



**REQUEST FOR BID**

Equipment:	One (1), 28 Cubic Yard, Front/Top Loading Refuse Truck
Bid Opening Date & Time	March 17, 2025 10:30 AM MDT
Purchaser:	Solid Waste/Recycling Department
Address of bid acceptance and opening:	City of Dickinson Public Works Facility 3411 Public Works Boulevard Dickinson, ND 58601
Contact:	Daniel Locke Solid Waste/Recycling Manager 701-456-7016 daniel.locke@dickinsongov.com
Clarifications, Bid Changes, Waivers and Questions Deadline	March 5, 2025

ADVERTISEMENT FOR PROPOSALS  
FOR  
SOLID WASTE/RECYCLING DEPARTMENT

ONE (1) 28 CUBIC YARD, FRONT/TOP LOADING REFUSE TRUCK

CITY OF DICKINSON  
February, 2025

Sealed proposals will be received by the City of Dickinson, North Dakota at the Public Works Facility, Attn: Administrative Assistant, 3411 Public Works Boulevard, until 10:30 AM MDT, March 17, 2025 for the purchase of one (1), 28 Cubic Yard, Front/Top Loading Refuse Truck, at which time the proposals meeting bid requirements will be opened and read. Any proposal received after this time will be returned, unopened, to the bidder. The proposals will be considered at a subsequent regular meeting of the Dickinson City Commission.

Bids must be submitted on the forms and pursuant to the specifications furnished by the City of Dickinson and in accordance with all terms and conditions contained therein.

All proposals will be on the basis of cash payment for the items provided and accepted as stipulated under the bid documents and minimum specifications. Cash payment will be made within sixty (60) days of delivery. Copies of the bid documents and specifications may be obtained from Public Works Administrative Assistant at the Public Works Facility, 3411 Public Works Boulevard, 701 456-7979.

Each bid must be accompanied by a Bid Bond or Cashier's Check payable to the owner for five percent (5%) of the total amount of the bid. The bond or Cashier's Check will be held as a guarantee of good faith and terms of the bid, if accepted.

The City of Dickinson reserves the right to reject any and all bids, to waive informalities in any bid, to hold bids under consideration for a period of not to exceed sixty (60) days from said date of opening of bids, and to accept the bid that is deemed to be in the best interest of the City of Dickinson.

Dated this 20<sup>th</sup> day of February, 2025.

CITY OF DICKINSON, NORTH DAKOTA

Dustin Dassinger  
City Administrator

Published February 26<sup>th</sup> and March 5<sup>th</sup>

## **BIDDERS INSTRUCTIONS:**

- **Bids must be submitted on City of Dickinson form only.**
- **Indicate Make and Model being bid in the space provided.**
- **Indicate compliance to the specifications on the "YES/NO" space.**
- **Indicate any deviations from the specifications in the "OFFERED" space.**
- **Attach "Exception(s) to Bid Conditions and Specifications" if needed.**
- **Initial in ink EACH page of the specifications, including General Specifications, Specifications of Warranty Coverage, and Detailed Specifications.**
- **Include Delivery Date on line provided.**
- **Sign the proposal page in ink.**
- **Place bid in sealed envelope as described in General Specifications.**
- **Electronic or Facsimile Bids will not be accepted unless prior written authorization is obtained from the contact person listed on the cover page.**
- **RETURN THIS ENTIRE BID PACKAGE WITH BID RESPONSE SHEET.**
- **Bid proposals must be received at the Public Works Facility, Attn: Administrative Assistant, 3411 Public Works Boulevard, Dickinson, ND 58601 prior to the bid opening time. Late proposals will not be considered.**

**Vehicles shall be equipped with all advertised standard factory equipment unless otherwise specified, meet Federal Government requirements, and include, but not be limited to the following:**

## General Specifications

1. Proposals may be rejected if they show additions not called for, conditional or alternate bids, incomplete bids, irregularities of any kind or if they contain a clause in which the bidder reserves the right to accept or reject a contract awarded to them.
2. No proposal will be considered unless accompanied by a bidder's bond or a certified check of the bidder on a solvent North Dakota bank in an amount equal to five (5) percent of the bid, made payable to the City of Dickinson, which bond or check will be forfeited to the City of Dickinson should the bidder fail to effect a contract. The Bid Bond or Cashier's Check must be enclosed in a separate sealed envelope attached to the outside of the sealed envelope containing the bid. Any proposal submitted without the bond envelope attached to the outside of the bid envelope shall be returned unopened to the bidder. Each bid must be submitted in a separate envelope and be clearly marked as to which bid is enclosed.
3. The total price is to include all discounts and deductions and is to be less federal excise tax for which exemption certificate will be furnished upon request. Proposals may contain factory or dealer incentives.
4. Purchases by the City of Dickinson are not subject to the North Dakota State Sales Tax for which exemption certificate will be furnished upon request. The City of Dickinson's sales tax exemption number is E-4132.
5. The City of Dickinson reserves the right to waive any of the specifications as is deemed necessary for the best interest of the City of Dickinson or are found not to comply with government regulations.
6. Awards will be made based on the best value offered based upon the City's evaluation of all accepted bids, including any factory or dealer incentives. Clauses requiring specific guarantees to cover parts delivery, total repairs, and resale value may be included. The quality of the articles to be supplied, their conformity with the specifications, their suitability to requirements, delivery terms, and guarantee clauses shall be taken into consideration.
7. The City of Dickinson reserves the right to reject any and all bids, to waive technicalities or informalities in any bid and to hold bids under consideration for a period of not to exceed sixty (60) days from said date of opening of bids, and to accept the bid that is deemed to be in the best interest of the City of Dickinson.
8. All proposals will be on the basis of cash payment for the items provided and accepted as stipulated under the bid documents and minimum specifications. Cash payment will be made within sixty (60) days of delivery.
9. The bidder shall maintain a store or branch within 350 miles of Dickinson staffed with qualified service personnel, with provisions for storing a representative supply of parts for the machine offered and provisions for securing parts from the manufacturer within a reasonable length of time.
10. The successful bidder must maintain an open charge account for the City of Dickinson for the entire duration the City owns the items purchased.
11. The right is reserved to cancel any and all awards under this letting for the failure to make delivery by the date quoted in the bid.

## General Specifications

12. Delivery shall be a maximum of twelve (12) months from the date the City places the order, unless a longer period is approved by the City in writing prior to awarding the bid.
13. The bidder shall submit Detailed Manufacturer's Specifications, sales literature, and warranty details along with this proposal and upon acceptance, same shall become a part of these specifications as if originally contained herein, in so far as they don't conflict with these specifications. In the event of a conflict between the General Specifications, Detailed Manufacturer's Specifications, and the Detailed Specifications, the latter will govern.
14. Where it is not readily determinable to the City as to the accessories included or not included, the bidder shall attach to the proposal a complete statement listing this information.
15. The Detailed Specifications list all items/features desired by the City of Dickinson. In the event that a manufacturer or bidder cannot or will not furnish any items/features as called for by the City, the City will assess a specific value on this item or feature and add this amount to the bid price of the equipment bid to determine the total cost of the vehicle.
16. The successful bidder will be required to provide on the job type training for up to two days to instruct City personnel in proper safe operation, lubrication and maintenance for the new vehicle/equipment purchased.
17. The unit to be bid under this advertisement shall be a new current production model of the latest design meeting the specifications provided herein. Bidder may bid a new, unused prior-year model upon written pre-approval of the purchasing agent.
18. The bidder shall list on a separate sheet of paper any variations from, or exceptions to, the conditions and specifications of this bid. This sheet shall be labeled "Exception(s) to Bid Conditions and Specifications," and shall be attached to the bid.
19. All components must be new.
20. The successful bidder must furnish operator's manual, parts manual with exploded views and complete service and repair manual for all components. All manuals shall be paper hard copy and on digital media. If on-line manuals are also available, access must be at no cost to the City of Dickinson for the life of the equipment.
21. Vehicle must be delivered to the City of Dickinson Public Works Facility at 3411 Public Works Boulevard during normal business hours clean and ready to operate. The successful bidder shall schedule the delivery date and time at least one (1) working day in advance with the contact person listed on the cover page.
22. Vehicle/equipment must be test driven and all functions must be tested to make sure they work properly, and that there are no fluid leaks. All vendor installed attachments to be greased/lubricated. Vehicle must pass a final inspection performed by City employees before acceptance.
23. All fluid levels shall be filled to normal operating levels.
24. Fuel and DEF tanks shall be full.

## General Specifications

25. A Certificate of Origin shall be delivered to the City at the same time the vehicle is delivered to the City to enable licensing the vehicle as a government vehicle.
26. A list of all consumables and common wear parts must be provided with the vehicle. This must have all filters or other consumable parts listed in a table format listing the part number along with a description of the part and what component or system it is related to.
27. Any irregularities, lack of clarity, requested bid changes, and all questions regarding this bid and the procurement process must be addressed to the contact listed on the cover page no later than the end of the business on the date listed on the cover page. If a bid amendment is required it will normally be issued after this date.

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## Specifications of Warranty Coverage

1. The successful bidder will be fully responsible for the total cost of all repairs (parts and labor) to the vehicle as listed in the detailed specifications, from the date of delivery. Bidder shall include all warranty details as part of their bid proposal. The successful bidder shall provide their own mechanic and tools for such work as they may desire to do in the field, in the bidder's shop, or in the City of Dickinson Fleet Maintenance Shop if it has space available to accommodate the vehicle. The City will promptly notify the successful bidder or an authorized agent of their firm when repairs are necessary.
2. The City of Dickinson will assume, at its expense, all costs to repair or replace all parts and components normally consumed in day-to-day operations.
3. Any mileage, zone, or other travel expenses shall be fully covered by warranty.
4. The City of Dickinson will maintain the Front/Top Loading Refuse Truck in accordance with manufacturer's recommendations.
5. The successful bidder will perform all major periodic inspections and adjustments prescribed in the maintenance schedule, with all costs covered by the bidder.
6. The successful bidder has the right to inspect the Front/Top Loading Refuse Truck during normal City of Dickinson working hours and make recommendations for repairs, improved maintenance, etc. in keeping with the requirements stated by the manufacturer in the shop manual for the maintenance and repair of the equipment.
7. Specific warranty requirements may appear in the Detailed Specifications.
8. Rules governing repairs and maintenance performed under warranty:
  - a) Costs of transportation of the vehicle to and from the repair site will be a part of the dealer cost. Repair parts shall be Original Equipment Manufacturer's.
  - b) Repairs may be made in service departments other than that of the successful bidder or the City of Dickinson; however, the successful bidder and the City of Dickinson must agree to repairs being made in other service departments and the service department chosen must be agreeable to both parties. All costs are to be covered by the successful bidder as if the repairs were completed by the bidder.
9. The City of Dickinson shall have the right to sell, lease, trade or otherwise dispose of the vehicle; however, if such action is taken, the successful bidder shall not be further bound by the provisions of this contract.

**TANDEM AXLE TILT CAB TRUCK**

**General Information:**

All equipment and installation by the successful bidder must be complete in every aspect of the following specifications. The painting of all installed components and accessories shall be complete and absolute, including primer. All minor items including, but not limited to, conduit, connectors, tape, paint, fittings, fuses, etc. are the responsibility of the bidder. When specifications do not clearly identify the proper installation or it is obvious there is an error, the contact person listed on the contact page must be contacted for direction. A plan for mounting locations of dealer-mounted components or accessories must be submitted to the City of Dickinson for approval. It shall be the responsibility of the installer to relocate OEM and non-OEM components to accommodate the accessories if required. Frame modifications to accommodate components or accessories are not acceptable. Any systems such as hydraulic or system controls are to be from one common supplier or source. No additional monetary amount will be allowed.

**CURRENT PRODUCTION YEAR, CAB AND CHASSIS TRUCK  
MINIMUM BID SPECIFICATIONS**

Yes No Offered

This specification describes the truck chassis that must be supplied to the body manufacturer. The truck chassis manufacturer shall furnish to the body manufacturer the required wheel base and cab to trunion dimensions as specified by the body manufacturer. Truck configuration: refuse service; front/top-loading refuse truck; road surface: rough, maintained, or concrete/asphalt; maximum 5% off-highway terrain; domicile: USA 49 states. Body width for mirrors: 102". Accessories not specifically mentioned but necessary to furnish a complete truck unit ready to use, shall also be included. The truck unit shall conform to the best practices known to the truck trade in design and quality of materials.

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**MODEL**

Tilt cab tandem axle cab and chassis, 66,000 GVW.

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**ENGINE**

380 hp; minimum of 1250 ft/lb. @ 1400 RPM diesel, Wet sleeve 6 cylinder design, Tier IV final.

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Alternator: 160 Amp or larger.

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Batteries: (3) 12V 2100 CCA with stud posts.

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Battery disconnect switch mounted in front of or on battery box.

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Compressor: 18 CFM or larger, gear driven with air intake from clean side of engine air filter.

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Exhaust: Vertical with diffuser.

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*Handwritten signature*



Detailed Specifications

	Yes	No	Offered
Heavy duty coolant: Extended life precharged SCA to -30F.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Engine heater: 120V.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Air cleaner: 2 stage high capacity with safety element and restriction indicator. Shall include a pre-cleaner ECG.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Radiator: Maximum cooling capacity. PTO opening in radiator is required by body manufacturer.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Fuel filters: Spin-on Primary, Secondary, and Water separator.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Front crankshaft PTO adapter.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
2 speed fan clutch: Shall have a dash mounted manual override switch to allow for continuous operation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

**TRANSMISSION**

Transmission: Allison HD 4500 RDS Rugged Duty 6 Speed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Transmission oil cooler.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

**FRONT AXLE & SUSPENSION**

Front axle: Minimum 20,000 lbs.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Front springs: Flat leaf @ 23,000 lbs.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Front heavy-duty shock absorbers.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Dual power steering gear.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

**REAR AXLE & SUSPENSION**

Driver controlled differential lock for both axles.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Driver controlled inter-axle lock.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Rear axle ratio as required for maximum highway speed of 68 MPH.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Rear suspension: Hendrickson HMX-EX 54" or equal. Minimum 46,000 lb.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

Detailed Specifications

**BRAKE SYSTEM**

	Yes	No	Offered
Air dryer: Heated Bendix AD-IS-EP model	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
All air tank drain valves centrally located.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Drum Brakes Front: 16.5" x 7"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Drum Brakes Rear: 16.5" x 8.625"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Refuse service brakes on steer and drive axles, upsize parking brake.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Dust shields for drum brakes.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Flipper valve to activate front and rear brakes. Needed for refuse service application. Truck does not tow trailers.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Parking brake chambers: Both rear axles.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

**FRAME**

The chassis frame shall be straight frame with full liner. Zinc coated.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Wheelbase: Verify with body manufacturer.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Frame overhang: Verify with body manufacturer.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

**CHASSIS**

Front tow Device: 2 Frame mounted extra heavy-duty tow hooks.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Rear tow Device: 2 Frame mounted extra heavy-duty tow hooks.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

**FUEL TANKS**

Fuel tank: 80 Gallon or Larger. Aluminum. Top of tank should be 5" below top of frame.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Artic wrap on all fuel lines.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

**SUSPENSION, TIRES & WHEELS**

Front wheels: 315/80/R22.5, 20 ply, hub piloted aluminum with Michelin XZUS2 or approved equal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
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Detailed Specifications

Yes No Offered

Front oil hubs with oil level window.

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Rear wheels: 315/80/R22.5, 20 ply, hub piloted Accuride steel painted white with Michelin XWORKS Z or approved equal.

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**CAB EXTERIOR**

Cab forward design. LH Drive, air assist pump over hydraulic tilt cab.

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Fenders: Full coverage fenders with rubber fender flares.

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Grab handles: LH/RH. Driver side interior handle should be high visibility.

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Horns: Air and electric mounted under cab.

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Primary mirrors: Power adjusted, heated, left and right.

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Auxiliary mirrors: LH 8"/RH 8" convex mounted above primary mirrors. Heated.

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All Glass: Tinted.

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Grille: Stainless Steel with bug screen and detachable vinyl winter front.

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Dual door stops on both doors.

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Full length stainless steel piano type door hinges.

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Door windows: Left and right, electrically operated.

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Front cab guard with ladder: full height to protect windows.

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**CAB INTERIOR**

Fully insulated and sound deadened.

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Interior: Deluxe gray vinyl.

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High output heater and defroster with air conditioning.

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Driver and passenger seats: Low profile, high back. Mordura or cloth. Bostrom Talladega 915 air ride suspension or equivalent.

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Sun visors: LH and RH.

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Auxiliary fans: Two fans to be roof mounted center of cab directed toward windshield.

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Detailed Specifications

	Yes	No	Offered
Cabin air filter.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Tilt steering column with maximum 16" steering wheel diameter.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Arm Rests. Door mounted. LH & RH	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Instrument panel shall have full instrumentation including hour meter, transmission temperature, air filter restriction gauge, fault code display.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Radio: AM/FM with antenna mounted so as not to interfere with cab shield of body. Radio mute while truck is in reverse.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Fused power supply for business band radio: run to dash at center of cab and to cab roof at center of cab.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Additional Switches: (2) in dash, lighted, fused at 15 amps.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Circuit protection: Must have self-resetting circuit breakers.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Windshield wipers with intermittent control and windshield washer.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

**ELECTRICAL**

Turn Signals: Self-canceling with electronic flasher.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Body builder box on rear of frame to include all necessary lighting circuits and other wiring as required by body builder.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
All lighting except headlight shall be LED.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Exterior light test: cycle all exterior lights for pre-trip inspection.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Back-up alarm: Constant 107DB.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

**PAINT**

Cab color: Base/Clear, Bright White (Imron L0006EB) or equivalent.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Chassis color: Black. Undercoating where possible.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Wheel hubs: Black.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

Detailed Specifications

**WARRANTY**

Structural components of Cab: 5 year/150,000 miles.

Yes  No  Offered \_\_\_\_\_

Frame rails, gussets and cross-members: 5 year/unlimited.

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Engine – 5 year/150,000 miles

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Exhaust after-treatment - 5 year/150,000 miles

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Allison transmission – 5 year/unlimited miles

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Steer Axle – 5 year/750,000 miles

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Tandem drive axles – 3 year/150,000 miles

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**28 CUBIC YARD ½ PACK,  
FRONT/TOP LOADING REFUSE COMPACTOR BODY.  
WITH SLIDING TOP DOOR**

**MINIMUM BID SPECIFICATIONS**

Yes    No    Offered

This specification describes the refuse body to be mounted on truck chassis. Accessories not specifically mentioned but necessary to furnish a complete unit ready to use, shall also be included. The refuse unit shall conform to the best practices known to the refuse trade in design and quality of materials.

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**CAPACITY**

The body shall have a capacity, excluding the receiving hopper, of not less than 28 yd<sup>3</sup>.

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The hopper shall have a capacity of twelve (12) cubic yards.

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**BODY CONSTRUCTION**

Detailed manufacturers specifications shall include gauge and grade of material used and reinforcement details.

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Packer body will have flat hopper floor with curved roof and body sides with overhead loading. Hopper will be designed to properly handle containers from 1-10 cubic yard capacity.

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All major wear areas must be a minimum of AR 400 abrasion resistant steel.

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Side Access Door: The side access door shall be sliding and located at the front both sides of the body with minimum opening of 27" x 29". Steps and grab handles shall be provided for ease of entry. An electrical interlock shall be provided to disable the pump whenever the side door is open.

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Roof Access Ladder: A ladder shall be provided on the rear of the tailgate or passenger side. Lanyard attachment points shall be installed according to Federal specifications and labeled. Steps must be of "non-slip" material.

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Sliding Top Door: Hydraulically actuated to cover the hopper.

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Hopper sump: Minimum 14" x 6" door on each side of the hopper.

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Hopper Sump Drain: 3" drain valve located on the street side and curbside.

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Front Head Closure: made of expanded metal.

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The body shall be capable of being raised for service. Body props shall be provided.

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Detailed Specifications

Yes No Offered

Cab shield shall cover entire cab. Bottom shall angle downward toward hopper. Top of cab shield shall be covered with heavy grade of expanded metal.

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**PACKING MECHANISM**

A hydraulically actuated packer shall clear the hopper of material with a maximum cycle time of twenty-six (26) seconds.

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The packer panel shall be provided with bolt-on lugs for the packing cylinders.

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The body front head shall be provided with bolt-on lugs for packing cylinders.

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The packer will be hydraulically actuated by two (2) double acting telescopic cylinders.

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Packer cylinders shall have spherical bearings on both ends

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Packing force – minimum cylinder compaction force shall be 105,000 lbs.

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**TAILGATE**

Tailgate must be one piece; top hinged and shall open minimum 4° above horizontal.

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A heavy-duty rear door seal will be installed across the bottom and 30" up the sides of the tailgate to prevent leakage.

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The tailgate shall be secured in the closed position by means of a fully automatic latching mechanism actuated by a separate control in the cab.

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The tailgate shall be raised and lowered hydraulically by two (2) double acting cylinders. Cylinder design shall also include an orifice fitting in the base port which will prevent the rapid descent of the tailgate in the event of a hydraulic failure.

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**LIFT ARMS**

The lift arms will be capable of lifting 8,000 lb. gross container and payload.

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Lift arms shall be capable of lifting loaded containers from a truck dock with 10' maximum pocket height.

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Lift arm cycle time will be approximately 18-20 seconds.

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The lift arms, during the dump cycle must not obstruct or interfere with the opening of the truck cab doors on either side.

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Detailed Specifications

	Yes	No	Offered
The lift arms will be hydraulically actuated by two (2) double acting cylinders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Container Forks: 1-1/2" x 51" grip high tensile, 50,000 PSI forks. This assembly shall include rubber bumpers to reduce impact and prevent damage to containers.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
The forks will be hydraulically actuated by two (2) double acting cylinders.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Forks shall be designed to provide the necessary dump angle to assure complete discharge of materials from the refuse containers.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Lift arms shall be brought to a smooth stop in the raised and lowered position by use of cushioned hydraulic arm cylinders.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Heavy duty bolt-on hard rubber arm stops located at the side of the body will cushion and prevent over travel of the lift arms.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Maximum height with the lift arms raised in the full up and forks fully tucked position will be 13'6".	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

**HYDRAULICS**

The maximum operating pressure of the system will be 2500 PSI.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
The hydraulic pump shall be a front mount, crank shaft driven, single vane pump with electronic over-speed control. The packer panel operation shall be limited to a flow 55 GPM @ 1500 RPM in neutral or foot on brake.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Pump-to-body hard plumbing shall be securely supported and clamped to prevent vibration, abrasion, and excessive noise.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
All pressure hoses shall be protected with fabric guard.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
The hydraulic oil reservoir shall be a minimum of 45 gallons.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
The tank shall include a screened fill pipe and cap, filter breather, clean out cover, shut off valve, oil level sight glass, and temperature gauge.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
The hydraulic system shall include a 10-micron return line filter in tank. 140 micron reusable oil strainer in the suction line.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Return filter by-pass monitor with in cab indication.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Hydraulic pump shut down system when the filter is in the bypass mode.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Hydraulic valve blocks will be protected with a steel cover. Valve controls shall be electric over hydraulic valve with in cab controls. <i>Same as your other Front loads.</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>No steel Cover</u>
All hydraulic circuits shall be provided with quick couplers. Test gauges with matching couplers must be provided.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____



Detailed Specifications

**CONTROLS**

Yes No Offered

Arm and fork movement shall be accomplished by an electric over hydraulic, self-centering joystick that returns to the neutral position when released. An arm rest shall be provided for operator comfort. Packer, top door, tailgate raise, and tailgate lock controls shall be air toggle type. Tailgate lock control shall include safety interlock.

\_\_\_\_\_

All controls shall be properly labeled and indicate the direction of travel.

\_\_\_\_\_

Warning lights to indicate "Tailgate Open", "Top Door Closed", "Arms Above Transit Position", "Low Oil", "Arm and Fork Over Height".

\_\_\_\_\_

**ELECTRICAL**

In-cab control center shall monitor system functions and operation of the truck. The controller shall use solid-state technology. This controller shall communicate with vehicle powertrain. Error codes must be displayed in text format.

\_\_\_\_\_

All electrical wiring connectors to be automotive double-seal, with wiring in split convoluted loom. All wiring connections to be soldered with rubber molded covering. Unprotected wiring in any application is unacceptable.

\_\_\_\_\_

All switches not manually operated shall be proximity. Mechanical switches are not acceptable.

\_\_\_\_\_

All lights shall be recessed into the tailgate. Lights shall have Lexan lenses and shall be shock mounted.

\_\_\_\_\_

All lights shall be LED.

\_\_\_\_\_

Peterson Multi-function Smart Light System or approved equivalent.

\_\_\_\_\_

Dual hopper lights.

\_\_\_\_\_

Dual container work lights mounted on the cab guard.

\_\_\_\_\_

**PAINTING**

Body shall be painted to match cab color using industry-accepted process.

\_\_\_\_\_

Undercoating shall be provided where possible.

\_\_\_\_\_

*MP*

Detailed Specifications

**MISCELLANEOUS**

	Yes	No	Offered
Front and Rear mud flaps shall be provided. Mud Flaps to be mounted ahead of and behind tandems.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
20 lb. ABC Fire Extinguisher to be mounted on driver side of body, accessible from ground level.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
A plastic shovel and bracket shall be mounted to the rear of the packing blade for the sump area cleanout.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Where possible, all pins shall be lubricated with remote grease zerk banks accessible from ground level.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Safety Triangle kit shall be provided in the cab.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Toolbox: Aluminum 18"x18"x36" shall be mounted to the truck chassis.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
A color split screen camera monitoring system with cameras monitoring the driver side, passenger side, front, rear and hopper views. Factory installed is preferred. Monitor to be roof mounted toward center of cab. <i>4 camera system, city will do the front facing camera.</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____

**WARRANTY**

Minimum 24 month complete body warranty covering parts and labor shall take effect on the delivery date to the city.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
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**TRADE-IN**

The City of Dickinson wishes to trade in a 2017 Peterbilt PB320 chassis with a New Way 28 yard front-load compaction body (R-53) and possibly a 2015 Freightliner M2106 chassis with a New Way Cobra 20 yard rear load compaction body (R-6). The City of Dickinson has the right to accept or decline the trade-in offers. The used trucks may be inspected at the City of Dickinson Solid Waste/Recycling Department, located at 3389 Energy Drive, during normal working hours.

PROPOSAL

One (1) 28 Cubic Yard, Front/Top Loading Refuse Truck

CITY OF DICKINSON

TO: City of Dickinson  
Dickinson, North Dakota

We, the undersigned, agree to furnish the City of Dickinson the following one (1) 28 Cubic Yard, Front/Top Loading Refuse Truck conforming to the General Specifications, the Detailed Specifications, and the attached Detailed Manufacturer's Specifications at the price listed below:

CHASSIS

YEAR 2025 MAKE Peterbilt MODEL 520

BODY

YEAR 2025 MAKE New Way MODEL 40 FEL Mammoth

Estimated Delivery Date: Approx. 270-330 days ARO

CASH PURCHASE

Total Cost:	\$ <u>385,650<sup>00</sup></u>
Trade-in allowance Front load (unit R-53)	\$ <u>62,500<sup>00</sup></u>
Trade-in allowance Rear load (unit R-6)	\$ <u>25,000<sup>00</sup></u>
Final Cost	\$ <u>298,150<sup>00</sup></u>

Warranty Details Attached

Yes  No

FIRM: Northland Truck Sales Inc.  
(Please print or type)

ADDRESS: 650 2<sup>nd</sup> Ave. NW

West Fargo ND 58078

BY: Michael Deutschman

DATE: 3-11-25

SIGNATURE [Signature]