



**Request for Bids
Sidewalk Tractor
Bid No.: B16-003**

**Purchasing Department
73 Harlow Street
Bangor, Maine 04401
207-992-4282**

Issue Date: June 30, 2015

I. Introduction

The City of Bangor requests bids to furnish and deliver one (1) heavy duty, 4WD, articulating, oscillating rubber tired, diesel powered sidewalk tractor, FOB Destination to the Fleet Maintenance Facility, 481 Maine Avenue, Bangor, Maine. The unit will be used for plowing and snow blowing sidewalks, and summer work. The unit must be furnished and delivered in accordance with the specifications contained herein. A brochure is to be returned with your bid request.

The City of Bangor intends to trade in a 2000 Trackless machine with approximately 5,500 hours. This machine is presently in use by the Public Works Department; please contact Robert Dawes, Equipment Director @ 207-992-4662 to make arrangements to view this machine. This machine will come equipped with a Trackless 50" snow blower, sander, and power angle straight push blade.

II. General Information

General information is available on the City's website at the following web address: www.bangormaine.gov/bids/proposals. By submitting a response to this solicitation, the bidder accepts the responsibility for downloading, reading and bidding by the terms and conditions set forth in the City's "General Information for Vendors".

III. Submission

To be considered, return pages three (3) through eleven (11) of this Request for Bids in an envelope clearly marked "**Bid No.: B16-003: Sidewalk Tractor**" by **2:00 PM, Wednesday, July 22, 2015** to the Purchasing Department, City Hall, 73 Harlow Street, Bangor, Maine 04401.

Bids may also be submitted via email by using the link at the top of this page or by sending to: bids@bangormaine.gov. If emailing bid, please reference "**Bid No.: B16-003: Sidewalk Tractor**" in the subject line. Bids will be publicly opened at the time stated above.

A tabulation of all bids received will be available after 3:00 PM on the date of opening. Bid results may be viewed by visiting the City's website at www.bangormaine.gov, Bids/Proposals/Bid Tabulations & Awards.

IV. Questions

Any questions must be directed in writing to bids@bangormaine.gov no later than **4:30 PM, Monday, July 13, 2015**.

The City will issue a response to any questions or inquiries submitted in writing by the date above, on or before **4:30 PM, Wednesday, July 15, 2015**. The response will be in the form of an addendum, which will be available on the City's website.

V. Award

The bid award will be based on one or more of the following: You will need to return a brochure with your bid form and bid request.

- Price of the equipment offered
- Quality and performance of the equipment offered
- Availability of the equipment
- Prior history or experience with the Bidder, and prior history or experience with the equipment offered

VI. Information for Bidders

1. After most sections in this Request for Bids, a space is provided for the Bidder to answer whether they comply with the referenced section. Caution should be taken by the Bidder to ensure that all questions are answered in the spaces provided and that all information requested is provided.
2. Pages three (3) through eleven (11) of this request must be completed and returned with all questions answered in order to be considered.
3. Any exception to the provisions in the specifications must be marked in the body of this document and itemized on a separate page titled "Exceptions", referenced by section number and paragraph, along with a detailed explanation of the exception.
4. The entire unit and all equipment must be thoroughly inspected, serviced and ready for use upon delivery. All work performed must meet established industry standards of quality to be acceptable. Any unacceptable work must be corrected before payment is issued.
5. All Federal and State taxes must be excluded from the bid price. A tax exemption certificate for the City of Bangor shall be furnished to the successful Bidder upon request.

Vendor Name: _____

VII. Specifications

The specifications listed below represent the City's basic requirements for the equipment requested. The specifications should be viewed as a guideline for the City's needs and not an absolute minimum or maximum requirement. The City will purchase the equipment that will best meet the requirements of the Bangor Fleet Maintenance Department. In order to be considered, Bidders must list the specifications of their equipment under "Vendor Specifications".

The equipment requested must be new, unused, and the manufacturer's current year production model. It shall be complete as nationally advertised. The complete unit must be designed for severe duty winter weather conditions, as well as for hot weather conditions. This unit must have a snow plow blade attached at the front quick connect attachment that may also be used for carrying a snow blower and a hydraulic sander.

Bid Qualification:

To ensure that only those tractors that are of sufficient power, are not too large for operating on municipal sidewalks and qualify as market proven commercial production vehicles, the following four mandatory specifications have been established.

The following five basic bid qualification specifications must be met in order to submit a bid. Bids will be rejected if the first five mandatory specifications are not met.

1. A four wheel drive articulating, oscillating, rubber tired, diesel powered multi-purpose tractor, designed for year round work, utilizing various attachments shall be supplied
Make _____
Model _____
Year _____
2. Tractor shall be no wider than 50½" (1.3m), including fenders and no higher than 80" (2.03m) to top of roof
Meets Spec: Yes _____ **No** _____
3. Engine shall be a water cooled diesel with 115 hp @ 2,500 rpm and producing torque of 360 lbs-ft @ 1,500 rpm
Meets Spec: Yes _____ **No** _____
4. Tractor shall have sufficient hydraulic capability to power manufacturers own hydraulically driven angle sweeper, cold planer, 14' wide rotary mower, etc.
Meets Spec: Yes _____ **No** _____
5. Tractor shall have a mechanically driven front PTO with a dynamometer rating of no less than 95 hp.
Meets Spec: Yes _____ **No** _____

- | | | |
|-----|--|--------------------------------|
| 6. | Sound Level in cab under full engine RPM
Shall not exceed 72-75 DBA | Meets Spec: Yes _____ No _____ |
| 7. | Hinged overhead switch panel | Meets Spec: Yes _____ No _____ |
| 8. | The cab shall be "ROPS certified" and bear a
Certification label so stating. An engineering
ROPS test report is required for verification. | Meets Spec: Yes _____ No _____ |
| 9. | Must have a seat safety switch to shut off
Front PTO shuts down engine if left in gear,
and shuts off front and rear hydraulic couplers
for safety. | Meets Spec: Yes _____ No _____ |
| 10. | Must have outside mounted switch to operate
front lift cylinders for safety and convenient
attachment connections. | Meets Spec: Yes _____ No _____ |

Requested Specifications

Vendor Specifications

Unit:

Current year 4WD, rubber tired, articulating,
Oscillating tractor. Trackless Series MT-VI
or Holder C 9700 H or equal alternate
that meets or exceeds the specifications
on the following pages.

Engine:

- Water cooled diesel
- Min 110 H.P. @ 2300 rpm., producing
min. 350 lbs-ft of torque @ 1500 rpm
- PTO with min dyno rating of ≥ 95 HP
- Cold starting system
- Engine must meet or exceed all EPA and
DEP fuel requirements.

Transmission:

- Hydrostatic w/ fuel saver model
- Electronic foot pedal, pedal can be
used to manage fuel saver mode

- Three position pattern shift lever _____
- Two speed transmission, one for power, and one for speed _____
- Low range 0-12km/hr, high range 0-32km/hr _____
- Must have neutral position to allow tow _____

Axles:

- Unit shall run Dana model 60 full float _____
- "Track lok" rear and front differentials, or approved equals _____
- Axle shafts, min 8 wheel studs _____
- 8 bolts holding axle to housing _____
- Electric locking differentials with separate switches for each axle, auto shut off after 30 seconds of continuous use. Will not function in high gear _____

Braking System:

- At least 3 separate brake systems,
 - 1) Hydrostatic dynamic,
 - 2) hydraulic service
 - 3) Mechanical actuated emergency/park _____
- Park brake must be used as a back up system if hydraulic system fails _____
- Park brake must use a warning buzzer when applied _____

Tires:

- LT245/75R x 16 winter radials or approved equal _____
- HD wheels with at least 8 studs _____
- (2) spare wheels and tires _____

Hydraulics:

- Engine driven gear pump, min 19 gpm _____

- Joystick controlled _____
- 6 front hydraulic couplers (3 prs) _____
- 2 pair high volume couplers _____
- 1 pair couplers on rear with output of 16 gpm _____
- Color coded couplers to match joystick _____
- Color coded switches _____

Electrical:

- 12V neg. ground system _____
- 12V battery w/min 900 CCA group 31 _____
- 100 amp alternator, main breaker switch protection _____
- Wiring & harness must meet ISO standards _____
- Fuses enclosed in a IP67 watertight enclose _____
- Watertight plug connectors _____
- Wire harnesses must have identifiers _____
on both ends of wires for ease of tracing _____

Attachments:

- **Power Angle Snow Blade** _____
 - Angle right
 - Angle left
 - Push straight
- **Salt & Sand Unit** _____
 - Ability to mount on rear of machine
 - ½ yd spreading capacity
 - Total width & spread width 44"
 - Min 3 legs to stand alone
 - Auto Run mode Sands when moving
Stops sanding when machine stops
- **Snow blower** _____
 - High output snow blower 51" wide joystick controlled with min. 3/8" metal ends
 - 28" ribbon type auger- gearbox driven

- 24" diameter, 7.5" wide 5 blade impeller
- Mechanical shear pin protected PTO and auger drive
- Two stage center drive helical ribbon (serrated)
- Impeller housing with replaceable liner

Equipment:

- Two (2) shock proof mounted headlights _____
- Two (2) rear shock proof mounted work lights _____
- Directional signals _____
- Back up alarm _____
- Horn _____
- Slow moving vehicle emblem _____
- Two (2) operators manuals (electronic manual acceptable) _____
- One (1) parts manual (electronic manual acceptable) _____
- One (1) service manual (electronic manual acceptable) _____
- Seatbelt Hydrostatic interlock, cannot move w/o
Seatbelt being buckled _____
- Engine block heater _____
- Strobe lights on roof protected; 360 deg. visibility _____
- Vandalism protection kit _____
- Stop and hazard lights _____
- Cab mounted 5 lb fire extinguisher _____
- Cab mounted Air Conditioner _____
- AM/FM stereo _____
- Tool box _____
- Engine compartment doors _____
- Service hour meter _____
- Emergency triangular reflectors _____
- Automatic low oil pressure/high _____
- 1 piece floor mat _____
- Articulation safety lock _____
- Air suspension driver's seat w/ safety shutdown PTO _____

- A/C with pressurization and heat _____
- Rear license plate bracket and light _____

Warranty:

- Vendor or manufacturer’s nationally advertised warranty of 3 yrs or 600 hrs. An extendable parts and labor warranty must be offered as separately as an option, list type of coverage & cost _____

Orientation and Training:

- Training by a factory representative must be provided for mechanics _____
- A separate training session must also be provided for the operators. All training sessions will be scheduled by the Fleet Maintenance Department _____

Parts Availability:

- Replacement parts for major components shall have a forty-eight (48) hour availability in the Bangor area _____

Friction Materials:

- Friction materials must be non asbestos, where possible _____

Manuals:

The following manuals and CDs must be furnished at no extra charge at the time of delivery. If these manuals do not comply with the specifications as stated below, or are not supplied at the time for delivery, 10% of the total purchase order amount will be withheld until all manuals and CDs meeting specification are delivered.

- An operator’s manual must be supplied in the tractor cab. The cab must have a pocket for the manual to be kept at all times. The manual will provide all information required to operate the tractor. It must also include basic maintenance information, safety precautions, lubrication diagrams, etc. All pictures must be in full color.
- A tractor parts manual including maintenance and operators instructions shall be supplied. The manual shall be no less than 280 pages and include approximately 80 detailed parts illustrations. The manual must also include exploded view illustrations of the differentials,

PTO clutch, gear reduction box, mechanical transmission, brake system and all driveshaft assemblies. Wiring and hydraulic schematics must be in full color. All wiring harness illustrations must also be in full color. The manual must have detailed information regarding controls, operating tips, safety precautions, attachment mounting, attachment hose hook up color coding, grease point illustrations, lubrication chart, etc. The manual must include a CD copy inserted into a protective sleeve in the manual cover.

- A tractor service manual shall be supplied at time of delivery. The manual must include diagnostic, repair and adjustment information for main drive train components. All photo pictures that assist in overhaul procedures must be in full color. Wiring and hydraulic schematics must be in full color. Other items required include a torque specification page, fault logic trouble shooting, lifting point and jack stand placement illustrations. The above information for attachments including those which may be ordered at a later date must also be included. The manual must include a CD copy inserted into a plastic protective sleeve in the manual cover.
- Attachment manual must also be provided for all attachments order.

Labeling and Warning Decals:

The following labels and decals must be present on tractor upon delivery:

- Pinch point decals
- Danger – rotating shaft decal
- Danger – fan decal
- Joystick function/operation decal
- Diesel fuel only decal on fuel reservoir (Min. .75" high letters)
- Hydraulic oil only decal on oil reservoir (Min. .75" high letters)
- Decals for adjustment procedures
- Grease chart decal approx. 11" x 12" under top hood. Decal must include illustrations for showing grease points.
- Metal tag – ROPS Certification
- Metal tag – Serial number/model/model year

Dimensions & Weights:

Dimensions are not to exceed the following:

- | | | |
|--|--------|-----------------------|
| • Overall length including rear bumper | 146.5" | SPECIFY_____ |
| • Height to top of cab | 80.0" | SPECIFY_____ |
| • Track width with winter tires | 49.5" | SPECIFY_____ |
| • Overall width including fenders | 50.5" | SPECIFY_____ |
| • Inside turning radius | 90.0" | SPECIFY_____ |
| • Weight of tractor is to be no less than 5,700 lbs and is not to exceed 6,500 lbs | | STATE WEIGHT_____lbs. |



Bid Form
Sidewalk Tractor
Bid No.: B16-003

Bid Deadline:
2:00 PM, Wednesday
July 22, 2015

Notes:

- **Equipment must be bid by using this Bid Form**
- **Pages three (3) through ten (10) of this request must be completed and returned with all questions answered.**
- **Failure to comply with the above may result in disqualification.**
- **Complete Manufacturer's brochure must be attached**

Sidewalk Tractor with all specified equipment: In accordance with the specifications listed herein.

Item	Description		Total
1	Sidewalk Tractor Price		\$ _____
2	Less: trade-in for 2000 Trackless		\$ _____
	Total Bid Amount		\$ _____
	Optional Extended Warranty		\$ _____
Year: _____ Make: _____ Model: _____			
Estimated delivery after receipt of order: _____			
Warranty Terms: _____			
Service Location: _____			
Does the proposed equipment meet the requested specifications? ___ Yes ___ No If not please attach a complete description of any variances.			
<i>Price must include all miscellaneous charges: fuel, transportation etc. No other charges will be accepted.</i>			

Business Name:			
Street or PO Box			
City, State, Zip			
Telephone Number			
Fax Number			
Email Address			
Contact Name			
Title		Date	