

CITY OF YANKTON

SOUTH DAKOTA

SPECIFICATIONS AND BID FORM

FOR

TWO (2) NEW STEEL TRANSFER STATION WALKING FLOOR TRAILERS

FOR

THE DEPARTMENT OF PUBLIC WORKS
CITY OF YANKTON/JOINT POWERS DEPARTMENT

CITY OF YANKTON, OWNER

P.O. BOX 176

YANKTON, SOUTH DAKOTA 57078

BID SUBMITTAL TO:

CITY OF YANKTON
ATTN: CITY FINANCE OFFICER
P.O. BOX 176
YANKTON, S.D. 57078

BID CLOSING & OPENING:

November 9th, 2023

3:00 P.M.

BID AWARD:

November 27th, 2023

7:00 P.M.

Publishing Dates: October 26 & November 2, 2023

NOTICE TO BIDDERS

Sealed bids will be received by the City Commission of the City of Yankton, South Dakota, at 416 Walnut Street Yankton, South Dakota, at the office of the City Finance Officer of said City until 3:00 P.M. or may be hand delivered to the City Finance Office drop-box by 3:00 PM on the 9th day of November, 2023 at which time they will be publicly opened and read at City Hall Meeting Room A at 416 Walnut Street Disposition of said bid will be held on the 27th day of November, 2023 at 7:00 P.M. in the City of Yankton Community Meeting Room located in the Career Manufacturing Technical Education Academy at 1200 W. 21st Street, Yankton, South Dakota.

Bids will be received on the following:

TWO (2) NEW STEEL TRANSFER STATION WALKING FLOOR TRAILER

FOR
THE DEPARTMENT OF PUBLIC WORKS
CITY OF YANKTON/JOINT POWERS DEPARTMENT

Copies of the specifications may be obtained at the office of the Public Works Manager, 700 Levee Street, Yankton, South Dakota 57078 or by telephoning (605) 668-5211.

All bids must be submitted on forms provided by the City of Yankton.

The City of Yankton, South Dakota reserves the right to reject any or all bids and to waive any informalities therein to determine which is the best and the lowest bid, and to approve the bond, if required.

Adam Haberman, PE
Director of Public Works
City of Yankton, South Dakota

Dated: October 23, 2023

-THE CITY OF YANKTON IS AN EQUAL OPPORTUNITY EMPLOYER-

**GENERAL SPECIFICATIONS FOR
TWO (2) NEW STEEL TRANSFER STATION WALKING FLOOR TRAILERS**

INTENT:

The intent of these specifications is to describe two (2) new and unused, steel walking floor trailers meeting the following minimum specifications considered necessary to furnish a complete unit.

GENERAL:

All component parts furnished shall be new, unused and the same as the manufacturer's current production model. Equipment, accessories, component parts and work not specifically mentioned in these specifications, but necessary to furnish a complete unit, shall also be provided as though they were specifically mentioned and delineated. Assemblies, subassemblies and component parts shall be standard and interchangeable throughout the unit specified.

COMPOSITION OF THE BID:

The bid price shall include all labor, component parts, equipment and services required to fully and properly complete the specified work.

The prices quoted on the bid schedule shall be firm quotes and shall be the total price as stipulated above.

BID FORMS:

All bidders must use the forms provided by the City of Yankton.

Bidders must submit completed bid proposal forms in a sealed envelope or packet clearly marked on the outside: "**BID FOR JOINT POWER TRANSFER STATION 2 WALKING FLOOR TRAILERS**".

Additional specifications and bid proposal forms may be obtained at the office of the Public Works Manager, 700 Levee Street, Yankton, SD 57078 or by calling 605-668-5211.

BID CLARIFICATION:

Bidders may contact the Public Works Manager at (605) 668-5211 for additional clarification of these specifications.

Request for such clarification should reach the Manager no later than ten (10) days before the date on which bids are due.

Prior to submission of the bids, any ambiguities in the specifications shall be brought to the attention of the Manager. If necessary, an addendum will be issued to give effect to such clarification.

WARRANTY:

Specific warranties from the manufacturers shall be enclosed with the bids and as specifically called for in these specifications.

DATE OF DELIVERY:

The successful bidder shall deliver the specified equipment within **150 days** after the Notice of Award.

TRANSPORTATION AND DELIVERY:

The Supplier shall be required to pay all costs in transporting the steel walking floor trailer to the City of Yankton's Joint Powers Department.

RESERVATIONS:

The City of Yankton reserves the right to inspect and observe a demonstration of the equipment and to select the equipment that appears to be the most advantageous to the City.

TAXATION:

The City of Yankton shall be exempt from all Federal or State and Local taxation. The City shall not be liable for additional payment to defer the cost of any tax or other imposition that might be made by Federal or State taxing authorities.

DISPOSITION OF BIDS:

No bidder may withdraw his bid until the Board of City Commissioners has awarded the bid to the most responsive and responsible bidder.

EXCLUSION OF DEALER'S NAME ON VEHICLES:

No dealer's name or address may be displayed on the trailer.

SERVICING:

Prior to delivery, the trailers shall be completely serviced by the vendor in his/her own shop, including a 2024 D.O.T. inspection.

MANUAL:

Operator/Owner plus service and parts manuals on the walking floors and trailers shall be furnished for the equipment bid. The supplier shall also advise the City of any special instructions pertinent to the type of service the particular equipment is required to have.

STANDARD FEATURES AND SAFETY EQUIPMENT:

The proposed trailer shall include all the manufacturer's standard features as provided in the units bid and all federal government required safety equipment.

PAYMENT:

Payment for the proposed vehicle shall be cash upon the delivery and acceptance of the trailer by the City of Yankton.

It is the policy of the City of Yankton to approve all bills on the 2nd Monday of each month and mail checks on the following Thursday. Therefore, all requests for payment must be received by the City of Yankton by the first day of each month in order to process the request on the regularly scheduled payment date. Should the request for payment be made after the dates specified, payment will not be made until the following month. The contractor shall be required to include any additional costs associated with this schedule in his bid.

*****END OF GENERAL PROVISIONS*****

**DETAILED SPECIFICATIONS FOR
TWO (2) NEW STEEL TRANSFER STATION WALKING FLOOR TRAILERS**

GENERAL:

This proposal consists of furnishing two (2) new and unused, steel walking floor trailers. Equipment and accessories not specifically mentioned in these specifications, but necessary to furnish a complete unit, shall also be provided. The equipment to be furnished shall be of the finest standard of quality and shall be the manufacturers' most heavy-duty model available, meeting the following minimum specifications.

STEEL WALKING FLOOR TRAILER SPECIFICATIONS:

		<u>Comply</u>	Does Not <u>Comply</u>
CAPACITY:	Trailer shall be rated at a minimum of 120 cubic yard capacity.	_____	_____
DIMENSIONS:	Trailer shall meet minimum dimensions in order to obtain rated capacity of 120 cubic yards minimum.	_____	_____
	A. Outside Dimensions:		
	1. Length – The overall length of trailer shall be 48 feet.	_____	_____
	2. Height – The overall height of trailer minus tarp stops shall be 13 feet 6 inches.	_____	_____
	3. Width – The overall width of trailer shall not exceed 102 inches.	_____	_____
	B. Inside Dimensions:		
	1. Length – The inside length of trailer shall be 47 feet 8 inches minimum.	_____	_____
	2. Height – The inside height of trailer shall be 9 feet.	_____	_____
	3. Width – The inside width of trailer shall be 96 inches.	_____	_____
KINGPIN:	Shall be standard SAE with a 36 inches setting.	_____	_____
AXLES:	Trailer shall have tandem axles that have a rating of 22,500 pounds each minimum. With top mount brake chambers and outboard brake drums. Axle ends shall be equipped with short wheel studs.	_____	_____
SUSPENSION:	Hutch tandem 9700 365-00 HD spring 48,000 pound capacity or equivalent.	_____	_____
SPRINGS:	Shall be 'A' rated at a minimum of 24,000 pounds per axle.	_____	_____
BRAKES:	Air operated 'S' cam brakes on all wheels with automatic slack adjusters.	_____	_____

		<u>Comply</u>	<u>Does Not Comply</u>
WHEELS:	Shall be Hub Piloted Budd Type 10 hole, 22.5 X 8.25 tubeless type. Eight (8) required, plus spare rim to match.	_____	_____
TIRES:	Tires shall be Low Pro 295/75R x 22.5, 14 ply, radial tubeless tires (Goodyear Unisteel G 314, or equivalent).	_____	_____
LANDING GEAR:	The landing gear shall be a Holland Mark V 200,000 pound static vertical load capacity with driver's side crank.	_____	_____
LIGHTS:	Standard set of lights that meets state, federal and ICC regulations. Mid-trailer side turn indicator to be included.	_____	_____
WIRING:	All wiring shall be a sealed wiring harness. The rear lights may be installed in the bottom rail of the rear door underneath but so not to be damaged by garbage, if they are, no light guards would be required.	_____	_____
FLOOR:	The trailer shall have a 'walking floor' (see walking floor section).	_____	_____
COVER:	The trailer shall be open top with a SHUR-LOK manual roll tarp with 14 inch steel end caps operated from the front catwalk. The tarp shall roll open from the driver's side to the passenger side and be securely fastened to the passenger side. The roll tarp shall be made from 22-oz material. The roll tube shall run the entire length of the trailer. The roll tube shall be made of galvanized steel 2 inch in diameter. There shall be a minimum of seven (7) Shurco 6 inch offset cast aluminum tarp stop holders [part number 1105169]. There shall be a minimum of seven (7) heavy-duty style ratchets for securing the tarp in closed position. The ratchets shall have hook on end of ratchet strap. The ratchets shall be installed no more than 60 inches from the ground. The ratchets shall be bolted in place and positioned in a manner such that ratchet may be fully opened to the unlocked position. There shall be seven (7) double D-ring, nylon straps, which wrap around the crank tube and shall hang down to within one (1) foot of ratchets. The straps shall be 2 inches in width. The tarp shall be black. For drainage purposes, tarp shall include six (6) 1-1/2" rolled grommets positioned down the center line of trailer between each set of ratchets.	_____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____	_____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____

		<u>Comply</u>	<u>Does Not Comply</u>
CAT WALK:	Shall be across the front of trailer and shall meet these requirements. See attached photo's for mounting reference.	_____	_____
	A. Catwalk shall be 73-1/2 inches in length.	_____	_____
	B. Catwalk shall be 21 inches in width.	_____	_____
	C. Catwalk shall be 45 inches below top rail of trailer.	_____	_____
	D. Ladder should be mounted on left front side of trailer, left side of catwalk on front of trailer.	_____	_____
CONTROL VALVES:	All control valves for operation of the live floor shall be mounted on the trailer and the driver shall be able to operate the controls standing on the ground.	_____	_____
HYDRAULIC HOSE CONNECTIONS	For ease of connecting hydraulic hoses by driver, all connections shall be mounted on the front driver side of the trailer and shall be able to be connected from the ground without the driver climbing onto the truck. Couplers shall be (AEROQUIP Male 5602-16-16-S Female 5601-16-16-S)	_____	_____
TAILGATE:	The tailgate of the trailer shall be curbside barn door hinged. The tailgate must close tightly to prevent debris from falling from trailer and to inhibit liquid from leaving trailer. Tailgate shall have ladder securely attached to door extending from top of door to bottom of trailer. Tailgate latch must be covered to allow trailer door latch to open and close with the tarp closed. See attached picture.	_____	_____
CONSTRUCTION:	The trailer shall be constructed of steel sides. High-yield 12 gauge steel 60,000 LB minimum yield strength. Side posts shall be 6" wide on 24" centers all exterior welds shall be continuous. Bottom rail shall have a yield of 60,000-PSI minimum. The top rail shall have a yield of 50,000-PSI minimum single piece. The cross members shall be a minimum of 4" 'I' beam on 12" centers with yield strength of 70,000 LB.	_____	_____
OR:	Formed corrugated steel construction sides. High-yield 12 gauge steel 60,000-LB minimum yield strength. Sidewalls to set on top of bottom rail, no metal overlap permitted on sidewall to top or bottom rail. Vertical Outside Corrugation: 1 – 3/4" deep X 2" outside face with 36 degrees taper on 12" centers with inside filler plate– must be sealed with siliprene. Each enclosed corrugation must have 3/8" positive drain hole through bottom rail.	_____	_____

		<u>Comply</u>	<u>Does Not Comply</u>
SPREADER BAR:	Two (2) – 4 X 4 X ¼” spreader bars. Beginning at back of trailer, spreader bars should be spaced 15’ and 30’.	_____	_____
PAINTING: (State Colors Available)	All surfaces to be painted shall be cleaned of all mill scale, rust, spatter slag, or flux deposits, oil, grease, dirt, or other foreign matter. Exterior surface must be sandblasted before painting. All metal surfaces interior and exterior, shall be clean and dry and shall have one coat of epoxy primer applied to obtain a minimum thickness of 1 MIL per coat. All the under structure shall be primed before the flooring is installed. All exterior surfaces of the trailer shall have two coats of polyurethane enamel (color selected by the City) applied in accordance with manufacture’s recommendations.	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
LANDFILL EQUIPMENT:	The trailer shall have tow hooks and push plates.	_____	_____
WALKING FLOOR: <u>Driving Mechanism:</u>	The hydraulic cylinder shafts must be attached to the frame with four (4) 5/8” bolts and will remain stationary. The 2” X 6” cross drives are clamped directly to the hydraulic cylinder barrels and are supported by support rails which are attached to the center frame. The cylinders on each cross drive must be independently removable and interchangeable.	_____ _____ _____	_____ _____ _____
<u>Hydraulic System:</u>	Six (6) cylinders with 3” diameter bore 1.771” OD X 1.125” ID 1045 induction hardened (50 RC minimum and 10 RMS finish piston rods with 10” stroke. Each unit of two (2) cylinders is connected at the base of each cylinder. All hydraulic lines on the drive unit must be steel hydraulic tubing (no hoses). Each piston shall have two (2) Parker 4700 series (or Disogrin) piston seals and a wear ring. Each cylinder head shall have two (2) rod wipers, two (2) wear rings and one (1) Parker 4700 series (Disogrin) seal. Hydraulic lines on outside of King pin plate to access	_____ _____ _____ _____ _____ _____ _____ _____	_____ _____ _____ _____ _____ _____ _____ _____

		<u>Comply</u>	Does Not <u>Comply</u>
WALKING FLOOR CONTINUED:			
<u>Mounting:</u>	Hydraulic drive mechanism must be mounted in a center frame, which is attached to the trailer suspension sub-frame, or is a continuation of the suspension sub-frames.	_____	_____
<u>Extrusions:</u>	Each floor extrusion shall be secured to the drive mechanism with eight (8) minimum 5/16" X 1" Allen type counter sunk bolts, grade 8 with self-locking nuts.	_____	_____
	Each aluminum extrusion shall be supported by the high density polyethylene bearings in the center and on each side of the floor slat with plastic between bottom foot of the extrusion and the trailer cross member.	_____	_____
<u>Cross Sill:</u>	Each cross sill has fifteen (15) high-density polyethylene bearings attached to it.	_____	_____
	Minimum bearings surface 30.21 square inches (20.15 square inches on the top of the bearing – 5.03 inches on each side of the lower portion on the cross sill).	_____	_____
	The two (2) tabs on each side of the cross sill that hold the bearings in place are at least 1.5 inches in length	_____	_____
DESCRIPTIVE LITERATURE:	Bidder shall submit with his bid complete specifications and descriptive literature for use in rating and comparing bids. The manufacturer's standard specifications shall not be altered by the bidder to meet the above requirements.	_____	_____

*****END OF DETAILED SPECIFICATIONS*****

BID FORM
TWO (2) NEW STEEL TRANSFER STATION WALKING FLOOR TRAILERS
CITY OF YANKTON - DEPARTMENT OF PUBLIC WORKS
CITY OF YANKTON/JOINT POWERS DEPARTMENT

DATE _____

Proposal of _____ (hereinafter called "Bidder") a corporation, organized and existing under the laws of the State of _____ a partnership, or an individual doing business as _____.

To: City Finance Officer
City of Yankton
Yankton, South Dakota

Proposals to be filed
not later than 3:00 PM
on November 9th, 2023

Gentlemen:

The bidder, in compliance with your invitation to bid for the furnishing of two (2) new steel transfer station walking floor trailers for the City of Yankton, Department of Public Works, Joint Powers Department, Yankton, South Dakota, having examined the specifications, and being familiar with all of the conditions surrounding the proposed equipment, hereby proposes to furnish said equipment, in accordance with the specifications, within the time set forth therein, and at the prices stated below.

The undersigned bidder does hereby declare and stipulate that this proposal is made in good faith, without collusion or connections with any other person or persons bidding for the same work, and that it is made in pursuance of and subject to the general provisions and the detailed specifications, pertaining to the work to be done, all of which have been examined by the undersigned.

He agrees that the work will be complete within the date shown on bid, unless the date of completion is extended by mutual agreement of both parties.

All of various facets of work enumerated in the specifications with their individual jobs and overhead, whether specifically mentioned, included by implication of appurtenant thereto, are to be performed by the Supplier under the items listed in the bid schedule, irrespective of whether it is named in said list.

The Bidder hereby agrees to commence work under this contract on or before a date to be specified in the Notice of Award and to fully furnish the equipment within the time specified by Bidder.

The Bidder hereby agrees to perform all work and to supply the equipment described in the specifications for the following amounts:

EQUIPMENT MAKE AND MODEL: _____

DELIVERY DATE: _____

NEAREST LOCATION FOR REPAIRS, MAINTENANCE AND PARTS:

PURCHASE:

*Cost of equipment, as specified, to the City for
Two (2) New Steel Transfer Station Walking Floor
Trailers*

\$ _____ (2)

Bidder acknowledges receipt of the following addenda:

Date: _____ Number: _____

The Bidder understands that the Owner reserves the right to reject any or all bids, to waive any informalities in the bidding and to award the contract in the best interest of the Owner.

Respectfully submitted:

Name of Firm

Federal ID No.

Officer

Telephone No.

Address