

REQUEST FOR BIDS

FRONT PLOW FOR 5-TON TRUCK



Department of Public Services

1015 S Lincoln Avenue

Three Rivers, MI 49093

(269) 273-1845

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Bidding Information

Performance Bids

The City of Three Rivers is committed to the concept of performance bids. All vendors are encouraged to submit bids which conform to the stated specifications, as well as, suggest deviations from the specifications, which in the vendor's opinion would be beneficial to the City in terms of price and performance. The City reserves the right to accept or reject any bid under these terms.

I. Instructions

- A. Bids must be typewritten or clearly printed in ink and signed by a duly-authorized representative of the firm submitting the quote.
- B. Bids must be submitted in sealed envelopes, clearly marked on the outside, **"Front Plow for 5-ton truck"**.
- C. Bids will be received by the Office of the City Clerk, City Hall, 333 West Michigan Avenue, Three Rivers, Michigan, 49093, until **2:00 p.m. local time, Thursday, May 26 2016**. All bids will be date stamped and time marked when received.
- D. Faxed or emailed bids shall not be accepted.
- E. If you received this document from our website, you must e-mail your contact information to aroth@threeriversmi.org so we can place you on the bidders list for addenda.

II. Conditions Applicable to Bids

- A. Applicable Laws: The Ordinances and Charter of the City and laws of the State of Michigan concerning competitive bidding, contracts and purchases will be employed.
- B. Taxes: The City of Three Rivers is generally exempt from Federal Excise and Michigan State Sales Tax. Prices should not include tax.
- C. If the bidder elects to deviate from the specifications stated, all exceptions or other changes must be clearly noted.
- D. The City reserves the right to reject any and all bids, waive informalities or defects in bids, or accept such bids as it shall deem to be in the best interest of the City of Three Rivers.
- E. The City does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in employment or the provision of services.
- F. The Bidder shall provide a completed W-9 form with this bid
- G. The City plans to award the equipment purchase at the **June 7, 2016** Commission meeting.
- H. A guarantee delivery date for the shipper shall be noted on the bid on the space provided.
- I. If you have any further questions, please contact Amy Roth, at 269-273-1845 or e-mail inquiries to aroth@threeriversmi.org.

Bid Form

The undersigned having familiarized (himself/themselves) with the local conditions affecting the cost of the product and the Contract Documents hereby proposes to provide and furnish all labor, materials, necessary tools, equipment, utility and transportation services necessary to perform and complete in a workmanlike manner all work required in accordance with the specifications as prepared by the Department of Public Services, City of Three Rivers, Michigan, for, including Addenda No. _____ issued thereto, the following unit prices:

COMPANY _____

ADDRESS _____

CITY _____ STATE _____ ZIP CODE _____

SIGNATURE _____ TITLE _____

TELEPHONE _____ DATE _____

BID AMOUNT (INCLUDING APPLIED DISCOUNTS) _____

DISCOUNT AMOUNT _____

Specifications for Front Plow

General

It is the intent of these specifications to describe a front plow for attachment to a 5-ton truck.

The below listed specifications and instructions are in no way intended to eliminate any company, vendor, bidder or product from the bid process. It is the sole intent of these specifications and instructions to describe a front plow that will be the best product available to the City of Three Rivers and its residents.

This specification shall describe a **Henke 41R10IS Full Trip** front plow or approved equal. Bidders must submit with their proposal, notating any deviations, complete specifications on the unit they propose to furnish. Bidders must respond to each section of the specification with a “yes” or “no” for each section. If “yes” is checked, bidder is expected to supply exactly what is described. If “no” is checked, a detailed explanation of the deviation must be provided, on this form or on a separate piece of paper included in the bid, no matter how minor it may be. Failure to respond to either “yes” or “no”, the bid will be rejected for non-compliance.

Yes No

Moldboard

Moldboard shall be composed of smooth rolled 3/16" x 55" x 10ft steel plate welded to a minimum of (6) 1/2" x 4" curved vertical ribs. The ribs shall be plasma cut and tapered, with the top end welded to a 2" x 3" x 3/8" moldboard top angle, and the bottom end welded to a 1" thick steel bottom rib pivot reinforcement. This pivot reinforcement is to be welded to a 4" x 4" x 5/8" bottom angle. (2) rubber stops are to be mounted to the bottom angle to prevent over tripping. The bottom angle shall be reinforced with gussets between the cutting edge mount holes. The moldboard shall have an integral shield, which will constitute the moldboard face extending to approximately 19" forward of the cutting edge at a consistent radius. Moldboard height shall be 41" with an 8" cutting edge and full moldboard trip.

Circle Pushframe

The pushframe shall consist of a circle frame and pushbeam. The circle frame shall consist of a 3 1/2" x 3 1/2" x 1/2" steel angle rolled in an arc spanning 66", with two support legs each of 3 1/2" x 3 1/2" x 1/2", 27 1/2" long which are welded between the circle-frame and the pushbeam. Stop blocks shall be positioned on the circle frame to prevent hydraulic over-stressing of the reversing cylinders. To prevent possible "pinching" of hydraulic hoses, stop blocks shall not overhang the circle frame width. The pushbeam shall be composed of 4" x 4" x 3/8" square steel tube, 85 1/2" long. Eight ears of 1/2" thick steel will be welded to the pushbeam for attaching to the moldboard at four of the bottom rib pivot reinforcements. The ears will be drilled to accept 1 1/4" pivot pins. The A-Frame pivot point shall be welded to the pushframe, and shall consist of a 4" long x 2 1/4" OD x 1 1/4" ID greaseable bushing. The bushing shall be gusseted for additional support.

A-Frame

The A-frame will be constructed of 4" ship channel, welded to a 1" x 5" backplate. A 5/8" thick top plate welded to the A-frame serves as the circle frame hold-down. Top plate shall be plasma cut to conform to the circle frame radius. The A-frame attaches to the circle assembly with a 1 1/4" grade 5 bolt installed through a 2 1/4" OD greaseable bushing, which is welded to the circle pushframe.

Manual Reverse

Plow shall be equipped for manual reverse that utilizes current circle frame set up without the hydraulic cylinders. (3) plowing positions - straight - right - left must be available.

Yes No

Moldboard Trip

Moldboard Trip shall be an enclosed spring trip type. The enclosed spring trip consists of an outer housing, (2) inner compression springs, inner guide tube, inner shaft, rebound spring and trunion mount. The (outside) inner compression spring shall be 5 3/8" in diameter, 19 7/8" long, of 3/4" wire, rated at 3,275lbs maximum compression. The (inside) inner compression spring shall be 3 3/8" in diameter, 19 5/8" long of 5/8" wire, rated at 3,300lbs maximum compression. Both springs shall be pre-stressed to approximately 1,100lbs. The inner shaft shall be 1 3/8" CR steel. The shaft end will be drilled to accept a 1" diameter moldboard-connecting bolt. The rebound spring (located between the shaft end and the inner tube on the inner shaft) shall be 2 7/8" in diameter, 2 5/8" long, of 3/4" wire, rated at 9,280lbs maximum compression. The enclosed spring trip assembly shall require a force of 6,600lbs to fully compress both inner springs.

Paint

The plow shall be sand blasted according to commercial blast cleaning (SSPC-SP 6) to a white metal surface prior to priming and painting.

Adjustable Running Gear Assembly with Pneumatic Wheels

The running gear assembly shall consist of an inner tube, outer tube, screw adjuster and swivel assembly. The inner tube shall be constructed of 3" x 3" x 1/4" square steel tubing. The top end of the tube shall have a welded 1/2" thick steel cap. To the top of the cap will be welded a 1 1/4" acme threaded nut. To the bottom end of the tube will be welded a greaseable swivel assembly, consisting of 3/4" upper and 1" lower base plates, swivel shaft with bronze bushing and 5/8" steel wheel mounting yokes. The outer tube assembly shall be constructed of 3 1/2" x 3 1/2" x 3/16" steel tubing welded to a 6" x 11" x 1/2" steel plate with (6) mounting holes on each side for vertical adjustment. The inner tube shall be connected to the outer tube via a 1 1/4" acme threaded rod, which is hand adjustable by means of a crank assembly. A 5 bolt rim, .36" thick at center, with a roller bearing hub assembly.

Delivery

Guaranteed delivery date _____

Spreader shall be furnished fully serviced and assembled.

Warranty

Provide information on the warranty covering the spreader for materials and workmanship, cost of warranty is to be included in the bid price.

Distributor or representative shall provide the closest location to the City of Three Rivers for a parts and service facility.

Indicate location of service/parts facility

The distributor facility must have adequate stock of parts and mechanics trained to work on their mowers.

No contract or sub-let maintenance and or warranty service shall be acceptable. **NO EXCEPTIONS**