

City of Waterville
DEPARTMENT OF PUBLIC WORKS
6 Wentworth Court
Waterville, Maine 04901-4892

TEL (207) 680-4744 FAX (207) 877-7532

REQUEST FOR BIDS
COMPACT ARTICULATED WHEEL LOADER – HYDROSTATIC ALL WHEEL DRIVE

DATE: August 1, 2017

INSTRUCTIONS TO BIDDERS

- 1. GENERAL:** The City of Waterville is accepting bids for a **Compact Articulated Wheel Loader – Hydrostatic All Wheel Drive** meeting the specifications accompanying this document.
- 2. BID SUBMITTAL:** Sealed bids will be accepted by the Office of the Director of Public Works, 6 Wentworth Court, Waterville, Maine 04901-4892 up to and including **10:00 A.M. local time, Friday, August 25, 2017** at which time they will be publicly opened and read. All bids will be placed in a sealed envelope clearly marked "**Bid – Compact Wheel Loader**" in the center with the bidder's name and address in the upper left hand corner. Bids not dated and time stamped by the Office of the Director of Public Works prior to the specified date and time stated above will be returned unopened. Facsimile bids will only be accepted by arrangement with the Office of the Public Works Director. **Arrangements may be made by contacting Fred Dechaine at (207) 680-4746, fdechaine@waterville-me.gov or by faxing him directly at (207) 877-7532.**
- 3. WITHDRAWAL OR REVISION OF BID:** A bidder may withdraw or revise a bid after it has been received by the Office of the Director of Public Works, provided the request is made in writing or in person before the time set for bid opening.
- 4. BID AWARD:** Bid award, if the City determines to award, will be made within thirty (30) calendar days after bid opening, to the lowest responsible bidder whose bid fully complies with the requirements specified contingent upon approval by the City Council. The City reserves the right to reject any and/or all bids without absorbing any liability against the City.
- 5. EVALUATION OF BIDS:** For purposes of evaluating the bids, in the event of any discrepancies on a proposal between an amount written out in words versus the same amount expressed in numbers, the amount written in words shall govern (if applicable). Similarly, unit prices shall prevail over extended totals. In the event of Additive Bid Items, the "low bid" shall be based upon the least total for the highest combination of bid items that may be awarded within the Control Amount (i.e. a predetermined budget amount to be disclosed at the time of bid opening). In the event that all Base Bids exceed the Control Amount, the "low bid" shall be based solely upon the lowest Base Bid submitted. Bidders shall examine and familiarize themselves with the Specifications and Bid Documents. The bidder shall in no way be relieved of any obligation to provide the product, service and/or equipment specified through error, mistake or omission.
- 6. INTERPRETATION OF ADDENDA:** It shall be the bidder's responsibility to make inquiry as to any interpretation of the specifications or requirements of the participants. Any noted changes in the specifications shall be by written addenda.
- 7. SPECIFIED QUANTITY:** One (1) Unit
- 8. INVOICES AND PAYMENT:** Invoices shall be transmitted to the City of Waterville, 1 Common Street, Waterville, Maine 04901-6699. It is the practice of the City of Waterville to pay invoices within thirty (30) days of receipt. **The City is exempt from State of Maine Sales Tax.**
- 9. PENALTY CLAUSE:** N/A
- 10. INSURANCE:** N/A

INSTRUCTION TO BIDDERS

Page 2

11. PERFORMANCE BOND: Not Required

12. CANCELLATION: The City reserves the right to cancel any unfulfilled portion of the Contract if, in the opinion of the City, the services or materials supplied are unsatisfactory or are not in compliance with the terms and conditions of the specifications. Cancellation shall be effective following ten (10) calendar days written notice to the Bidder.

13. EXCEPTIONS TO SPECIFICATIONS: These instructions to Bidders and General Paragraphs are an integral part of the Specifications for a **Compact Articulated Wheel Loader – Hydrostatic All Wheel Drive** and will be binding on the Bidder. Bidders are advised that they shall be bound to the requirements of the Specifications, Instructions to Bidders and General Paragraphs unless exceptions are otherwise clearly noted in the Proposal. Any exceptions shall be considered, however, in determining the most acceptable proposal.

14. INQUIRIES: Any questions concerning this bid request should be directed to Frederick Dechaine, Fleet maintenance Supervisor, 6 Wentworth Court, Waterville, Maine 04901. Telephone inquiries can be made by calling (207) 680-4746 between the hours of 7:00 AM & 3:00 PM Monday through Friday.

15. GENERAL PARAGRAPHS: See Attached Bid Specifications

BID SPECIFICATIONS

COMPACT ARTICULATED WHEEL LOADER – HYDROSTATIC ALL WHEEL DRIVE

Item

Compact Articulated Wheel Loader, Cab model with High Flow Auxiliary Hydraulics

Engine

Perkins, Kubota, John Deere (or equivalent) diesel, water-cooled, Tier 4 final engine with a maintenance free PMC style after treatment. High flow model must be turbo charged. Minimum of 60 HP (high flow model) at 2600 RPMs. 12 volt electrical system with an easy access fuse panel and a minimum 85 amp alternator. Fuel tank must be no smaller than 16 gallons. Engine must meet current EPA and EU stage emissions regulations.

Transmission

Hydrostatic two speed transmission with a brake-inching pedal.

Differential Lock

100% on demand differential lock for both the front and rear axles. Differentials must be activated by the operator using the differential lock button on the operating joystick.

Brakes

Initial braking must be hydrostatic before the drum brake. Brake must operate on all 4 wheels. Machine must also be equipped with a brake inching pedal. Parking brake must lock out ability to engage unit in drive through the drum brake.

Axles

Axles must have a minimum 5,512 lbs. load rating. Axles do not oscillate and move with the carriage at the center oscillation point.

Hydraulics

Auxiliary hydraulics must have a minimum flow of 28 GPM. Must have working pressure of no less than 3046 psi (210 bars). Hydraulic tank capacity can be no smaller than 11 gallons. Must be able to run auxiliary hydraulics hands free by use of a detent in the operating lever. Auxiliary hydraulic block must be a Faster™ Block, and must depressurize the machine and attachment through manual depression of the couplers.

Steering

Automotive type steering wheel with articulated steering. The articulation angle must be 45 degrees and the machine must oscillate 12 degrees at the central pivot point. The maximum turning radius must not exceed 11 feet 7 inches.7

Controls

Must have an ergonomically designed joystick that controls the raising and lowering of the loader arm and roll in and roll out of the attachment. Other items that must be integrated into the joystick: forward-reverse and neutral buttons, high/low speed selection button, 2-way auxiliary hydraulics controlled and differential lock demand button. The joystick must have 2 float positions: one that controls the bucket cylinder and one that controls the lifting arm cylinder. A separate auxiliary hydraulic control lever must also be present and located next to the operating joystick. Auxiliary hydraulic control lever must have a detent on the pressure side of the hydraulics. 14 pin electric auxiliary connection standard.

Capacities & Forces

Machine must have a standard bucket capacity of not less than 0.59 cubic yards. The breakout force shall be a minimum of 9,082 lbs. with a machine operating weight not to exceed 7,385 lbs. When using the standard bucket with the unit not articulated, the tipping load cannot be less than 4,885 lbs. When fully articulated the tipping load cannot be less than 4,081 lbs. With the frame straight and when operating with pallet forks the tipping load must be no less than 4,193 lbs. When fully articulated and operating with pallet forks, the tipping load cannot be less than 3,527 lbs.

Dimensions

The machine dimensions can be no greater than 15 feet 9 inches long, with standard bucket. The height to the top of the cab can be no greater than 7 feet 9 inches. The machine width must be narrowed down to 48" to be able to operate on sidewalks. The minimum pin height should be 10 feet 6 inches with a minimum dump height of 7 feet 11 inches.

Loader Linkage

Unit must have a universal flat faced adapter plate with a parallel / Z-bar combination loader linkage.

Tires & Rims

Front and Rear tires must be sized per manufacturer recommendation.

Operator Station

Machine must be equipped with a fully enclosed, 2 door, heated and air conditioned cab with clear views of all working areas. Cab must meet ROPS and FOPS requirements. A fully adjustable seat with weight & height adjustments. An infinitely adjustable steering column. Must be able to enter the cab on either side of the machine. Top half of doors must lock open at 2 stages with the maximum being 180 degrees. Front and rear windows must have windshield wipers and washer fluid. The machine must be equipped with left and right side rearview mirrors. An AM/FM radio must be provided.

Gauges

Machine must have on the front console: an engine temperature gauge, an hour meter, a tachometer and a fuel gauge along with standard warning lights for machine alerts.

Serviceability

Operator platform must be side tilting with the removal of no more than two bolts. Engine compartment must also open 90 degrees. Engine must contain a two stage air filter with a filter indicator.

Lighting

Machine must have on-road lighting including turn signals, four way flashers, low and high beam driving lights. There must be 2 front and 2 rear cab mounted working lights. The unit must also be equipped with a dome light and be pre-wired for a beacon warning light.

Paint

The machine frame must have powder coated paint of the standard factory colors.

Safety

Machine must be equipped with a safety drive interlock. The machine must also not be able to move forward or reverse while the parking brake is engaged. Machine must be equipped with a control lever lockout mechanism. The machine must have a battery disconnect that is easily accessible for the operator in an area that can be locked.

Warranty

Manufacturer's standard warranty must be no less than 2 years / 2000 hours

Manuals

Machine must come standard with an operator's manual, a parts manual and an engine manual.

Training

Operator and service training must be available either directly from the manufacturer or on site from a qualified manufacturer representative.

Support

Manufacturer must offer support at both the local level and factory level including support on applications, warranty, product repairs, etc.

Attachments

1. A general purpose bucket with a bolt on edge
2. 60 inch HD Snow blower
3. 60 inch Hydraulic V-Plow
4. 60 inch Hydraulic Angle Broom

BID FORM

DATE: _____

To the Director of Public Works for the City of Waterville, Maine:
Please accept this bid submission from:

(hereinafter called "Bidder"), a corporation* organized under the laws of the
State of _____ or a partnership/individual** doing business as

This bid is being submitted for a **COMPACT ARTICULATED WHEEL LOADER – HYDROSTATIC ALL WHEEL DRIVE** in compliance with your invitation for bids, having examined the specifications and conditions contained therein. Alternatives/Substitutions are as follows:

(Attach Additional Comments, As Necessary)

The Bidder proposes to supply the following:

Bid Option #1: (Per Specifications) No Trade-In Allowance \$ _____

Bid Option #2: (Per Specifications) With Trade-In Allowance
2002 Trackless MT-5 Sidewalk Tractor w/Attachments - \$ _____

Extended Warranty: **Provide Description Summary** \$ _____

**Delivery Guaranteed within _____ days of contract award and not beyond ninety (90) days of contract award.

NAME OF BIDDER: _____

BY: _____
(Signature)

NAME AND TITLE: _____

ADDRESS: _____

TELEPHONE: _____

TAX ID# _____

* Affix seal if by Corporation

**Cross out word/phrases that do not apply