



Request for Proposal
3 Wheeled Mechanical Street Sweeper
November 4th, 2020

City of Fargo Request for Proposal

The City of Fargo is requesting proposals for one (1) New 3-Wheeled Mechanical Street Sweeper. 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 a new High Dump Street Sweeper. Upon completion of the evaluation by the selection committee an order may be placed. Proposals will be received until **2:00 P.M. Central Standard Time November 4th, 2020.**

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 bidders 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 proposals that is in the best interest of the City. All questions and inquiries will be addressed to:

Vehicle Specifications

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

Email: Tanner.Smedshammer@FargoND.gov
Phone: (701) 241-1460
Fax: (701) 298-6971

Street Dept Operational Questions

Ben Dow
Director of Operation's
Public Works Department
402 23rd St. N
Fargo, ND 58102

BDow@FargoND.gov
(701) 241-1463
(701) 298-6971

GENERAL SPECIFICATION

MODEL: Unit shall be a new and unused.

WARRANTY: Minimum 1 year all-inclusive warranty on all components.

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.

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

Two days of training on repair procedures to be provided by a Factory Qualified representative to repair technicians. Onsite training at the City of Fargo Central Garage should be scheduled at time of order.

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.

Street Sweeper Bidding Specifications

1.0 INTENT

It is the intent of this specification to provide for the purchase of one (1) new 3-Wheeled Mechanical Street Sweeper to be used by the Fargo Public Works Department.

The City of Fargo Public Works Department has evaluated different styles of Street Sweepers and has determined that this published specification is best suited for the PWD 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 High Dump Street Sweepers 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 PWD when price, product, quality and delivery are considered. The PWD 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 High Dump Street Sweeper specified. Decisions of equivalency will be at the sole interpretation of the PWD. 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 PWD may choose to issue an Addendum in accordance with local state laws.

4.0 GENERAL

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

5.1 GENERAL	<u>YES</u>		<u>NO</u>		<u>N/A</u>
1. Unit shall be single engine design					
2. Configuration shall be three wheel design					
3. Sweeper shall use a left and right gutter broom, and a main broom to direct debris to a belt type conveyor to carry the debris into a hopper.					
4. Hopper shall be a minimum of 3.5 cubic yards.					
5. Dealer shall be local with common parts on hand (broom, wear items, etc.) and availability to order parts over night when warranted.					
6. Training shall be provided by the successful proposer on the complete operation of the sweeper.					
5.2 ENGINE					
1. Diesel Tier 4 Final Engine					
2. Unit shall have low engine oil and high engine water temp indicators					
3. Horsepower rating shall be a minimum of 74 HP @ 2500RPM					
4. Engine shall have ECU for throttle control and management of after treatment system,					
5. Air pre-cleaner dual stage, dry type with element and restriction indicator.					
6. Fuel tank capacity shall be a minimum of 30 gallons.					
7. Steering system shall have a manual override.					

	<u>YES</u>		<u>NO</u>		<u>N/A</u>
8. All filters shall be spin-on type.					
9. Fuel filter/water separator.					
10. Antifreeze to minus -34 F.					
5.3 HYDROSTATIC TRANSMISSION					
1. Pump shall be variable displacement with separate variable displacement wheel drive motors.					
2. Power shall be evenly distributed through planetary torque hubs.					
3. Remote spin-on filter shall be provided.					
4. Hydrostatic transmission shall be computer controlled to optimize propel system to engine power.					
5.4 CAB					
1. Operator station shall have premium high back air suspension cloth seat(s) that are completely adjustable and include 3 point safety belt system.					
2. Interior shall have acoustical insulation for low operating noise. Give DB rating: _____					
3. Steering shall be full power, must be able to sweep utilizing both driver and passenger seats.					
4. West coast mirrors with separate convex mirrors to be mounted forward of the front wheels.					
5. Warning lights and chimes for low coolant level, high coolant temperature, low air pressure, and low oil pressure.					

	<u>YES</u>		<u>NO</u>		<u>N/A</u>
6. Sweeper control console shall have left/right driver switch.					
7. Heavy duty heater with defroster with replaceable air filter.					
8. Factory air conditioning.					
9. Two speed electric windshield wipers/with delay.					
10. LED Lighting shall include headlights, stop, tail, signal, backup, clearance, illuminated gauge/instrument panel, and hazard lights.					
11. Dome light.					
12. Dual sun visors.					
13. Cab shall have all tinted glass.					
14. AM/FM radio with Bluetooth.					
15. Electric horn.					
16. Power supply socket located in dash.					
17. Two permanent mounted, LED, Strobe lights with tree guards.					
18. One rear mount LED arrow stick along with four LED strobes, 2 front facing and 2 rear facing; Alternating and Flashing.					
19. Limb Guards					
20. Premium LED flood lighting package to utilize sweeping at night.					
21. Doors shall be all glass.					
22. Left hand side camera over side broom					

5.5 CAB ELECTRONIC MONITORING SYSTEM	<u>YES</u>		<u>NO</u>		<u>N/A</u>
1. Hydraulic functions for the sweeper shall be controlled from illuminated rocker switches on a sweeper control panel located in the cab.					
2. Each switch shall be identified for each function for which the switch serves.					
3. Fuel gauge.					
4. Oil pressure gauge.					
5. Coolant temperature gauge.					
6. Engine oil pressure gauge.					
7. Tachometer.					
8. Air pressure gauge.					
9. Speedometer and odometer.					
5.6 CHASSIS					
1. Configuration shall be three wheel design. <i>Rear steer preferred.</i>					
2. Steering strut shall have dual tires.					
3. Chassis shall be fully welded.					
4. Chassis shall have front and rear tow hooks.					
5. Front axles shall have a minimum capacity of 10,000 Lbs.					
6. Access panels on both sides of chassis for the ability of easy clean out.					
7. Engine compartment shall have assist cylinders.					
8. State wheel base of sweeper: _____					

	<u>YES</u>		<u>NO</u>		<u>N/A</u>
9. State turning radius of sweeper: _____					
10. Lights shall follow D.O.T. regulations, LED when possible.					
5.7 WHEELS/TIRES					
1. Tire size shall meet the sweeper mfg. recommendations.					
2. Mud flaps shall be installed if necessary.					
3. Spare guide mounted wheel and tire supplied.					
5.8 HOPPER					
1. The hopper shall be front dumping at a minimum height of 9 feet.					
2. Hopper shall have a capacity of 3.5 cubic yards of useable capacity.					
3. Two cylinders shall be provided for the dump mechanism and be of adequate size.					
4. Hopper load shall be visible at all times from the operator compartment. If available a switched light shall be provided for viewing load from cab.					
5. Sweeper shall not require stabilization jacks while dumping.					
6. Safety props for both the hopper and lift cylinders.					
5.9 CONVEYOR SYSTEM					
1. Conveyor type shall be reinforced, continuous, rubber belt design with Chevron style cleats.					
2. Conveyor shall be able to load hopper to its rated useable capacity.					

	<u>YES</u>		<u>NO</u>		<u>N/A</u>
3. Conveyor rotation shall be forward or reverse and selectable from within the cab. Forward and reversing action shall be done without stopping or reversing brooms.					
4. There shall be enough clearance to carry bulky debris (leaves, trash, etc.) up the conveyor.					
5. The conveyor shall lift 9" from the ground to provide adequate clearance while transporting.					
6. An audible and visual stall warning alarm in cab for the conveyor shall alert the operator that the conveyor has stopped moving.					
7. If available as an option heavy duty bearings shall be used for conveyor shafts.					
8. Belt shall carry, not drag, debris to hopper.					
9. Lower roller deflector.					
10. Conveyor cleanout.					
5.10 GUTTER BROOMS					
1. There shall be one gutter broom on both sides of the machine.					
2. Gutter brooms shall be driven by a hydraulic motor of adequate size. They shall be the vertical digger type design. Sectional preferred.					
3. Adjustable right side broom-tilt mechanism that is controlled from inside the cab.					
4. Gutter brooms shall be a minimum 36 inches in diameter with adequate ground clearance in the transport mode. They shall also be segmented, oil tempered wire, and disposable. They shall protrude no less than 13" beyond the outside of the tire while sweeping.					

	<u>YES</u>		<u>NO</u>		<u>N/A</u>
5. Gutter broom shall have extended broom reach on the left and right side to provide a better sweep with the gutter broom while sweeping in cul-de-sacs. An in-cab control shall allow the operator to change the outward position of the gutter broom up to 10” beyond its normal sweeping position.					
6. There shall be at least 3 water spray nozzles for dust control.					
7. There shall be one LED light per side to flood the area around the gutter broom with light for night sweeping.					
8. Broom rotation shall stop and rise when the transmission is placed into reverse or in transport mode.					
9. Independent down pressure for the brooms shall be controlled inside the operators cab with an infinite adjustment control. Pressure gauges shall be included in the cab.					
5.11 MAIN BROOM					
1. Main broom shall be a disposable poly broom with a minimum diameter of 34 inches and a minimum length of 66 inches.					
2. Main broom will be driven by a hydraulic motor of adequate size.					
3. Main broom down pressure shall be adjustable by the operator from the cab while moving.					
4. Sweeping path shall not be less than 8 feet wide with one gutter broom activated.					
5. Main broom shall automatically stop and rise when transmission is placed in reverse or in transport mode.					
6. Main broom shall have one LED work/flood light per side of machine.					

	<u>YES</u>		<u>NO</u>		<u>N/A</u>
7. Greasable dirt shoes.					
8. Quick change main broom option					
5.12 WATER SYSTEM					
1. Water tank shall be made of polyethylene and all system components shall be corrosion resistant with a minimum capacity of 220 gallons.					
2. Water system is to be adjustable for each area from within the cab.					
3. System shall have a run dry type, self-priming pump rated to maintain a full spray pattern when all nozzles are open.					
4. An in-line water filter with removable cartridge shall be provided to filter contaminants from entering into the system.					
5. Water system shall have an anti-siphon valve, a fill port with a 2 ½ inch female quick coupler with a dummy plug. A minimum 16 foot long, 2 ½ inch fire hose with 2 ½ inch male quick couplers on both ends shall come with the machine to accommodate easy hook-up to the City's hydrants.					
6. A wash down hose with quick disconnect and a minimum of 16 feet will come with the machine.					
7. Low water indicator to be located in the cab.					
8. Sweeper shall be equipped with an internal hopper/conveyor flush wash down system. System shall have a manual bypass valve to divert hydrant water to the flush system while filling. Valve shall be located curb side.					
9. Water nozzles to each area shall have separate controls activated by electrical switches in the operator's compartment located on the control panel for the sweeper.					

5.13 ELECTRICAL SYSTEM	<u>YES</u>		<u>NO</u>		<u>N/A</u>
1. Battery shall be maintenance free, 12 volt, 925 CCA. With battery disconnect switch.					
2. All electrical circuits shall be protected by fuses or circuit breakers.					
3. Alternator shall be a minimum 120 amp.					
4. Sweeping components shall automatically rise when the unit is in the reverse gear to prevent damage while backing up. A self-adjusting back-up alarm.					
5. In cab gauges shall include tachometer, hour meter, oil pressure, fuel, voltage, and coolant temperature.					
6. Warning lights to include hydraulic filter restriction, low spray water, hopper up, and full load.					
7. All wiring shall be color coded, hot stamped and labeled every twelve inches to provide easy identification and troubleshooting.					
8. Control panel for all sweep operation shall be located in a central location so operator can access controls from either left or right positions with a standard rocker switch configuration.					
9. A one touch switch shall cancel all sweep operations and resume previous sweep settings when switched to sweep mode.					
5.14 HYDRAULIC SYSTEM					
1. Reservoir capacity shall not be less than 30 gallons with an outside level indicator and a 10 micron vent filter.					

	<u>YES</u>		<u>NO</u>		<u>N/A</u>
2. Hydraulic system (which includes pump, valves, cylinder, etc.) shall be sized adequately for the operations of the unit. Dedicated pumps to the conveyor, main broom and gutter brooms are preferred.					
3. The return line shall have a 10 micron full flow filter with bypass. Cab mounted restriction indicator shall light before bypass begins.					
4. Quick disconnect on required circuits.					
MAINTENANCE					
1. Auto lube that includes greasing dirt shoes.					
2. Magnetic oil drain plug.					
PAINT FINISH					
1. Factory recommendation with standard white.					

Exceptions & Deviations

Proposer shall fully describe every variance exception and/or deviation. List the item number here and fully explain any items in non-compliance with specification.

Additional sheets may be used if required.

Warranty

Chassis Base Manufacture:

Sweeper Base Manufacture:

Hydraulics:

Other Warranties that apply:

Proposal Form
2020 Street Sweeper
City of Fargo — Street Department

Sweeper Make: _____ Model: _____

TOTAL PRICE
Street Sweeper

\$ _____

Delivery Date

Number of days for delivery from date of order: _____

Company _____

By: _____
(Name) (Signature)

(Title) (Phone)