



## INVITATION TO BID

FINANCE DEPARTMENT

GREGORY N. L'HEUREUX  
Finance Director

COLLEEN C. SELBERG  
Purchasing Agent

### **FRONT END LOADER WITH PLOW AND WING Bid #29-19**

Sealed bid for furnishing a new Front End Loader with Plow and Wing to the City of South Portland Public Works Department as specified below, in the attached specifications and proposal, will be received by the City Purchasing Agent, 25 Cottage Road, South Portland, Maine 04106, until 2:00 p.m., Tuesday, February 19, 2019 at which time, they will be publicly opened and read aloud. Proposals received after the above stated day and time will not be considered.

Bids shall be submitted on the attached bid form in sealed envelopes, plainly marked "Bid #29-19 Loader" and shall be addressed to the Purchasing Agent at the above address.

Delivery to be made upon receipt of purchase order and shall be F.O.B., Public Works Department, 929 Highland Avenue, South Portland, Maine.

All equipment offered on this bid shall be brand-new and the latest type available. Bidder will state in his bid the name and model number of the equipment he is offering and will include with his bid a catalog or brochure marked to indicate the standard factory equipment of the model on which he is bidding. Bidder must attach a separate sheet to his bid listing any deviation from the minimum specifications shown. If no attachment is provided, it will be assumed that the item being bid meets the minimum specifications.

If the equipment offered by a bidder under the attached specifications meets the specifications except for minor factors or reasonably small amounts in dimensions, and if it shall be determined by the City that these minor variations from the specifications do not prevent the equipment being bid from performing as satisfactorily or from being as good as equipment fully meeting these specifications, then these minor variations from the specifications may be waived by the City, if it deems it to be to its advantage, and the equipment with the waived variations in specifications will be accepted as fully meeting these specifications.

Since a prompt delivery is required, delivery time, as well as price, may be a factor in determining the award of this bid.

Price shall include a 14-day plate and State of Maine Certificate of Title or Certificate of Origin, which shall be made out to the City of South Portland, Maine and mailed to the Purchasing Agent, P.O. Box 9422, and South Portland, Me 04116-9422. A copy of the title application is to be delivered with each vehicle. There shall be, within the Greater

Portland area, a repair service which shall maintain a stock of spare parts for any make and model of any vehicle that a bidder offers in the proposal.

It is the custom of the City of South Portland to pay its bills within 20 to 30 days following delivery of and receipt of bills for all items covered by the purchase order. In submitting bids under attached specifications, bidders should take into consideration all discounts, both trade and time, allowed in accordance with the above payment policy. All bidders should quote net prices, therefore, exclusive of all Federal Excise Taxes and Sales Taxes.

The City of South Portland reserves the right to waive all informalities in bids, to accept any bid or any portion thereof, or to reject any or all bids should it be deemed in its best interest to do so. Except as otherwise required by law or as specifically provided to the contrary herein, the City shall govern the award of this bid's purchasing ordinance.

Colleen C. Selberg  
Purchasing Agent

City of South Portland  
PUBLIC WORKS DEPARTMENT  
Solicitation of Bids  
**FRONT END LOADER WITH PLOW AND WING**

This specification is intended to describe a Front End Loader with plow and wing to be used for various functions in the Public Works Department. This vehicle will be a regular production model for which published specifications are available. Modifications of the vehicle to meet operational requirements of this specification shall be limited to the manufacturers published and optional standards.

**Bidders shall list and explain in writing any and all deviations from these specifications.** Bidders shall provide sufficient detail and proof needed to assist the city in fully evaluating compliance with detailed specifications. Failure to do so may result in rejection of the bid in its entirety.

*General Specifications*

These Specifications are intended to describe a Front End Loader, and is to conform to all EPA and DOT regulations in effect at the time of delivery. The vehicle shall be equipped with all standard equipment, components, and safety features necessary for operation and normally supplied, even if not identified in specifications. The equipment shall have full manufacturer's preparation, title, and be ready for service upon delivery. The equipment shall come with a full warranty and option of extended warranty.

The equipment will be delivered with all the proper paperwork to insure and register the equipment in a timely manner.

**ENGINE**

- 6 Cylinder, turbocharged, liquid cooled or air-to-air cooled diesel engine shall be certified to EPA Final Tier 4/EU Stage IV
- 186 HP @ 1800 RPM
- 415 cu. in.
- 598 Ft. lb. @ 1300 Minimum net torque
- Pressure lubrication system with full flow spin on filter and cooler
- Air cleaner dual safety element dry type with restriction indicator for service
- Service interval for the engine oil and filter shall be 500 hours
- Access to engine will be open from both sides with side opening, full access service doors
- Unit shall have a proportionally controlled, hydraulically driven, 90 degree-swing-out fan, standard equipment
- Cooling system shall be isolated from the engine compartment

**TRANSMISSION**

- 4F/3R Proportional with electronic control module torque sensing auto shift manual shift and modulation
- Shall be 4 wheel drive
- Service interval for the transmission oil filter shall be 2000 hours

**ELECTRICAL**

- 12 volt with 95 amp alternator or 24 volts with 120 amp alternator
- Master electrical disconnect switch shall be provided with lock out, tag out rings

- Wire for Napa strobe light (P/N 6600A)
- LCD tilting monitor for gauges
- Gauges to include:
  - Engine coolant temperature
  - Transmission oil temperature
  - Fuel level
  - Hydraulic oil temperature
  - Engine oil pressure
  - Battery voltage
- Digital readout gauges for the following
  - Engine RPM
  - Odometer
  - Transmission oil temperature
  - Speedometer
  - Hour meter
  - DEF Level
  - Fuel Level
- Warning lights
  - Check engine
  - Engine oil pressure
  - Engine air restriction
  - Low Battery voltage
  - Brake pressure
  - Hydraulic oil filter
  - Transmission fault
  - Hydraulic oil temperature
  - Fasten seatbelt
- Unit shall be equipped with LED type lights, all the proper lights such as headlights, turn signals, flashers, stop lights, and taillights
- Work lights both front and rear
- Battery disconnect shall be on ground side of battery

### **AXLES/BRAKES**

- Final drives shall be heavy duty inboard planetary
- Differentials shall be standard hydraulic lock front and clutch engaged rear locking differential
- Unit shall be provided with two brake pedals with an activation switch to allow left brake pedal to brake and neutralizer or brake only function
- Service brake shall be self-adjusting, inboard mounted, wet-disc, oil cooled, and hydraulically activated
- Parking brake shall be automatically spring applied, hydraulically released, disc and caliper type

### **HYDRAULICS**

- Gear type open-center system
- Loader controls shall be single lever (four function) hydraulic controls (Joystick) with FNR & 2 proportional aux controls to run attachments. Loader shall have auxiliary boom lines with quick connects for hydraulic driven attachments.
- ACS Pro Series 2000 #30 HD hydraulic coupler
- Ride Control

## **STEERING**

- Power steering fully hydraulic
- Loader steering articulation angle shall be no less than 80 degrees, 40 degrees in each direction

## **TIRES**

- Tires shall be radial over the road snow tires.
- 20.5 R25 L2 Michelin X Snow Plus tires with 3-piece rims.
- One extra tire and rim shall be provided

## **OPERATOR STATION/CAB**

- AM/FM/Bluetooth radio
- Front and rear windshield wipers
- Certified rollover protection ROPS/FOPS
- Tinted safety glass
- Inside rearview mirror
- Remote powered and heated exterior mirrors
- Dedicated monitor for rearview camera
- Air conditioning with automatic temperature control (ATC) will self adjust to maintain temperature selected by operator.
- Deluxe air ride seat with adjustable armrests, backrest tilt, and lumbar support. Seat to be heated and ventilated
- Seat belt
- Slip resistant steps
- Handholds
- Textured steering wheel with spinner knob
- Lockable storage compartment
- Dual tilt steering column/wheel
- Key start with electronic fuel shut off

## **BUCKET/LOADER**

- General purpose bucket
- 3.5 cubic yard minimum
- High lift, extra reach
- Automatic return to dig
- Self-leveling bucket
- Bolt on high tensile strength cutting edge
- Front quick connects for hydraulic driven attachments

## **PLOW AND WING**

- 11 ft plow
- 12 ft. wing
- Standard highway punch cutting edge

## **SAFETY**

- Electric horn
- Back up alarm

- All proper lights
- Two-way directional arrow mounted on back of cab.
- Beacon strobe Napa P/N 6600A and bracket

### MISCELLANEOUS

- Motorola M1225 4-channel mobile radio set up with frequencies used by the department with Antennex B132S antenna shall be installed by the City's vendor and billed to the supplier of the tractor (Whoever is awarded the bid).
- The machine shall be delivered with all proper paperwork so the City may get it insured and registered immediately.
- Time of delivery could be a factor in determining the successful bidder
- Full manufacturer's warranty
- Provide information and costs associated with any extended warranties that might be available

### TRAINING

- On-site operator and maintenance training shall be included in the bid

### MANUALS

- Shop, parts, engine, electrical, service, and safety manuals shall be provided.
- All manuals shall be provided in hard copy and electronic formats.

**ONE (1) FRONT END LOADER WITH PLOW AND WING  
BID PROPOSAL SHEET**

The UNDERSIGNED hereby proposes to furnish a Front End Loader with Plow and Wing to the Public Works Department, in accordance with the attached Invitation to Bid and specifications, and at the following price, warranty, and delivery time:

Bid Price for loader with \_\_\_\_\_  
Plow and wing package. \$ \_\_\_\_\_

Year, Make, & Model # \_\_\_\_\_

Color \_\_\_\_\_ Odometer Reading \_\_\_\_\_

Warranty \_\_\_\_\_

Delivery Time \_\_\_\_\_

Signed: \_\_\_\_\_  
(Corporation, Firm or Company)

By: \_\_\_\_\_  
(Officer, Authorized Individual or Owner)

Title: \_\_\_\_\_

Mailing Address (including Zip Code):  
\_\_\_\_\_  
\_\_\_\_\_

Date: \_\_\_\_\_

Telephone: \_\_\_\_\_

Email: \_\_\_\_\_

Note: Bids must bear the handwritten signature of a duly authorized member or employee of the organization making the bid.