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SUBJECT: OVER DIMENSION VEHICLE REGULATIONS

ADOPTED DATE: FEBRUARY 19, 2008

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## **A POLICY TO REGULATE VEHICLE DIMENSIONS AND WEIGHTS ON CASS COUNTY HIGHWAYS**

### **1-01. Purpose**

This policy is made pursuant to North Dakota Century Code Chapter 39-12 and the Cass County, North Dakota Home Rule Charter. The policy classifies public highways under the jurisdiction of the county commission as to the weight and load of vehicles.

### **1-02. Special permits for vehicles of excessive size and weight issued - Contents - Fees**

The County Highway Department, or Sheriff, upon application and payment of the appropriate charges and for good cause shown, may issue a special written permit authorizing the applicant to operate or move a vehicle, mobile home, or modular unit of a size or weight exceeding the maximum specified by this policy upon a highway under the jurisdiction of the county. Every such permit may designate the route to be traversed, and may contain any other restrictions or conditions deemed necessary by the body granting such permit. Every such permit must be carried in the vehicle to which it refers and must be opened to inspection by any peace officer or agent in Cass County, North Dakota. It is a violation of the provisions of this policy for any person to violate any of the terms or conditions of such special permit. The county highway department may adopt rules governing the movement of oversize and overweight vehicles.

An appropriate charge may be made for each permit collected hereunder by the county and must be deposited in the county for use in the operating expenses of the county highway department. Official or publicly owned vehicles may not be required to pay charges for permits.

### **1-03. Commissioners may limit use of vehicles on highways**

Whenever any highway will be seriously damaged or destroyed by reason of deterioration, rain, snow, or other climatic conditions unless the use of vehicles is prohibited or the weight of the vehicle thereon is limited, the commissioners or employees authorized by them by ordinance or resolution, may prohibit the operation of vehicles upon such highway or may impose restrictions as to the weight of vehicles. The commissioners or employees who are making such order or enacting any such ordinance or resolution shall erect or cause to be erected and maintained signs designating the provisions of the order, ordinance, or resolution. Such signs must be erected and maintained at each end of that portion of any highway affected thereby, and such order, ordinance, or resolution is not effective until such signs are erected and maintained. The operation of trucks or other commercial vehicles or limitations as to the weight thereof on designated highways may be prohibited or limited in the same manner.

County commission order does not constitute a violation of the statutes relative to limitations on sizes and weights.

#### **1-04. Width, height, and length of vehicles**

##### **A. Legal Width**

- 1) Eight feet six 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. Night time travel is allowed provided the implements are properly lighted.

##### **B. Legal Height**

- 1) Fourteen 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.  
Implements of husbandry may not exceed 15 feet six inches in height when being moved by resident farmers, ranchers, dealers, or manufacturers between sunrise and sunset. Night time travel is allowed provided the implements are properly lighted.

##### **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, may not exceed 110 feet in length when traveling on county highways.
- 3) The length of a trailer or semi-trailer, including the load thereon, may not exceed 53 feet.
- 4) 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, semi-trailer, and trailer; and no more than two converter dollies can be towed behind a truck-tractor and semi-trailer.

**1-05 Legal weight limitations**

**A. Gross vehicle weight on the Cass County Highway System.**

The gross vehicle weight of any vehicle or combination of vehicles is determined by the following weight formula of

$$W = 500 * ( LN/N-1 + 12N + 36)$$

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 except that two consecutive sets of tandem axles may carry a gross load of 34,000 pounds each, providing the overall distance between the first and last axles of the consecutive sets of tandem axles is at least 36 feet. The maximum gross vehicle weight on the county highway system is 105,500 pounds.

**B. Axle weight on the Cass County Highway System.**

- 1) No single axle shall carry a gross weight in excess of 20,000 pounds. Axles spaced 40 inches or less apart are considered one axle. Axles spaced eight feet apart or over are considered as individual axles. (The gross weight of two individual axles may not exceed 40,000 pounds.) Spacing between axles shall be measured from axle center to axle center.
- 2) Axles spaced over 40 inches apart and less than eight feet apart shall not carry a gross weight in excess of 17,000 pounds per axle. The gross weight of three or more axles in a grouping may not exceed 48,000.
- 3) During the spring season or on otherwise posted highways reductions in the above axle weights may be specified. Axle weights may also be reduced by the bridge load limitations posted at individual bridges.

**C. 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.

**D. Tire weight.**

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. Permits for non-divisible loads.**

The gross weight limitations do not apply to equipment the commissioners or highway department approve for exemption. For every vehicle approved for exemption, the county highway department shall issue a nontransferable permit. The county highway department or sheriff's department may charge a fee for the permit.

**F. Permits for 10 percent winter exception.** The county highway department or sheriff may issue permits authorizing a specific motor vehicle to exceed the weight limitations stated in subsections A and B by ten percent. The permits may not provide for a gross weight in excess of one hundred five thousand five hundred pounds [47,854.00 kilograms]. The permits may provide for the general movement of products during the period from December first to March seventh. The county highway department or sheriff will charge a fee of \$20 for a single movement permit or \$50 for a seasonal permit.

**ROAD RESTRICTION REDUCTION IN WEIGHTS**

When restrictions on county highways are imposed in accordance with state law and Cass County ordinance, the weight classifications as listed below will be used.

Class	Single Axle	Tandem Axle	3 or More Axle Groupings	Gross Vehicle Weight
8-Ton	16,000 lbs	32,000 lbs	14,000 lbs per axle not to exceed 42,000 lbs gross weight on divisible loads	105,500 lbs
7-Ton	14,000 lbs	28,000 lbs	12,000 lbs per axle not to exceed 36,000 lbs gross weight on divisible loads	105,500 lbs
6-Ton	12,000 lbs	24,000 lbs	10,000 lbs per axle not to exceed 30,000 lbs gross weight on divisible loads	80,000 lbs
5-Ton	10,000 lbs	20,000 lbs	10,000 lbs per axle not to exceed 30,000 lbs gross weight on divisible loads	80,000 lbs No Overweight Movement Allowed

**1-06. Limitations on extending of load beyond side of motor vehicle.**

No motor vehicle carrying any load beyond the lines of the left fenders of such vehicle nor extending more than twelve inches [30.48 centimeters] beyond the line of the fenders on the right side of such vehicle may be operated on the highways, except as permitted by section 04. The county highway department or peace officer shall have authority to revoke permits when such holder violates or abuses the privilege or conditions of permit.

**1-07. Peace officers may weigh vehicle to determine load - decreasing gross weight of vehicle**

Every peace officer, including members of the state highway patrol, having reason to believe that the weight of a vehicle and the load carried thereon is unlawful, may weigh such vehicle and load or have the same weighed either by means of portable or stationary scales, and for that purpose the officer may require the vehicle to be driven to the nearest scales. Such officer may require the driver of such vehicle immediately to unload such portion of the load as may be necessary to decrease the gross weight to the maximum allowed by the provisions of this policy.

**1-08. Penalty for violation of chapter**

Any person violating any of the provisions of sections 04, 05, or 06 must be assessed a fee of one hundred dollars. Any person violating any other provision of this chapter, for which a specific penalty is not provided, must be assessed a fee of fifty dollars. These fees are in addition to the applicable charges for extraordinary road use listed in section 16 of this policy.

**1-09. Impounding overweight vehicle**

Any vehicle found to have been moved or used upon any highway, street, or road in this state at a weight exceeding the limitations as specified in any order, ordinance, or resolution issued under this policy may be impounded by any peace officer and taken to a warehouse or garage for storage.

**1-10. Impounding receipt - Information**

A receipt must be given by the officer impounding the vehicle, to the driver or person in charge of such vehicle. Such receipt must identify, as nearly as possible, the owner of the vehicle and cargo, the driver or person in charge of such vehicle, the cargo, the place the vehicle is to be stored during impoundment, the weight of the loaded vehicle and the name and address of the impounding officer. Information as to the owner of the vehicle and cargo must be obtained from the driver or person in charge of the vehicle.

**1-11. Impounding notice - Perishables**

The impounding officer shall notify the owner or owners, if they can be found, by wire or telephone, of the impoundment and the charges involved. If the cargo consists of perishables, the impounding officer shall use reasonable diligence in assisting the operator or owner in finding suitable storage facilities for such perishables, but all risk of loss or damage to such perishables must be upon the owner, operator, or lessee of such vehicle.

**1-12. Civil complaint.**

The state's attorney shall, if no settlement is made under section 13, immediately prepare and file a civil complaint on behalf of the authority having jurisdiction of the road whereon the violation occurred, for the purpose of recovering charges for the extraordinary use of the highways, streets, or roads of this county.

**1-13. Voluntary settlement of extraordinary road use fee charges**

Before the complaint is issued pursuant to section 12, the owner, or the owner's driver or agent, may voluntarily pay the amount of the extraordinary road use fee, or may provide proof of surety coverage to ensure payment of the extraordinary road use fee, provided under section 16, plus any towing or storage costs. Any settlement, whether made by the owner, or the owner's driver or agent, must be presumed to be of a voluntary nature. A peace officer or a peace officer's designee is authorized to receive the settlement payment on behalf of the authority having jurisdiction of the road whereon the violation occurred. The extraordinary road use fees must be remitted to the county treasurer.

**1-14. Mailing complaint**

A copy of the complaint must be served upon the driver or person in charge of the vehicle and a copy must be sent by registered or certified mail to the owner of the vehicle, if the address of such owner is known.

**1-15. Cash bond - Holding**

Unless a cash bond is furnished in an amount sufficient to cover the charges for extraordinary use of highways, streets, and roads, as provided in section 16, together with the costs which may be collectible under any subsequent settlement made pursuant to section 13, said vehicle must be held until a trial of the case can be had before the district court.

**1-16. Trial - Charges**

At the trial of the action, the court shall hear testimony concerning the facts and if it is found that such vehicle or vehicles were moved upon the highways, streets, or roads of this county at a weight in excess of the limitations imposed under the provisions of section 03 or as limited by the provisions of section 05, charges for the extraordinary use of the highways, streets, or roads must be assessed as follows:

1. The storage charges and costs of the action must be assessed; and
2. An additional charge must be assessed as follows:

1 to	1,000 pounds [.45 to 453.59 kilograms]	of excess weight = \$20
1,001 to	2,000 pounds [454.05 to 907.18 kilograms]	of excess weight = \$40
2,001 to	3,000 pounds [907.64 to 1360.78 kilograms]	of excess weight = \$60
3,001 to	4,000 pounds [1361.23 to 1814.37 kilograms]	of excess weight = \$140
4,001 to	5,000 pounds [1814.82 to 2267.96 kilograms]	of excess weight = \$220
5,001 to	6,000 pounds [2268.41 to 2721.55 kilograms]	of excess weight = \$305
6,001 to	7,000 pounds [2722.01 to 3175.14 kilograms]	of excess weight = \$380
7,001 to	8,000 pounds [3175.60 to 3628.74 kilograms]	of excess weight = \$495
8,001 to	9,000 pounds [3629.19 to 4082.33 kilograms]	of excess weight = \$575
9,001 to	10,000 pounds [4082.78 to 4535.92 kilograms]	of excess weight = \$655
10,001 to	11,000 pounds [4536.37 to 4989.51 kilograms]	of excess weight = \$1,100

11,001 to 12,000 pounds	[4989.97 to 5443.10 kilograms]	of excess weight = \$1,200
12,001 to 13,000 pounds	[5443.56 to 5896.70 kilograms]	of excess weight = \$1,300
13,001 to 14,000 pounds	[5897.15 to 6350.29 kilograms]	of excess weight = \$1,680
14,001 to 15,000 pounds	[6350.74 to 6803.88 kilograms]	of excess weight = \$1,800
15,001 to 16,000 pounds	[6804.33 to 7257.47 kilograms]	of excess weight = \$1,920
16,001 to 17,000 pounds	[7257.93 to 7711.06 kilograms]	of excess weight = \$2,550
17,001 to 18,000 pounds	[7711.52 to 8164.66 kilograms]	of excess weight = \$2,700
18,001 to 19,000 pounds	[8165.11 to 8618.25 kilograms]	of excess weight = \$2,850
19,001 to 20,000 pounds	[8618.70 to 9071.84 kilograms]	of excess weight = \$3,000
20,001 to 21,000 pounds	[9072.29 to 9525.43 kilograms]	of excess weight = \$4,200
21,001 to 22,000 pounds	[9525.89 to 9979.02 kilograms]	of excess weight = \$4,400
22,001 to 23,000 pounds	[9979.48 to 10432.62 kilograms]	of excess weight = \$4,600
23,001 to 24,000 pounds	[10433.07 to 10886.21 kilograms]	of excess weight = \$4,800
24,001 to 25,000 pounds	[10886.66 to 11339.80 kilograms]	of excess weight = \$5,000
25,001 to 26,000 pounds	[11340.25 to 11793.40 kilograms]	of excess weight = \$5,200
26,001 to 27,000 pounds	[11793.86 to 12246.99 kilograms]	of excess weight = \$5,400
27,001 to 28,000 pounds	[12247.45 to 12700.59 kilograms]	of excess weight = \$5,600
28,001 to 29,000 pounds	[12701.04 to 13154.18 kilograms]	of excess weight = \$5,800
29,001 to 30,000 pounds	[13154.63 to 13607.77 kilograms]	of excess weight = \$6,000

An additional charge of \$200 for every 1,000-pound [453.59-kilogram] increase over 30,000 pounds [13607.77 kilograms] consistent with the above formula.

**1-17. Payment of charges - Confiscation - Sale**

If the charges and costs as provided in section 16 are not paid within a reasonable time from a cash bond previously posted or other cash payment, the judge shall order the vehicle confiscated and sold by the sheriff of the county at a public sale to the highest bidder and the proceeds applied to the payment of the charges and costs assessed under the provisions of sections 11 through 22.

**1-18. Payment - Effect**

The payment of charges may not be construed as a payment for the future use of highways, streets, or roads by vehicles carrying excess loads.

**1-19. Proceeds of sale - Continuing appropriation**

The proceeds of sale must be applied first to the payment of the costs of the proceedings, including attorneys and witness fees and costs, and next to the payment of the charges assessed. Such charges must be remitted to the county treasury to be credited to the county highway fund. The balance of the proceeds of any sale after the payment of costs and charges must be paid over by the sheriff to the person entitled thereto as determined by the court, or must be deposited with the clerk of court for such payment.

**1-20. Penalty**

Any driver of a vehicle who refuses to stop and submit the vehicle and load to a weighing when directed to do so by any police officer or any agent of this state having police powers relating to motor vehicles is guilty of a class B misdemeanor.

**1-21. Permissible loads - Exceptions**

When any motor truck, truck tractor, or trailer is operated upon the public highways of this county carrying a load in excess of the maximum prescribed under the provisions of sections 03 and 05 or other maximum weight limitations prescribed by law, the load must be reduced or shifted to within such maximum limitations before being permitted to operate on any public highway of this state; provided, however, that any such vehicle carrying a load of livestock is exempt from the limitations prescribed in section 05, relating to the carrying capacity of any wheel, tire, axle, or group of axles when excessive weight is caused by a shifting of the weight of the livestock. All material unloaded as required by this section must be cared for by the owner or operator of such vehicle at the risk of such owner or operator.

**1-22. Governor's or County Commission order authorizing excess limits**

The Governor of this state or the County Commission may authorize, by order of general application, permit and prescribe definite excess limitations as to size and weight for the operation of motor vehicles in emergencies and to meet unusual conditions for the general welfare of the public. The operation of such vehicles, in accordance with the Governor's or County Commission's order, does not constitute a violation of the statutes relative to limitations on sizes and weights.

**SECTION 2 - PERMITS FOR OVERSIZE AND OVERWEIGHT VEHICLES**

Cass County will issue permits, when good cause is shown, for the movement of oversize and/or overweight vehicles and loads. Oversize vehicles are those vehicles exceeding the legal width, height, length, and weight maximums listed below. The procedures contained in this document outline the requirements and methods for issuing permits for oversize and overweight vehicles.

**PERMIT PROCEDURES:**

**2-01. Permits must be in possession prior to starting any movement.** The County has the authority to revoke permits when the holder violates or abuses the privilege or conditions of the permits.

**2-02. General travel restrictions.**

- a. Permits shall not be issued for over dimensional movements between sunset and sunrise, unless approved by the County Engineer or Sheriff.
- b. Permits shall not authorize movements when inclement weather prevails, highways are slippery, or when visibility is poor.



- c. Permits do not authorize travel on shoulders of road.
- d. Permits shall apply to movement of one vehicle or one vehicle combination only.
- e. All permits shall require a minimum distance of 1,000 feet between vehicles in a convoy of two or more vehicles.

**2-03. 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 110 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 over length only, exceeding 110 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.

**2-04. 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 or hauling an over width load, may be equipped with a lighted rotating or flashing amber light or lights that are visible from front and rear for a minimum 500 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 County Engineer or his/her designee.

- 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.

**2-05. 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. House movers' vehicles are considered construction equipment.
- b. 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.
- c. Towed vehicles, such as rock crushers or conveyors, are subject to 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.

**2-06. 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. Overweight permits are not valid for movement on flexible pavements when the atmospheric temperature is 85° F or above.

**2-07. 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 County Engineer or Sheriff.
  - 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.
  - 4) Self-propelled truck cranes shall be allowed a maximum of 550 lbs. per inch width of tire without an additional overweight fee, up to a maximum gross vehicle weight of 150,000 lbs, anything over 150,000 lbs. gross vehicle weight will be charged rates listed  
Weights in excess of 550 lbs. per inch width of tire shall be assessed a fee in accordance with the fee schedule for each additional weight per axle configuration on self-propelled truck cranes.
  - 5) During spring weight restrictions, all truck cranes shall follow the standard over dimensional policies.
- b. All movements are subject to County Engineer or Sheriff approval.

**2-08. 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 County Engineer.
- b. County Engineer or Sheriff 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.

**2-09. 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.

**2-10. 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 on Cass County highways.
- b. The applicant or permittee agrees to indemnify and hold harmless the Cass County, its 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 county highway .

**2-11. 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

**2-12. Application Procedure**

- a. Permits can be obtained from the County Engineer or Sheriff.
  - 1) Applications may be made in person, via mail, fax or on line.
  - 2) The applicant must read and sign the reverse side of the receipt/permit acknowledging the movement restrictions and requirements.
  - 3) Permits will be in written form and must be in possession prior to starting movement on County Highways.

- 4) Information required for obtaining permits:
  - a) Company name and address
  - b) Description of power unit: year, make, capacity, serial number, license number and state, tire sizes, and number of axles
  - c) Description of towed unit: type unit, make, tire sizes, and number of axles
  - d) Overall dimensions of vehicle and load
  - e) Axle weights and gross weight of vehicles and load if overweight is requested
  - f) Point of origin and destination and desired route to be traveled.

**2-13. Permit fees as per the overweight fee schedule.**

**CASS COUNTY NORTH DAKOTA OVERDEMENSION PERMIT FEE SCHEDULE**

OVER HEIGHT, OVER WIDTH, OR OVER LENGTH PERMITS

	30 day	
Trip permit		Season (ends 12/31 of each year)
\$20	\$40	\$200

FOR OVERWEIGHT PERMITS, ADD THE ABOVE FEE TO THE AXLE WEIGHT FEE  
 AXLE WEIGHT FEE IS THE TOTAL OF ALL AXLE WEIGHT FEES FROM CHARTS

GVW	Unrestricted			8-Ton			7-Ton			6-Ton		
	Trip	30 day	Season	Trip	30 day	Season	Trip	30 day	Season	Trip	30 day	Season
66000												
68000												
70000												
72000												
74000												
76000												
78000												
80000												
82000										\$5	\$10	NA
84000										\$10	\$20	NA
86000										\$15	\$30	NA
88000										\$20	\$40	NA
90000										\$25	\$50	NA
92000										\$30	\$60	NA
94000										\$35	\$70	NA
96000										\$40	\$80	NA
98000										\$45	\$90	NA
100000										\$50	\$100	NA
102000										\$55	\$110	NA

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GVW	Unrestricted			8-Ton			7-Ton			6-Ton		
	Trip	30 day	Season	Trip	30 day	Season	Trip	30 day	Season	Trip	30 day	Season
104000										\$60	\$120	NA
106000							\$5	\$10	NA	\$65	\$130	NA
108000							\$10	\$20	NA	\$70	\$140	NA
110000							\$15	\$30	NA	\$75	\$150	NA
112000				\$5	\$10	NA	\$20	\$40	NA	\$80	\$160	NA
114000				\$10	\$20	NA	\$25	\$50	NA	\$85	\$170	NA
116000				\$15	\$30	NA	\$30	\$60	NA	\$90	\$180	NA
118000				\$20	\$40	NA	\$35	\$70	NA	\$95	\$190	NA
120000				\$25	\$50	NA	\$40	\$80	NA	\$100	\$200	NA
122000				\$30	\$60	NA	\$45	\$90	NA	\$105	\$210	NA
124000				\$35	\$70	NA	\$50	\$100	NA	\$110	\$220	NA
126000				\$40	\$80	NA	\$55	\$110	NA	\$115	\$230	NA
128000				\$45	\$90	NA	\$60	\$120	NA	\$120	\$240	NA
130000				\$50	\$100	NA	\$65	\$130	NA	\$125	\$250	NA
132000				\$55	\$110	NA	\$70	\$140	NA	\$130	\$260	NA
134000				\$60	\$120	NA	\$75	\$150	NA	\$135	\$270	NA
136000				\$65	\$130	NA	\$80	\$160	NA	\$140	\$280	NA
138000				\$70	\$140	NA	\$85	\$170	NA	\$145	\$290	NA
140000				\$75	\$150	NA	\$90	\$180	NA	\$150	\$300	NA
142000				\$80	\$160	NA	\$95	\$190	NA	\$155	\$310	NA
144000				\$85	\$170	NA	\$100	\$200	NA	\$160	\$320	NA
146000				\$90	\$180	NA	\$105	\$210	NA	\$165	\$330	NA
148000				\$95	\$190	NA	\$110	\$220	NA	\$170	\$340	NA
150000				\$100	\$200	NA	\$115	\$230	NA	\$175	\$350	NA
152000				\$105	\$210	NA	\$120	\$240	NA	\$180	\$360	NA
154000				\$110	\$220	NA	\$125	\$250	NA	\$185	\$370	NA
156000				\$115	\$230	NA	\$130	\$260	NA	\$190	\$380	NA
158000				\$120	\$240	NA	\$135	\$270	NA	\$195	\$390	NA
160000				\$125	\$250	NA	\$140	\$280	NA	\$200	\$400	NA
162000				\$130	\$260	NA	\$145	\$290	NA	\$205	\$410	NA
164000				\$135	\$270	NA	\$150	\$300	NA	\$210	\$420	NA
166000				\$140	\$280	NA	\$155	\$310	NA	\$215	\$430	NA
168000				\$145	\$290	NA	\$160	\$320	NA	\$220	\$440	NA
170000				\$150	\$300	NA	\$165	\$330	NA	\$225	\$450	NA
172000				\$155	\$310	NA	\$170	\$340	NA	\$230	\$460	NA
174000				\$160	\$320	NA	\$175	\$350	NA	\$235	\$470	NA
176000				\$165	\$330	NA	\$180	\$360	NA	\$240	\$480	NA
178000				\$170	\$340	NA	\$185	\$370	NA	\$245	\$490	NA
180000				\$175	\$350	NA	\$190	\$380	NA	\$250	\$500	NA
182000				\$180	\$360	NA	\$195	\$390	NA	\$255	\$510	NA
184000				\$185	\$370	NA	\$200	\$400	NA	\$260	\$520	NA
186000				\$190	\$380	NA	\$205	\$410	NA	\$265	\$530	NA
188000				\$195	\$390	NA	\$210	\$420	NA	\$270	\$540	NA
190000				\$200	\$400	NA	\$215	\$430	NA	\$275	\$550	NA
192000				\$205	\$410	NA	\$220	\$440	NA	\$280	\$560	NA

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GVW	Unrestricted			8-Ton			7-Ton			6-Ton		
	Trip	30 day	Season	Trip	30 day	Season	Trip	30 day	Season	Trip	30 day	Season
194000				\$210	\$420	NA	\$225	\$450	NA	\$285	\$570	NA
196000				\$215	\$430	NA	\$230	\$460	NA	\$290	\$580	NA
198000				\$220	\$440	NA	\$235	\$470	NA	\$295	\$590	NA
200000				\$225	\$450	NA	\$240	\$480	NA	\$300	\$600	NA
202000				\$230	\$460	NA	\$250	\$500	NA	\$310	\$620	NA
204000				\$240	\$480	NA	\$260	\$520	NA	\$320	\$640	NA
206000				\$250	\$500	NA	\$270	\$540	NA	\$330	\$660	NA
208000				\$260	\$520	NA	\$280	\$560	NA	\$340	\$680	NA
210000				\$270	\$540	NA	\$290	\$580	NA	\$350	\$700	NA
212000				\$280	\$560	NA	\$300	\$600	NA	\$360	\$720	NA
214000				\$290	\$580	NA	\$310	\$620	NA	\$370	\$740	NA
216000				\$300	\$600	NA	\$320	\$640	NA	\$380	\$760	NA
218000				\$310	\$620	NA	\$330	\$660	NA	\$390	\$780	NA
220000				\$320	\$640	NA	\$340	\$680	NA	\$400	\$800	NA
222000				\$330	\$660	NA	\$350	\$700	NA	\$410	\$820	NA
224000				\$340	\$680	NA	\$360	\$720	NA	\$420	\$840	NA
226000				\$350	\$700	NA	\$370	\$740	NA	\$430	\$860	NA
228000				\$360	\$720	NA	\$380	\$760	NA	\$440	\$880	NA
230000				\$370	\$740	NA	\$390	\$780	NA	\$450	\$900	NA
232000				\$380	\$760	NA	\$400	\$800	NA	\$460	\$920	NA
234000				\$390	\$780	NA	\$410	\$820	NA	\$470	\$940	NA
236000				\$400	\$800	NA	\$420	\$840	NA	\$480	\$960	NA
238000				\$410	\$820	NA	\$430	\$860	NA	\$490	\$980	NA
240000				\$420	\$840	NA	\$440	\$880	NA	\$500	\$1,000	NA
242000				\$430	\$860	NA	\$450	\$900	NA	\$510	\$1,020	NA
244000				\$440	\$880	NA	\$460	\$920	NA	\$520	\$1,040	NA
246000				\$450	\$900	NA	\$470	\$940	NA	\$530	\$1,060	NA
248000				\$460	\$920	NA	\$480	\$960	NA	\$540	\$1,080	NA
250000				\$470	\$940	NA	\$490	\$980	NA	\$550	\$1,100	NA

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Single Axle Weights	Unrestricted			8-Ton			7-Ton			6-Ton		
	Trip	30 day	Season	Trip	30 day	Season	Trip	30 day	Season	Trip	30 day	Season
13000										\$5	\$10	NA
14000										\$10	\$20	NA
15000							\$5	\$10	NA	\$15	\$30	NA
16000							\$10	\$20	NA	\$20	\$40	NA
17000				\$5	\$10	NA	\$15	\$30	NA	\$25	\$50	NA
18000				\$10	\$20	NA	\$20	\$40	NA	\$30	\$60	NA
19000				\$15	\$30	NA	\$25	\$50	NA	\$35	\$70	NA
20000				\$20	\$40	NA	\$30	\$60	NA	\$40	\$80	NA
21000	\$5	\$10	\$50	\$25	\$50	NA	\$35	\$70	NA	\$45	\$90	NA
22000	\$10	\$20	\$100	\$30	\$60	NA	\$40	\$80	NA	\$50	\$100	NA
23000	\$15	\$30	\$150	\$35	\$70	NA	\$45	\$90	NA	\$55	\$110	NA
24000	\$20	\$40	\$200	\$40	\$80	NA	\$50	\$100	NA	\$60	\$120	NA
25000	\$25	\$50	\$250	\$45	\$90	NA	\$55	\$110	NA	\$65	\$130	NA
26000	\$30	\$60	\$300	\$50	\$100	NA	\$60	\$120	NA	\$70	\$140	NA
27000	\$35	\$70	\$350	\$55	\$110	NA	\$65	\$130	NA	\$75	\$150	NA
28000	\$40	\$80	\$400	\$60	\$120	NA	\$70	\$140	NA	\$80	\$160	NA
29000	\$45	\$90	\$450	\$65	\$130	NA	\$75	\$150	NA	\$85	\$170	NA
Max 30,000	\$50	\$100	\$500	\$70	\$140	NA	\$80	\$160	NA	\$90	\$180	NA



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Tandem Axle Weights	Unrestricted			8-Ton			7-Ton			6-Ton		
	Trip	30 day	Season	Trip	30 day	Season	Trip	30 day	Season	Trip	30 day	Season
25000										\$5	\$10	NA
26000										\$10	\$20	NA
27000										\$15	\$30	NA
28000										\$20	\$40	NA
29000							\$5	\$10	NA	\$25	\$50	NA
30000							\$10	\$20	NA	\$30	\$60	NA
31000							\$15	\$30	NA	\$35	\$70	NA
32000							\$20	\$40	NA	\$40	\$80	NA
33000				\$5	\$10	NA	\$25	\$50	NA	\$45	\$90	NA
34000				\$10	\$20	NA	\$30	\$60	NA	\$50	\$100	NA
35000	\$5	\$10	\$50	\$15	\$30	NA	\$35	\$70	NA	\$55	\$110	NA
36000	\$10	\$20	\$100	\$20	\$40	NA	\$40	\$80	NA	\$60	\$120	NA
37000	\$15	\$30	\$150	\$25	\$50	NA	\$45	\$90	NA	\$65	\$130	NA
38000	\$20	\$40	\$200	\$30	\$60	NA	\$50	\$100	NA	\$70	\$140	NA
39000	\$25	\$50	\$250	\$35	\$70	NA	\$55	\$110	NA	\$75	\$150	NA
40000	\$30	\$60	\$300	\$40	\$80	NA	\$60	\$120	NA	\$80	\$160	NA
41000	\$35	\$70	\$350	\$45	\$90	NA	\$65	\$130	NA	\$85	\$170	NA
42000	\$40	\$80	\$400	\$50	\$100	NA	\$70	\$140	NA	\$90	\$180	NA
43000	\$45	\$90	\$450	\$55	\$110	NA	\$75	\$150	NA	\$95	\$190	NA
44000	\$50	\$100	\$500	\$60	\$120	NA	\$80	\$160	NA	\$100	\$200	NA
45000	\$55	\$110	\$550	\$65	\$130	NA	\$85	\$170	NA	\$105	\$210	NA
46000	\$60	\$120	\$600	\$70	\$140	NA	\$90	\$180	NA	\$110	\$220	NA
47000	\$65	\$130	\$650	\$75	\$150	NA	\$95	\$190	NA	\$115	\$230	NA
48000	\$70	\$140	\$700	\$80	\$160	NA	\$100	\$200	NA	\$120	\$240	NA
49000	\$75	\$150	\$750	\$85	\$170	NA	\$105	\$210	NA	\$125	\$250	NA
Max 50,000	\$80	\$160	\$800	\$90	\$180	NA	\$110	\$220	NA	\$130	\$260	NA

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Triple Axle Weights	Unrestricted			8-Ton			7-Ton			6-Ton		
	Trip	30 day	Season	Trip	30 day	Season	Trip	30 day	Season	Trip	30 day	Season
31000										\$5	\$10	NA
32000										\$10	\$20	NA
33000										\$15	\$30	NA
34000										\$20	\$40	NA
35000										\$25	\$50	NA
36000										\$30	\$60	NA
37000							\$5	\$10	NA	\$35	\$70	NA
38000							\$10	\$20	NA	\$40	\$80	NA
39000							\$15	\$30	NA	\$45	\$90	NA
40000							\$20	\$40	NA	\$50	\$100	NA
41000							\$25	\$50	NA	\$55	\$110	NA
42000							\$30	\$60	NA	\$60	\$120	NA
43000				\$5	\$10	NA	\$35	\$70	NA	\$65	\$130	NA
44000				\$10	\$20	NA	\$40	\$80	NA	\$70	\$140	NA
45000				\$15	\$30	NA	\$45	\$90	NA	\$75	\$150	NA
46000				\$20	\$40	NA	\$50	\$100	NA	\$80	\$160	NA
47000				\$25	\$50	NA	\$55	\$110	NA	\$85	\$170	NA
48000				\$30	\$60	NA	\$60	\$120	NA	\$90	\$180	NA
49000	\$5	\$10	\$50	\$35	\$70	NA	\$65	\$130	NA	\$95	\$190	NA
50000	\$10	\$20	\$100	\$40	\$80	NA	\$70	\$140	NA	\$100	\$200	NA
51000	\$15	\$30	\$150	\$45	\$90	NA	\$75	\$150	NA	\$105	\$210	NA
52000	\$20	\$40	\$200	\$50	\$100	NA	\$80	\$160	NA	\$110	\$220	NA
53000	\$25	\$50	\$250	\$55	\$110	NA	\$85	\$170	NA	\$115	\$230	NA
54000	\$30	\$60	\$300	\$60	\$120	NA	\$90	\$180	NA	\$120	\$240	NA
55000	\$35	\$70	\$350	\$65	\$130	NA	\$95	\$190	NA	\$125	\$250	NA
56000	\$40	\$80	\$400	\$70	\$140	NA	\$100	\$200	NA	\$130	\$260	NA
57000	\$45	\$90	\$450	\$75	\$150	NA	\$105	\$210	NA	\$135	\$270	NA
58000	\$50	\$100	\$500	\$80	\$160	NA	\$110	\$220	NA	\$140	\$280	NA
59000	\$55	\$110	\$550	\$85	\$170	NA	\$115	\$230	NA	\$145	\$290	NA
60000	\$60	\$120	\$600	\$90	\$180	NA	\$120	\$240	NA	\$150	\$300	NA

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Quadruple Axle Weights	Unrestricted			8-Ton			7-Ton			6-Ton		
	Trip	30 day	Season	Trip	30 day	Season	Trip	30 day	Season	Trip	30 day	Season
41000										\$5	\$10	NA
42000										\$10	\$20	NA
43000										\$15	\$30	NA
44000										\$20	\$40	NA
45000										\$25	\$50	NA
46000										\$30	\$60	NA
47000										\$35	\$70	NA
48000										\$40	\$80	NA
49000							\$5	\$10	NA	\$45	\$90	NA
50000							\$10	\$20	NA	\$50	\$100	NA
51000							\$15	\$30	NA	\$55	\$110	NA
52000							\$20	\$40	NA	\$60	\$120	NA
53000							\$25	\$50	NA	\$65	\$130	NA
54000							\$30	\$60	NA	\$70	\$140	NA
55000							\$35	\$70	NA	\$75	\$150	NA
56000							\$40	\$80	NA	\$80	\$160	NA
57000				\$5	\$10	NA	\$45	\$90	NA	\$85	\$170	NA
58000				\$10	\$20	NA	\$50	\$100	NA	\$90	\$180	NA
59000				\$15	\$30	NA	\$55	\$110	NA	\$95	\$190	NA
60000				\$20	\$40	NA	\$60	\$120	NA	\$100	\$200	NA
61000	\$5	\$10	\$50	\$25	\$50	NA	\$65	\$130	NA	\$105	\$210	NA
62000	\$10	\$20	\$100	\$30	\$60	NA	\$70	\$140	NA	\$110	\$220	NA
63000	\$15	\$30	\$150	\$35	\$70	NA	\$75	\$150	NA	\$115	\$230	NA
64000	\$20	\$40	\$200	\$40	\$80	NA	\$80	\$160	NA	\$120	\$240	NA
65000	\$25	\$50	\$250	\$45	\$90	NA	\$85	\$170	NA	\$125	\$250	NA
66000	\$30	\$60	\$300	\$50	\$100	NA	\$90	\$180	NA	\$130	\$260	NA
67000	\$35	\$70	\$350	\$55	\$110	NA	\$95	\$190	NA	\$135	\$270	NA
68000	\$40	\$80	\$400	\$60	\$120	NA	\$100	\$200	NA	\$140	\$280	NA

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5 Axle Grouping Weights	Unrestricted			8-Ton			7-Ton			6-Ton		
	Trip	30 day	Season	Trip	30 day	Season	Trip	30 day	Season	Trip	30 day	Season
51000										\$5	\$10	NA
52000										\$10	\$20	NA
53000										\$15	\$30	NA
54000										\$20	\$40	NA
55000										\$25	\$50	NA
56000										\$30	\$60	NA
57000										\$35	\$70	NA
58000										\$40	\$80	NA
59000										\$45	\$90	NA
60000										\$50	\$100	NA
61000							\$5	\$10	NA	\$55	\$110	NA
62000							\$10	\$20	NA	\$60	\$120	NA
63000							\$15	\$30	NA	\$65	\$130	NA
64000							\$20	\$40	NA	\$70	\$140	NA
65000							\$25	\$50	NA	\$75	\$150	NA
66000							\$30	\$60	NA	\$80	\$160	NA
67000							\$35	\$70	NA	\$85	\$170	NA
68000							\$40	\$80	NA	\$90	\$180	NA
69000							\$45	\$90	NA	\$95	\$190	NA
70000							\$50	\$100	NA	\$100	\$200	NA
71000				\$5	\$10	NA	\$55	\$110	NA	\$105	\$210	NA
72000				\$10	\$20	NA	\$60	\$120	NA	\$110	\$220	NA
73000				\$15	\$30	NA	\$65	\$130	NA	\$115	\$230	NA
74000				\$20	\$40	NA	\$70	\$140	NA	\$120	\$240	NA
75000				\$25	\$50	NA	\$75	\$150	NA	\$125	\$250	NA
76000	\$5	\$10	\$50	\$30	\$60	NA	\$80	\$160	NA	\$130	\$260	NA
77000	\$10	\$20	\$100	\$35	\$70	NA	\$85	\$170	NA	\$135	\$270	NA
78000	\$15	\$30	\$150	\$40	\$80	NA	\$90	\$180	NA	\$140	\$280	NA
79000	\$20	\$40	\$200	\$45	\$90	NA	\$95	\$190	NA	\$145	\$290	NA
80000	\$25	\$50	\$250	\$50	\$100	NA	\$100	\$200	NA	\$150	\$300	NA
81000	\$30	\$60	\$300	\$55	\$110	NA	\$105	\$210	NA	\$155	\$310	NA
82000	\$35	\$70	\$350	\$60	\$120	NA	\$110	\$220	NA	\$160	\$320	NA
83000	\$40	\$80	\$400	\$65	\$130	NA	\$115	\$230	NA	\$165	\$330	NA
84000	\$45	\$90	\$450	\$70	\$140	NA	\$120	\$240	NA	\$170	\$340	NA
85000	\$50	\$100	\$500	\$75	\$150	NA	\$125	\$250	NA	\$175	\$350	NA

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SELF-PROPELLED EARTH MOVING EQUIPMENT												
Single Axle Weights	Unrestricted			8-Ton			7-Ton			6-Ton		
	Trip	30 day	Season	Trip	30 day	Season	Trip	30 day	Season	Trip	30 day	Season
28000										\$5	NA	NA
29000										\$10	NA	NA
30000							\$5	NA	NA	\$15	NA	NA
31000							\$10	NA	NA	\$20	NA	NA
32000							\$15	NA	NA	\$25	NA	NA
33000							\$20	NA	NA	\$30	NA	NA
34000							\$25	NA	NA	\$35	NA	NA
35000				\$5	NA	NA	\$30	NA	NA	\$40	NA	NA
36000				\$10	NA	NA	\$35	NA	NA	\$45	NA	NA
37000	\$5	NA	NA	\$15	NA	NA	\$40	NA	NA	\$50	NA	NA
38000	\$10	NA	NA	\$20	NA	NA	\$45	NA	NA	\$55	NA	NA
39000	\$15	NA	NA	\$25	NA	NA	\$50	NA	NA	\$60	NA	NA
40000	\$20	NA	NA	\$30	NA	NA	\$55	NA	NA	\$65	NA	NA
41000	\$25	NA	NA	\$35	NA	NA	\$60	NA	NA	\$70	NA	NA
42000	\$30	NA	NA	\$40	NA	NA	\$65	NA	NA	\$75	NA	NA
43000	\$35	NA	NA	\$45	NA	NA	\$70	NA	NA	\$80	NA	NA
44000	\$40	NA	NA	\$50	NA	NA	\$75	NA	NA	\$85	NA	NA
45000	\$45	NA	NA	\$55	NA	NA	\$80	NA	NA	\$90	NA	NA
46000	\$50	NA	NA	\$60	NA	NA	\$85	NA	NA	\$95	NA	NA
47000	\$55	NA	NA	\$65	NA	NA	\$90	NA	NA	\$100	NA	NA
48000	\$60	NA	NA	\$70	NA	NA	\$95	NA	NA	\$105	NA	NA
49000	\$65	NA	NA	\$75	NA	NA	\$100	NA	NA	\$110	NA	NA
50000	\$70	NA	NA	\$80	NA	NA	\$105	NA	NA	\$115	NA	NA
51000	\$75	NA	NA	\$85	NA	NA	\$110	NA	NA	\$120	NA	NA
52000	\$80	NA	NA	\$90	NA	NA	\$115	NA	NA	\$125	NA	NA
53000	\$85	NA	NA	\$95	NA	NA	\$120	NA	NA	\$130	NA	NA
54000	\$90	NA	NA	\$100	NA	NA	\$125	NA	NA	\$135	NA	NA
55000	\$95	NA	NA	\$105	NA	NA	\$130	NA	NA	\$140	NA	NA

**SELF-PROPELLED TRUCK CRANES**

Self-propelled truck cranes shall be allowed a maximum of 550 lbs. per inch width of tire without additional overweight fee, up to a maximum gross vehicle weight of 150,000 lbs. Anything over 150,000 lbs. gross vehicle weight will be charged at \$5/1,000 lbs. for single trip, \$10/1,000 lbs. for 30 day permit, or \$50/1,000 lbs. for seasonal permit.

Weights in excess of 550 lbs. per inch of tire shall be assessed a \$5/1000 lbs. for single trip, \$10/1000 lbs. for 30 day permit, or \$50/1000 lbs. for seasonal permit of additional weight per axle configuration.

## 2-14. Pilot Car Policy

**Purpose:** To establish a policy in the interest of public highway safety to show when pilot cars are required and what the requirements of the pilot car are when moving oversize and overweight loads.

**Policy Statement:** Cass County will require pilot cars as part of the permit conditions for the movement of vehicles and loads of extraordinary size and weight on the county highway system.

### Procedure:

A. The following factors determine when pilot cars are required:

1. Over-width movements

- a. All movements exceeding 14 feet 6 inches in overall width, but not exceeding 16 feet in overall width, shall have one pilot car precede the movement at a distance of 300 to 700 feet on two-lane highways. In lieu of the pilot car requirement, the over-width vehicle itself, or vehicle towing or hauling an over-width load, may be equipped with a lighted rotating or flashing amber light or lights that are visible from front and rear for a minimum of 500 feet.
- b. All movements exceeding 16 feet in overall width shall have one pilot car precede the movement at a distance of 300 to 700 feet and shall have one pilot car follow the movement at a distance of 300 to 700 feet on two-lane highways.

2. Over-length movements

- a. All movements exceeding 120 feet in overall length shall have one pilot car follow the movement at a distance of 300 to 700 feet.

3. Over-height movements

- a. All movements exceeding 18 feet in overall height shall have one pilot car precede the movement at a distance of 300 to 700 feet.

4. Over-weight movements

- a. All movements of self-propelled earthmoving equipment that are roaded shall have one pilot car follow the movement at a distance of 300 to 700 feet on all streets because of a maximum speed limit of 20 miles per hour.
- b. The county engineer may require one or two pilot cars on other over-weight movements that exceed the normal permissible weights.

B. Other factors determining when pilot cars are required:

1. Combinations of 1, 2, 3, or 4 above may require one or more pilot cars as determined by the county engineer.

C. Pilot Car Requirements

1. All vehicles used as pilot cars must meet the following requirements:
  - a. Vehicle must be a passenger vehicle or 2-axle truck only
  - b. Vehicle must meet requirements of Title 39 NDCC
  - c. Driver of the pilot car must have a valid driver's license and be 18 years of age or older.
  - d. 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.
  - e. There shall be radio communication between the pilot car(s) and the vehicle being escorted.
  - f. When not being used for an escort, all warning signs and lights must be completely covered or removed from the pilot car(s).
2. When operating in convoy, additional pilot cars will not be required provided that each unit in convoy keep at least 1,000 feet apart so as not to hamper passing traffic.
3. Radio communication will not be required when escorting self-propelled earthmoving equipment.