



Request for Proposal
Loader Mounted Snow Blower
October 9, 2023

City of Fargo Request for Proposal

The City of Fargo is requesting proposals for (1) one Loader Mounted Snow Blower. Sealed proposals will be received at fargond.bonfirehub.com/ or the City of Fargo Auditor's Office at 225 4th Street North, Fargo, ND 58102, for the purpose of evaluating costs and operating parameters on (1) one new Loader Mounted Snow Blower. Upon completion of the evaluation by the selection committee an order may be placed. Bids must be uploaded to fargond.bonfirehub.com/ or submitted to the City of Fargo Auditor's office at 225 4th Street North, Fargo, ND 58102. **Proposals will be received until 2:00 PM on October 9, 2023.**

Need Help?

Please contact Bonfire at Support@GoBonfire.com for technical questions related to your submission.

CITY OF FARGO RIGHTS

The City reserves the right to cancel this RFP in writing or postpone the date and time for submitting proposals at any time prior to the proposal due date. The City, by this RFP, does not promise to accept the lowest cost or any other proposal and specifically reserves the right to reject any or all proposals, to waive any formal proposal requirements, to investigate the qualifications and experience of any Proposer, to reject any provisions in any proposal, to modify RFP contents, to obtain new proposals, to negotiate the requested services and contract terms with any Proposer, or to proceed to do the work otherwise.

The City hereby notifies all proposers that it will affirmatively insure that in regard to any contract entered into, pursuant to this request, minority business enterprises will be afforded full opportunity and are encouraged to submit proposals in response to this invitation and will not be discriminated against on the grounds of race, color, sex, or national origin in consideration for an award. The City reserves the right to accept or reject any and all bids that is in the best interest of the City. All questions and inquiries will be addressed to:

Operational Questions:

Ben Dow
Director of Operations
402 23 St N
Fargo, ND 58102
Phone (701) 241-1463
E-Mail: Bdow@FargoND.gov

Equipment Specifications:

Tom Ganje
Fleet Purchasing Manager
402 23rd St N.
Fargo, ND 58102
(701) 241- 1460
Tganje@FargoND.gov

GENERAL SPECIFICATION

MODEL: Unit shall be a new current year model.

WARRANTY: Shall be stated in **writing** on the form provided.

DELIVERY: Proposer must perform a complete pre-delivery service prior to delivery of equipment. All units are F.O.B., Fargo Central Garage.

Proposer must state the number of days for delivery from time of order.

MANUALS: One (1) complete service manual, flash drive or printed
One (1) complete parts manual, flash drive or printed
One (1) operator's manuals.
One (1) training video (if available)
One (1) complete service filter part number list

TRAINING: Upon delivery to end-user Proposer will provide instruction to operators on proper operation and daily maintenance.

BIDDER: There shall be \$500,000.00 minimum of product liability coverage by the manufacturer and minimum of \$500,000.00 liability coverage by the product installers to protect the City of Fargo. Certification shall be provided with proposal.

Preference may be given to Proposer who has a local dealer with a reasonable amount of parts inventory for the unit that has been proposed and a complete service facility. On new models or equipment not previously purchased by the City of Fargo, the selection committee may elect to have a demonstration of the models being considered.

Loader Mounted Snow Blower Bidding Specifications

1.0 INTENT

It is the intent of this specification to provide for the purchase of (1) one new and unused Loader Mounted Snow Blower to be used by the City of Fargo.

The City of Fargo has evaluated different styles of Loader Mounted Snow Blowers and has determined that this published specification is best suited for the City of Fargo's needs in terms of quality and features. This specification shall not be interpreted as restrictive but rather as a measure of quality and performance against which all other Loader Mounted Snow Blowers will be compared.

In comparing proposals, comparison will not be confined to price only. The successful proposer will be one whose product is judged as best serving the interests of the City of Fargo when price, product, quality and delivery are considered. The City of Fargo also reserves the right to reject any or all proposals or any part thereof, and to waive any minor technicalities. A contract will be awarded to the proposer submitting the lowest responsible proposal meeting the requirements.

2.0 EQUIVALENT PRODUCT

Proposals will be accepted for consideration on any make or model that is equal or superior to the Loader Mounted Snow Blower specified. Decisions of equivalency will be at the sole interpretation of the City of Fargo. A blanket statement that equipment proposed will meet all requirements will not be sufficient to establish equivalence. An original manufacturer's brochure of the proposed product is to be submitted with proposal.

3.0 INTERPRETATIONS

In order to be fair to all proposers, no oral interpretations will be given to any proposer, as to the meaning of the specification documents or any part thereof. Every request for such a consideration shall be made in writing. Based on such inquiry, the City of Fargo may choose to issue an addendum in accordance with local state laws.

4.0 GENERAL

The specification herein states the minimum requirements of the City of Fargo. All proposals must be regular in every respect. Unauthorized conditions, limitations, or provisions shall be cause for rejection. The City of Fargo will consider as irregular or non-responsive any and all proposals that are not prepared and submitted in accordance with the proposal document and specification, or any proposal lacking sufficient technical literature to enable the City of Fargo to make a reasonable determination of compliance to the specification. It shall be the Proposer's responsibility to carefully examine each item of the specification. Failure to offer a completed proposal or failure to respond to each section of the technical specification (COMPLY: YES NO) will cause the proposal to be rejected without review as non-responsive. All variances exceptions and/or deviations shall be fully described in the appropriate section. Deceit in responding to the specification will be cause for rejection.

5.0 SPECIFICATIONS

YES

NO

5.1 Operating Requirements

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|--|-------|-------|
| 1. Minimum width of cut shall be 110 inches. | _____ | _____ |
| 2. Minimum discharge rate of 2750 tons per hour. | _____ | _____ |
| 3. Shall have the ability to cast up to 150 feet. | _____ | _____ |
| 4. Weight shall not exceed 12,000 lb. hitch included. | _____ | _____ |
| 5. All components to be easily accessible for maintenance and servicing. | _____ | _____ |
| 6. All safety shields and visual graphics to ensure maximum safety. | _____ | _____ |
| 7. The snow blower must be fitted with a JRB quick coupler to work with the current JRB quick couplers that are attached to the City of Fargo loaders. | _____ | _____ |

5.2 Blower Engine

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| 1. Engine shall be a fully electronic, diesel, six (6) cylinder engine. | _____ | _____ |
| 2. Shall have a minimum of 350 HP and 1000 ft. /lbs. of torque. (9.0 Liter minimum) | _____ | _____ |
| 3. Engine shall be liquid cooled. | _____ | _____ |
| 4. Full flow oil filter, spin on type. | _____ | _____ |
| 5. Shall have dry type air cleaner and will be protected from snow, ice and rain. | _____ | _____ |
| 6. Automatic shutdown warning device shall be provided in case of low oil pressure and / or high engine coolant temperature. | _____ | _____ |

	<u>YES</u>	<u>NO</u>
7. Fuel Tank capacity shall have a minimum of 70 gallons.	_____	_____

5.3 Electrical System

1. System shall be 12 volt negative ground.	_____	_____
2. Full function wireless control system with a minimum of 25 ft. back up cable.	_____	_____
3. All controls shall be located in the carrier vehicle for use by the operator in the seated position and shall ensure the operator full control of the snow blower at all times with a minimum of fatigue.	_____	_____
4. Wireless emergency shutdown.	_____	_____
5. If needed, respective dealer is responsible for the installation of the instrument panel in the cab of the carrier vehicle.	_____	_____
6. Instrument panel shall include the following:		
a) Oil pressure gauge.		
b) Water temperature gauge.		
c) Voltmeter gauge.		
d) Fuel Gauge.		
e) Low pressure and high coolant temperature warning light.		
f) Ignition key switch.		
g) Emergency safety shut down push button.		
h) Engine RPM.	_____	_____
7. Hydraulic functions shall be controlled by electric solenoid valves and shall operate the following:		
a) Loading chute rotation.		
b) Loading chute deflector closed and open.		
c) Impeller casing rotation left or right.	_____	_____
8. Two (2) heated LED working lights mounted on blower body, protected by a steel enclosure.	_____	_____
9. LED work lights illuminating all shear bolts.	_____	_____

YES

NO

5.4 Blower

- | | | |
|---|-------|-------|
| 1. Shall be able to load trucks on right side of blower. | _____ | _____ |
| 2. Shall be two stage with dual heavy duty augurs. | _____ | _____ |
| 3. Blower augurs shall be flange mounted one-piece. | _____ | _____ |
| 4. Augers shall be a minimum of 26" in diameter. | _____ | _____ |
| 5. Main shaft to the impeller shall be equipped with two safety shear blots readily accessible, easy to replace and illuminated by LED light. | _____ | _____ |
| 6. Blower augers shall be equipped with two safety shear blots readily accessible, easy to replace and illuminated by LED light. | _____ | _____ |
| 7. Side skid plates shall be constructed of high grade steel, lined with Chromium Carbide. | _____ | _____ |
| 8. Blower drive shall be powered directly from the input shaft through a fully enclosed oil bath, over center type clutch. Heavy duty pinion and crown gear system that runs in an oil bath. | _____ | _____ |
| 9. Shall have a twin disc, over-center type clutch and reduction gears directly mounted on engine flywheel housing with two solid heavy-duty fiber molded plates or equivalent: <u>Maintenance free multi-disc wet clutch type (ZF)</u> | _____ | _____ |
| 10. Clutch to be controlled and operated from the cab of the carrier vehicle. | _____ | _____ |
| 11. Operator shall have the ability to engage the clutch manually in the event of remote failure. NA with ZF Clutch | _____ | _____ |
| 12. Augers must have bolt on ice cutters on auger. | _____ | _____ |

	<u>YES</u>	<u>NO</u>
13. Both augers must be dynamically balanced with balancing weights, so the augers remain permanently in balanced.	_____	_____
14. Both augers and flighting shall be constructed of high tensile steel. Flighting shall be reinforced by a second plate for the total length.	_____	_____
15. Impeller shall have a minimum of five (5) easily replaceable concave blades lined with Chromium Carbide.	_____	_____
16. Impeller casing shall be hydraulically operated.	_____	_____
17. Impeller casing shall rotate for the ability to load trucks and cast snow up to 150 feet.	_____	_____
18. Total impeller casing operating range shall be a minimum of 140°.	_____	_____
19. Scraper blade shall have multiple sections. Each section must be bolt on, incorporating chromium carbide overlay plate. Each section can be replaceable if required.	_____	_____

5.5 Loading Chute

1. Spot Casting/loading chute must be built and designed to permit truck loading from height of 139” to 157”. Top of loading chute to be controlled by rod linkages. Each link arm must be interconnected to one another, so that the design curvature of the casting chute is kept in all configurations. Each link arms must be equipped with ball and socket joints capable of being lubricated with the use of a standard grease gun.	_____	_____
2. Chute shall have a minimum rotation of 300°.	_____	_____
3. Chute shall be built with AR steel with chromium carbide plate in loading chute.	_____	_____

- | | <u>YES</u> | <u>NO</u> |
|---|------------|-----------|
| 4. Chute shall be a telescopic loading chute with two (2) LED lights. | _____ | _____ |
| 5. Hydraulic tilting chute. | _____ | _____ |

5.6 Miscellaneous

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|--|-------|-------|
| 1. Unit to be thoroughly tested and ready for use from an operational standpoint prior to delivery. | _____ | _____ |
| 2. Unit shall have replaceable bolt on truck bump guides on each side of machine. | _____ | _____ |
| 3. Blower engine shall be equipped with residential muffler. | _____ | _____ |
| 4. It is the responsibility of the contractor to ensure all lubricants and anti-freeze are suitable for the climate conditions in which the unit will operate. | _____ | _____ |
| 5. Exhaust shall discharge away from machine and loader to prevent exhaust build up in cab. | _____ | _____ |

Loader Mounted Snow Blower Warranty:

Base Manufacture: _____

Engine: _____

Hydraulics: _____

Extended Warranty Options:
