Requires two permits
 1. Monthly or single trip permit: For oversize trailer
 2. Single trip Oversize permit: For oversize load that is to be picked up
- The single trip oversize permit will display the fore haul
“Approved front haul, legal boats on oversize trailer”

Fore Haul / Back Haul

Example:

A legal sized compressor being hauled on a 9 ft. wide trailer. The route is from I-90 Spokane to Vancouver, WA. The route is 90, 18, 167, and 5. The driver is going to pick up a 10 wide dozer in Vancouver.

- A single trip O/S O/W permit to cover the Dozer they are picking up in Vancouver. On that single trip permit there must be a note:
“Legal size compressor loaded as a fore-haul”
- The single trip will show the route of the oversize load movement from Vancouver. The wide trailer with legal load must use the same route.
- You may not use a monthly dimensional permit for the oversize load if they wish to have a fore-haul.

AND

- A monthly/annual or a single trip permit for at least 9 feet wide to move the oversize trailer in the state. No statement of fore haul will be noted on the permit covering the trailer.

Heavy Haul Corridors

Port of Tacoma / SR 509 (RCW 46.44.0915)

- Sealed container from dock to transload site & return
- SR 509 from milepost .25 to 3.88 **ONLY**
- May exceed legal weight but not permitted weights up to 105,500 lbs.
- Requires a SR 509 Heavy Haul Permit



Heavy Haul Corridors

SR 9 and US 97

- Allows for Canadian weights be hauled on a very limited segment of highway
 - **SR 9** from the border into city of Sumas, WA and return (3 city blocks) (By signed agreement)
-
- **US 97** from border to a rail yard in Oroville, WA (about 5 miles) (RCW 46.44.0915)
 - SR 9 or US 97 permit required

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 within above restrictions****

Beyond these limits, a letter must be submitted to CVS for special approval. If approval is granted, approval must be stated on the permit or written authorization from CVS

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
- Tarping System Permit

Loads not required to display signs are also exempt from:

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



61' Non-Divisible Exception

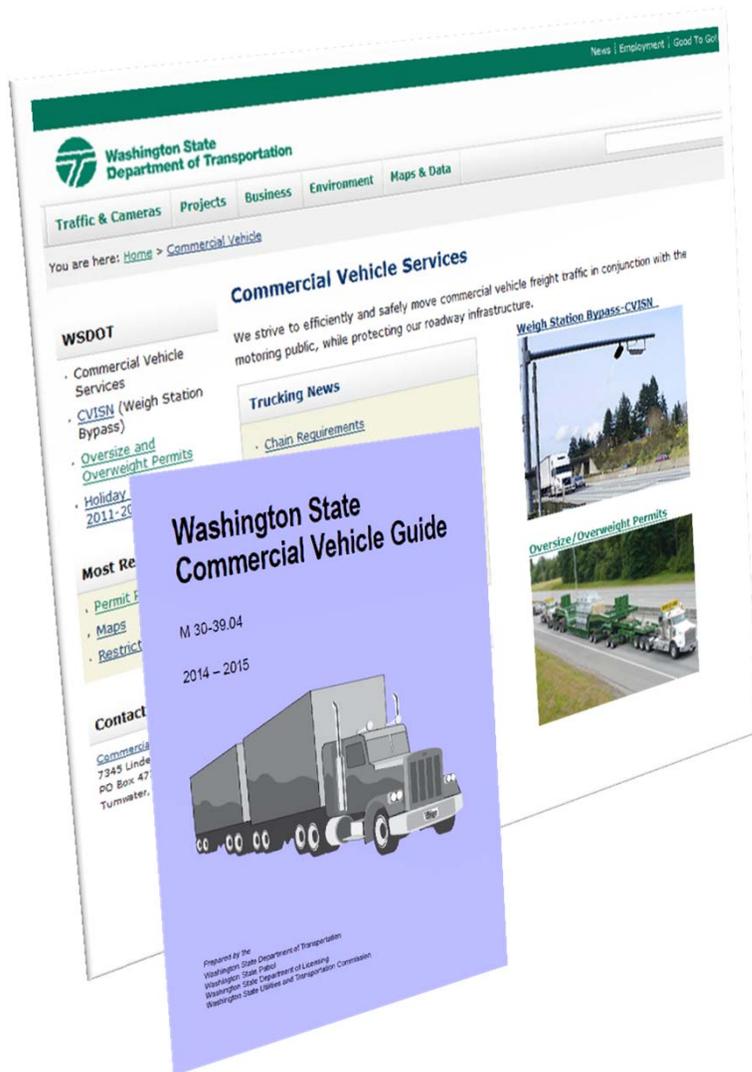
(WAC 468-38-075)

To qualify for the exemptions:

- Longest item must be single continuous piece
- Rebar and laminated beams most common loads
- Rear overhang cannot exceed 15 ft.



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>

CVS Permits Website

www.wsdot.wa.gov/commercialvehicle

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 Washington State
Department of Transportation

Email updates

Traffic & Cameras | Projects | Business | Environment | Maps & Data

You are here: [Home](#) > [Commercial Vehicle](#)

WSDOT

- [Commercial Vehicle Home](#)
- [Oversize and Overweight Permits](#)
- [Weigh Station Bypass - CVISN](#)

Most Requested

- [Legal Weight Charts \(pdf 23kb\)](#)
- [Maps](#)
- [Mountain Passes](#)
- [Permit Program Login](#)
- [Restrictions](#)

Contact Us

[Commercial Vehicle Services](#)
7345 Linderson Way SW
PO Box 47367
Tumwater, WA 98504-7367

Oversize and Overweight Permits

Our goal is to provide an efficient and timely permitting process to move oversize and overweight loads on the state's highway systems, protecting the motoring public and the Washington highway infrastructure.



Frequently Asked Questions

Permits and Fees

- [City and County Permit Offices](#)
- [Permit Types and Applications](#)
- [Permitting Offices and Agents](#)
- [Self-Issue Permits](#)
- [Western Regional Permit](#)

Truck Travel Information

- [Chain Requirements](#)
- [CV Detour Pass System](#)
- [Holiday Restrictions \(pdf 131kb\)](#)
- [State Traveler Information](#)

Resources and Tools

- [Calculated Overweight Permit Fees \(xls 46kb\)](#)
- [Axle Spacing Calculator](#)
- [Online Training and Presentations](#)
- [Pilot/Escort Information](#)
- [Request a USDOT Number](#)

Publications

- [Commercial Vehicle Guide \(pdf 3mb\)](#)
- [Farm Brochure - \[English Version\]\(#\) / \[Spanish Version\]\(#\)](#)
- [WASHTO Vehicle Guide \(pdf 581kb\)](#)
- [State of Washington Bridge List](#)

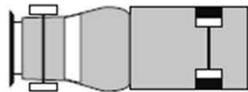
Mountain Passes

- 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.

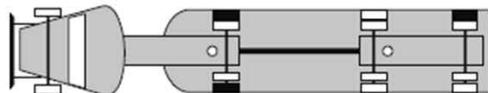
TWO TO FOUR AXLES



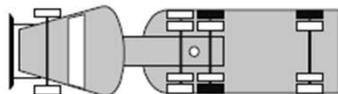
One tire on each side of the drive axle.



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.



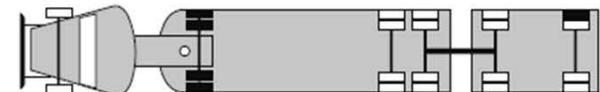
All tires on the drive axle and one tire on either side of the last axle of the last trailer.



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.

Tractors equipped with super-single tires:
Chain each tire on each drive axle.
(Refer to other illustration: for trailer chain requirements.)

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.



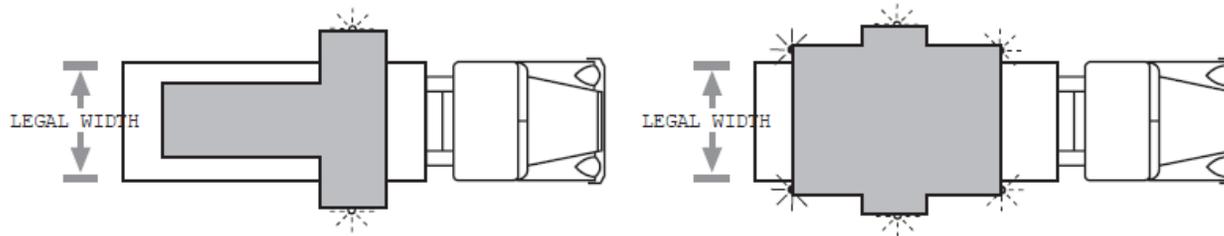
Only on six or more axle combinations when posted "ALL VEHICLES CHAINS REQUIRED" one additional tire on each side of the drive axle shall be chained.

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

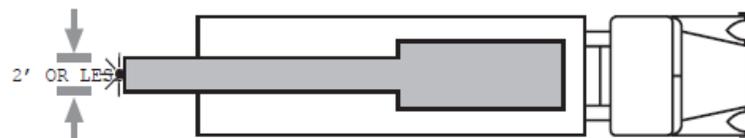
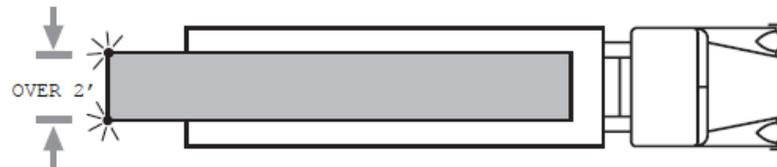
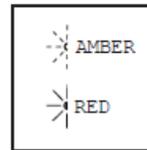
Or in state dial 511 or from out of state 1-800-695-7623. WASHINGTON STATE PATROL online at <http://WWW.WSP.WA.GOV>.

Lighting Requirements

Federal Regulations CFR 393.11



Examples for Warning Lights On Overwidth Loads



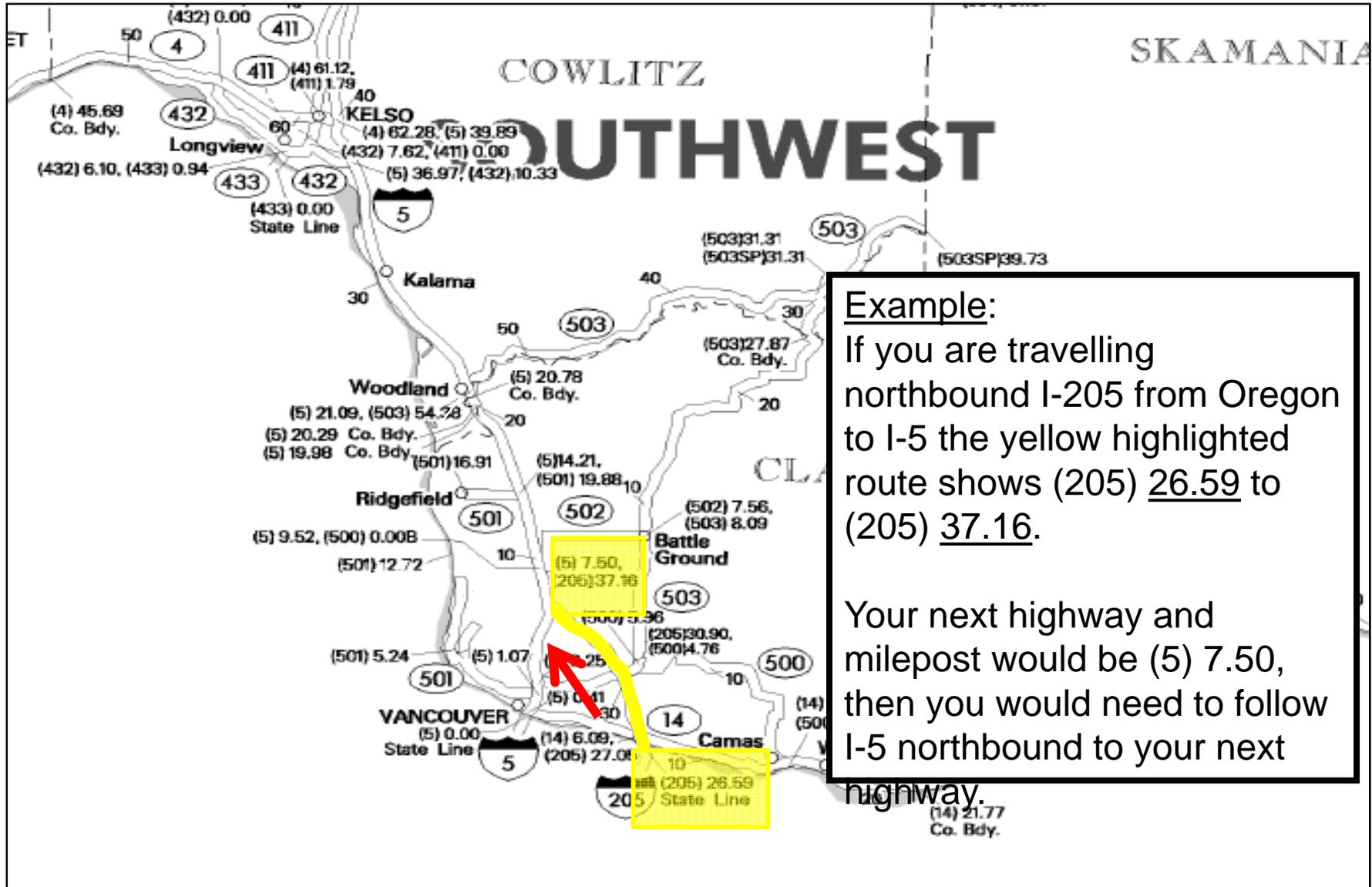
Washington State Milepost Map

- 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

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

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.
- Verify your vertical clearance using the Vertical Clearance Trip

Planner: <http://www.wsdot.wa.gov/data/tools/bridgeclearance>

You can verify overhead clearances for loads greater than 16 feet

tall at: [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.

WSDOT Contacts / Access to Tools

- **WSDOT Commercial Vehicle Services**

- Technicians – 360-704-6340
- Permit Program Manager 360-704-6345
- Fax number 360-704-6391
- **E-mail / CVSPermits@wsdot.wa.gov**

CVS website

www.wsdot.wa.gov/commercialvehicle

eSNOOPI Permit Program

Axle Spacing Reports

Thank you



Washington State
Department of Transportation