
The City of Traverse City
Office of the City Manager

Governmental Center
400 Boardman Avenue
Traverse City, MI 49684
(231) 922-4440
(231) 922-4476 Fax



May 23, 2014

Bidder:

The City of Traverse City will receive sealed bids in the Office of the City Manager, Second floor, Governmental Center, 400 Boardman Avenue, Traverse City, Michigan, 49684, until **Thursday, June 5, 2014, at 2:00 p.m.** for the following:

**One (1) Portable Asphalt Recycling Machine, Trailer Mounted,
+3 tons per hour, for recycling Millings, Chunked or Broken Asphalt**
(specifications attached)

If the specifications are obtained from the City's new updated website link at: http://www.traversecitymi.gov/bids_and_rfps.asp, it is the sole responsibility of the Bidder to check the website for updates and addenda prior to the bid being submitted. Bidder may also sign up to receive notifications when bids and RFPs are posted by sending an e-mail requesting same to jdalton@traversecitymi.gov

The City of Traverse City reserves the right to accept or reject any or all bids, waive irregularities, and to accept the bids either on an entire or individual basis that is in the best interest of the City.

The City accepts no responsibility for any expense incurred by the Bidder in the preparation and presentation of a bid. Such expenses shall be borne exclusively by the Bidder.

Only the successful Bidder will be notified. If you so desire, you may call for results.

You must indicate on the outside of the sealed envelope that the bid is for the "**Asphalt Recycling Machine.**"

You must submit **TWO (2) SEALED COPIES** of the bid to the City Manager's Office prior to the above-indicated time and date or the bid will not be accepted. Telefaxed or E-Mail bids will not be accepted.

Please note that if you have previously submitted an informal quote, you will still need to submit a sealed bid prior to the date and time specified above in order to be considered. Please ensure that all requirements listed in the specifications are met.

If you have any questions, please contact Scott Meter, Garage Superintendent, at (231) 922-4900 ext. 111 before the bid is submitted.

PLEASE SUBMIT BID TO: Julie Dalton, Purchasing Agent
City Manager's Office, Governmental Center
Second Floor, 400 Boardman Avenue
Traverse City, MI 49684

MINIMUM REQUIREMENTS: The attached detailed specification shall be construed as minimum. Should manufacturer's current published data or specifications exceed these, such standards shall be considered minimum and furnished. All integral parts not specifically mentioned in the scope of these specifications which are necessary to provide a complete working unit shall be furnished.

SILENCE OF SPECIFICATIONS: The apparent silence of this specification and any supplemental specification as to any details or the omission from it of a detailed description concerning any point shall be regarded as meaning that only the best commercial practices are to prevail and that only material of first quality and correct type, size, and design are to be used. All workmanship is to be first quality. All interpretations of this specification shall be made upon the basis of this statement.

COMPLIANCE: Bidder must complete and return the enclosed bid forms, including bid sheet. Enter "yes" in the correct column if your equipment meets or exceeds the requested specification. If your equipment does not comply with the requested specification then enter "EXCEPTION" or other information which may pertain in the "specify" space. If the item is equivalent then please indicate that fact. All exceptions must be fully explained in the "bidder proposes to furnish" column or on another sheet of paper. If nothing is written in the column then the City will assume that the bidder will precisely and exactly meet the specifications requested.

THE CITY OF TRAVERSE CITY RESERVES THE RIGHT TO ACCEPT OR REJECT ANY OR ALL BIDS, WAIVE IRREGULARITIES, AND TO ACCEPT THE BIDS EITHER ON AN ENTIRE OR INDIVIDUAL BASIS THAT ARE IN THE BEST INTEREST OF THE CITY OF TRAVERSE CITY.

It is the intent of these specifications to describe a portable asphalt recycling machine. There are numerous makes and models of equipment available that will meet or closely meet these criteria. If the specifications requested do not exactly coincide with your equipment you may take exception and bid your equipment. All exceptions must be noted and fully explained on a separate sheet of paper.

If you have ANY questions, or are unclear about what we may be requesting, please contact Mr. Scott Meteer at, 231-922-4900, ext. 111. Please ask questions or request clarifications before the bid is submitted.

CITY OF TRAVERSE CITY, MICHIGAN

Specifications for Portable Asphalt Recycling Machine, Trailer Mounted, +3 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 +3 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 City will accept as a minimum. The City, 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 forth herein. 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 being quoted and also be prepared, when requested, to arrange for a demonstration within five days of such a request at no cost to the City. The demonstration must be performed within Traverse City.

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:

State Year, Make & Model of Unit Being Bid : _____

1.0 Performance & Operation

- | | | |
|-----|---|---------------------------|
| 1.1 | Load size three (3) tons per hour. (1,814 kg per hour) and capable of at least 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 lb. (3,175 kg.) axles. 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 All wiring to be enclosed in loom and all electrical connections are to be sealed with heat shrink tubing (mastic seal filled). If mastic seal butt connectors are used, wire ends are to be lightly coated with dielectric silicone grease before being crimped and heated. Lighting system shall be completely sealed and include waterproof lamps, weatherpack connectors, and weatherproof junction boxes with waterproof choke seals. All plug-in connectors to be coated with silicone dielectric grease. NO scotch locks. NO exceptions. Yes___ No___ Specify_____

Successful bidder to provide wiring diagram.

Trailer connector: 7-pin connector. City to provide successful bidder with wiring diagram.

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 8,700 lbs. (3,810 kg.) Yes___ No___ Specify_____

4.0 Loading Hopper

- 4.1 Hopper hydraulically actuated into locking position for safe travel and 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 manually engaged 12 volt Vibrator to clear hopper of any materials prior to raising Hopper to the stowed position

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 agitator/flight 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 or 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 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 75 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 v. DC 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 Accessories

- 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 infrared 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 parts, service, and operators manual for the recycler, burner and diesel engine . 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. 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 Manufacturer's 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 (minimum 4 hours training) at the customer's premises at no extra cost.

Yes___ No___ Specify_____

14.0 Options To Be Included

14.1 Rake & Shovel Holder (Without Tools)

Yes___ No___ Specify_____

14.2 Work lights

Yes___ No___ Specify_____

14.3 One spare tire and wheel (not mounted)

Yes___ No___ Specify_____

14.4 One complete spare burner unit

Yes___ No___ Specify_____

14.5 One complete set of spare filters, screens (fuel, oil, hydraulic)

Yes___ No___ Specify_____

Bidder - Please complete and return

BID SUMMARY

**TITLE: One (1) Portable Asphalt Recycling Machine, Trailer Mounted,
+3 tons per hour, for recycling Millings, Chunked or Broken Asphalt**

DUE DATE: Thursday, June 5, 2014 at 2:00 PM

Having carefully examined the specifications and any other applicable information, the bidder proposes to furnish all items necessary for and reasonably incidental to the proper completion of this bid. Bidder submits this bid and agrees that the bid may not be withdrawn for a period of sixty (60) days from the actual date of the opening of the bid.

Bidder understands and agrees, if selected as the successful bidder, to accept a Purchase Order / Service Order / Contract from the City and to provide proof of any required insurance.

Bidder submits this bid and agrees to meet or exceed all the City of Traverse City's requirements and specifications unless otherwise indicated in writing and attached hereto.

Bid forms are to be completed, including bid sheet, and submitted. Items not meeting specifications must be noted in the "comply" column and bidder shall fully describe every variance, exception, and/or deviation. Additional sheets may be used and submitted with bid.

Bidder is also required to submit, with the bid, the latest printed manufacturer's specifications and advertising literature on the equipment (including components) to be provided. Completed unit MUST be equipped in compliance with all applicable ANSI, OSHA, State and Federal Motor Vehicle Safety standards and regulations in effect at time of manufacture.

Bidder understands that the City reserves the right to accept any or all bids in whole or in part and to waive irregularities in any bid in the best interest of the City of Traverse City. The bids will be evaluated and awarded on the basis of the best value to the city. Criteria used will include, but not be limited to, bidder/contractor's ability, qualifications, experience, type and amount of equipment, purchase price, maintenance cost(s), insurance, resale, license and permits and overall capability meeting the needs of the City of Traverse City. The City is sales tax exempt – Government.

The Bidder certifies that it is in compliance with the City's Nondiscrimination Policy as set forth in Administrative Order No. 47 and Chapter 605 of the City's Codified Ordinances.

The Bidder certifies that none of the following circumstances have occurred with respect to the Bidder, an officer of the Bidder, or an owner of a 25% or more share in the Bidder's business, within 3 years prior to the bid:

(a) conviction of a criminal offense incident to the application for or performance of a contract;

(b) conviction of embezzlement, theft, forgery, bribery, falsification or destruction of records, receiving stolen property, or any other offense which currently, seriously and directly reflects on the Bidder's business integrity;

(c) conviction under state or federal antitrust statutes;

(d) attempting to influence a public employee to breach ethical conduct standards; or

(e) conviction of a criminal offense or other violation of other state, local, or federal law, as determined by a court of competent jurisdiction or an administrative proceeding, which in the opinion of the City indicates that the bidder is unable to perform responsibility or which reflects a lack of integrity that could negatively impact or reflect upon the City of Traverse City, including but not limited to, any of the following offenses or violations of:

i. The Natural Resources and Environmental Protection Act.

ii. A persistent and knowing violation of the Michigan Consumer Protection Act.

iii. Willful or persistent violations of the Michigan Occupational Health and Safety Act.

iv. A violation of federal, local, or state civil rights, equal rights, or non-discrimination laws, rules, or regulations.

v. Repeated or flagrant violations of laws related to the payment of wages and fringe benefits.

(f) the loss of a license or the right to do business or practice a profession, the loss or suspension of which indicates dishonesty, a lack of integrity, or a failure or refusal to perform in accordance with the ethical standards of the business or profession in question.

Pre-delivery Inspection: Successful bidder shall make a complete inspection of vehicle (and/or equipment) to insure it meets specifications and perform any pre-delivery service(s) required before the vehicle is delivered. Acceptance shall be subject to complete inspection and approval of the City.

Terms: Net Cash. Payment will be made as soon as possible after delivery/acceptance of vehicle/equipment. Price quoted shall include any title fee and all delivery costs to the City Garage, 625 Woodmere Ave., Traverse City, MI 49686.

Bidder certifies that as of the date of this bid, Bidder's company or Bidder is not in arrears to the City of Traverse City for debt or contract and is in no way a defaulter as provided in Section 152, Chapter XVI of the Charter of the City of Traverse City.

The City may require an in house equipment demonstration for your bid to be considered. Bidder agrees that the bid may not be withdrawn for a period of sixty (60) days from the actual date of the opening of the bid.

Year, make, and model of unit bid: _____

COST \$ _____

Submitted by:

Signature

Company Name

Name and Title (Print)

Company Address

Phone Fax

City, State, Zip

Sole proprietorship/partnership/corporation

If corporation, state of corporation