



Public Works
Department

City of Grand Forks

724 N. 47th St. • P.O. Box 5200 • Grand Forks, ND 58206-5200

(701) 738-8740

Fax (701) 738-8749

NOTICE TO CALL FOR BIDS

Notice is hereby given that the City of Grand Forks Public Works Department is requesting sealed bids for the following:

Landfill Front End Loader

Please go to www.grandforksgov.com, for information on how to bid along with the bidding documents and specifications. Contact Sharon Lipsh, Public Works Director, at 701-738-8891 or slipsh@grandforksgov.com with questions.

Maureen Storstad
Director of Finance and Administrative Services

City of Grand Forks Public Works Department

General Specifications

1. The loader to be furnished is to be the manufacturer's latest model and design and properly equipped for use in a landfill.
2. Manufacturer to furnish descriptive literature complete with specifications of equipment bid including literature for the protective guarding necessary for landfill operations.
3. Any deletions, variations, or exceptions to the specifications must be submitted with the Bid.
4. The unit price shall be F.O.B. Grand Forks, North Dakota. The unit shall be complete and ready to operate at the point of delivery.
5. The total bid price shall not include any North Dakota sales tax for which an exemption certificate can be furnished.
6. The successful bidder, when accepting the award, agrees that a complete inventory of repair parts will be maintained in stock for immediate delivery when needed. The successful bidder shall also furnish a guaranteed 48-hour parts and service guarantee for a period of three (3) years or 6,000 hours. If parts are not furnished within 48 hours, the bidder will supply a replacement machine in lieu of parts to be used until the equipment is repaired.
7. The successful bidder agrees to furnish the city two complete sets (qty 2) of books which include: Operator's Manual; Service and Repair Manual; Electrical, and Parts Manual; and/or software.
8. Bidders must comply with all conditions in the bid specifications.
9. The successful bidder will be required to furnish a factory-trained representative, as part of the bid price, to instruct City personnel in the proper safe operation and maintenance of the equipment bid. A minimum of eight (8) hours of operational training and eight (8) hours of maintenance training are required.
10. Basic warranty will consist of the normal standard machine warranty, and in addition, all power train components (i.e., engine, torque converter, transmission, drive lines, differentials, etc.) shall have a five (5) year or 10,000-hour warranty.
11. The specific terms of all the machine warranties shall be attached to, and be made part of, the bid proposal. All warranties are to include parts, labor, pickup, and delivery.
12. The bidder will guarantee the bid price for 60 days from date of the bid.
13. The City reserves the right to waive any irregularities, reject any or all bids, or to accept the bid that is deemed to be in the best interest of the City.
14. The machine bid is to be considered of substantial construction to withstand the rigors of landfill use.

The bidder hereby certifies that the equipment offered meets or exceeds all specifications, requirements, and performance criteria as listed in the City's Invitation for Bids, without exception, deviation, substitution, or qualification, unless expressly identified and approved in writing by the City prior to bid opening.

Vendor Signature _____ Date _____

Printed Name and Title _____

**City of Grand Forks Sanitation Department
Specifications for Landfill Front End Loader
Bid 2026-5**

COMPLY

MODEL

John Deere Model 744, CAT Model 966, or equivalent. Shall be equipped with the landfill package to include extra guarding. Yes No

ENGINE

Six cylinder, turbocharged, charge air cooled diesel engine and shall be designed and built by the manufacturer. Yes No

Engine shall be certified to EPA Final Tier 4 emissions. Yes No

Engine shall have a wet-sleeve cylinder liner design for improved cylinder cooling over dry-sleeve and cast-in-bore design and for improved cylinder and piston ring durability. Yes No

Engine net peak power shall be no less than 310 hp (316 kW) at 1500 rpm. Yes No

Engine shall develop at least a 50% torque rise and should have at least 1,100 lb-ft (1491 Nm) at 1400 rpm net peak torque. Yes No

Fuel system shall be high-pressure, common rail. Yes No

Daily check points shall be accessible from one side of the engine and shall be done from ground level. Yes No

Under-hood engine air cleaner shall be dry type, dual element with a restriction sensor and in-cab restriction warning light. Must be able to access air cleaner without tools. Yes No

The loader will have under hood pre-screened air intake to minimize plugging and centrifugal engine air intake pre-cleaner for heavy airborne debris or dust. Yes No

Engine access from both sides with side opening, full-access service doors. Yes No

Service interval for the engine oil and filter shall be 500 hours. Yes No

The unit shall have an auto-idle, auto-shutdown feature for the engine as standard equipment. Yes No

COOLING

Unit shall have a proportionally controlled, hydraulically driven, 90 degree-swing-out reversible fan with 20 to 90 minute programmable reversing intervals. Yes No

The unit will have two-sided access to all coolers. Yes No

Air intake shall be pre-screened .12 inches (3 mm perforations) for each cooling component. Yes No

Cooling system shall be isolated from the engine compartment. Yes No

Unit shall have a coolant recovery tank provided. Yes No

COMPLY

Unit shall have a fan-guard. Yes No
Fluid levels should be easily checked by sight gauges or overflow tank. Yes No

POWER TRAIN

Unit shall have a lock-up torque-converter, countershaft-type power shift transmission, 5 forward, 3 reverse speeds. Yes No

The transmission shall be electronically controlled, adaptive, with load and speed dependent shift modulation. Yes No

Shift modes shall be manual, auto to 1st or 2nd, kick down or kick up/down. There will be three clutch cutoff settings adjustable from the switch pad in the cab. Yes No

Service interval for the transmission oil filter shall be 2000 hours. Yes No

The transmission clutch calibration shall be engageable from the cab monitor and shall have three clutch cutoff settings adjustable on the switch pad. Yes No

Unit shall be equipped with a selectable wheel spin limiting device that limits wheel spin in loose or slippery ground conditions while loading the bucket. Yes No

Unit shall have joystick mounted F-N-R and gear-select lever, kick down button on hydraulic lever. Will also have quick shift feature that allows push button gear changes, one gear at a time. Joystick with integrated 3rd/4th function rollers. Yes No

Sight gauge showing transmission fluid shall be at ground level. Yes No

Transmission filter restriction shall be displayed in the cab. Yes No

The transmission shall be able to reach 24 mph in 5th gear. Yes No

5-speed lock-up torque converter transmission for improved fuel economy and productivity. Yes No

AXLES/BRAKES

The final drives shall be heavy-duty inboard planetary. Yes No

The loader shall have two brake pedals with an activation switch to allow left brake pedal to switch between a brake neutralizer or brake only function. Yes No

The service brake shall be hydraulically actuated, inboard sun shaft mounted, pressure oil cooled, self-adjusting disc, sealed from water, mud and dust contamination. Yes No

The brakes shall have easy access for inspection. Yes No

The parking brake shall be automatic spring applied, hydraulically released, driveline mounted, oil-cooled, multi-disc and sealed from water, mud and dust contamination. Yes No

Axle breathers shall be elevated to reduce contamination. Yes No

Rear axle oscillation, stop to stop shall be 26 degrees, equipped with **Firestone 26.5R25 L-5 26-ply tubeless tires.** Yes No

The dipstick port and housing fill shall be at the top of the axle. Yes No

The front and rear axles shall be hydraulically actuated, engage/disengage on the go disc clutch style, locking differential for maximum traction when Yes No

COMPLY

required but with less tire wear than limited slip or no-slip differentials.

Axle coolers.

Yes No

Axle seal guards.

Yes No

HYDRAULIC SYSTEM

The hydraulic filter shall be in-tank, vertical mounting with service interval of 4000 hours.

Yes No

The hydraulic system shall be load-sensing for reduced fuel consumption and better fluid heating compared to open center hydraulic system.

Yes No

Hydraulic tank capacity shall be no less than 37.5 gallons for extended hydraulic fluid intervals and cooler system temperatures.

Yes No

Unit will be provided with automatic return to dig to level attachment.

Yes No

Unit will be provided with an in-cab adjustable automatic boom return-to-carry control.

Yes No

Unit will be provided with an in-cab adjustable automatic boom height kick out control.

Yes No

A sight gauge will be provided for checking hydraulic reservoir fluid.

Yes No

Hydraulic pump shall be variable-displacement, axial-piston pump, closed-center.

Yes No

Loader steering articulation angle shall be no less than 80 degrees, 40 degrees in each direction.

Yes No

3rd spool valve.

Yes No

ELECTRICAL

Two batteries shall be included, 12-volt, 1400 CCA, 200-min. rated reserve.

Yes No

The electrical system shall be 24 volt to 12 volt with 30 amp converter and 150-amp alternator.

Yes No

The unit shall have a solid-state electrical power distribution system using circuit board technology and solid-state switches.

Yes No

Front and rear work LED lights.

Yes No

The unit shall be provided with a master electrical disconnect switch.

Yes No

The cab will be wired LED rotating beacon/strobe light.

Yes No

The in-cab switch module shall be sealed to keep out dirt, dust and airborne debris.

Yes No

Unit shall be equipped with LED driving lights with guards, turn signals and flashers, stop and taillights. The taillights shall be LED type mounted high up in the rear grille for protection from damage and better sight visibility and shall have a normal service life equal to the machine.

Yes No

Unit shall be equipped with simulated analog gauges for: engine coolant temperature, transmission oil temperature, hydraulic oil temperature, and engine oil pressure.

Yes No

Unit shall have digital readout for: engine rpm, odometer, transmission gear

Yes No

COMPLY

indicator, speedometer, hour meter, fuel level, and outside temperature.

A protected electrical hookup on the mass by the hydraulic bank for the currently owned v-plow. Yes No

Unit shall have operator warning light for: check engine, engine oil pressure, engine air restriction, battery voltage, transmission filter restriction, brake pressure, hydraulic oil filter, transmission fault, and hydraulic oil temperature. Yes No

OPERATOR STATION

The loader shall be equipped with canopy with ROPS/FOPS protection and be multiplane isolation mounted for noise/vibration reduction with manufacture installed air conditioning and heater defroster package. Yes No

3" retractable seat belt shall be provided. Yes No

Shall have centrifugal cab fresh air pre-cleaner for heavy airborne debris and dust. Yes No

Shall have heated mirrors for cold weather environments. Yes No

Shall have upgraded leather heated seat with headrest and independent height and weight adjustment for operator comfort and cold environments. Yes No

No steering wheel. Should be operated by joystick. Yes No

3-point contact at all times at the front and rear of the loader and around the roof-line. Yes No

The cab shall have continuous and unobstructed glass from the roofline to floor for visibility in tight quarters. Yes No

Cab shall have two cup holders, personal cooler holder/storage compartment for operator's manual and rubber floor mat. Yes No

GENERAL SPECIFICATIONS

The loader shall have environmental drains and oil sampling for the engine oil, transmission oil, hydraulic oil, and engine coolant. Yes No

Front tires shall be covered with fenders. Yes No

The counterweight shall be built in. Yes No

Unit shall be provided with a drawbar with locking pin. Yes No

Unit shall have an articulation locking bar. Yes No

Unit shall have a vandal protection package that includes a lockable engine enclosure, right counterweight storage, battery box, filler access for radiator, fuel, hydraulic, transmission. Yes No

The unit shall be provided with a loader boom service locking bar. Yes No

Loader shall have reinforced articulation joints with double tapered roller bearings. Yes No

Fuel tank capacity shall be no less than 126 gallons with ground-level fueling. Yes No

Operating weight shall be no less than 54,900 lbs. (24,900 kg). Yes No

COMPLY

Bucket breakout force shall be no less than 38,000 lb. with Standard Z-bar linkage. The loader shall be furnished with one (1) new 5.25 cubic yard (SAE heaped) heavy-duty bucket constructed of abrasion-resistant steel, featuring a straight, horizontal top edge parallel to the cutting edge with full-width, vertical side plates (no sloped, tapered, or angled top designs permitted), and equipped with a smooth, bolt-on cutting edge suitable for landfill and C&D applications. Must come with ACS carrier to fit existing attachments. Yes No

Ground clearance under the loader shall be no less than 18". Yes No

Loader shall have height to hinge-pin (fully raised) no less than 14'. Yes No

Machine static tipping load (full turn) shall be not less than 34,252 lb, measured at 40° (or 37°) articulation, with tire deflection. Yes No

Dump clearance at 45 degrees shall be no less than 9' 8". Yes No

Reach at 45 degrees dump shall be no less than 4' 3". Yes No

Advanced vision camera system which should include a rear camera and a safety detection system. Yes No

Installed auto-lube system designed to handle rigors of landfill use. Yes No

Front and rear differential shall have automatic axle lock for full 4-wheel drive. Yes No

Hydraulically operated front and rear belly pans. Yes No

FRAMES AND STRUCTURES

Machine front frame shall be of a 4-plate design of four vertical plates extending from boom pivot pins reaching to the front axle to distribute boom loads on the axle. The design is superior to the two-plate frames. Yes No

Loader bucket bell-crank linkage shall be fabricated of high strength steel for increased durability and strength over castings. Yes No

The bidder hereby certifies that the equipment offered meets or exceeds all specifications, requirements, and performance criteria as listed in the City's Invitation for Bids, without exception, deviation, substitution, or qualification, unless expressly identified and approved in writing by the City prior to bid opening.

Vendor Signature _____ Date _____

Printed Name and Title _____



CITY OF GRAND FORKS, NORTH DAKOTA REQUEST FOR SEALED BID FORM

Bid # 2026-5

Bid Closing Date and Time: March 13, 2026 at 1:00 PM

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|--|---|
| <p>Instructions for submitting sealed bid:</p> <ol style="list-style-type: none"> 1. All bids must be submitted sealed and properly labeled with the Bid Number clearly marked on outside of bid package. 2. If an addendum has been issued for this bid, an acknowledgement of the addendum must be clearly marked on the outside of the bid package next to the Bid Number. 3. A copy of this form signed by an authorized representative of the Vendor and must be included with bid submission. Additional detailed pricing and specifications may also be provided as an attachment to this form. 4. Bids received after the bid closing date and time, improperly labeled bids or those not containing a signed bid form will be rejected. | <p>Addresses for submission of bids:</p> <p>If returning via USPS: Finance Department – City of Grand Forks PO Box 5200 Grand Forks, ND 58206-5200</p> <p>If returning via courier delivery: Finance Department – City of Grand Forks 255 N 4th Street Grand Forks, ND 58203</p> |
| <p>The City of Grand Forks reserved the right to accept or reject any or all bids or part thereof, to accept one or more items of a bid without obligation as to other items, and to waive any informalities or irregularities.</p> | |

| Quantity | Description | Unit Price | Total Price | Delivery Date |
|---|---|--------------------------|-----------------------|---------------|
| 1 | Landfill Front End Loader Less Trade: #3282 – 2015 John Deere 644K SN: 1DW644KZVED666272 NET BID Make: _____ Model: _____ | \$ _____ \$ _____ | _____ \$ _____ | _____ |
| <p>Prices are F.O.B. Grand Forks, ND</p> | | | | |

Vendor name and contact information including phone number:

Vendor Signature _____ Date _____

Printed Name and Title _____