



Request for Proposal
Loader Mounted Dual Auger Snow Blower
October 11th, 2021

City of Fargo Request for Proposal

The City of Fargo is requesting proposals for one (1) Loader Mounted Snow Blower. Sealed proposals will be received by 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 one new Loader Mounted Snow Blower. Upon completion of the evaluation by the selection committee an order may be placed. **Proposals will be received until 2:00 PM on October 11th, 2021.**

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:

Street Department Operational Questions:

Ben Dow
Public Works Director
Public Works
402 23rd St. N
Fargo, ND 58102

Email: BDow@FargoND.gov
Phone: (701) 241-1453
Fax: (701) 241-8100

Equipment Specifications:

Tanner Smedshammer
Fleet Management Specialist
Public Works
402 23rd St. N
Fargo, ND 58102

Tanner.Smedshammer@FargoND.gov
(701) 241-1460
(701) 298-6971

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 and a \$150.00 per day will be accessed against the purchase price with the total not to exceed 2.5% of purchase price.

MANUALS: One (1) complete service manual, digital or printed
One (1) complete parts manual, digital or printed
One (1) operator's manuals.
One (1) training video (if available)

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 (within 50 miles).

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 one (1) new and unused Loader Mounted Snow Blower to be used by the Fargo Street Department.

The City of Fargo Street Department has evaluated different styles of Loader Mounted Snow Blowers and has determined that this published specification is best suited for the FSD 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 FSD when price, product, quality and delivery are considered. The FSD 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 FSD. 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 FSD may choose to issue an addendum in accordance with local state laws.

4.0 GENERAL

The specification herein states the minimum requirements of the FSD. All proposals must be regular in every respect. Unauthorized conditions, limitations, or provisions shall be cause for rejection. The FSD 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 FSD 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

Operating Requirements

YES

NO

Dual Auger Snowblower design required. Ribbon style will not be considered.

Minimum width of cut shall be 110 inches.

Minimum discharge rate of 3000 tons per hour and cast up to 150ft

Weight shall not exceed 12,000 lb. hitch included.

All components to be easily accessible for maintenance and servicing.

All safety shields and visual graphics to ensure maximum safety.

The snow blower must be fitted with a JRB418 quick coupler to work with the current JRB418 quick couplers that are attached to the City of Fargo loaders.

Blower Engine

Engine shall be a fully electronic, Diesel, six (6) cylinder engine.

Shall have a minimum of 360 HP and 1000 ft. /lbs. of torque. 8.9L minimum.

Engine shall be liquid cooled with winter covering.

Full flow oil filter, spin on type.

Shall have a dry type air cleaner and will be protected from snow, ice and rain.

Automatic shutdown warning device shall be provided in case of low oil pressure and/or high engine coolant temperature.

Fuel tank capacity shall have a minimum of 90 gallons.

Electrical System

System shall be 12 volt negative ground.

Full function wireless control system

	<u>YES</u>	<u>NO</u>
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.	_____	_____
Wireless emergency shutdown	_____	_____
If needed, respective dealer is responsible for the installation of the instrument panel in the cab of the carrier vehicle.	_____	_____
Instrument panel shall include the following:		
Oil pressure gauge		
Water temperature gauge		
Voltmeter gauge		
Fuel gauge		
Low pressure and high coolant temp warning light		
Ignition key switch		
Emergency Safety shut down push button		
Engine RPM	_____	_____
Hydraulic functions shall be controlled by electric solenoid valves and shall operate the following:		
Loading chute rotation		
Loading chute deflector closed and open		
Impeller casing rotation left or right	_____	_____
Two (2) LED working lights mounted on blower body, protected by a steel enclosure.	_____	_____
<u>Blower</u>		
Shall be able to load trucks on right side of blower	_____	_____
Shall be two stage with dual heavy duty augers.	_____	_____
Blower augers shall be flange mounted one-piece.	_____	_____
Augers shall be a minimum of 26" in diameter.	_____	_____
Unit shall have switch to activated reversing Fan and Augers	_____	_____
Main shaft to the impeller shall be equipped with two safety shear bolts readily accessible and easy to replace.	_____	_____
Blower augers shall be equipped with two safety shear bolts readily accessible and easy to replace.	_____	_____

	<u>YES</u>	<u>NO</u>
Side skid plates shall be constructed of high grade steel, lined with Chromium Carbide.	_____	_____
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.	_____	_____
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 <i>or equivalent</i> . <i>List equivalent:</i> _____	_____	_____
Clutch to be controlled and operated from the cab of the carrier vehicle.	_____	_____
In event of remote failure, what options does the operator have to engage clutch manually. _____	_____	_____
Augers must have bolt on ice cutters on auger.	_____	_____
Both augers must be dynamically balanced with balancing weights, so the augers remain permanently in balance.	_____	_____
Both augers and flighting shall be constructed of high tensile steel. Flighting shall be reinforced by a second plate for the total length.	_____	_____
Impeller shall have a minimum of five (5) easily replaceable concave blades lined with Chromium Carbide.	_____	_____
Impeller casing shall be hydraulically operated.	_____	_____
Impeller casing shall rotate for the ability to load trucks and to cast snow up to 150 feet.	_____	_____
Total impeller casing operating range shall be a minimum of 140°	_____	_____
Scraper blade shall be full width. Blade must be bolt-on, incorporating chromium carbide overlay plate.	_____	_____

Loading Chute

YES

NO

Spot casting/loading chute must be built and designed to permit truck loading from a height of 139 in. to 157 in. 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 end of the link arms must be equipped with ball and socket joints capable of being lubricated with the use of a standard grease gun.

Chute shall have a minimum rotation of 300°.

Chute shall be built with AR steel with Chromium carbide plate in loading chute.

Chute shall be a telescopic loading chute with 2 LED lights.

Miscellaneous

Unit to be thoroughly tested and ready for use from an operational standpoint prior to delivery.

Unit shall have replaceable bolt on truck bump guides on each side of machine

Blower engine shall be equipped with a residential muffler.

It is the responsibility of the contractor to ensure all lubricants and anti-freeze are suitable for the climatic conditions in which the unit will operate.

Exhaust shall discharge away from machine and loader to prevent exhaust build up in cab

Trade in (611):

1987 Vohl DV-4000

VIN: PV-342

Hours: 1,252 (Estimated)

CITY OF FARGO RESERVES THE RIGHT TO ACCEPT OR REJECT TRADE

Warranty

Loader Mounted Snow Blower:

Base Manufacture:

Other Warranties that apply:

Proposal Form

2022 Loader Mounted Snow Blower

City of Fargo — Street Department

Blower Make: _____ Model: _____

Blower Price: \$ _____

Trade In: \$ _____

SNOWBLOWER TOTAL WITH TRADE: \$ _____

Delivery Date

Number of days for delivery from date of order: _____

Company / Local Dealer _____

By: _____
(Name) (Phone)

(Title)