



## INVITATION TO BID

FINANCE DEPARTMENT

GREGORY N. L'HEUREUX  
Finance Director

COLLEEN C. SELBERG  
Purchasing Agent

### **ONE (1) DUAL STEERING HIGH DUMP REGENERATIVE AIR SWEEPER Bid #30-19**

Sealed bid for furnishing a new ONE (1) Dual Steering High Dump Regenerative Air Sweeper to the City of South Portland Public Works Department as specified below, in the attached specifications and proposal, will be received by the City Purchasing Agent, 25 Cottage Road, South Portland, Maine 04106, until 2:00 p.m., Tuesday, February 19, 2019 at which time, they will be publicly opened and read aloud. Proposals received after the above stated day and time will not be considered.

Bids shall be submitted on the attached bid form in sealed envelopes, plainly marked "Bid #30-19 Sweeper" and shall be addressed to the Purchasing Agent at the above address.

Delivery to be made upon receipt of purchase order and shall be F.O.B., Public Works Department, 929 Highland Avenue, South Portland, Maine.

All equipment offered on this bid shall be brand-new and the latest type available. Bidder will state in his bid the name and model number of the equipment he is offering and will include with his bid a catalog or brochure marked to indicate the standard factory equipment of the model on which he is bidding. Bidder must attach a separate sheet to his bid listing any deviation from the minimum specifications shown. If no attachment is provided, it will be assumed that the item being bid meets the minimum specifications.

If the equipment offered by a bidder under the attached specifications meets the specifications except for minor factors or reasonably small amounts in dimensions, and if it shall be determined by the City that these minor variations from the specifications do not prevent the equipment being bid from performing as satisfactorily or from being as good as equipment fully meeting these specifications, then these minor variations from the specifications may be waived by the City, if it deems it to be to its advantage, and the equipment with the waived variations in specifications will be accepted as fully meeting these specifications.

Since a prompt delivery is required, delivery time, as well as price, may be a factor in determining the award of this bid.

Price shall include a 14-day plate and State of Maine Certificate of Title or Certificate of Origin, which shall be made out to the City of South Portland, Maine and mailed to the Purchasing Agent, P.O. Box 9422, and South Portland, Me 04116-9422. A copy of the

title application is to be delivered with each vehicle. There shall be, within the Greater Portland area, a repair service which shall maintain a stock of spare parts for any make and model of any vehicle that a bidder offers in the proposal.

It is the custom of the City of South Portland to pay its bills within 20 to 30 days following delivery of and receipt of bills for all items covered by the purchase order. In submitting bids under attached specifications, bidders should take into consideration all discounts, both trade and time, allowed in accordance with the above payment policy. All bidders should quote net prices, therefore, exclusive of all Federal Excise Taxes and Sales Taxes.

The City of South Portland reserves the right to waive all informalities in bids, to accept any bid or any portion thereof, or to reject any or all bids should it be deemed in its best interest to do so. Except as otherwise required by law or as specifically provided to the contrary herein, the City shall govern the award of this bid's purchasing ordinance.

Colleen C. Selberg  
Purchasing Agent

City of South Portland  
PUBLIC WORKS DEPARTMENT  
Solicitation of Bids  
**ONE (1) Dual Steering High Dump Regenerative Air Sweeper**

This specification is intended to describe a Dual Steering High Dump Regenerative Air Sweeper to be used for various functions in the Public Works Department. This vehicle will be a regular production model for which published specifications are available. Modifications of the vehicle to meet operational requirements of this specification shall be limited to the manufacturers published and optional standards.

Bidders shall list and explain in writing any and all deviations from these specifications. Bidders shall provide sufficient detail and proof needed to assist the city in fully evaluating compliance with detailed specifications. Failure to do so may result in rejection of the bid in its entirety.

**General Specification**

These Specifications are intended to describe a Dual Steering High Dump Regenerative Air Sweeper, and is to conform to all EPA and DOT regulations in effect at the time of delivery. The vehicle shall be equipped with all standard equipment, components, and safety features necessary for operation and normally supplied, even if not identified in specifications. The equipment shall have full manufacturer's preparation, title, and be ready for service upon delivery.

The equipment will be delivered with all the proper paperwork to insure and register the equipment in a timely manner.

**Sweeper Auxiliary Engine**

- John Deere, 4045 turbo, 4 cyl.
- Power 115 hp @ 220 RPM
- Heavy duty air cleaner with pre-cleaner
- Auxiliary engine fuel tank shared with chassis
- 50 gal. diesel fuel tank
- DEF tank (3.8 useable)
- Auxiliary engine protection
- Fuel/water separator and separate fuel filter open crankcase ventilation filter

**Chassis**

- International 4300

**Transmission**

- Allison Transmission

**Blower**

- Aluminum alloy, high volume, open face turbine
- Sealed lifetime lube, anti-friction bearings
- Isolation mounted housing with abrasion resistant, replaceable liner. Heavy rubber housing seal, non-wiping
- Fixed displacement drive, heavy duty with bent axis hydraulic motor

**Dust Separator**

- Cyclonic multicasts centrifugal separation
- Inside hopper

- Abrasion resistant housing with replacement liner
- Self-opening and self-emptying when hopper is tilted

### **Hopper**

- Stainless steel 4.0 yd. useable capacity
- Welded non-magnetic stainless steel plate with integral stiffeners
- Self-locking dump door
- Stainless steel lined chute with a 22 in reach without side shift
- Two stage scissor lift, dual hydraulic cylinders with integral holding valves
- 10,000 lb. lift capacity
- Dump Height (24 in minimum, 132 in maximum)
- Hopper drain system
- 2 piece stainless steel screen with access for cleaning top side

### **Broom Assist Pick-up Head**

- Dual chamber with broom assist
- 87 in width
- Suspension 4 springs 2 drag links
- Suction hose 12 in diameter
- Pressure hose 14 in diameter
- DUO Skid (long life carbide)
- Pressure bleeder
- Reverse pick-up head system

### **Twin Gutter Brooms**

- Floodlights and parabolic mirrors
- Variable speed drive non-reversible hydraulic motor
- Adjustment
- Automatically adjust Down pressure
- All direction flexibility with anti-damage swing away relief valve
- 43 in diameter steel wire, vertical diggers broom
- Hydraulic tilt

### **Hydraulic System**

- Direct drive
- Sweeper pump (Heavy duty variable displacement piston pump)
- Blower pump flow 26 GPM
- Sweeper pump flow 11 GPM
- BAH Pump 8 GPM
- 34 gal Reservoir
- Return filter (spin-on, in-line return)
- Charge loop filter
- Vent filter
- Air to Oil cooler
- Hydraulic level/temperature shutdown system
- Hydraulic oil filter restriction indicator (in cab)
- Hydraulic oil sight/temperature gauge
- Auxiliary Hydraulic system

### **Dust Control System**

- Water spray nozzles for dust suppression

- Electric diaphragm pump
- 250 gal polyethylene reservoir
- In-line 80 mesh stainless steel filter
- Safety shut-off, low water shut-off and warning light
- Spray nozzles
  - 4 pick-up head
  - 2 gutter brooms
  - 1 hopper
- 20 ft. Hydraulic fill hose with storage area

### **Control System**

- Software and hardware which integrates in-cab controls to the auxiliary engine and all sweeper functions. Including safety features and on-board diagnostics for the auxiliary engine and sweeper. Auxiliary engine data which includes hour meters, gutter brooms, pick-up head, blower, water pump, dump cycle counter, sweeper odometer (curb miles swept and sweeping total), service reminders, custom reminders, over speed warning, low water audible alarm, and OBD.

### **Interior Components**

- Leaf pressure bleeder control, auxiliary fuse panel, illuminated control switches: pick-up head, gutter brooms, blower RPM, dump cycle, variable speed gutter brooms, dust control water system nozzles, safety lights.

### **Additional Options**

- Abrasion protection package
- Air purge, water system
- Auto Sweep Interrupt
- Color camera/monitor system
- Gutter broom drop down
- High output water system
- Hopper load indicator alarms
- Electric hopper vibrator
- Pick-up head front curtain lifter
- Sweeper deluge system, which includes hopper and pick-up head deluge with 6 in. cleanout port
- Standard Paint Color (White)
- Hi-visibility directional LED light bar on back of unit
- A/C
- Dual Driver Controls
- Cruise Control or the ability to boost engine in park
- Water tank level gauge in cab

### **Training**

- On-site operator and service training shall be included in the bid

### **Manuals**

- Hard copy of all manuals for Sweeper, Truck, and Engines

**ONE (1) DUAL STEERING HIGH DUMP REGENERATIVE AIR SWEEPER  
BID PROPOSAL SHEET**

The UNDERSIGNED hereby proposes to furnish one (1) Dual Steering High Dump Regenerative Air Sweeper to the Public Works Department, F.O.B., 929 Highland Avenue, South Portland, Maine, with delivery to be made upon receipt of purchase order, in accordance with the attached Invitation to Bid and at the following prices and delivery times:

Bid Price \$ \_\_\_\_\_  
Year, Make, & Model # \_\_\_\_\_  
Color \_\_\_\_\_ Odometer Reading \_\_\_\_\_  
Warranty \_\_\_\_\_  
\_\_\_\_\_  
Delivery Time \_\_\_\_\_

Signed: \_\_\_\_\_  
(Corporation, Firm or Company)

By: \_\_\_\_\_  
(Officer, Authorized Individual or Owner)

Title: \_\_\_\_\_

Mailing Address (including Zip Code):  
\_\_\_\_\_  
\_\_\_\_\_

Date: \_\_\_\_\_

Telephone: \_\_\_\_\_

Email: \_\_\_\_\_

Note: Bids must bear the handwritten signature of a duly authorized member or employee of the organization making the bid.