



# **Overdimensional Vehicle Policy**

Developed: March 1997  
Amended: March 2015

West Fargo Public Works Department  
810 12<sup>th</sup> Ave. NW  
West Fargo, ND 58078  
Phone (701) 433-5400 Fax (701) 433-5419

# Table of Contents

- I. OVER DIMENSIONAL VEHICLE POLICY
  - A. Legal Width ..... Page -1-
  - B. Legal Height..... Page -1-
  - C. Legal Length: ..... Page -1-
  - D. Legal Weight Limitations: ..... Page -2-
  - E. Permit Requirements: ..... Page -3-
- II. ROAD RESTRICTION REDUCTION IN WEIGHTS..... Page -4-
  - POLICY STATEMENT:..... Page -4-
  - PROCEDURE: ..... Page -4-
  - PURPOSE:..... Page -4-
- III. PERMITS FOR OVERSIZE AND OVERWEIGHT VEHICLES..... Page -5-
  - POLICY STATEMENT:..... Page -5-
  - PROCEDURE: ..... Page -5-
  - PURPOSE:..... Page -5-

## ***I. OVER DIMENSIONAL VEHICLE POLICY***

---

### **A. Legal Width**

1. 8 feet 6 inches on all highways.
2. Exceptions.
  - a. 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.
  - b. Implements of husbandry being moved by resident farmers, ranchers, dealers, or manufacturers between sunrise and sunset. Nighttime travel is allowed provided the implements are properly lighted.

### **B. Legal Height**

1. 14 feet whether loaded or unloaded, unless routes of travel include structures such as bridges and underpasses that are not 14 feet in height. Adequate clearance of all structures must be verified prior to moving any vehicle or equipment under any bridge or underpass.
2. Exceptions.
  - a. Implements of husbandry may not exceed 15 feet 6 inches in height when being moved by resident farmers, ranchers, dealers, or manufacturers between sunrise and sunset.

### **C. Legal Length:**

1. A single unit vehicle with two or more axles, including the load thereon, shall not exceed a length of 50 feet.
2. A combination of two, three, or four units, including the load thereon, shall not exceed a length of 75 feet on non-designated streets. Three and four unit combinations are subject to safety rules adopted by the Highway Commissioner.
  - a. The designated streets within the City of West Fargo are:
    - 1) Sheyenne St. between Main Ave. and I-94.
    - 2) 13th Ave. E. between Sheyenne St and Fargo City Limits.
    - 3) Cass Co. #19 between Main Ave. and BNRR.

**C. Legal Length (cont.):**

- 4) Center St. between Main Ave. and 12th Ave. No.
- 5) 12th St. NW.
- 6) 2nd Ave. NW between Cass Co. #19 and 6th St. NW
- 7) 7th St. NW
- 8) 11th St. W between Main Ave and 2nd Ave. W
- 9) 2nd Ave W between 11th St W and 8th St. W.
- 10) 8th St W between Main Ave and 2nd Ave W.
- 11) 12th Ave N between West City limits and Fargo City limits
- 12) 9<sup>th</sup> Street East between Main Avenue and 13<sup>th</sup> Avenue East

Trucking firms not located adjacent to these designated streets will be allowed to use the most direct route from their terminal to access them.

- 3. A combination of two, three, or four units, including the load thereon, may exceed 75 feet in length but shall not exceed 110 feet in length when traveling on designated streets.
- 4. The length of a trailer or semitrailer, including the load thereon, may not exceed 53 feet.
- 5. Towing converter dollies.
  - a. Converter dollies that are used to convert semi-trailers to trailers are considered trailers if they meet all lighting requirements and are equipped with brakes and safety chains.
  - b. No more than one converter dolly can be towed behind a truck-tractor, semitrailer, and trailer; and no more than two converter dollies can be towed behind a truck-tractor and semitrailer.

**D. Legal Weight Limitations:**

Table 1 below consists of the maximum gross and axle weights by class of roadway. Furthermore Appendix A contains the official Load Restriction route map for the City of West Fargo.

**Maximum Gross and Axle Weights**

**Table 1**

	<b>Class 1 Load Restriction</b>	<b>Class 2 Load Restriction</b>	<b>Class 3 Load Restriction</b>	<b>Class 4 Load Restriction</b>
Gross Weight	130,000 lbs	110,000 lbs	90,000 lbs	64,000 lbs
Single Axle	20,000 lbs	18,000 lbs	15,000 lbs	12,000 lbs
Tandem Axle	34,000 lbs	32,000 lbs	30,000 lbs	24,000 lbs
Triple Axle	48,000 lbs	42,000 lbs	36,000 lbs	30,000 lbs
Quad Axle	60,000 lbs	56,000 lbs	48,000 lbs	40,000 lbs
5 Axle Grouping	75,000 lbs	70,000 lbs	60,000 lbs	50,000 lbs

**D. Legal Weight Limitations (cont.):**

1. Gross vehicle weight.

- a. The gross vehicle weight of any vehicle or combination of vehicles is

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

determined by the following weight formula of  
where  $W$  equals maximum weight in pounds carried on any group of two or more axles;  $L$  equals distance in feet between the extremes of any group of two or more consecutive axles; and  $N$  equals number of axles in the group under consideration. A chart is provided in Appendix A.

2. Axle weight.

Axles spaced 40 inches or less apart are considered one axle. Axles spaced 8 feet apart or over 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.

4. Wheel weight.

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

5. Tire weight.

- a. The weight per inch width of tire shall not exceed 550 pounds. The width of tire for solid tires shall be the rim width; for pneumatic tires, the manufacturer's width. Metric tire sizes are converted to inches by dividing millimeters by 25.4.

**E. Permit Requirements:**

All Divisible loads cannot be permitted to exceed Gross, Axle, Wheel, or Tire weight limitations. However, non-divisible load may apply for a permit to exceed weight limitations (see Section III. *PERMITS FOR OVERSIZE AND OVERWEIGHT VEHICLES*).

## II. ROAD RESTRICTION REDUCTION IN WEIGHTS

### PURPOSE:

To establish guidelines as to what gross axle weights and gross vehicle weights will be enforced during the designated periods of the year. Primarily this will occur in the spring of the year when streets break up due to frost leaving the ground.

### POLICY STATEMENT:

As authorized by section 13-1523 of the City of West Fargo Municipal Code, the City of West Fargo will reduce allowable weights on streets under their jurisdiction that may become seriously damaged or destroyed by reason of deterioration, rain, snow, or other climatic conditions.

### PROCEDURE:

- A. Listed below are the restricted Roadway classifications, restricted gross axle weights, and restricted gross vehicle weight limits on City streets.

**Road Restriction Maximum Gross and Axle Weights**  
**Table 2**

	<b>Class 1 Load Restriction</b>	<b>Class 2 Load Restriction</b>	<b>Class 3 Load Restriction</b>	<b>Class 4 Load Restriction</b>
Gross Weight	110,000 lbs	90,000 lbs	64,000 lbs	Cars and Unloaded Trucks Only
Single Axle	18,000 lbs	15,000 lbs	12,000 lbs	
Tandem Axle	32,000 lbs	30,000 lbs	24,000 lbs	
Triple Axle	42,000 lbs	36,000 lbs	30,000 lbs	
Quad Axle	56,000 lbs	48,000 lbs	40,000 lbs	
5 Axle Grouping	70,000 lbs	60,000 lbs	50,000 lbs	

- B. A spring up charge fee shall be added to all overweight permits issued during spring road restrictions as outlined in the spring up charge fee schedule. (See Appendix D)

### **III. PERMITS FOR OVERSIZE AND OVERWEIGHT VEHICLES**

#### **PURPOSE:**

To establish guidelines when permits will be issued for vehicles or loads exceeding legal size and/or weight for movement on the City streets.

#### **POLICY STATEMENT:**

As authorized by section 13-1521 of the City of West Fargo Municipal Code, the City will issue single trip permits, when good cause is shown, for the movement of oversize and/or overweight vehicles and loads.

The following procedures outline the requirements and methods for issuing permits for oversize and overweight vehicles.

#### **PROCEDURE:**

##### **A. Permit Requirements**

1. **Permits must be in possession prior to starting any movement.** They shall designate the route to be traveled and may contain such other restrictions as deemed necessary by the City Public Works. The City has the authority to revoke permits when the holder violates or abuses the privilege or conditions of the permits.
2. General travel restrictions.
  - a. Single trip permits shall not be issued for OVER DIMENSIONAL movements between sunset and sunrise, unless approved by the City Public Works.
  - b. Single trip permits for over width exceeding 16 feet or over length exceeding 88 feet shall not be issued authorizing movements on Saturday after 12 noon, all day Sunday, and on holidays of New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.
    - 1) When any above named holiday is on Sunday, the following Monday shall be the holiday.
    - 2) When any above named holiday is on a Saturday, the preceding Friday shall be the holiday.
    - 3) No over-width permit exceeding 16 feet or over-length permit exceeding 110 feet will be valid from 12 noon the day before the holiday until sunrise the day after the holiday.
  - c. Single trip permits shall not authorize movements when inclement weather prevails, highways are slippery, or when visibility is poor.
  - d. Single trip permits do not authorize travel on shoulders of road.
  - e. Single trip permits shall apply to movement of one vehicle or one vehicle combination only.

- f. All permits shall require a minimum distance of 1,000 feet between vehicles in a convoy of two or more vehicles.
  - g. Single trip permits will be for the duration of one movement, generally not to exceed three days. Movement of a fixed load during a 24-hour period shall be considered one movement.
3. General safety requirements.
- a. All over-dimensional vehicles and loads shall have minimum 18 inch by 18 inch red or bright orange flags displayed on the traffic side front and rear.
  - b. When the overall length of an over-dimensional movement exceeds 75 feet in length, there shall be at least an 18 inch by 84 inch **OVERSIZE LOAD** sign on the rear. The lettering shall be black on yellow background. Letters shall be at least 10 inches high with 1.41 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 shall be black on yellow background. The letters shall be at least 8 inches high with 1-inch brush stroke. The sign shall be covered or removed when the movement is not over-dimensional.
  - c. All motor vehicles when transporting loads must be loaded and secured to prevent the shifting or falling of the load. Loads such as a hydraulic backhoe or crane must be secured to prevent the accidental lifting of the bucket or boom.
  - d. Towing vehicle must have two mirrors to reflect a rear view of 200 feet to the driver.
  - e. All commercial oversize vehicles must be equipped in accordance with the requirements and specifications of Parts 393 and 396 of 49CFR.
4. Escort requirements.
- a. All movements exceeding 14 feet 6 inches in width, 18 feet in height, and 120 feet in overall length are required to have official escort or approved pilot cars (see Pilot Car Policy). In lieu of the pilot car requirement for movements not exceeding 16 feet in width, the over-width vehicle itself, or vehicle towing the over width load may be equipped with a rotating or flashing amber lights which are visible from front and rear for a minimum 500 feet. On four-lane divided highways, there are no pilot car requirements for movements not exceeding 16 feet in width. Movements exceeding 18 feet in width will be required to have an official escort unless exempted by the City Public Works.
  - b. Exceeding 16 feet in overall width.
    - 1) One pilot car is required to precede each movement at a distance of 300 to 700 feet and one pilot car is required to follow each movement at a distance of 300 to 700 feet on two-lane highways.



- 2) One pilot car is required to follow each movement at a distance of 300 to 700 feet on four-lane divided highways.
- c. Pilot car requirements.
- 1) The vehicle must be a passenger vehicle or two-axle truck only and must be operated as a single unit only.
  - 2) The vehicle must have on the highest part a sign that is minimum 12 inches in height and 60 inches in length with the words **OVERSIZE LOAD** on it. The sign shall be yellow with black lettering. The lettering shall not be less than 8 inches high and 1-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. There shall be radio communication between the pilot car(s) and the vehicle being escorted.
5. General size limitations.
- a. Construction and building contractors' equipment and vehicles used to move such equipment are exempt from width limitations not to exceed 10 feet in width when being moved by contractors or resident carriers. Housemovers' vehicles and equipment and specialized oil field vehicles commonly referred to as rig up trucks or jin trucks are considered construction equipment.
  - b. Single trip permits shall 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. All vertical clearances shall be the responsibility of the permittee.
    - 1) The City of West Fargo list of bridges with vertical clearances will be referred to when issuing all over height permits and may cause over height movements to be given special route restrictions.
  - c. Towed vehicles, such as rock crushers or conveyors, are subject to single trip permits if the length of the towed vehicle exceeds 60 feet.
  - d. Road construction may limit over width movements to 12 feet in width, or less, on some highways. Contact City Public Works to obtain width restrictions.
  - e. If an over width trailer or semitrailer is needed to transport an oversize or overweight load, only one single trip permit will be required for the round trip movement. If an over length, modular type, semitrailer is needed to transport an overweight load, only one single trip permit will be required for the round trip movement. An over width farm implement trailer is defined as a farm implement and may also be permitted, empty or loaded.

6. General conditions for all overweight movements.
- a. No permit shall be issued for an overweight vehicle unless the vehicle is registered for the gross weight which the vehicle can legally carry without a permit, nor issued for loads that can be reasonably made to conform to legal limits. Overweight permits will be issued for hauling one piece of equipment only. A dozer with blade attached is considered one piece. If the blade is detached, it cannot be hauled on the same load.
  - b. The rate of speed shall not exceed 25 mph 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. City Public Works **may** require a speed reduction on some structures.
  - c. **Overweight permits are not valid for movement on flexible pavements when the atmospheric temperature is 85° F or above.**
  - d. NDDOT and City of Fargo issued permits will be honored on the City A truck route system:
    - 1) Loads are in compliance with City of West Fargo OVER DIMENSIONAL Vehicle Policy.
    - 2) You are utilizing the services of any truck stop adjacent to the interstate system.
    - 3) Load stays off of the residential street system.
    - 4) The origin of the load is the owner's primary place of business (i.e. shop/office) and the load has a destination outside the City of West Fargo and the load remains on the City Truck Routes.
    - 5) The origin and destination of a load is outside the City of West Fargo and the load remains on the City Truck Routes.
    - 6) The origin of the load is outside the City of West Fargo and the loads destination is the owner's primary place of business (i.e. shop/office) within the City of West Fargo and the load remains on the City Truck Routes.

7. Additional conditions for all overweight movements.
  - a. Loads would have to be broken down as follows if requested routes of travel cannot be approved by the City Public Works.
    - 1) Blades and rippers must be removed from dozer and hauled separately.
    - 2) All scrapers must be split and hauled separately.
    - 3) Counterweights must be removed from cranes and hauled separately.
  - b. **All** movements are subject to Public Works Director approval.
8. Additional conditions for movement of overweight self-propelled earthmoving equipment such as scrapers, rubber-tired dozers, and loaders.
  - a. The maximum permissible axle weight when roading earthmoving equipment is 36,000 pounds per axle except as authorized by the City Public Works.
  - b. Public Works Department may authorize permits when the axle weights exceed 36,000 pounds.
  - c. Earth moving equipment is not allowed to be loaded with material when roading.
  - d. Maximum speed for movement is 20 mph and a pilot car is required **to follow** for this purpose.
  - e. All general travel restrictions and requirements of this permit policy apply to self-propelled earthmoving equipment movements.
9. Government and emergency vehicles.
  - a. Governmental road maintenance equipment, North Dakota National Guard equipment, and emergency vehicles will be permitted on individual specifications or where emergencies necessitate.
10. Liability of permittee.
  - a. The applicant or permittee, as a condition for obtaining an oversize and/or overweight permit, shall assume all responsibility for accidents, damage, or injury to any persons or damage to public or private property caused by the movement of any oversize and/or overweight vehicle or load covered by the permit while upon public streets of the City of West Fargo.
  - b. The applicant or permittee agrees to indemnify and hold harmless the City of West Fargo, their officers and employees from any and all claims resulting directly or indirectly from the movement of an oversize and/or overweight vehicle or load on any public street of the City of West Fargo.

11. Special mobile equipment.

- a. For the purpose of this policy, special mobile equipment shall mean every non-registered, overweight, self-propelled vehicle that is only incidentally operated or moved over a highway.
- b. Special mobile equipment shall include the following vehicles:
  - 1) Workover rigs;
  - 2) Truck cranes;
  - 3) Self-propelled scrapers;
  - 4) Rubber-tired dozers;
  - 5) Rubber tired loaders;
  - 6) Fork Lifts.

12. Monthly Overdimensional Permit Policy

- a. The City may issue a permit that is valid for one calendar month.
- b. The permit will contain restrictions as deemed necessary by the City of West Fargo
- c. Permits may be revoked by the City when the holder violates or abuses any privilege or conditions of a permit or provides any false information on the permit.
- d. Monthly permits will NOT be issued during spring load restrictions
- e. The fee for the monthly permit is a 10 factor multiplied by the cost of a single trip permit.
- f. The permit will only be valid for the equipment it is permitted for, and the truck and trailer used to haul the equipment shall be the same as listed on the permit.
- g. The monthly permit shall be subject to all regulations and restrictions in the Overdimensional Policy.

13. Snow Removal Overdimensional Policy

- a. Policy requires permit for equipment that is over width and/or overweight for the purpose of snow removal.
- b. Permits can only be taken out for the entire winter season
- c. Snow removal permits are not valid during spring load restrictions for any overweight equipment.
- d. The permit will only be valid for the equipment it is permitted for on the permit.
- e. Snow removal permits can be obtained for any overdimensional equipment used for snow removal.
- f. Seasonal Snow Removal Permit

1. Snow removal permits can only be taken out on a seasonal basis
2. Seasonal snow removal permits shall be valid from October 1<sup>st</sup> to April 30<sup>th</sup>.
3. The fee for a seasonal snow removal permit is \$150.

g. All movements shall be in compliance with the City of West Fargo Overdimensional policy.

## B. Application Procedure

1. Single trip permits can be obtained from the City Public Works Department.
  - a. Applications may be made in person, via mail, or fax.
  - b. The applicant must read and sign the reverse side of the receipt/permit acknowledging the movement restrictions and requirements.
  - c. Permits will be in written form and must be in possession prior to entering City limits or starting movement.
  - d. Information required to obtain permits.
    - 1) Company name and address.
    - 2) Description of power unit: year, make, capacity, serial number, license number and state, tire sizes, and number of axles.
    - 3) Description of towed unit: type unit, make, tire sizes, number of axles and axle bridge spacing.
    - 4) Overall dimensions of vehicle and load.
    - 5) Axle weights and gross weight of vehicles and load if overweight is requested.
    - 6) Dates of travel, point of origin and destination, and desired route to be traveled.
2. Permit fees.
  - a. \$20 for each single trip permit.
  - b. Overweight fees as per the overweight fee schedule. (See Appendix C)
3. Single trip movement permits can be obtained from the City of West Fargo Public Works Department, 810 12<sup>th</sup> Ave. NW, West Fargo ND 58078. The telephone number is 701/433-5400. The fax number is 701/433-5419.
4. On-site weight verification/escort service.

Upon request, and if manpower is available, the City will provide escort services. The cost for these services shall be \$30 per hour.

**APPENDIX A**  
**Load Restriction Map**

## **APPENDIX B**

### **Weight Formula and Axle Charts**

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	41,500						
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			
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	79,500	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	Two consecutive sets of tandem axles may		66,000	70,500	75,500	81,000	86,500	92,500
37	carry a gross load of 34,000 pounds each		66,500	71,000	76,000	81,500	87,000	93,000
38	provided the overall distance between the first		67,500	72,000	77,000	82,000	87,500	93,500
39	and last axles of such consecutive sets of		68,000	72,500	77,500	83,000	88,500	94,000
40	tandem axles is 36 feet or more		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			79,500	83,000	87,500	92,500	98,000	103,500
57	Gross weight limit on residential streets		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	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 residential street system, only the exterior bridge measurement shall be used to determine the gross vehicle weight of a vehicle or combination of vehicles.



## City of West Fargo AXLE WEIGHT LIMITATIONS

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 apart or over are considered as individual axles. The gross weight of two individual axles may be restricted by the weight formula except that on highways other than the residential streets, two axles spaced 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.

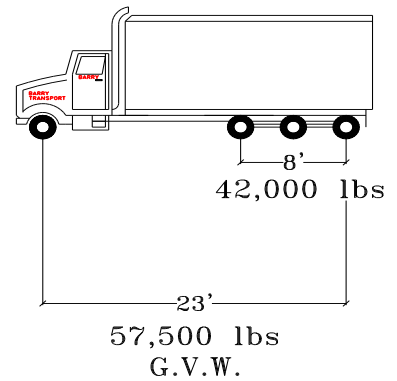
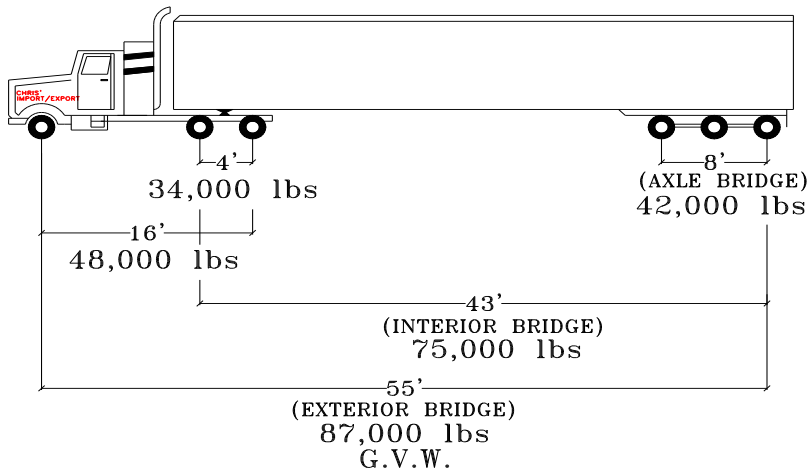
Axles spaced over 40 inches apart and less than 8 feet apart shall not carry a gross weight in excess of 17,000 pound per axle. The gross weight of three or more axles in a grouping is determined by the measurement between the extreme axle centers except that on the truck route system, groupings of three 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 wheel.

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	
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		
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 streets.

### Examples of Bridge Formula Application



### 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	295/75R22.5	11.6 inches
255/70R22.5	10.0 inches	315/75R22.5	12.4 inches
265/75R22.5	10.4 inches	385/65R22.5	15.2 inches
275/80R22.5	10.8 inches	425/65R22.5	16.7 inches
285/75R24.5	11.2 inches	445/65R22.5	17.5 inches

## APPENDIX C

### EXTRAORDINARY ROAD USE FEE SCHEDULE

Any vehicle found in excess of the weight limitations imposed without a permit shall be charged a fee according to the extraordinary road use fee schedule as authorized by Section 13-1525.8 of the City of West Fargo Municipal Code, which is paraphrased below.

Amount Overweight	Fee Per Pound
0 to 2,000 lbs	1 cent
2,001 to 5,000 lbs	4 cents
5,001 to 10,000 lbs	8 cents
10,001 to 20,000 lbs	10 cents
20,001 and over	20 cents

#### Example

An individual found with a vehicle 14,000 pounds in excess of the weight limitations shall be charged a fee as follows:

Amount Overweight	Fee
2,000 lbs	\$ 20.00
3,000 lbs	\$ 120.00
5,000 lbs	\$400.00
4,000 lbs	\$400.00
<b>Total 14,000 lbs over (7 Ton)</b>	<b>\$940.00 Total Fee</b>

## APPENDIX D

### OVERWEIGHT FEE SCHEDULES

Any individual acquiring a permit for a non-divisible load which exceeds the legal weight limits shall be charged an overweight fee in addition to the \$20 permit fee as outlined below in the overweight fee schedule.

Fee Schedule  
Weights exceeding restricted gross vehicle weight, plus  
axle weights fee schedule.  
(Weight to be rounded off to nearest ton)

GVW	Class 1	Class 2	Class 3	Class 4
66,000	-	-	-	\$ 5
68,000	-	-	-	10
70,000	-	-	-	15
72,000	-	-	-	20
74,000	-	-	-	25
76,000	-	-	-	30
78,000	-	-	-	35
80,000	-	-	-	40
82,000	-	-	-	45
84,000	-	-	-	50
86,000	-	-	-	55
88,000	-	-	-	60
90,000	-	-	-	65
92,000	-	-	\$ 5	70
94,000	-	-	10	75
96,000	-	-	15	80
98,000	-	-	20	85
100,000	-	-	25	90
102,000	-	-	30	95
104,000	-	-	35	100
106,000	-	-	40	105
108,000	-	-	45	110
110,000	-	-	50	115
112,000	-	\$ 5	55	120
114,000	-	10	60	125
116,000	-	15	65	130
118,000	-	20	70	135
120,000	-	25	75	140
122,000	-	30	80	145
124,000	-	35	85	150
126,000	-	40	90	155
128,000	-	45	95	160
130,000	-	50	100	165
132,000	\$5	55	105	170
134,000	10	60	110	175
136,000	15	65	115	180
138,000	20	70	120	185
140,000	25	75	125	190
142,000	30	80	130	195
144,000	35	85	135	200
146,000	40	90	140	205
148,000	45	95	145	210
150,000	50	100	150	215
152,000	55	105	155	220
154,000	60	110	160	225
156,000	65	115	165	230
158,000	70	120	170	235
160,000	75	125	175	240
162,000	80	130	180	245
164,000	90	135	185	250
166,000	95	140	190	255
168,000	100	145	195	260
170,000	105	150	200	265

GVW	Class 1	Class 2	Class 3	Class 4
172,000	110	155	205	270
174,000	115	160	210	275
176,000	120	165	215	280
178,000	125	170	220	285
180,000	130	175	225	290
182,000	135	180	230	295
184,000	140	185	235	300
186,000	145	190	240	305
188,000	150	195	245	310
190,000	155	200	250	315
192,000	160	205	255	320
194,000	170	210	260	325
196,000	175	215	265	330
198,000	180	220	270	335
200,000	185	225	275	340
202,000	190	230	280	350
204,000	200	240	290	360
206,000	210	250	300	370
208,000	220	260	310	380
210,000	230	270	320	390
212,000	240	280	330	400
214,000	250	290	340	410
216,000	260	300	350	420
218,000	270	310	360	430
220,000	280	320	370	440
222,000	300	330	380	450
224,000	310	340	390	460
226,000	320	350	400	470
228,000	330	360	410	480
230,000	340	370	420	490
232,000	350	380	430	500
234,000	360	390	440	510
236,000	370	400	450	520
238,000	380	410	460	530
240,000	390	420	470	540
242,000	400	430	480	550
244,000	410	440	490	560
246,000	420	450	500	570
248,000	430	460	510	580
250,000	440	470	520	590

Fee Schedule  
Weights exceeding restricted axle weights  
(Weight to be rounded off to nearest 1,000 pounds)

SINGLE AXLE WEIGHTS

Single Axle Weights	Class 1	Class 2	Class 3	Class 4
13,000	-	-	-	\$ 5
14,000	-	-	-	10
15,000	-	-	-	15
16,000	-	-	\$ 5	20
17,000	-	-	10	25
18,000	-	-	15	30
19,000	-	\$ 5	20	35
20,000	-	10	25	40
21,000	\$ 5	15	30	45
22,000	10	20	35	50
23,000	15	25	40	55
24,000	20	30	45	60
25,000*	25	35	50	65
26,000*	30	40	55	70
27,000*	35	45	60	75
28,000*	40	50	65	80
29,000*	45	55	70	85
30,000*	50	60	75	90

Above weights must be approved by Public Works

TANDEM AXLE WEIGHTS

Tandem Axle Weights	Class 1	Class 2	Class 3	Class 4
25,000	-	-	-	\$ 5
26,000	-	-	-	10
27,000	-	-	-	15
28,000	-	-	-	20
29,000	-	-	-	25
30,000	-	-	-	30
31,000	-	-	\$ 5	35
32,000	-	-	10	40
33,000	-	\$ 5	15	45
34,000	-	10	20	50
35,000	\$ 5	15	25	55
36,000	10	20	30	60
37,000	15	25	35	65
38,000	20	30	40	70
39,000	25	35	45	75
40,000	30	40	50	80
41,000	35	45	55	85
42,000	40	50	60	90
43,000	45	55	65	95
44,000	50	60	70	100
45,000	55	65	75	105
46,000*	60	70	80	110
47,000*	65	75	85	115
48,000*	70	80	90	120
49,000*	75	85	95	125
50,000*	80	90	100	130

Above weights must be approved by Public Works  
\*Weights are applicable to Fixed Load Vehicles Only

Fee Schedule  
Weights exceeding restricted axle weights  
(Weight to be rounded off to nearest 1,000 pounds)

TRIPLE AXLE WEIGHTS

Triple Axle Weights	Class 1	Class 2	Class 3	Class 4
31,000	-	-	-	\$ 5
32,000	-	-	-	10
33,000	-	-	-	15
34,000	-	-	-	20
35,000	-	-	-	25
36,000	-	-	-	30
37,000	-	-	\$ 5	35
38,000	-	-	10	40
39,000	-	-	15	45
40,000	-	-	20	50
41,000	-	-	25	55
42,000	-	-	30	60
43,000	-	\$ 5	35	65
44,000	-	10	40	70
45,000	-	15	45	75
46,000	-	20	50	80
47,000	-	25	55	85
48,000	-	30	60	90
49,000	\$ 5	35	65	95
50,000	10	40	70	100
51,000	15	45	75	105
52,000	20	50	80	110
53,000	25	55	85	115
54,000	30	60	90	120
55,000	35	65	95	125
56,000	40	70	100	130
57,000	45	75	105	135
58,000	50	80	110	140
59,000	55	85	115	145
60,000	60	90	120	150

Above weights must be approved by Public Works

QUADRUPLE AXLE WEIGHTS

Quad Axle Weights	Class 1	Class 2	Class 3	Class 4
41,000	-	-	-	\$ 5
42,000	-	-	-	10
43,000	-	-	-	15
44,000	-	-	-	20
45,000	-	-	-	25
46,000	-	-	-	30
47,000	-	-	-	35
48,000	-	-	-	40
49,000	-	-	\$ 5	45
50,000	-	-	10	50
51,000	-	-	15	55
52,000	-	-	20	60
53,000	-	-	25	65
54,000	-	-	30	70
55,000	-	-	35	75
56,000	-	-	40	80
57,000	-	\$ 5	45	85
58,000	-	10	50	90
59,000	-	15	55	95
60,000	-	20	60	100
61,000	\$ 5	25	65	105
62,000	10	30	70	110
63,000	15	35	75	115
64,000	20	40	80	120
65,000	25	45	85	125
66,000	30	50	90	130
67,000	35	55	95	135
68,000	40	60	100	140

Above weights must be approved by Public Works

Fee Schedule  
Weights exceeding restricted axle weights

5 AXLE GROUPING WEIGHTS

5 Axle Grouping Weights	Class 1	Class 2	Class 3	Class 4
51,000	-	-	-	\$ 5
52,000	-	-	-	10
53,000	-	-	-	15
54,000	-	-	-	20
55,000	-	-	-	25
56,000	-	-	-	30
57,000	-	-	-	35
58,000	-	-	-	40
59,000	-	-	-	45
60,000	-	-	-	50
61,000	-	-	\$ 5	55
62,000	-	-	10	60
63,000	-	-	15	65
64,000	-	-	20	70
65,000	-	-	25	75
66,000	-	-	30	80
67,000	-	-	35	85
68,000	-	-	40	90
69,000	-	-	45	95
70,000	-	-	50	100
71,000	-	\$ 5	55	105
72,000	-	10	60	110
73,000	-	15	65	115
74,000	-	20	70	120
75,000	-	25	75	125
76,000	\$ 5	30	80	130
77,000	10	35	85	135
78,000	15	40	90	140
79,000	20	45	95	145
80,000	25	50	100	150
81,000	30	55	105	155
82,000	35	60	110	160
83,000	40	65	115	165
84,000	45	70	120	170
85,000	50	75	125	175

Above weights must be approved by Public Works

Fee Schedule  
Weights exceeding restricted axle weights  
TO BE USED WHEN ONLY ONE AXLE IN A GROUPING IS OVER

Weight Per Axle	Class 1	Class 2	Class 3	Class 4
11,000	-	-	-	\$ 5
12,000	-	-	-	10
13,000	-	-	\$ 5	15
14,000	-	-	10	20
15,000	-	\$ 5	15	25
16,000	-	10	20	30
17,000	-	15	25	35
18,000	\$ 5	20	30	40
19,000	10	25	35	45
20,000	15	30	40	50

Above weights must be approved by Public Works

Fee Schedule  
Weights exceeding restricted gross vehicle weights  
SINGLE UNIT FIXED LOAD VEHICLES ONLY  
(Weight to be rounded off to nearest ton)

GVW	Class 1	Class 2	Class 3	Class 4
66,000	-	-	-	\$ 5
68,000	-	-	-	10
70,000	-	-	-	15
72,000	-	-	-	20
74,000	-	-	-	25
76,000	-	-	-	30
78,000	-	-	-	35
80,000	-	-	-	40
82,000	-	-	\$ 5	45
84,000	-	-	10	50
86,000	-	-	15	55
88,000	-	-	20	60
80,000	-	-	25	65
92,000	-	-	30	70
94,000	-	-	35	75
96,000	-	-	40	80
98,000	-	-	45	85
100,000	-	-	50	90
102,000	-	-	55	95
104,000	-	-	60	100
106,000	-	-	65	105
108,000	\$ 5	\$ 5	70	110
110,000	10	10	75	115