
SUBJECT: ORDINANCE #2005-3 AMENDED (OVER DIMENSION VEHICLE REGULATIONS)

ADOPTED DATE: FEBRUARY 17, 2026

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SECTION 1 – AN ORDINANCE TO REGULATE VEHICLE DIMENSIONS AND WEIGHTS ON CASS COUNTY HIGHWAYS

1-01 Purpose

This ordinance is made pursuant to North Dakota Century Code Chapter 39-12 and the Cass County, North Dakota Home Rule Charter. The ordinance classifies public highways under the jurisdiction of the Cass 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 Cass County Highway Department, or Cass County Sheriff's Office, upon application and payment of the appropriate charges and for good cause shown, may issue a special 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 ordinance upon a highway under the jurisdiction of the county. Every such permit shall designate the route to be traversed and may contain 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 law enforcement officer or agent in Cass County, North Dakota. It is a violation of the provisions of this ordinance for any person to violate any of the terms or conditions of such special permit. The Cass County Highway Department may adopt rules governing the movement of oversize and overweight vehicles.

An appropriate charge shall be made for each permit collected here under 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, Cass County Engineer and/or its designees or the Cass County Sheriff's Office may limit use of vehicles on highways

Whenever any highway may 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 Cass County Engineer and/or its designees 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 Cass County Engineer and/or its designees 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.

1-04 Width, height, and length of vehicles

A. Legal Width

- 1) 8'6" on all Cass County Highways
- 2) Exceptions
 - a. Construction and building contractors' equipment and vehicles used to move such equipment which does not exceed **10'** 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 lit.

B. Legal Height

- 1) 14', whether loaded or unloaded, unless routes of travel include structures such as bridges and underpasses that are not 14' 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 15'6" in height when being moved by resident farmers, ranchers, dealers, or manufacturers between sunrise and sunset. Nighttime travel is allowed provided the implements are properly lit.

C. Legal Length

- 1) A single unit vehicle with two or more axles, including the load thereon, shall not exceed a length of 50'
- 2) A combination of two, three, or four units, including the load thereon, may not exceed 110' in length when traveling on county highways.
- 3) The length of a trailer or semi-trailer, including the load thereon, may not exceed 53'.
- 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

- 1) The gross vehicle weight of any vehicle or combination of vehicles is determined by the following weight formula of
- 2) $W = 500 * (((L * N) / (N - 1)) + (12 * N) + 36)$

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 except that two consecutive sets of tandem axles may carry a gross load of 34,000 lbs. each, providing the overall distance between the first and last axles of the consecutive sets of tandem axles is at least 36'. The maximum gross vehicle weight on the county highway system is 105,500 lbs. **All routes are subject to standard weight limits under this regulation, except for those designated with a weight limit of 129,000 lbs.**

B. Axle weight on the Cass County Highway System

- 1) No single axle shall carry a gross weight of more than 20,000 lbs. Axles spaced 40" or less apart are considered one axle. Axles spaced 8' apart or over are considered as individual axles. (The gross weight of two individual axles may not exceed 40,000 lbs.) Spacing between axles shall be measured from axle center to axle center.
- 2) Axles spaced over 40" apart and less than 8' apart shall not carry a gross weight more than 17,000 lbs. per axle. The gross weight of three or more axles in a grouping may not exceed 48,000 lbs.
- 3) Spring Load Restrictions - 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

Class	Single Axle	Tandem Axle	3 or More Axle Groupings	Gross Vehicle Weight
Non-Restricted Truck Route	20,000 lbs.	34,000 lbs.	17,000 lbs. per axle not to exceed 48,000 lbs. gross weight on <u>divisible</u> loads	105,500 lbs. or the Bridge Length Formula if it is less
8-Ton	16,000 lbs.	32,000 lbs.	14,000 lbs. per axle not to exceed 42,000 lbs. gross weight on <u>divisible</u> loads	105,500 lbs. or the Bridge Length Formula if it is less
7-Ton	14,000 lbs.	28,000 lbs.	12,000 lbs. per axle not to exceed 36,000 lbs. gross weight on <u>divisible</u> loads	105,500 lbs. or the Bridge Length Formula if it is less
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.

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 single steering axle 550 lbs., or the Manufacturer’s max rated load (max tire load ratings can never be exceeded, even with an Over Dimensional Permit), whichever is less. The width of a tire for solid tires shall be the rim width. The width of pneumatic tires shall be the manufacturer’s width. Metric tire sizes are converted to inches by dividing millimeters by 25.4.

E. Permits for 10 percent winter exception

The Cass County Engineer/and/or its designees Cass County Highway Department or Cass County Sheriff's Office may issue permits authorizing a specific motor vehicle to exceed the weight limitations stated in Section 1-05 by 10%. The permits shall not provide for a gross weight of more than 105,500 lbs. The permits may provide for the general movement of products during the period provided by the Load Pass system unless spring load restrictions are put in effect. **These permits will only be issued through Load Pass.**

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 12" beyond the line of the fenders on the right side of such vehicle may be operated on the highways, except as permitted by section 1-04. The Cass County Highway Department or Law Enforcement Officer shall have authority to revoke permits when such holder violates or abuses the privilege or conditions of permit.

1-07 Law Enforcement Officers may weigh a vehicle to determine load - decreasing gross weight of vehicle

Every law enforcement 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 portions of the load as may be necessary to decrease the gross weight to the maximum allowed by the provisions of this ordinance.

1-08 Penalty for violation of ordinance

Any person violating any of the provisions of this ordinance must be assessed as a fee pursuant to N.D.C.C. 39-12-08. These fees are in addition to the applicable charges for extraordinary road use listed in section 1-16 of this ordinance in accordance with N.D.C.C. 39-12-17.

1-09 Impounding overweight vehicle

Any vehicle found to have been moved or used on any highway, in Cass County, ND at a weight exceeding the limitations specified in this ordinance or exceeding the limitations under N.D.C.C. 39-12 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, 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 1-13, 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 1-12, the owner, or the owner's driver or agent, may voluntarily pay the extraordinary road use fee, or may provide proof of surety coverage to ensure payment of the extraordinary road use fee, provided under section 1-16, 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 law enforcement officer or its 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 finance director.

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, electronic check, credit card, or cash is furnished in an amount sufficient to cover the charges for extraordinary use of Cass County Highways, as provided in section 1-16, together with the costs which may be collectible under any subsequent settlement made pursuant to section 1-13, 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 of this county at a weight in excess of the limitations imposed under the provisions of section 1-03 or as limited by the provisions of section 1-05, charges for the extraordinary use of the highways must be assessed pursuant to N.D.C.C. 39-12-17.

1-17 Payment of charges - Confiscation - Sale

If the charges and costs as provided in section 1-16 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 1-11 through 1-22.

1-18 Payment - Effect

The payment of charges may not be construed as payment for the future use of highways 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 finance director 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 under N.D.C.C. 39-12-21.

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 1-03 and 1-05 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 1-05, 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

2-01 Permit procedures:

Permits must be in possession prior to starting any movement. The Cass County Engineer and/or its designees or the Cass County Sheriff's Office has the authority to revoke permits when the holder violates or abuses the privilege or conditions of the permits.

Cass County will now be issuing permits through the LoadPass Permit System, administered by the Western Dakota Energy Association (WDEA), for the movement of oversized and/or overweight vehicles and loads.

A. Cass County Permits – LoadPass Website Only – www.loadpasspermits.com

- 1) Overwidth Permits
- 2) Overlength Permits
- 3) Single-Trip Overweight Permits
- 4) Annual Permits
- 5) Spring Load Restriction Permits
- 6) 10% Winter Weight Exemption/Frost Law Permits
- 7) 10% Fall Harvest Weight Exemption Permits
- 8) Special Mobile Equipment Permits – Varies

B. Cass County Permits – Not Available through LoadPass – But only on the Cass County Highway Department – Website

- 1) 129,000 lbs. Permit, Where Allowed - The fee for each single trip permit is \$20, 30-day permit is \$100, and the annual permit is \$700. Any additional credit card or electronic payment service charge fees would also apply. **This permit is only valid on the designated truck route map in this document.**
- 2) Truck Bridge Length Permit - The fee for each single trip permit is \$20, 30-day permit is \$100, The annual fee is \$500. Any additional credit card or electronic payment service charge fees would also apply. **This permit shall not be valid during spring load restrictions posted on highways.**

2-02 General travel restrictions.

Permits shall not be issued for over-dimensional movements between sunset and sunrise, unless approved by the County Engineer or Sheriff.

Permits shall not authorize movements when inclement weather prevails, highways are slippery, or when visibility is poor.

Permits do not authorize travel on shoulders of road. Permits shall apply to movement of one vehicle or one vehicle combination only.

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. Signage

- 1) All over dimensional vehicles and loads shall have minimum 18" x 18" red or bright orange flags displayed on the traffic side front and rear.
- 2) If approval has been granted to move equipment between sunset and sunrise, vehicles must be equipped with the society of automotive engineers- approved class 1 lights and reflectors, in addition to those required in the N.D.C.C. Chapter 39-21 and Code of Federal Regulations, Title 49, Part 393.
 - a. Clearance lights and clearance reflectors must be visible from the front, rear, and side, marking the outermost portion of the vehicle and load which extends beyond 8'6".
 - b. One rotating or two flashing amber lights shall be mounted above the cab and visible from the front and rear for a distance not less than 500' under clear atmospheric conditions at night. If lights on the cab are not visible to the rear, additional flashing amber lights are required at the rear.
- 3) When the overall length of an over dimensional movement exceeds 75' length and/or 8'6" in width, there shall be at least an 18" x 60" OVERSIZE LOAD sign on the front and rear. The lettering shall be black on yellow background. Letters shall be at least 8" high with 1" brush stroke. When the movement is over length only, exceeding 75' in overall length, a LONG LOAD sign that is a minimum 12" x 60" may be used instead of the OVERSIZE LOAD sign. The lettering shall be black on yellow background. The letters shall be at least 8" high with 1" brush stroke. The sign shall be covered or removed when the movement is not over dimensional.
- 4) When the load extends beyond the bed or body of the vehicle or trailer to the rear by 4' or more, the overhang shall be marked at the extreme end of the load with a 12" x 12" red flag during the day and a red clearance light during the night, if approved to be moved at night and shall be visible at a distance of 500'.

- 5) All commercial oversize vehicles must be equipped in accordance with the requirements and specifications of the Federal Motor Carrier Safety Regulations 49 CFR Parts 393 and 396.

B. Load Securement

- 1) 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. All loads shall be secured according to Federal Motor Carrier Safety Administration Regulations.

C) Towing

- 1) Towing vehicle must have two mirrors to reflect a rear view of 200' to the driver.

2-04 Pilot Car & Escort Requirements.

A. This requirement closely follows the NDDOT policies and procedures

- 1) The Cass County Engineer and/or its designees or the Cass County Sheriff's Office will require any over dimensional or overweight load to have a Pilot Car & Escort depending on the size of the load and the route traveled.

B. The following factors determine when pilot cars and police escorts are required

- 1) Overwidth movements.
 - a. All movements exceeding 14'6" in overall width but not exceeding 16' in overall width shall have one pilot car precede the movement by 300' to 700' on two-lane highways. On four-lane divided highways there are no pilot car requirements. In lieu of the pilot car requirement, the overwidth vehicle itself, or vehicle towing or hauling an overwidth 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'.
 - b. All movements between 16' and 19.99' in overall width shall have one pilot car preceding the movement by 300' to 700' and shall have one pilot car follow the movement by 300' to 700'.
 - c. All movements 20' and wider in overall width may be required to have a police escort as determined by the Cass County Sheriff's Office preceding the movement by 300' to 700' and shall have one pilot car follow the movement by 300' to 700'.

2) Overlength movements.

- a. All movements exceeding 120' of overall length shall have one pilot car follow the movement by 300' to 700'.

3) Overweight movements.

- a. All movements of self-propelled earthmoving equipment, or when piggybacking the front axle of a scraper on a jump trailer with the rear axle trailing on the ground, that exceed legal axle weights shall have one pilot car follow the movement by 300' to 700' on all highways because of a maximum speed limit of 20 miles per hour.
- b. The Cass County Engineer and/or its designees or the Cass County Sheriff's Office may require one or two pilot cars on other overweight movements that exceed the normal permissible weights.

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" in height and 60" 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 with 1- inch brush stroke. 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. All pilot cars not registered in this state shall be required to purchase temporary registration when escorting intrastate movements.
- g. 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) Due to OSHA requirements, radio communication will not be required when escorting self-propelled earthmoving equipment.

D. Police Escorts

- 1) Police Escorts can be obtained by contacting the Cass County Sheriff's Office at 701-241-5800.
 - a. A minimum of 5 Business days is required prior to movement.
 - b. A 24-hour cancelation notice is required.
 - c. An additional fee will be required for an escort. The escort fee will be determined by the Cass County Sheriff's Office.

2-05 General size limitations

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.

All movements exceeding 18' in height must have written authority from utility companies to travel under overhead wires. All vertical clearances shall be the responsibility of the permittee.

Towed vehicles such as rock crushers or conveyors are subject to permits if the length of the towed vehicle exceeds 60'.

Road construction may limit over width movements to 12' in width, or less, on some highways.

2-06 General conditions for all overweight movements

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 an attached blade is considered one piece. If the blade is detached, it cannot be hauled on the same load.

Overweight permits are not valid for movement on flexible pavements when the atmospheric temperature is 85° F or above. Cass County will use NDAWN website as a reference at: <https://ndawn.ndsu.nodak.edu/> using the Fargo NDAWN station.

2-07 Government and emergency vehicles

Governmental road maintenance equipment, North Dakota National Guard equipment, and emergency vehicles will be permitted on individual specifications or where emergencies are necessitated.

2-08 Liability of permittee

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 person 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.

The applicant or permittee agrees to indemnify and hold harmless the Cass County, its officers and employees from all claims resulting directly or indirectly from the movement of an oversize and/or overweight vehicle or load on any county highway.

SECTION 3 - AN ORDINANCE TO REGULATE VEHICLE WEIGHTS ON SELECT CASS COUNTY HIGHWAYS - 129,000 LBS PERMIT ORDINANCE.

3-01 Purpose

To establish guidelines when permits may be issued for divisible loads exceeding 105,500 pounds gross vehicle weight but not exceeding 129,000 pounds gross vehicle weight on designated permissible routes.

3-02 Ordinance statement

As authorized by section 39-12-05.3 NDCC and Article 38-06 NDAC, the North Dakota Highway Patrol (NDHP) in cooperation with the North Dakota Department of Transportation (NDDOT), and Cass County may exempt vehicles to exceed a gross weight of 105,500 pounds not to exceed 129,000 pounds. Cass County may issue single trip, 30-day, or annual permits on designated county highways. The highways of travel will be determined by the Cass County.

The following procedures outline the requirements and methods for issuing these permits.

3-03 Procedure

A. Permit Requirements

- 1) A permit must be in possession prior to starting any movement. The permit will contain restrictions as deemed necessary by Cass County. Permits may be revoked by the County when the permit holder violates any privileges or conditions of a permit.
- 2) Permits will be sold as a single trip, 30-day, or annual.
 - a. Single trip permits are valid for multiple movements made in one 24-hour period or a one-way trip not to exceed three days.
 - b. Annual permits are valid for a 12-month period from the date of issuance.

B. Weight Limitations

- 1) Vehicle shall have enough axles and bridge length using the inner and outer bridge formula.
- 2) All axle combinations, groups, spacing & weights shall be legal according to the North Dakota Highway Patrol Axle Weight Limitations Chart.
- 3) Tires shall be legal and shall not exceed 550 lbs. per inch width of tire.

C. Travel Restrictions

- 1) This permit is for a specific route which cannot be altered. If route is altered, the permit shall be void.
- 2) No single trailer shall exceed 53', and cargo carrying length shall not exceed 100'.
- 3) Failure to comply with this permit makes this permit null and void.
- 4) This permit does not authorize travel on shoulders of road.
- 5) Single trip permits shall apply to movement of one vehicle combination only.
- 6) A single trip permit is valid for a one-way load movement.
- 7) This permit does not validate equipment, speed, axle configuration or other types of safety and road readiness requirements imposed by federal and state laws. The issuance of this permit is not evidence that the Cass County Highway Department has, in any manner, authorized, approved or inspected the vehicle for which it is issued.
- 8) The County reserves the right to cancel this permit at any time. A prorated refund will be made to the applicant in the event of cancellation.
- 9) The 129,000 lbs. permit does not authorize travel on other local roads.
- 10) When overall length exceeds 75', a 12" x 60" long load sign is required.
- 11) Over-dimensional load movements do not qualify for this permit.
- 12) Permit must be in possession prior to starting any movement.
- 13) This permit will not be valid during spring load restrictions (frost law). No Exceptions.
- 14) Permit cannot be used in conjunction with the 10 percent wintertime weight exemption permit.

D. Registration Requirement

- 1) The vehicle shall be registered for 105,500 lbs. GVW, or more. Total vehicle gross weight shall not exceed 129,000 lbs.

E. Application Procedure

- 1) Information required when obtaining permits:
 - a. Company name, address, and telephone number.
 - b. Description of power unit: year, make, license number and state, VIN number, and ND registered gross vehicle weight (when applicable).
 - c. In the "Remarks Section," show time frame the permit is valid.
- 2) Information required when obtaining a single trip permit:
 - a. Company name, address, and telephone number.
 - b. Description of power unit: year, make, license number and state, VIN number, and ND registered gross vehicle weight (when applicable).
 - c. Description of load.
 - d. Total number of axles, number of tires per axle, tire width (reading from tire sidewall), and bridge lengths.
 - e. Point of origin and destination.
 - f. Date(s) of movement (if 24-hour period, show start and end time).
- 3) Single trip, 30-day, or annual permits can be obtained from the Cass County Highway Department website.
- 4) The fee for each single trip permit is \$20, 30-day permit is \$100, and the annual permit is \$700.

Maximum Weights allowed up to 129,000 lbs. on Designated Permittable Routes

Distance in feet between The extremes of any groups of 2 or more consecutive Axles	2 Axles	3 Axles	4 Axles	5 Axles	6 Axles	7 Axles	8 Axles	9 Axles	10 Axles	11 Axles	12 Axles	13 Axles
4	34,000											
5	34,000											
6	34,000											
7	34,000	34,000										
8	38,000	42,000										
9	40,000	43,000										
10		43,500										
11		44,500										
12		45,000	50,000									
13		46,000	50,500									
14		46,500	51,500	57,000								
15		47,500	52,000	57,500								
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	98,000			
34			64,500	69,500	74,500	80,000	85,500	91,000	98,500			
35			65,500	70,000	75,000	80,500	86,000	91,500	99,000			
36			66,000	70,500	75,500	81,000	86,500	92,500	99,500			
37			66,500	71,000	76,000	81,500	87,000	93,000	100,000	106,000		
38			67,500	72,000	77,000	82,000	87,500	93,500	100,500	106,500		
39			68,000	72,500	77,500	83,000	88,500	94,000	101,000	107,000		
40			68,500	73,000	78,000	83,500	89,000	94,500	102,000	107,500		
41			69,500	73,500	78,500	84,000	89,500	95,000	102,500	108,000		
42			70,000	74,500	79,000	84,500	90,000	95,500	103,000	108,500		
43			70,500	75,000	80,000	85,000	90,500	96,000	103,500	109,000		
44			71,500	75,500	80,500	85,500	91,000	97,000	104,000	110,000	114,000	
45			72,000	76,000	81,000	86,500	91,500	97,500	104,500	110,500	114,500	
46			72,500	77,000	81,500	87,000	92,500	98,000	105,000	111,000	115,000	
47			73,500	77,500	82,000	87,500	93,000	98,500	105,500	111,500	115,500	
48			74,000	78,000	83,000	88,000	93,500	99,000	106,000	112,000	116,000	122,000

Maximum Weights allowed up to 129,000 lbs. on Designated Permittable Routes

Distance in feet between The extremes of any groups of 2 or more consecutive Axles

	2 Axles	3 Axles	4 Axles	5 Axles	6 Axles	7 Axles	8 Axles	9 Axles	10 Axles	11 Axles	12 Axles	13 Axles
48			74,000	78,000	83,000	88,000	93,500	99,000	106,000	112,000	116,000	122,000
49			74,500	78,500	83,500	88,500	94,000	99,500	107,000	112,500	116,500	122,500
50			75,500	79,500	84,000	89,000	94,500	100,000	107,500	113,000	117,000	123,000
51			76,000	80,000	84,500	90,000	95,000	100,500	108,000	113,500	118,000	123,500
52			76,500	80,500	85,000	90,500	95,500	101,500	108,500	114,000	118,500	124,000
53			77,500	81,000	86,000	91,000	96,500	102,000	109,000	115,000	119,000	124,500
54			78,000	82,000	86,500	91,500	97,000	102,500	109,500	115,500	119,500	125,000
55			78,500	82,500	87,000	92,000	97,500	103,000	110,000	116,000	120,000	125,500
56			79,500	83,000	87,500	92,500	98,000	103,500	110,500	116,500	120,500	126,000
57			80,000	83,500	88,000	93,500	98,500	104,000	111,000	117,000	121,000	127,000
58				84,500	89,000	94,000	99,000	104,500	112,000	117,500	121,500	127,500
59				85,000	89,500	94,500	99,500	105,000	112,500	118,000	122,000	128,000
60				85,500	90,000	95,000	100,500	105,500	113,000	118,500	122,500	128,500
61				86,000	90,500	95,500	101,000	106,000	113,500	119,000	123,000	129,000
62				87,000	91,000	96,000	101,500	107,000	114,000	119,500	124,000	
63				87,500	92,000	97,000	102,000	107,500	114,500	120,000	124,500	
64				88,000	92,500	97,500	102,500	108,000	115,000	121,000	125,000	
65				88,500	93,000	98,000	103,000	108,500	115,500	121,500	125,500	
66				89,500	93,500	98,500	103,500	109,000	116,000	122,000	126,000	
67				90,000	94,000	99,000	104,500	109,500	117,000	122,500	126,500	
68				90,500	95,000	99,500	105,000	110,000	117,500	123,000	127,000	
69				91,000	95,500	100,500	105,500	111,000	118,000	123,500	127,500	
70				92,000	96,000	101,000	106,000	111,500	118,500	124,000	128,000	
71				92,500	96,500	101,500	106,500	112,000	119,000	124,500	128,500	
72				93,000	97,000	102,000	107,000	112,500	119,500	125,000	129,000	
73				93,500	98,000	102,500	107,500	113,000	120,000	126,000		
74				94,500	98,500	103,000	108,000	113,500	120,500	126,500		
75				95,000	99,000	104,000	109,000	114,000	121,000	127,000		
76				95,500	99,500	104,500	109,500	114,500	122,000	127,500		
77				96,000	100,000	105,000	110,000	115,000	122,500	128,000		
78				97,000	101,000	105,500	110,500	116,000	123,000	128,500		
79				97,500	101,500	106,000	111,000	116,500	123,500	129,000		
80				98,000	102,000	106,500	111,500	117,000	124,000			
81				98,500	102,500	107,000	112,000	117,500	124,500			
82				99,500	103,000	108,000	113,000	118,000	125,000			
83				100,000	104,000	108,500	113,500	118,500	125,500			
84					104,500	109,000	114,000	119,000	126,000			
85					105,000	109,500	114,500	120,000	127,000			
86					105,500	110,000	115,000	120,500	127,500			
87					106,000	111,000	115,500	121,000	128,000			
88					107,000	111,500	116,000	121,500	128,500			
89					107,500	112,000	117,000	122,000	129,000			
90					108,000	112,500	117,500	122,500				
91					108,500	113,000	118,000	123,000				

Maximum Weights allowed up to 129,000 lbs. on Designated Permittable Routes

Distance in feet between The extremes of any groups of 2 or more consecutive Axles

	2 Axles	3 Axles	4 Axles	5 Axles	6 Axles	7 Axles	8 Axles	9 Axles	10 Axles	11 Axles	12 Axles	13 Axles
91					108,500	113,000	118,000	123,000				
92					109,000	113,500	118,500	123,500				
93					110,000	114,000	119,000	124,000				
94					110,500	115,000	119,500	125,000				
95					111,000	115,500	120,000	125,500				
96					111,500	116,000	121,000	126,000				
97					112,000	116,500	121,500	126,500				
98					113,000	117,000	122,000	127,000				
99					113,500	118,000	122,500	127,500				
100					114,000	118,500	123,000	128,000				
101					114,500	119,000	123,500	129,000				
102					115,000	119,500	124,500					
103					116,000	120,000	125,000					
104					116,500	120,500	125,500					
105					117,000	121,500	126,000					
106					117,500	122,000	126,500					
107					118,000	122,500	127,000					
108					119,000	123,000	127,500					
109					119,500	123,500	128,500					
110					120,000	124,000	129,000					

Designated Permittable Routes Exceeding 105,500 lbs. up to 129,000 lbs. on Cass County, ND Highways 10, 23 & 30.



SECTION 4 – AN ORDINANCE TO REGULATE VEHICLE WEIGHTS ON ALL CASS COUNTY HIGHWAYS - BRIDGE LENGTH PERMIT ORDINANCE.

4-01 Purpose

To establish guidelines when permits will be issued for legal size divisible load vehicles exceeding axle weight limitations allowed on Cass County highways.

4-02 Ordinance statement

As authorized by NDCC 39-12-05.3, subsection 8, the North Dakota Highway Patrol (NDHP), in cooperation with North Dakota Department of Transportation (NDDOT), may exempt certain vehicles from axle grouping gross weight limitations. The NDHP, NDDOT and Cass County may designate routes to be traveled by those vehicles exempted due to bridge or other structure restrictions. The Cass County shall issue an annual bridge length permit for all vehicles to be exempted. The Cass County has the authority to inspect the vehicles and may revoke the permits at any time if the vehicles have been altered.

4-03 Procedure

A. Vehicle Requirements

- 1) Vehicles must have enough axles and bridge lengths for gross vehicle weights as shown on the Bridge Length Axle Weight Limitations Chart.
- 2) No tire shall exceed 550 pounds per inch width of tire.
- 3) On a vehicle equipped with more than 4 axles, additional axles shall be steerable, castering, or pivoting axles.
- 4) Vehicles manufactured after July 31, 2005, and with more than one variable load, suspension or lift axles shall have the lock or pressure regulator valve or both located outside the cab and inaccessible from the driver's compartment.
- 5) Tires and axle weights must be legal.
- 6) The maximum gross vehicle weight for a bridge length permit may not exceed 80,000 lbs. on the Cass County Highway system. All maximum gross vehicle weights are subject to the Bridge Length Formula. Maximum gross vehicle weight is either the maximum allowed as per designation of the roadway or the bridge length formula calculation, whichever is the least amount of weight allowed.

7) Vehicles must be registered for the gross weight of the vehicle and load.

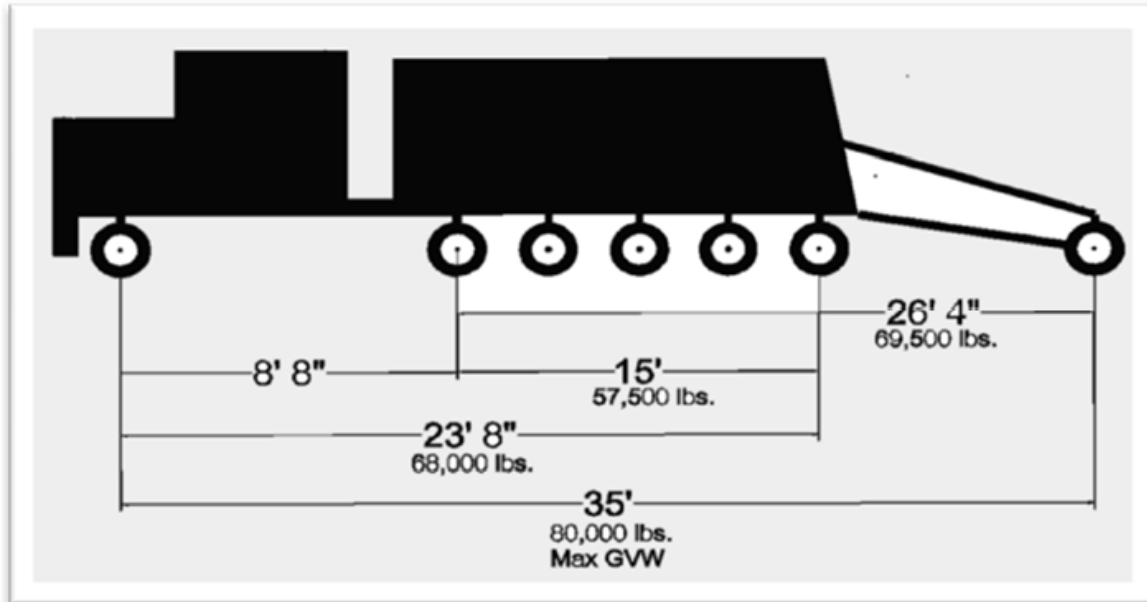
B. Travel Restrictions

- 1) Permit must be in possession prior to starting any movement.
- 2) Bridge Length Permits are not valid during spring weight restrictions.
- 3) The Bridge Length Permit cannot be used in conjunction with the 10 percent wintertime weight exemption permit.

C. Application Procedure

- 1) An application for a bridge length permit shall be completed on Cass County ND website as follows: <https://www.casscountynd.gov/our-county/highway>
 - a. Owner's name, address, telephone and fax number.
 - b. Vehicle description: year, make, model, serial number, license number, assigned unit number and registered gross vehicle weight.
 - c. Number of axles, axle spacing, number of tires and tire size.
 - d. Approved weight.
- 2) The Bridge Length Permit will be issued to vehicles that qualify and are approved by the Cass County for the axle weight exemption. The annual fee is \$500.
- 3) The annual Bridge Length Permit expires December 31 of the year it is issued. Bridge Length Permits will not be valid during spring weight restrictions.
- 4) Vehicles approved for the Bridge Length Permit are subject to inspection and weighing at the discretion of any peace officer or County designee. Alteration of equipment previously approved for exemption voids the Bridge Length Permit.

Sample Truck Configuration that can be approved for Bridge Length Permit



- 5) 5 Axle Grouping = 57,500 lbs. with bridge permit, depends on the spacing of the individual axles within the 5-axle grouping – 48,000 lbs.
 - a. Steering Axle = 16.7" tires = 18,370 lbs. or Manufacturer's rated tire weight, whichever is less.
 - b. Stinger Single Axle = 11" tires = 12,100 lbs. or Manufacturer's rated tire weight, whichever is less.
 - c. Tire Width = No tire shall exceed 550 lbs. per inch width of tire.
 - d. Maximum Gross Vehicle Weight = No Vehicle shall exceed 105,500 lbs. on Cass County Highways. All maximum gross vehicle weights are subject to the Bridge Length Formula. Maximum gross vehicle weight is either the maximum allowed as per designation of the roadway or the bridge length formula calculation, whichever is the least amount of weight allowed.

Distance in feet between The extremes of any groups 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	34,000						
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	57,000				
15		47,500	52,000	57,500				
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	80,000	
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	80,000
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			66,000	70,500	75,500	81,000	86,500	92,500
37			66,500	71,000	76,000	81,500	87,000	93,000
38			67,500	72,000	77,000	82,000	87,500	93,500
39			68,000	72,500	77,500	83,000	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	74,500	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

Distance in feet between The
extremes of any groups of 2 or

more consecutive Axles	2 Axles	3 Axles	4 Axles	5 Axles	6 Axles	7 Axles	8 Axles	9 Axles
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			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			

