

**TOWN OF ORONO**  
**NOTICE AND INFORMATION TO BIDDERS**  
**June, 2022**

The Town of Orono will receive sealed bids for the purchase of a **new or used three (3) cubic yard 4x4 Articulated Front End Wheel Loader**. In accordance with this Notice and Information to Bidders, Specifications/Bid Forms are enclosed for bidding.

The Town of Orono will make an award of the bid on the basis of price, delivery time, and meeting specifications. The Town reserves the right to reject any or all bids in whole or in part, and is not necessarily bound to accept the lowest bid if that bid is contrary to the best interests of the Town. The Town of Orono also reserves the right to negotiate with any bidder if that bidder is deemed to be most suited to the Town's needs.

Bidders shall submit their proposals on the enclosed Bid Forms. Terms, cash discounts, and delivery dates are to be specified. The price quoted is to be less any applicable Federal and Maine taxes.

All deviations from the specifications must be noted in detail by the bidder, in writing, at the time of submittal of the formal bid. The absence of a written list of specification deviations at the time of submittal of the bid will hold the bidder strictly accountable to the Town of Orono for the specifications as written. Any deviation from the specifications as written, and not previously submitted as required by the above will be grounds for rejection of the bid.

An official bid award is anticipated for **July 11th, 2022**. Price must be held firm for thirty (30) days after submittal.

**Bids** shall be placed in a sealed envelope marked "**Public Works Front End Loader**" and submitted to the Town of Orono, 59 Main St, Orono, ME 04473, **on or before 2:00 p.m. on July 7th, 2022**, at which time they will be opened. Bidders are invited to attend the opening at the Town Office Conference Room; a decision to award the bid will not be made at that time. **FAXED or E-MAILED BIDS WILL NOT BE ACCEPTED**. Should you have any questions, please contact Rob Yerxa, Public Works Director, at (207) 889-6101, or via email at [ryerxa@orono.org](mailto:ryerxa@orono.org).

Sophia L. Wilson  
Town Manager  
59 Main Street  
Orono, ME 04473  
(207) 866-2556

# Town of Orono 4WD Front End Loader and Attachment Specifications

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## Loader Specifications

- Unit shall have a minimum SAE operating weight of 30,000 lbs.
- Tip load full turn at 23,000 lbs minimum.
- Z-bar linkage system with “bucket float” and “auto return to dig” modes.
- Auxiliary hydraulic lines to be plumbed to the boom cross tube.
- Hydraulic tank sight gauge.
- Unit shall be supplied with counterweights and center rear pin connector for towing.
- Engine to be a diesel with turbocharger.
  - o The unit shall have a minimum horsepower of 175 HP.
  - o Most up-to-date emissions system to meet State and Federal requirements – i.e. Tier IV final.
  - o Direct injection.
  - o 110V Engine block heater.
  - o Cold start aid.
  - o Diesel liquid exhaust system.
- Minimum 65 gallon fuel tank
- 4-wheel drive
- Differential lock/limited slip on front and conventional rear.
- Single pedal foot throttle
- Heavy duty inboard or outboard planetary gear system on front and rear axles
- The unit shall have 20.5 x 25 radial mud and snow rated tires - Michelin X SnoPlus M + S or equal
- 12 / 24 volt electrical system with minimum 2 each heavy duty maintenance free batteries.
- Master electric disconnect switch at batteries.
- Minimum 65 amp alternator
- The unit shall have both front and rear full coverage wheel fenders that do not impede access to the engine compartment
- The unit shall have ride control function
- Brakes shall be wet disc type for all four wheels
- All exposed brake lines shall be stainless steel or other rust proof or rust proof coated material
- Equipped with travel mode or high gear with maximum sustained (up hill) travel speed no less than 25 mph

## Cooling System

- Heavy duty design and construction with ample capacity for continuous high engine output under extreme temperatures and/or operating conditions
- Heavy duty metallic radiator guard
- All bolted metal construction
- Swing out radiator system for easy cleaning preferred

## Cab Specs

- Cab shall be a sound suppressed R.O.P.S. cab that meets all applicable Federal, State, and OSHA regulatory requirements.
- Dash instruments shall include:

- Tachometer
- Speedometer
- Oil Temperature
- Oil Pressure
- Water Temperature
- Volt Meter
- Amp Meter
- Fuel Gage
- DEF level indicator
- 12 volt in-cab plug in adaptor auxiliary power outlet
- 24 to 12 volt (20 amp minimum) converter for 2-way radio attachment.
- Engine hour meter
- Backup alarm
- Color backup camera system with minimum 4" viewing screen
- Factory installed AM/FM Radio with bluetooth capability with factory installed speaker
- USB ports
- Electric horn
- Rubber floor mat.
- Sun visor
- Interior mirror
- Tilt steering wheel
- Exterior heated mirrors
- Cab fan
- Defroster / heater / air conditioner system with cab air filtration
- Heavy duty 2-speed front and rear window wipers with variable time delay
- Front and rear window washer systems.
- The air ride seat shall be adjustable with cloth material
- Dome light.
- The cab shall have at least four front and four rear high intensity working LED lights
- The unit must be equipped with headlights, brake lights, and directional signals as required for highway use
- The unit shall have two front and two rear green & amber LED strobe lights mounted in the light pockets.
- Fluid film rust proofing on the underside of the unit
- Wheel chock and holder
- 5 pound ABC fire extinguisher mounted in the cab or other easily accessible location as approved by Public Works

#### Miscellaneous

- Any computer controlled function must have the ability to be bypassed in order to obtain a "Limp Home" mode of travel.
- Auto engaging parking brake when the unit is shut down with key.
- Factory safety locks for articulating and boom joints to be included.
- Hydraulic system shall have a 4-function valve with push button controls to run the following attachments:

- Bucket
- V-plow (4-function – scoop, V, left angle, right angle)
- Box Plow (2-function - left and right angle)
- Unit shall be supplied with an in-cab controlled hydraulically actuated JRB Model adaptor/coupler to attach and detach attachments
- All filters and lube point shall be from ground level
- All pressurized filters to be spin-on type
- Included in the bid shall be one complete set of spare filters (air, oil, hydraulic and fuel) and first service provided on-site at 135 Kelley Road, Orono.
- Included in the bid shall be one complete set of spare belts
- Manuals shall include one (1) set of the following in both digital and print:
  - Operator Manual
  - Maintenance and Service manual
  - Line chart
  - Parts manual
- Mounted, lockable tool box (optional but preferred).
- Access ladders meeting OSHA safety requirements with lowest step mounted with flexible support material

### **Attachment Specifications**

#### **General Purpose Bucket**

- Minimum 3.0 cubic yard capacity
- Suitable for gravel
- Bolt-on cutting edge
- Ability for hydraulic quick-connect

### **General Requirements**

- Included in the bid shall be minimum 1 hour training for operators and 1 hour basic maintenance training for mechanics.
  - Unit shall be delivered to the Town of Orono at 135 Kelley Road fully serviced; fluids full and ready to go.
  - All steps to assemble the unit with the above items are the responsibility of the bidder.
  - Statement of Warranty. Minimum five (5) year full coverage for powertrain required
  - Statement of name and address of local Authorized Service Representative.
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**TOWN OF ORONO**  
**BID FORM: 3 CUBIC YARD 4X4 FRONT END LOADER**

**Please Note:** The Town of Orono has a 2003 Komatsu WA250 4x4 front end wheel loader with approximately 12,500 engine hours for a trade-in. Inspections of the unit can be made at the Orono Public Works Department, 135 Kelley Road.

	<b>Bid Price without Trade In</b>	<b>Bid Price with Trade In</b>
<b><u>New 3 Cubic Yard 4x4 Front End Loader</u></b>	\$ _____	\$ _____
Specify Make and Model of Loader _____		
Delivery date for Front End Loader _____ weeks.		

<b><u>Used 3 Cubic Yard 4x4 Front End Loader</u></b>	\$ _____	\$ _____
Specify Make and Model of Loader _____		
Delivery date for Front End Loader _____ weeks.		

We are aware that the bid will not be awarded until July 12th, 2022. We will deliver the equipment on the delivery schedule noted above following notification of the award.

_____ Signature	_____ Date
_____ Printed name and title	
_____ Company name	
_____ Address	
_____ Contact information (phone / email)	