

# City of Auburn, Maine

*"Maine's City of Opportunity"*

## Financial Services



September 16, 2015

Dear Bidder:

The City of Auburn is accepting written proposal for the Auburn Public Works Department for a **2015 Four Ton Portable Asphalt Heating Unit**. The City reserves the right to accept or reject any or all proposals in whole or in part and to waive any informality the City may determine necessary. The City also reserves to itself the exclusive right to accept any proposals when it is deemed by the City to be in its best interest. The City of Auburn is governed by Title 1 M.R.S.A. § 401-410, otherwise known as the Freedom of Information Act, which considers bid specifications as public documents. In awarding any proposal, the City may consider, but not be limited to, any of the following factors: Bidder qualifications, price, experience, financial standing with the City, warranties, references, bonding, delivery date, and service of Bidder. Vendors/Contractors shall be current on all amounts due to the City of Auburn prior to the City entering into any contract agreement. All proposals must include FOB to Auburn, Maine unless otherwise specified.

Proposals will not receive consideration unless submitted in accordance with the following instructions bidders. Please mark sealed envelopes plainly: **"2015 Four Ton Portable Asphalt Heating Unit – Bid 2016-005"**.

Questions regarding this Request for Bids should be directed to Adam Stevens, Highway Supervisor, at (207) 333-6601, ext. 2160.

Please submit your proposal to the City of Auburn by 2:00 p.m. **Thursday, October 1<sup>st</sup>, 2015**. Proposals will be opened at 2:00 p.m.. Proposals must be delivered to **Derek Boulanger, Facilities Manager/Purchasing Agent, 60 Court Street, Auburn, Maine 04210** on or before the date and time appointed. No proposals will be accepted after the time and date listed above.

Sincerely,

Derek Boulanger  
Facilities Manager/  
Purchasing Agent

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**CONDITIONS AND INSTRUCTIONS TO BIDDERS**

1. Bidders shall use the enclosed bid form for quotations. Whenever, in bid forms, an article is defined by using a trade name or catalog number, the term "or approved equal", if not inserted, shall be implied.
2. Submit a separate unit price for each item unless otherwise specified in the bid request. Award will be made on a basis of each item, or as a group, whichever is in the best interest of the City. Prices stated are to be "delivered to destination".
3. Bid proposals must be completed in full, in ink and must be signed by firm official. Bid proposal **MUST be notarized** prior to bid being sealed and will be disqualified if not notarized. Bids may be withdrawn prior to the time set for the official opening.
4. Bids will be opened publicly. Bidders or representatives may be present at bid opening.
5. Awards will be made to the lowest responsible bidder, considering the quality of the materials, date of delivery, cost which meets specification and is in the best interest to the City of Auburn.
6. All transportation charges, including expense for freight, transfer express, mail, etc. shall be prepaid and be at the expense of the vendor unless otherwise specified in the bid.
7. The terms and cash discounts shall be specified. Time, in connection with discount offered, will be computed from date of delivery at destination after final inspection and acceptance or from date of correct invoice, whichever is later.
8. The City is exempt from payment of Federal Excise Taxes on the articles not for resale, Federal Transportation Tax on all shipments and Maine Sales Tax and Use Taxes. Please quote less these taxes. Upon application, exemption certificate will be furnished with the Purchase Order when required.
9. Time of delivery shall be stated. If time is of the essence, the earliest date may be a factor in the bid award.
10. No contract may be assigned without the written consent of the Finance Director or her designate. The contract shall not be considered valid until a purchase order has been issued to the successful bidder.
11. Please state **"2015 Four Ton Portable Asphalt Heating Unit – Bid 2016-005"**, on submitted, sealed envelope.
12. The City of Auburn reserves the right to waive any formality and technicality in bids whichever is deemed best for the interest of the City of Auburn.

**GENERAL CONDITIONS**

**1. Equal Employment Opportunity**

The City of Auburn is an Equal Opportunity Employer and shall not discriminate against an applicant for employment, and employee or a citizen because of race, color, sex, marital status, physical and/or mental handicap, religion, age, ancestry or natural origin, unless based upon a bona-fide occupation qualification. Vendors and contractor or their agents doing business with the City shall not violate the above clause or the Civil Rights Acts of 1964. Violations by vendors shall be reviewed on a case-by-case basis and may mean an automatic breach of contract or service to the City of Auburn.

**2. Save Harmless**

The Bidder agrees to protect and save harmless the owner from all costs, expenses or damages that may arise out of alleged infringement of patents of materials used.

**3. Subcontracting**

The Bidder shall not subcontract any part of the work or materials or assign any monies due it without first obtaining the written consent of the municipality. Neither party shall assign or transfer its interest in the contract without the written consent of the other party.

**4. Warranty**

The Bidder warrants that all work will be of good quality and free from faults and defects, and in conformance with the specifications. All work not so conforming to these standards may be considered defective. The Bidder agrees to be responsible for the acts and omissions of all of its employees and all subcontractors, their agents and employees, and all other persons performing any of the work under a contract with the Bidder.

**BID PROPOSAL FORM**  
**Due Thursday, October 1<sup>st</sup>, 2015**

To: City of Auburn  
Derek Boulanger,  
Facilities Manager/  
Purchasing Agent  
60 Court Street  
Auburn, ME 04210

The undersigned individual/firm/business guarantees this price for Thirty days (30) from the bid due date. The undersigned submits this proposal without collusion with any other person, individual, or firm or agency. The undersigned ensures the authority to act on behalf of the corporation, partnership or individual they represent; and has read and agreed to all of the terms, requests, or conditions written herein by the City of Auburn, Maine. By signing this bid form, the firm listed below hereby affirms that its bid meets the minimum specifications and standards as listed above.

Signature \_\_\_\_\_ Name (print) \_\_\_\_\_

Title \_\_\_\_\_ Company \_\_\_\_\_

Address \_\_\_\_\_

Telephone No. \_\_\_\_\_ Fax No. \_\_\_\_\_

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

STATE OF MAINE  
\_\_\_\_\_, SS.

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

Personally appeared \_\_\_\_\_ and acknowledged the foregoing instrument to be his/her free act and deed in his/her capacity and the free act and deed of said company.

\_\_\_\_\_  
Notary Public

\_\_\_\_\_  
Print Name  
Commission Expires \_\_\_\_\_

**GENERAL SPECIFICATIONS**

**FOR A 4-TON DIESEL FIRED ASPHALT HAULING TRAILER  
WITH OPTIONS**

**“BIDDING REQUIREMENTS SECTION”**

SECTION	SPECIFICATION DETAIL	COMPLY
<b>HOPPER</b>	<ul style="list-style-type: none"> <li>· The hopper must have a 4-ton capacity consisting of triple wall construction with: The front wall shall be at a 47% slope to the back wall and all the inner and middle walls 10 gauge steel. The entire hopper walls along with the front slope shall be from the bottom of the hopper to the top of the hopper doors with no 90 degree angles for asphalt material to load at the bend. The center of the hopper shall have a baffled oil wall of 10 gauge steel for optimal heat distribution, and the side outer walls of 12 gauge steel with the front and the rear of 10 gauge steel securing the ceramic and fiberglass insulation.</li> <li>· The space between the oil wall and air wall shall support an adjustable exhaust system consisting of a minimum of 11 heat portals which creates a surrounding draft flow or heat retention in the hopper. The front of the hopper shall have one exhaust port and the two side walls shall each have an adjustable vented port in the midway of the side hopper on the top of the hopper. The exhaust vents must be covered.</li> <li>· The hopper must have a center 10 gauge, 2” wide x 36” tall filled with 20 gallons of thermal fluid oil, the center divider shall create two separate bins that will move heated oil from the bottom of the floor to the top of the hopper in a vertical and horizontal fashion. This circulates the heat from the front to the back as well as around the sides for even heating. The total surface surrounding the hopper in thermal blanket is 42 gallons. It shall have a surface area totaling 12,291.5 square inches of the thermal solid oil blanket for even asphalt heating.</li> <li>· The hopper floor is constructed of 9/16” thick bimetal for optimum heat transfer and has baffled heat chambers.</li> <li>· The heated rear wall provides a single unloading door system that allows a 35” W x 18” H guillotine door that allows material to flow when opened. The door system shall be manual for 5 metering positions and there shall be an electronic operator</li> </ul>	<p>YES [ ] NO [ ]</p>



<p><b>TRAILER (CONTINUED)</b></p>	<p>supported by a large 4"x6" steel foot pad for greater load distribution.</p> <ul style="list-style-type: none"> <li>· The trailer consists of 7,000 LB tandem axles with 3,000LB spring suspension per wheel.</li> <li>· The rims are heavy duty 8-bolt solid steel wheels and have 235/80R/16-F tires for a minimum 14,000 GVWR.</li> <li>· The fenders are fabricated 12 gauge steel with a flat top surface for mounting options and that is 13" wide with a steel skirt that is welded to the frame. The end of the fenders shall be flat for mounting any additional options not rounded on the end closest to the rear unloading door and a 45 degree angle in the front.</li> </ul> <p>Or competitor equivalent to the above. Exceptions and deviations on page 14, please reference section in explanation.</p>	<p>YES [ ] NO [ ]</p>
<p><b>HEAT SYSTEM</b></p>	<ul style="list-style-type: none"> <li>· The combustion chamber measures 100 sq. in. and is mounted to the front of the hopper which provides a shield for the 105,000 BTU burner.</li> <li>· The removable face of the combustion box provides quick replacement of the cartridge style ceramic liner.</li> </ul> <p>Or competitor equivalent to the above. Exceptions and deviations on page 14, please reference section in explanation.</p> <ul style="list-style-type: none"> <li>· A single fuel solenoid powers the pressurized pump to control the flow of diesel to the burner.</li> <li>· A cad cell eye monitors the flame in the burner for safety.</li> <li>· An automatic temperature control system shall be included with an automatic shut down safety system feature that shall be included in the system. A separate relight switch shall be located outside the main control box on the trailer frame.</li> <li>· The spark ignition coil supplies power to the electrodes to ignite the fuel.</li> <li>· The main power switch is located in a NEMA 3R lockable control box, which is bolted on the rear of the hopper.</li> </ul>	<p>YES [ ] NO [ ]</p>

<p><b>HEAT SYSTEM (CONTINUED)</b></p>	<ul style="list-style-type: none"> <li>· The 1"x 3" digital snap in thermostat shows actual and desired heat temperature of the asphalt in the hopper and is easy replaceable.</li>   <li>· The rear mounted control box with a 1/16<sup>th</sup> Din microprocessor displays numbers for the actual temperature reading while displaying numbers for the desired temperature of the hopper.</li>   <li>Operating instructions sticker is displayed inside of control box.</li>   <li>· The control box also houses a battery voltage gauge and hour meter gauge along with replaceable fuses on the front side of the faceplate and a 12vdc 7 day 24 hour timer and clock.</li>   <li>· An Interstate battery, set in the battery box, is ready for a recharging system. The battery shall be a 1,400 total amps battery(s). There shall be a marine battery charger hard wired to the battery. There shall be a toggle switch to separate the charge mode from a daily run mode on the curbside of the front control box. There shall also be a power up/ power down electric over hydraulic system in the same box controlling all hydraulic functions. This system shall have a 30 amp replace fuse to protect the system. 4 gauge color coded wires shall run from the power hydraulic system to the 1400 amp battery with a 50 amp inline fuse.</li>   <li>Or competitor equivalent to the above. Exceptions and deviations on page 14, please reference section in explanation.</li> </ul>	<p>YES [ ] NO [ ]</p>
<p><b>MANUALS</b></p>	<ul style="list-style-type: none"> <li>· One parts, operation, and service manual.</li> </ul>	<p>YES [ ] NO [ ]</p>
<p><b>WARRANTY &amp; DELIVERY</b></p>	<ul style="list-style-type: none"> <li>· One year front to back warranty on trailer and hopper.</li>   <li>Unit to be fully functioning upon delivery.</li>   <li>Optional 3 year warranty front to back to include burner and all parts.</li>   <li>Four hours of safety, operation, and recycling instruction are required upon delivery of the unit by a factory-trained technician.</li>   <li>Annual training as requested from the City of Auburn.</li> </ul>	<p>YES [ ] NO [ ]</p>



<p><b>DUMP HOPPER</b></p>	<p>· The controls for the dump system are housed in a minimum 36" metal box which is mounted to the front of the trailer frame with a 7 gauge floor. The box is a semi triangle shape with a full 7 gauge plate floor. The rear width of the box measures 45 inches.</p>	<p>YES [ ] NO [ ]</p>
	<p>Or competitor equivalent to the above. Exceptions and deviations on page 14, please reference section in explanation.</p>	<p>YES [ ] NO [ ]</p>
	<p>· The hopper shall tilt to a 30 degree angle by means of two 2" inch bore by 20 stroke hydraulic cylinders with grease zerck fittings at each end. The hopper shall have a 72 degree dumping angle when in the up position.</p>	<p>YES [ ] NO [ ]</p>
	<p>Or competitor equivalent to the above. Exceptions and deviations on page 14, please reference section in explanation.</p>	<p>YES [ ] NO [ ]</p>
	<p>· Each cylinder shall rise at the same flow rate and only raise the hopper and not the entire trailer frame structure.</p>	<p>YES [ ] NO [ ]</p>
<p><b>DUMP HOPPER (CONTINUED)</b></p>	<p>· This function shall have an operator control button at the rear of the hopper for up and down movement that triggers an audible alarm. The entire system shall have a quick 30 amp safety shutoff. A separate 30 amp fuse shall protect the entire system. Cycle time to not be more than one minute up and no more than one minute down.</p>	<p>YES [ ] NO [ ]</p>
	<p>· A marine battery charger, sealed for weather conditions and directly wired to the battery, is mounted in the metal vented box with a quick plug in outlet which is protected by a gasket lined, metal flip door which receives a 110V plug for charging purposes. A separate line shall be used for charging only and one for running the system separate which is marked with metal etched label to the operator. There shall also be a power up/ power down electric over hydraulic system in the same box controlling all hydraulic functions. This system shall have a 300 amp replace fuse to protect the system. 4 gauge color coded wires shall run from the power hydraulic system to the 1,400 amp battery with a 50 amp line fuse.</p>	<p>YES [ ] NO [ ]</p>
	<p>There shall be a battery shut-off master switch attached on the outside of the metal vented box easily reached by the operator.</p>	<p>YES [ ] NO [ ]</p>
	<p>Or competitor equivalent to the above. Exceptions and deviations on page 14, please reference section in explanation.</p>	<p>YES [ ] NO [ ]</p>

<p><b>HYDRAULIC TOP DOORS</b></p>	<ul style="list-style-type: none"> <li>· The top doors shall be hydraulically operated with separate controls mounted in a metal box which is located to the front of trailer frame. There shall be a minimum 10 foot cord to the pendent and sound an audible alarm each time the pendent is operated.</li> <li>· The cylinders shall be a 2” bore and maximum 12” stroke with grease zerk fittings at each end. Cycle time to be no more than one minute up and no more than one minute down.</li> </ul>	<p>YES [ ] NO [ ]</p> <p>YES [ ] NO [ ]</p>
<p><b>REAR HYDRAULIC UNLOADING DOOR</b></p>	<ul style="list-style-type: none"> <li>· The rear door shall have separate controls which are mounted in a metal box and located to the rear of the trailer frame. There shall be a minimum of a 10 foot cord on the pendent and sound an audible alarm each time the rear door system moves up or down. There shall be an electronic safety override button at the rear for operator safety.</li> </ul>	<p>YES [ ] NO [ ]</p>
<p><b>SOLVENT TANK</b></p>	<ul style="list-style-type: none"> <li>· The solvent tank for shovels are located on the back of driver side fender and bolted flush to the back of the fender with a solid side hinged top access door.</li> <li>· The tank measures 13”×13”×16” and have an 11.5 gallon capacity and will fit 2 shovels.</li> <li>· The tank is fabricated out of 12 gauge steel and has a 1.5” drain plug.</li> </ul>	<p>YES [ ] NO [ ]</p> <p>YES [ ] NO [ ]</p> <p>YES [ ] NO [ ]</p>
<p><b>LIGHTING/ ELECTRICAL</b></p> <p><b>STROBE LIGHTS</b></p> <p><b>ARROW STICK LED</b></p>	<p>Dual LED tail lights -- with directional and stop/tail/turn lights – mounted 66” off the ground for high visibility. One ID bar centered at the peak of rear hopper wall. Four marker lights placed at the front and back corners of the hopper walls. All lighting to be protected from hot asphalt by steel brackets. Dual LED lights to be mounted in a common metal-protected bolt on fixture. Lighting to include two, 4” AMBER LED strobe lights, two, 4” RED LED Stop/turn/tail lights, and four LED marker lights. Amber strobe lights and red stop/tail/turn lights to be mounted in a common metal-protected, bolt on fixture. To be wired into 7-pin connector per City of Auburn Spec.</p> <ul style="list-style-type: none"> <li>· There shall be two (2) LED strobe lights and shall be mounted on brackets that self level on the rear area of the top doors. If mounted on dump hopper strobes shall also be self leveling and viewable to oncoming traffic in the dump position.</li> <li>· An LED amber arrow stick shall be mounted on a bolt on bracket to the front of the hopper area high enough for visibility of oncoming traffic and self leveling if a dump hopper. A separate control box shall be mounted next to the arrow stick in a NEMA 3</li> </ul>	<p>YES [ ] NO [ ]</p> <p>YES [ ] NO [ ]</p> <p>YES [ ] NO [ ]</p>

<p><b>TRAILER BRAKES</b></p> <p><b>TRAILER WIRING</b></p>	<p>rated box for left, right and flashing operation signals.</p> <p>Electric Brakes on all wheels with safety breakaway.</p> <p>Trailer plug-in connector to be 7-pin flat, 7-pin round.</p> <p>All wires shall be THHN, stranded copper, and color coded.</p> <p>Wiring connections shall be soldered, sealed in shrink-wrap, covered with high temperature corrugated loom and protected by steel conduit.</p> <p>All wiring and enclosures shall be NEMA-3 rated.</p> <p>All wiring is external to the hopper walls.</p>	<p>YES [ ] NO [ ]</p>
<p><b>RECLAIMING</b></p>	<p>· The reclaiming feature shall not add any more than the original 105,000 BTU's to the main hopper. It shall heat the hopper evenly and allow the hopper to reach a 350degree temperature from the bottom of the hopper to the top. It will return the hardened hot mix back into a molten state within a 7 hour time period throughout the entire hopper with even consistency and no un-reclaimed chunks. The hopper shall heat by a means of a flowing thermal fluid that is 1 inch thick on the bottom and covers the entire walls, floor and up through the center of the hopper. It also allows for inner hopper flow of thermal fluid to move from the left wall to the right wall and from the front wall to the back wall. This will allow a complete circulation of the thermal oil. The hopper is designed with a middle thermal fluid wall that is made of ten gauge steel, making the entire hopper a quad wall from the top to the bottom. The entire hopper shall hold 32 gallons and have no internal piping between hopper walls. A total of 8,291.5 square inches shall cover the hopper. The overflow tank shall have a fill port and reach in a rectangular fashion from one side of the hopper to the other. The control box also houses a battery voltage gauge and hour meter gauge along with replaceable fuses on the front side of the faceplate and a 12vdc 7 day 24 hour timer and clock.</p> <p>Or competitor equivalent to the above. Exceptions and deviations on page 14, please reference section in explanation.</p>	<p>YES [ ] NO [ ]</p> <p>YES [ ] NO [ ]</p>
<p><b>FIRE</b></p>	<p>· There shall be a front mounted 20 lb ABC rated fire extinguisher</p>	<p>YES [ ] NO [ ]</p>

<b>EXTINGUISHER</b>	in a quick release canister with security chain and cover.	
<b>VIBRATORY ROLLER</b>	· An 11"x19 " holding plate with a 2"x3" frame using expanded metal flooring shall be mounted to the trailer frame in front of the hopper to house the vibratory roller. A positive rear lock with additional chain hold downs will be used to secure the roller to the holding plate	YES [ ] NO [ ]

**EXCEPTIONS AND DEVIATIONS:**

Bidder shall fully describe every variance, exception, and/or deviation. If additional space is needed, please include additional sheets.

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**BID PROPOSAL**

**The undersigned proposes to furnish One (1) Model Year 2015  
A 4-TON  
DIESEL FIRED ASPHALT HAULING TRAILER  
WITH OPTIONS**

Equipment will be FOB 296 Gracelawn Ave. Auburn accessories in accordance with the Instruction to Bidders and Specifications, both of which are incorporated herein by reference. . **Please note:** Bidder shall fully describe every variance, exception, and/or deviation. If additional space is needed, please include additional sheets.

Make and Model and Year- Equipment

\_\_\_\_\_

**Net FOB Auburn Highway Garage (Total Price)\$** \_\_\_\_\_

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

Name of Company \_\_\_\_\_

Signed by: \_\_\_\_\_

Print Name:  
\_\_\_\_\_

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

Address:  
\_\_\_\_\_  
\_\_\_\_\_

Fax: \_\_\_\_\_