



INVITATION TO BID

FINANCE DEPARTMENT

GREGORY N. L'HEUREUX
Finance Director

KRISTIE BRADBURY
Deputy Finance Director

COLLEEN C. SELBERG
Purchasing Agent

Bid #24-15

Portable Asphalt Recycling Machine

Sealed bids for furnishing a Portable Asphalt Recycling Machine 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, Room 105, City Hall, 25 Cottage Road, South Portland, Maine 04106, until 2:00 pm., Tuesday, April 14, 2015 at which time, they will be publicly opened and read aloud. Proposals received after that date and time will not be considered.

Bids shall be submitted on the attached bid form in sealed envelopes, plainly marked "Bid #24-15 Portable Asphalt Recycling Machine" 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, 42 O'Neil Street, South Portland, Maine.

All equipment offered on this bid should be 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.

Bid award will be based on the low bidder meeting 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 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, if applicable.

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

If your business is a foreign corporation, limited liability company, limited partnership and or limited liability partnership, you must include with your bid, proof from the Maine Secretary of State's office that you are qualified to do business in the State of Maine.

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

Mailing address: P.O. Box 9422, South Portland, ME 04116-9422
Telephone (207) 767-3201 Fax (207) 767-7620

Specifications for Portable Asphalt Recycling Machine

Trailer Mounted, Up to 4 tons per hour, for recycling Millings, Chunked or Broken asphalt

The intent of the following general and detailed specifications is to describe the minimum requirements of a new, not previously used trailer mounted Up to 4 Ton per Hour asphalt recycler. Brand names, makes, and model numbers contained herein are for reference only in regards to the type, level of quality, and durability that the Municipality will accept as a minimum. The Municipality, at its discretion, reserves the right to reject any and/or all bid proposals or make an award to the most responsive / best bidder that in its opinion meets the minimum specifications and requirements set herein forth. Prototypes will not be accepted.

Unit being bid must be manufactured in North America by a company with extensive experience in the asphalt equipment industry. State Country of manufacture : _____

It is a condition of this tender that bidders submit descriptive literature and specifications of the equipment quoted on and also be prepared, when requested, to arrange for a demonstration within five days of such a request at no cost to the Municipality. The demonstration must be performed within this State.

The bidder must supply a video demonstration on CD or DVD of the model being offered or a website where the video can be viewed. The video must be narrated and show the major features of the recycler.

CD or DVD Enclosed or Website: _____

SPECIFICATIONS

1.0 Performance & Operation

- 1.1 Load size Up to (4) tons per hour. (3,268 kg per hour)and Capable of up to 2600 lbs per load Yes___ No___ Specify_____
- 1.2 Recycled asphalt temperature will be monitored by the operator with a supplied infrared digital thermometer Yes___ No___ Specify_____
- 1.3 Operating temperature range to be 280° F (137.7° C) to 360 ° F (182.2° C). Yes___ No___ Specify_____
- 1.4 Unit will recycle mechanically broken, chunk pieces, (up to 12” – 30.5 mm) or milled asphalt (RAP). Yes___ No___ Specify_____

2.0 Trailer Specifications

- 2.1 GVWR of the trailer shall be 14,000 lbs (6,350 kg.) Yes___ No___ Specify_____
- 2.2 Shall be equipped with dual 7,000 lbs. (3,175 kg.) axles with 5 leaf slipper springs Yes___ No___ Specify_____
- 2.3 Axle frame must be heavy duty construction built with 8" channel steel with (6), 6" cross members. Lightweight frame construction will not be accepted. Yes___ No___ Specify_____
- 2.4 Electric trailer brakes equipped on all four (4) wheels with trailer break-away kit. Yes___ No___ Specify_____
- 2.5 Four (4) - ST235/80R16 trailer service tires, rated at 3,500 lbs (1,587 kg.) each. with steel painted rims. Yes___ No___ Specify_____
- 2.6 Trailer shall be equipped with diamond plate steel fenders, 3/16" (4.76 mm) welded to the frame. Yes___ No___ Specify_____
- 2.7 Trailer hitch shall be 3" (76.2 mm) pintle style, adjustable 18" (457 mm.) to 30" (762mm). Yes___ No___ Specify_____
- 2.8 Trailer must be equipped with a 7,000 lb. (3,175 kg.)tube type jack stand, swivel mount, top wind. Yes___ No___ Specify_____
- 2.9 Must be equipped with trailer safety chains (2), constructed of min. 3/8" (9.5mm) zinc coated grade 70 chains with forced slip hooks. Yes___ No___ Specify_____
- 2.10 Trailer frame must be open in the front to allow for installation of tool box and optional accessories. Floor to be constructed of steel mesh or checkerplate. Yes___ No___ Specify_____
- 2.11 Unit to be manufacturer's standard colors. Yes___ No___ Specify_____
- 2.12 Trailer lighting must be compatible with state legislation. NATM Certified trailer Yes___ No___ Specify_____

3.0 Dimensions & Weight

- 3.1 Overall length (with loading hopper in travel position) to be 23' 10" (726 cm). Yes___ No___ Specify_____
- 3.2 Overall width 8' 0" (243.8 cm). Yes___ No___ Specify_____
- 3.3 Overall height with hopper in travel position 9' 0" (274 cm). Yes___ No___ Specify_____
- 3.4 Overall height with hopper in working position 10' 2" (310 cm). Yes___ No___ Specify_____
- 3.5 Net Weight 9,460 lbs. (3,810 kg.) Yes___ No___ Specify_____

4.0 Loading Hopper

- 4.1 Hopper hydraulically actuated into locking position for safe travel and be equipped with safety pins. Yes___ No___ Specify_____
- 4.2 Hopper will allow a safe rear loading position only. Side loading units that require complete traffic stoppage will not be accepted. Yes___ No___ Specify_____
- 4.3 Loading hopper size 26” (66 cm) x 94” (238.7 cm) Yes___ No___ Specify_____
- 4.4 Loading hopper to be constructed of 3/16” (4.76 mm) 250 brinell hardened steel. Yes___ No___ Specify_____
- 4.5 Hopper movement shall be powered by (2) hydraulic cylinders, 2” (50.8 mm) x 16” (406 mm) each. Yes___ No___ Specify_____
- 4.6 Hopper shall incorporate (2) manually engaged 12 volt Vibrators to clear hopper of any materials prior to raising Hopper to the stowed position Yes___ No___ Specify_____

5.0 Asphalt Heating Drum

- 5.1 Heating drum shall be constructed of 3/16” (4.76 mm) 450 brinell hardened steel. Yes___ No___ Specify_____
- 5.2 Heating drum core to be covered with 1” (2.54 cm) high temperature refractory insulation and encased in steel. Yes___ No___ Specify_____
- 5.3 Drum agitation shall incorporate (7) drum agitators/flights constructed of 3/16” (4.76 mm) 450 brinell hardened steel. Yes___ No___ Specify_____
- 5.4 Drum rotation shall be hydraulic, reversible, approximate speed 9 rpm. Yes___ No___ Specify_____
- 5.5 Drum must be able to dump directly into a frontend loader or small quantities into a skidsteer bucket. Yes___ No___ Specify_____
- 5.6 (2) Access side panel doors shall be provided for ease of inspection & maintenance of moving parts. Yes___ No___ Specify_____
- 5.7 Must be equipped with automatic 12 volt exhaust assist fan Yes___ No___ Specify_____
- 5.8 Hopper supported by frame and incorporates 9 crossmembers Yes___ No___ Specify_____

6.0 Diesel Engine

- 6.1 Engine shall be a diesel powered Kubota, Model D902-898 CC,3 cylinder Yes___ No___ Specify_____
- 6.2 Shall be EPA Tier 4 rated. Yes___ No___ Specify_____
- 6.3 Engine HP shall be 21.6 @ 3,200 RPM minimum. Yes___ No___ Specify_____

6.4 Shall be liquid cooled. Yes___ No___ Specify_____

6.5 Shall be equipped with a 12v. electric starter. And 40amp alternator Yes___ No___ Specify_____

6.6 Shall be equipped with a mechanical fuel pump and fuel filter. Yes___ No___ Specify_____

6.7 Engine to be equipped with toggle switch for preset Idle and run speeds Yes___ No___ Specify_____

7.0 Hydraulics

7.1 Hydraulic reservoir capacity minimum 22 gallon (83.2 Litre). State capacity. Yes___ No___ Specify_____

7.2 Hydraulic pump output shall be minimum 9.5 gpm. (36 lpm). State output. Yes___ No___ Specify_____

7.3 Hydraulic motor capacity shall be 38 cu. inch. (622.7 cu. cm) Yes___ No___ Specify_____

7.4 Hydraulic dump cylinder (bore x stroke) lift 6" x 15" (12.7 cm x 38 cm), load cylinders (2) 2" x 16" (50.8 mm) x 16" (406 mm) each. Yes___ No___ Specify_____

7.5 Must be equipped with hydraulic oil cooler with bypass and a hydraulically driven cooler fan. Yes___ No___ Specify_____

7.6 Hydraulic system must be equipped with a pressure gauge, spin on filter and internal filter (finger strainer). Yes___ No___ Specify_____

8.0 Fuel System

8.1 Acceptable fuel is No. 1 or No. 2 diesel, or B-5 bio-diesel. Yes___ No___ Specify_____

8.2 Fuel tank capacity minimum 80 gallon (284 litre). State capacity. Yes___ No___ Specify_____

8.3 Shall be equipped with a secondary fuel filter on the supply line. Yes___ No___ Specify_____

8.4 Must be equipped with a fuel shut-off valve. Yes___ No___ Specify_____

9.0 Burner System

- 9.1 Burner to be Beckett Model SDC with 13.5 VDC, ¼ HP, 3,450 RPM motor. Yes___ No___ Specify_____

- 9.2 Burner capacity shall be minimum 700,000 BTU (0.7 MBTU/hr). State capacity. Yes___ No___ Specify_____

- 9.3 Burner control assembly will contain a manual on/off switch, 12 volt meter, hour meter and pressure gauge. Yes___ No___ Specify_____

- 9.4 Burner assembly must adjust from travel position to to burn position via a 4' (122 cm) swing arm and lock with a spring loaded locking pin and safety pin. Yes___ No___ Specify_____

- 9.5 Burner will automatically shut down if the burner is removed from the heating position before the diesel burner is shut off. Yes___ No___ Specify_____

10.0 Accesories

- 10.1 Must be equipped with a 20" (50.8 cm) treadplate lockable tool box. Dimensions 20" w x 9" h x 9.7" d. (50.8cm x 22.8cm x 24.4cm). Yes___ No___ Specify_____

- 10.2 Must be equipped with a hand held infared heat thermometer. Yes___ No___ Specify_____

- 10.3 Must be equipped with a grease gun and greasing schedule. Yes___ No___ Specify_____

- 10.4 Must be equipped with an operators manual for the recycler, burner manual and diesel engine manual. Operators manual must contain safety procedures. Yes___ No___ Specify_____

11.0 Safety

- 11.1 Unit must have appropriate safety decals installed. Yes___ No___ Specify_____

- 11.2 Must have diesel fuel shutoff valve and Yes___ No___ Specify_____

- 11.3 Must have 2.5 lb. (1.13 kg.) fire extinguisher installed Yes___ No___ Specify_____

- 11.4 Unit must be equipped with red emergency 1 1/2" mushroom Shutdown switch to cut power on engine/hydraulics and burner in an emergency Yes___ No___ Specify_____

12.0 Warranty

12.1 Manufacturers standard 12 month warranty.
Warranty statement from manufacturer must
be submitted with tender or tender will be
considered void.

Yes___ No___ Specify_____

13.0 Training

13.1 Training will be provided on the operation and
maintenance of the unit. (4 hours training) at the
customer's premises at no extra cost.

Yes___ No___ Specify_____

14.0 Options To Be Included

Rake & Shovel Holder (Without Tools)

Yes___ No___ Specify_____

Strobe light

Yes___ No___ Specify_____

Work lights

Yes___ No___ Specify_____

20 lb. Fire Extinguisher Mounted w-Cover

Yes___ No___ Specify_____

Option 1

The City would consider pricing on a demonstration unit provided it meets the minimum requirements of the bid specifications.

PROPOSAL

The UNDERSIGNED hereby proposes to furnish the City of South Portland with a Portable Asphalt Recycling Machine in accordance with the attached Invitation to Bid, the attached Specifications, and at the following prices, warranty and delivery time:

Item: One Portable Asphalt Recycling Machine as described above

Unit being bid must be manufactured in North America by a company with extensive experience in the asphalt equipment industry.

State Country of manufacture : _____

The bidder must supply a video demonstration on CD or DVD of the model being offered or a website where the video can be viewed. The video must be narrated and show the major features of the recycler.

Indicate:

CD or DVD Enclosed **or** Website: _____

Unit being offered:

Year: _____ Make: _____

Model: _____ Delivery Time: _____

Warranty: _____

Signed: _____
(Corporation, Firm or Company)

By: _____
(Officer, Authorized Individual or Owner)

Title: _____

Mailing Address: _____

Zip Code _____ Date: _____

Telephone: _____ Fax: _____

E-Mail: _____

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