

**GENERAL BID SPECIFICATIONS  
City of Minot, ND 58701**

The City of Minot is exempt from state and federal excise and sales taxes and no amount for such taxes are to be included in the bid price.

The City Council reserves, to itself, the right to reject any or all bids and to award the contract, as it deems necessary and in the best interest of the City of Minot.

Delivery of materials, supplies or services contained in the bid shall be made to the Minot Landfill, and the price shall be FOB, Minot, North Dakota. The delivery date shall be specified on the bid.

All envelopes must be sealed and marked plainly

**“Bid for Two (2) Compactor Trailers”**

**Project #4739**

Bids will be opened in the office of the City Clerk at City Hall, 515 2nd Ave. S.W., Minot, North Dakota at 11:00AM on Tuesday, November 29, 2022. Bids received after this time will be returned, unopened, to the bidder. Bidders are invited to be present at the opening of bids.

**CITY OF MINOT  
TWO (2) COMPACTOR TRAILERS  
LANDFILL P#4739  
NOVEMBER 2022**

The unit described under these specifications shall be the manufacturer's latest model and meet the following minimum specifications. Any deviations from the specifications shall be clearly identified by the vendor on a separate sheet attached to the bid proposal.

<b><u>Trailer</u></b>	48 Foot, 2-Axle, 18 Slat Walking V-Floor Trailer with Compactor Removable Roof for Garbage Application
<b><u>Model</u></b>	48-2-TW-WF meets or exceeds all Federal, OSHA, and DOT standards. Unit is most current design production model and includes all new production changes.
<b><u>Dimensions</u></b>	Length – 48 feet Width – 102 inches Height – 13 feet 6 inches maximum to top of roof
<b><u>Capacity</u></b>	127 cubic yards minimum
<b><u>Weight</u></b>	20,780 pounds +/- 3%
<b><u>Walls and Front Bulkhead</u></b>	Heavy duty 6061 T-6 aluminum. Double walled extrusions with internal ribs running the full length of horizontal extrusions. Two inch rib spacing on center. Wall skin thickness of 0.140 inches (EHD is 0.190 inner). Panel connections- tongue and groove. Top, bottom and interlock with front corner and rear post. Front corners- 8 inch diagonal radius. All welded construction. Wall height sized so that overall height from ground to top of roof does not exceed 13 feet 6 inches. Sides to have compactor side wear plates. Front access door with curb hinges with flip step over electric and air. Side wall to be prepped for future spring bar but no bar provided.
<b><u>Rear Door</u></b>	Constructed of heavy duty double wall aluminum barn door style. Material to be of the same design, panel connections- tongue and groove and specifications of sidewalls and framed with 6061 aluminum extrusion. Size of 2" x 7" with four ¼" internal webs. Frame extrusion must interlock with rear door panels and welded 100%. Hinges- 5 heavy duty, hinged on curbside, with grease fittings. Compactor door in center, width 86 ¾", height 52"-60"

max, and ground to top of floor 55". Rubber seal built into corner posts and rear sill. Rear door compactor side swing with inner side swing. Manual release with high rotation finger locks.

**Rear Corner Posts**

6061 T-6 aluminum 7" wide. Interlocks with side panels and welded 100%. Three internal ribs running full length of post. Drainage track runs full height and allows for drainage of side panel. Ribs to be a minimum of ¼" thick. Rear seal groove to be ¾" deep. Seal to have grip teeth to hold rear seal in place.

**Top Rail**

Heavy duty top tapered self-cleaning extrusion 4" x 6" x ¼" thick. Top impact edge 11/16" thick.

**Roof Assembly**

Three pieces removable bolt on roof assembly constructed from 1 ½" panels. NGHD front section, EHD rear 2/3rds.

**Cross Members**

Cross members are 5" extruded 6061 T-6 I-beams. 2 ¼" flange width, ¼" flange thickness, 3/16" web thickness. Cross members to be spaced 12" O.C. Cross members to be welded directly to walls. All joints and cross members capable of withstanding impacts from normal loading. Meets Keith walking floor specifications.

**Floor**

Keith Manufacturing Running Floor II. Slats- 2654 3.5" drive Cylinders, V-18 slats subdeck 2650, 2652 bearings, 2' 1/4" flat wear strips. Floor shall be reversible for loading/unloading. Drive unit to be reinforced with wing plates to prevent wall separation. Trailer designed and built to accommodate the use of this floor according to Keith Manufacturing recommendations and specifications.

**Fifth Wheel Plate**

36" setback from front of trailer. 48" upper coupler height. Upper coupler plate 5/16" steel with 2" SAE diameter king pin.

**Lights and Reflectors**

Lighting must conform to Federal Motor Vehicle Safety Standards. Provide 12 volt system with 7-way connector. All lighting to be LED style. Marker, tail, stop, and turn lights. Directional turn signals located mid-body. Rear lights to be recessed into rear of trailer. Sealed wire harness and integral receptacles to prevent conductor corrosion. Conspicuity tape full length on both sides.

**Mud Flaps**

Provide rubber mud flaps on the rear of trailer and in front of the Suspension.

**Ladder & Viewing Window**

No ladder- front or rear. Viewing window 12" x 12" plasma'd viewing on RS located 4<sup>th</sup> panel up.

<b><u>Sub-frame</u></b>	The main frame is manufacturer's standard design 10" extruded 6061 T-6 I-beams with a flange size of 7' and .40" web thickness
<b><u>Suspension</u></b>	Hendrickson Intraax AAT 30K, spread air ride, rear axle approximately 35" from rear of trailer, front lift axle 122" ahead of rear axle, front lift – power down.
<b><u>Axles</u></b>	Intraax – straight spindle, 77" track, AAT 30K
<b><u>Brakes</u></b>	Duralite hub, centrifuse drum 16 ½" x 7", life brake lining, S-cams with cam enclosure tubes, automatic slack adjusters, spring brakes on both axles, ABS- 2S2M Meritor systems will meet federally mandated anti-lock requirements, power supply will be compatible with current 7-pin adapter, warning light for ABS power supply.
<b><u>Wheel Hubs</u></b>	Ten stud duralite hub and centrifuse drum assembly, oil bath bearings.
<b><u>Rims</u></b>	8.25 x 22.5 aluminum mill finished inner and outer.
<b><u>Tires</u></b>	Goodyear RSA 11R x 22.5 or equivalent, load range H – 16 ply
<b><u>Landing Gear</u></b>	Inboard Jost landing gear with cushion foot, 10" x 10" cushion foot, #A401-G3-19.
<b><u>Bumper</u></b>	Steel wide with center pin assembly special for compactor, rubber T-blocks, 2 D-ring style tow rings.
<b><u>Center Pin</u></b>	Center pull pin height 47 5/8" approximate from top and 34 5/8" Approximate bottom from ground (41 1/8" to center of pin). Center pull pin opening 30 ½". Center pull pin is located 10 ¾" from center of pin to rear of main door (9 ¼" from rear of pin to rear of door) with a 3" pin. Bumper to protrude 3" beyond rearmost point of main door.
<b><u>Hydraulics</u></b>	Hydraulic lines are stainless steel. Provide connections on front of trailer bulkhead for wet kit hoses with quick connect couplings, 1" wing on pressure male, 1 ¼" wing on female return.
<b><u>Air System</u></b>	Must meet Federal Motor Vehicle Safety Standards.
<b><u>Paint</u></b>	Clean, 2 coats epoxy primer and paint with 3 finish coats of black polyurethane enamel on all steel parts.

**Controls**

Manual controls mounted mid-body on driver's side. Will mount controls as high as possible to avoid damage during landfill operations.

**Manuals**

Company will provide two complete parts and service manuals at the time of delivery of the first trailer, complete with VIN #'s of all equipment. Manuals shall be furnished in hard copy and digital format.

**Miscellaneous**

Weatherproof registration holder to be mounted at the front exterior wall or landing gear.

**Warranty**

Manufacturer's standard warranty on all components.

**BID PROPOSAL  
TWO (2) COMPACTOR TRAILERS  
LANDFILL P#4739  
NOVEMBER 2022**

The City of Minot is a municipal government and is tax exempt. Bids shall not include sales tax or other applicable taxes. The tax-exempt number is E4351.

**Bid for Two (2) Compactor Trailers**                      \$ \_\_\_\_\_

**Make/Model** \_\_\_\_\_

In submitting this bid, it is understood that the contract will be awarded on the basis of lowest and best bid, for the total cost of purchase. The right to reject any and all bids is reserved by the owner, and it is agreed that this bid may not be withdrawn 60 days after actual date of the opening. Payment will be made within 30 days after acceptance of the unit. All prices shall include delivery to Minot Public Works Building, 1025 31<sup>st</sup> Street SE, Minot ND, 58701.

The bidder hereby certifies: a) that this bid is genuine and is not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; b) that he has not directly or indirectly induced or solicited any other bidder to put in false or sham bid; c) that he has not solicited or induced any person, firm or corporation to refrain from bidding; and d) that he has not sought by collusion or otherwise to obtain for himself any advantage over any other bidder or over the owner.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Mailing Address

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Phone

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Delivery Date

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Email