

City of Lennox
Bid Specs FOR USED STREET SWEEPER

This sweeper shall meet or exceed the following minimum specifications. The sweeper shall be a rear steer front variable height dumping type, If the unit does not comply with any of the specifications the bidder/ vendor shall make comments on a separate sheet attached to his bid, listing the specifications by number that do not comply, the reason for non-compliance, and why the bid should not be rejected for non-compliance.

1. GENERAL

YES NO

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|--|-------|-------|
| A. Shall be a 2015 or newer model year. | _____ | _____ |
| B. There shall be no more than 8,500 Hours and 45,000 miles at delivery | _____ | _____ |
| C. Bidder shall maintain a complete parts and service facility within the State of South Dakota. | _____ | _____ |
| D. Must be equipped with an auto lube system | _____ | _____ |

2. ENGINE

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|--|-------|-------|
| A. Shall be a heavy duty 4-cylinder turbo charged industrial engine of not less than 74HP. | _____ | _____ |
| B. 12 Volt starting and electrical system. | _____ | _____ |
| C. The engine shall have a dual element dry type air cleaner with cab Mounted restriction indicator. | _____ | _____ |
| D. Anti-freeze shall be good for -20 degrees below F. | _____ | _____ |

3. TRANSMISSION

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|---|-------|-------|
| A. There shall be a hydrostatic transmission, consisting of a variable displacement pump, and two variable displacement hydraulic motors; a foot pedal to control forward and reverse, with automatic return to neutral. Broom speed shall be independent of vehicle speed and direction. | _____ | _____ |
| B. Transmission shall be protected by an in-line filter system with an in cab indicator. | _____ | _____ |
| C. The sweeper shall have the power distributed through planetary torque hubs and wheel drive motors. | _____ | _____ |

	YES	NO
D. The drive motors shall be visible for service without jacking vehicle up.	_____	_____
4. BRAKES		
A. Service Brakes shall be hydraulic disc type, full power fully enclosed with a double dust shield, foot pedal activated.	_____	_____
B. Parking brake shall not be dependent on any electrical circuit.	_____	_____
5. Steering		
A. Turning radius shall be 15'	_____	_____
B. Full hydrostatic power assist with manual override in the event of loss of engine power.	_____	_____
C. Tilt and telescopic steering wheel.	_____	_____
D. Sweeper shall feature rear steering; no exceptions will be allowed.	_____	_____
E. The rear steer shall feature dual wheels and spring suspension.	_____	_____
6. CHASSIS		
A. The chassis shall be a three-wheel front high dump design.	_____	_____
B. There shall be tow hooks front and rear.	_____	_____
C. There shall be jack pads adjacent to each drive wheel.	_____	_____
D. There shall be Full fenders over the front drive wheels.	_____	_____
E. The Engine enclosure shall be one-piece tilt type.	_____	_____
7. ELECTRICAL		
A. The electrical system shall be 12 Volt.	_____	_____
B. The battery shall be a heavy-duty type 900 CCA Minimum.	_____	_____

	YES	NO
C. The alternator shall be 120 Amp Minimum.	_____	_____
D. Sealed multiple beam headlights, combination stop, tail and turn signals.	_____	_____
7. ELECTRICAL CONTINUED		
E. Adjustable light for each gutter broom on separate switches.	_____	_____
F. The sweeper shall feature automatically resetting circuit breakers.	_____	_____
G. The wire harness shall be hot stamped with the circuit name and color coded.	_____	_____
H. All wire connections shall be in weather pak connectors.	_____	_____
8. CAB		
A. Doors shall be steel framed with automotive type latches.	_____	_____
B. The cab shall be equipped with 2 speed intermittent wipers.	_____	_____
C. The right side seat shall be an air suspension, cloth covered, with tilt control for seat cushion, and reclining seat back	_____	_____
D. The Cab shall be pressurized with a replaceable filter.	_____	_____
E. The cab shall have a centralized control panel with illuminated rocker rocker switches, and Interior dome light	_____	_____
F. All windows shall be tinted safety glass.	_____	_____
G. There shall be cab mounted dual west coast mirrors with convex mirrors.	_____	_____
H. There shall be one inside mirror.	_____	_____
	YES	NO

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|---|-------|-------|
| I. There shall be a heating and air conditioning system with defroster. | _____ | _____ |
| J. There shall be an AM/FM CD radio with 2 Speakers. | _____ | _____ |
| K. The cab shall have a top mounted strobe light with limb guard | _____ | _____ |
| L. The cab shall be protected by dual limb guards. | _____ | _____ |
| M. The cab shall include the following instruments, Speedometer, Fuel Gage, Water Temp Gauge, Oil Pressure gauge, Voltmeter, Tachometer, Hour meter
Transmission oil temp, all gauges to be Illuminated. | _____ | _____ |

BROOMS

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|---|-------|-------|
| A. The dual gutter brooms shall be bolt on, 36" diameter with steel wire. | _____ | _____ |
| B. The sweeping path shall be 10' with both gutter brooms. | _____ | _____ |
| C. The brooms shall be hydraulically driven variable speed. | _____ | _____ |
| D. Broom speed shall not be dependent on sweeper speed. | _____ | _____ |
| E. The brooms shall have an in-cab position indicator. | _____ | _____ |
| F. Down pressure shall be controlled from inside the cab. | _____ | _____ |
| G. The main broom shall be hydraulically driven, hydraulically raised and lowered. | _____ | _____ |
| H. The main broom shall be variable speed independent of vehicle speed
or direction. | _____ | _____ |
| I. The broom down pressure shall be adjustable from inside the cab. | _____ | _____ |
| J. The broom shall be a prefabricated tube broom with poly bristles. | _____ | _____ |

CONVEYOR

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|--|-------|-------|
| A. The sweeper shall be equipped with a Continuous rubber belt conveyor. | _____ | _____ |
|--|-------|-------|

YES NO

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|---|-------|-------|
| B. The conveyor shall be variable speed and reversible. | _____ | _____ |
| C. The conveyor shall be hydraulically driven with relief valve. | _____ | _____ |
| D. There shall be a lower conveyor washout system as part of fill system. | _____ | _____ |

HYDRAULIC SYSTEM

- | | | |
|---|-------|-------|
| A. The main pump shall be a variable displacement pump. | _____ | _____ |
| B. There shall be separate pumps for steering and brooms. | _____ | _____ |
| C. Reservoir shall have visible sight glass fluid level indicator. | _____ | _____ |
| D. The hydraulic system shall have filters on the suction and return lines. | _____ | _____ |
| E. All hydraulic circuits shall have quick disconnect pressure ports for testing. | _____ | _____ |
| F. There shall be a hydraulic oil cooler, protected by a bypass valve. | _____ | _____ |
| G. There shall be an automatic shutdown system for low hydraulic level. | _____ | _____ |

HOPPER

- | | | |
|--|-------|-------|
| A. The hopper shall be variable height dumping with 3.5-yard capacity. | _____ | _____ |
| B. Hopper shall be fabricated from steel. | _____ | _____ |
| C. The hopper shall be raised and lowered with in cab controls. | _____ | _____ |
| D. There shall be a mechanical hopper door latch. | _____ | _____ |

WATER SYSTEM

- | | | |
|---|-------|-------|
| A. The water tank shall be 220 Gallon polyethylene construction, minimum. | _____ | _____ |
| B. On/Off controls shall be in the cab. | _____ | _____ |

YES NO

- C. There shall be a 15' 2.5" fill hose with storage basket provided. _____
- D. There shall be a 2" anti-siphon air gap fill. _____
- E. There shall be pressurized internal hopper and conveyor flushing system. _____
- F. Water tank shall have a sight glass that is visible from the cab. _____
- G. Water pump shall be a run dry pump electric driven. _____
- H. The water system shall have a 100-mesh screen. _____

PAINT

- A. The paint shall be powder coat white. _____

SERVICE

- A. Bidder shall have a service facility within the state of South Dakota. _____
- B. Bidder shall supply a list of parts and service work done on machine with bid. _____
- C. A factory parts, operators and service manual shall be supplied with the sweeper when delivered. _____
- D. The bidder shall have on road service with a dedicated service truck. _____

It is the intent of these specifications to provide for the purchase of a used street sweeper, The bidder shall list any and all exceptions. Failure to list deviations or exceptions will result in bid being rejected.

Make of sweeper _____

Model of Sweeper _____

Hours on sweeper _____

Delivery Date _____

Total Price for sweeper _____

Trade in allowance _____

The City of Lennox, SD reserves the right to reject any and all bids.

