

CITY OF ROCHESTER, NH
31 Wakefield St. Rochester, NH 03867
INVITATION TO BID

City of Rochester, NH is soliciting a competitive bid;

1. **BID: Bid 24-11 Compact Track Loader**
2. **BID Submission Options-Hardcopy, or Electronically:**
 - a) Submit Hardcopy via USPS, FEDEX, or UPS: City of Rochester, NH, Purchasing Agent 31 Wakefield St. Rochester, NH 03867. Reference **Bid 24-11** on package. In-person drop offs are to go to the Finance Office at City Hall, 31 Wakefield Street, Rochester, NH 03867.
 - b) Submit Electronically via Email: RFP24-11@rochesternhnet.onmicrosoft.com
Include in Email subject line: **Bid 24-11**. An automated email confirmation will be generated to bidder once bid has been received. It is bidder's responsibility to ensure proper email submission of bid, and to monitor for the confirmation email.
3. **Bid Receipt Date & Time:** No later than **September 13, 2023 at 5:00pm.**
4. **Bid Opening Date & Time:** **September 14, 2023 at 3:00 PM** .Opening will be conducted in person in the Council Chambers, 31 Wakefield Street, Rochester, NH 03867.
5. **Bid Specifications, Questions & Addendums (Q&A):** Can be obtained by visiting <https://rochesternh.gov/bids> see **OPEN BIDS** section. Or contact City of Rochester, NH Purchasing Agent 31 Wakefield St. Rochester, NH 03867, purchasing@rochesternh.gov, 603-335-7602. Note Q&A updates will end one week prior to bid opening.
6. **Bid Results:** Results can be obtained at <https://rochesternh.gov/bids>, in **CLOSED BIDS** section. Select the specific bid to see all results, or contact Purchasing Agent.

SCOPE OF WORK

OPERATING WEIGHT:

Minimum of 9,000 pounds., as per these specifications.

OPERATOR STATION:

The unit shall be equipped with deep skid-resistant, self-cleaning steps. The unit shall be equipped with an High Back, Heated, "Air Ride" Suspension Seat with lumbar and recline adjustments. The unit shall have a one piece sealed & pressurized ROPS/FOPS protective structure (cab) rated to at least 14,500 lb, with a Polycarbonate Door. The unit shall be equipped with adjustable boom / bucket response control, adjustable drive response control as well as travel speed control (creeper). The unit shall be equipped with a single, electrically operated joystick that controls the lift, lower and tilt functions. The unit shall have a retractable seat belt. The unit shall come standard with an arm bar that when lifted, automatically engages the machine parking brake for added operator comfort and safety. The unit shall be equipped with ROPS/FOPS. The unit shall have audible warning alarms for engine coolant temperature, engine oil pressure and hydraulic oil temperature. Unit shall have a hydraulic lockout mechanism that prevents loader arm movement with door in open position. Unit shall be equipped with a convex, rearview mirror for superior visibility to the rear and sides of the machine. Unit shall have removable side windows that require no use of tools to remove for easy cleaning. Side windows shall have two sliding panes, front and rear, to provide protection from the elements and allow fresh air ventilation. Unit shall have an HVAC system, the AC condenser shall not be mounted on any other cooling core(s), and have independent electrical cooling fans, separate from the main cooling fan. The unit shall have a 5-inch, full color, LCD display with video capability. The machine display shall provide on screen adjustment capability for creep setting, ride control activation speed, top speed limit setting, English/Metric units, and a choice of different languages. Unit shall have a rear-view camera. Unit shall have cellular based tracking providing machine hours and machine location. Unit shall have Bluetooth capability and Microphone integrated with an AM/FM/Weather Band Radio with USB and Auxiliary Input Jack.

ENGINE:

Turbo charged, four-cylinder 74 (SAEJ1995) horsepower Tier 4F diesel engine with 12-volt electric starter, glow plug cold weather starting aid, engine block heater. Engine to be protected with extended life anti-freeze. The cooling fan shall not be belt driven, but should be powered by a hydraulic motor that is demand driven (activated by an electrical solenoid) based on climate and heat loads

ELECTRICAL:

12-volt electrical system. Alternator shall be a minimum of 80 amp., Single Heavy-Duty Battery with a minimum of 850 CCA. Unit must have horn and back-up alarm. Unit must have internal 12-volt powerpoint. All Electrical wires must be color coded and numbered. Unit must have a battery disconnect switch (master switch) must be available which will provide a basic level of machine security and prevent battery drain during periods of inactivity.

LIGHTS:

Unit shall have 2 adjustable, cab mounted front working lights and 2 frame mounted, rear working lights. Unit shall be wired for a strobe light.

POWERTRAIN/TRANSMISSION:

Unit shall have two hydrostatic axial piston drive pumps that are splined directly to the engine via a flexible coupling for maximum efficiency, reliability and serviceability and shall power the final drive motors, driving the tracks. Unit shall have 2-Speed's, minimum speed in 1st gear shall be 5.9 mph, minimum speed in 2nd gear shall be 8.5 mph. Unit shall have planetary gear reduction final drive.

STEERING:

Unit shall be equipped with a single, electrically operated joystick that controls the forward/reverse and steering directions. Full turning radius from the center/coupler without a bucket shall be no greater than 54.8 in.

BRAKES:

Unit shall have a spring applied, hydraulically released parking brake that shall automatically engage when arm bar is raised and shall be designed to hold machine static at any point on a 2 to 1 slope.

AXLES:

Unit shall have 4 heavy-duty torsion axles to suspend each side of the undercarriage from the machine frame and shall be shock absorbing.

UNDERCARRIAGE:

The track shall consist of molded rubber with embedded steel bars that span the width of the track. The track shall be a minimum of 15.7' and have a bar tread design which provides lower ground disturbance on finished surfaces and improved traction in snow compared to conventional block tread track. The track shall consist of continuous wound steel cables that provide tensile strength so that the track does not stretch. The undercarriage shall not be directly mounted to the machine frame but shall instead be suspended on a torsion axle suspension system to minimize machine stresses and maximize traction. The undercarriage shall contain single flange steel rear idlers to reduce material buildup and improve clean out. The undercarriage shall contain dual flange steel front idlers to provide a smoother ride. Unit shall have a minimum ground clearance of no less than 8.9 in. Unit shall have a maximum ground pressure of 4.8 psi. Overall length of track shall be 78.7 in. Length of track on the ground shall be 59.0 in. Machine weight shall be evenly distributed across the entire width and length of the track via multiple sets of rollers to disperse pressure and maximize traction and flotation. Undercarriage shall consist of an open design that allows easy cleaning of components. Elevated positive track drive shall keep drive components away from ground debris.

HYDRAULIC SYSTEM:

Unit shall be equipped with a single, electrically operated joystick that controls the lift, lower and tilt functions. Unit shall be equipped with auxiliary hydraulics activated by a thumb switch located on the right joystick. The hydraulic pumps shall be driven directly off the engine for maximum hydraulic performance and reliability-no belts shall be used. Unit shall be High Flow, with a minimum of 30 gal/min, with a minimum pressure of 3,335 psi. Calculated hydraulic horsepower shall be a minimum of 58 hp. Unit shall be equipped with a hydraulic tank that has an anti-cavitation feature. Unit shall be equipped with a hydraulically driven fan, eliminating maintenance costs and friction losses associated with a belt. Unit shall have Dual, variable-displacement, axial piston pumps and shall be driven off the engine and provide hydraulic flow to the drive motors via a closed loop system. The drive and implement hydraulic pumps shall be electrically actuated and may not be actuated via any mechanical linkages.

LOADER LINKAGES / STRUCTURES:

Loader linkage shall be of a vertical lift style. The vertical lift linkage shall provide a consistent and uniform lift path for maximum reach throughout the entire lift cycle. The pins shall have countersunk grease fittings to protect them from damage. The unit shall be equipped with two tilt cylinders, protected by a heavy-duty torque tube. The unit shall have a tipping capacity of at least 6000 lbs., with a minimum rated operating capacity at 35% tipping of 2200 lb., with a minimum rated operating capacity at 50% tipping load of 3,100 lb., with a rated operating capacity (50%) with counterweight shall be no less 3100 lb. The unit shall have a dump angle of at least 52.0° for superior bucket cleanout. The unit shall have a maximum hinge pin height of at least 121.0 in., reach at maximum lift and dump shall be at least 23.9 in, clearance at maximum lift and dump shall be at least 89.9 in, rack back angle at maximum height shall be a minimum of 87 degrees. Minimum reach with arms parallel to the ground shall be 51.4 in. Tilt cylinder breakout force shall be at least 4950 lb., lift cylinder breakout force shall be at least 4650 lb. Electronic work tool return to dig feature and electronic work tool positioner shall be standard.

COUPLER

Unit shall have a universal coupler interface to easily change work tools. Coupler shall have the following features: a low-profile side plate designed for optimum match to work tools and minimal material packing, opposing wedges to ensure a tight tool fit, large contact areas to absorb loads and minimize stress, chrome plated and lubricated vertical pins for smooth engagement and prevention of corrosion. The quick coupler shall be activated from inside the cab to allow engagement and disengagement without needing the operator to exit the machine.

WORK TOOLS/OTHER:

Unit shall have auxiliary Counterweights

Unit shall have a minimum of a 74" GP Bucket with Bolt on Edge (.57 Cubic Yards)

Unit shall have a 7' Trip Edge V-Plow, 84" Straight, 73" Angled, 73" Scooped, 78" V, 33" High, 4 Trip Springs

Unit shall have a 72" Working Width High Flow Industrial Brushcutter, with Heavy Duty Motor Guard, Heavy Duty Skids and Galvanized Coil Chains

SERVICEABILITY:

Maintenance points shall be grouped in easily accessible, ground level locations. The unit shall be equipped with grouped filter configuration with fuel/water separator filter and hydraulic oil filter being cartridge style. The engine shall be mounted lengthwise for better accessibility. The radiator and hydraulic oil cooler shall be protected by a guard/grill which shall tilt up to gain access to the cores. The unit shall be equipped with sight gauges on the hydraulic tank and the radiator. The unit shall be equipped with standard system pressure and fluid analysis test ports. The unit shall have an electronic port allowing electronic machine diagnostics. The unit shall have a cab that tilts to the rear by an individual using hand tools and shall expose all pumps, motors, valves and lines. Cab shall be held in place when tilted by a self-latching mechanism. The unit shall not have any required daily maintenance points that require lifting of the cab structure. Unit shall have a vented, steel, rear door, with a bumper that slightly protrudes beyond the door, to prevent damage to engine compartment components. The rear door shall open to provide for easy access to both sides of the engine without the need for hand tools. Unit shall have a removable belly pan section in the floor of the machine's lower frame shall provide excellent access for periodic cleaning. All filters shall be easily accessible from the ground, which makes routine service quicker and virtually spill free. Recommended engine oil change interval shall be 500 hours. The unit shall be equipped with hydraulic oil that can achieve 6000-hour life with regular oil sampling and recommended filter changes.

MINIMUM SERVICE FILL CAPACITIES:

The machine shall have a hydraulic oil tank capacity of at least 10.3 gal.

Hydraulic system shall hold 13.2 gal.

Fuel tank shall hold 24.8 gal.

Engine crankcase shall hold 3.0 gal.

Engine cooling system shall hold 3.7 gal and be Extended Life Coolant.

WARRANTY:

Unit shall have a 5 Year/2500 Hour Full Machine Warranty

MANUALS:

Unit shall have a printed Owner's Manual, Part's Manual, as well as a Service Manual

OPTIONS:

Please provide an Optional Cost to include a Debris Kit which will restrict debris and other materials from entering engine compartment. Must include seals and covers that are designed to cover the openings that exist between the frame/body/cab of the machine as well as a fuel strainer and exhaust stack cover. Included must be a Turbo Guard, which must include steel mesh guards that are designed to cover the exhaust manifold and turbocharger.

INSTRUCTION TO BIDDERS

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- II. IRREGULAR PROPOSALS**
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- XIII. INSURANCE & LEGAL BUSINESS ENTITY**
- XIV. DEFAULT & TERMINATION OF CONTRACT**
- XV. OPENING BID RESULTS**
- XVI. BID FORM**

I. PREPARATION OF BIF PROPOSAL

1. The Bidder shall submit her/his proposal upon the form(s) furnished by the City (attached). The bidder shall specify a unit price for each pay item. All figures shall be in ink or typed.
2. If a unit price or lump sum bid already entered by the bidder on the proposal form is to be altered it should be crossed out with ink, the new unit price or lump sum bid entered above or below it, and initialed by the bidder, also with ink. In case of discrepancy between the prices written in words and those written in figures, the prices written in words shall govern.
3. The bidder's proposal must be signed with ink by an individual authorized by company to execute the proposal. Required information shall be name of authorized individual, title of individual, legal business name, address, email, and telephone number.
4. All questions shall be submitted in writing to and received by the Purchasing Agent at the above address, a minimum of 7 days prior to the scheduled bid opening. The Purchasing Agent, will then forward both the question and the city's response to the question to all known prospective bidders.

II. IRREGULAR PROPOSALS

Bid proposals will be considered irregular and may be rejected for any of the following reasons:

1. If the proposal is on a form other than that furnished by the Owner or if the form is altered or any part thereof is detached.
2. If there are unauthorized additions, conditional or alternate bids, or irregularities of any kind which may tend to make the proposal incomplete, indefinite or ambiguous as to its meaning.
3. If the bidder adds any provisions reserving the right to accept or reject an award, or to enter into a contract pursuant to an award.
4. If the proposal does not contain a unit price for each pay item listed, except in the case of authorized alternate pay items.

III. DELIVERY OF BID PROPOSALS

When sent by mail, the sealed proposal shall be addressed to the City of Rochester, Purchasing Agent, 31 Wakefield Street, Rochester, NH 03867. All proposals shall be filed prior to the time and at the place specified in the invitation for bids. Proposals received after the time for opening of the bids will be returned to the bidder, unopened. Emailed or faxed bid proposals are not acceptable.

IV. ELECTRONIC BIDS: Due to Covid-19 the City of Rochester has incorporated an electronic bid process. If an electronic format is to be utilized specific submission instructions will be identified in the bid cover page.

V. WITHDRAWAL OF BID PROPOSALS

A bidder will be permitted to withdraw his proposal unopened after it has been deposited if such request is received in writing prior to the time specified for opening the proposals.

VI. PUBLIC OPENING OF BID PROPOSALS

Proposals will be opened and read publicly at the time and place indicated in the invitation for bids. Bidders, their authorized agents, and other interested parties are invited to be present.

VII. DISQUALIFICATION OF BIDDERS

Either of the following reasons may be considered as being sufficient for the disqualification of a bidder and the rejection of her/his bid proposal(s):

1. Evidence of collusion among bidders.
2. Failure to supply complete information as requested by the bid specifications.

VIII. CONSIDERATION OF PROPOSALS

1. Bids will be made public at the time of opening and may be reviewed only after they have been properly recorded. In case of discrepancy between the prices written in words and those written figures, the prices written in words shall govern. In case of a discrepancy between the total shown in the proposal and that obtained by adding the products of the quantities of items and unit bid prices, the latter shall govern.
2. The right is reserved to reject any or all proposals, to waive technicalities or to advertise for new proposals, if in the judgment of the City, the best interest of the City of Rochester will be promoted thereby.
3. Bid results will be available on the website at www.rochesternh.net within 48 hours of the bid opening.

IX. AWARD OF CONTRACT

The City holds the right, in its judgment, to award the contract to the bidder, which it feels is in the best interest of the City. If a contract is to be awarded, the Contractor/Vendor selection shall be based in part on possession of the necessary experience, organization, technical and professional qualifications, skills and facilities, reference checks, project understanding, approach, ability to comply with proposed or required time to completion or performance, licensing or certification, in good standing with Federal, State and Local agencies, possession of satisfactory record of performance, cost and to a responsible and qualified bidder whose proposal complies with all the requirements prescribed as soon as practical after the bid opening. No bid shall be withdrawn for a period of (60) sixty days subsequent to the opening of bids without the consent of the City of Rochester. The successful bidder

will be notified, by the form mailed to the address on his proposal, that his bid has been accepted and that he has been awarded the contract.

X. CANCELLATION OF AWARD

The City reserves the right to cancel the award of any contract at any time before the execution of such contract by all parties without any liability or other claim against the City.

XI. BID EVALUATION

In addition to the bid amount, additional factors will be considered as an integral part of the bid evaluation process, including, but not limited to:

1. The bidder's ability, capacity, and skill to perform within the specified time limits.
2. The bidder's experience, reputation, efficiency, judgment, and integrity.
3. The quality, availability and adaptability of the supplies and materials sold.
4. The bidder's past performance.
5. The sufficiency of bidder's financial resources to fulfill the contract.
6. The bidder's ability to provide future maintenance and/or services.
7. Any other applicable factors as the City determines necessary and appropriate (such as compatibility with existing equipment).

XII. LAWS, PERMITS AND REGULATIONS

1. The Contractor shall obtain and pay for all licenses and permits as may be required of him by law, and shall pay for all fees and charges for connection to outside services, and use of property other than the site of the work for storage of materials or other purposes.
2. The Contractor shall comply with all State and Local laws, ordinances, regulations and requirements applicable to work hereunder, including building code requirements. If the Contractor ascertains at any time that any requirement of this Contract is at variance with applicable laws, ordinances, regulations or building code requirements, she/he shall promptly notify the City of Rochester in writing.

XIII. INSURANCE & LEGAL BUSINESS ENTITY

1. Contractor and any related subcontractors will carry appropriate liability insurance, and be a legal business entity authorized to conduct business in the State of New Hampshire.

XIV. DEFAULT AND TERMINATION OF CONTRACT

If the Contractor:

1. Fails to begin work under Contract within the time specified in the notice to proceed; or
2. Fails to perform the work with sufficient workers and equipment, or with sufficient materials to assume prompt completion of said work; or
3. Performs the work unsuitably or neglects or refuses to remove materials or to perform anew such work as may be rejected as unacceptable and unsuitable; or
4. Discontinues the prosecution of the work; or
5. Fails to resume work, which has been discontinued, within the time frames included in specifications; or
6. Becomes insolvent or has declared bankruptcy, or commits any act of bankruptcy or insolvency; or
7. Makes an assignment for the benefit of creditors; or
8. For any other causes whatsoever, fails to carry on the work in an acceptable manner the City of Rochester will give notice, in writing, to the Contractor for such delay, neglect, and default.

If the Contractor does not proceed in accordance with the Notice, then the City of Rochester will have full power and authority without violating the Contract to take the prosecution of the work out of the hands of the Contractor. The City of Rochester may enter into an agreement for the completion of said Contract according to the terms and conditions thereof, or use such other methods as in the City's opinion will be required for the completion of said Contract in an acceptable manner.

All extra costs and charges incurred by the City of Rochester as a result of such delay, neglect or default, together with the cost of completing the work under the Contract will be deducted from any monies due or which may become due to said Contractor. If such expenses exceed the sum which would have been payable under the contract, then the Contractor shall be liable and shall pay to the City of Rochester the amount of such excess.

XV. OBTAINING BID RESULTS

Bid results will be available on the website at www.rochesternh.gov within 48 hours of the bid opening.

BID PROPOSAL FORM
Bid # 24-11

Make of Unit: _____

Model of Unit _____

Year of Unit: _____

Cost of Unit: \$ _____

Optional Cost for Debris/Turbo Guard:\$ _____

Legal Business Name:

Address: _____

City: _____ State: _____

Zip: _____

Primary Phone: _____ E-Mail _____

Mobile: _____ Fax: _____

Prices Good through date: _____

Authorization:

Print Name and
Title _____

Signature: _____ **Date:** _____

Bid results will be posted after 48 hours on the City of Rochester's web site:
www.rochesternh.gov or will be available by request via e-mail at the following address:
purchasing@rochesternh.gov