

REQUEST FOR BIDS

The City of Ogallala will be receiving bids until 2:00 P.M. Mountain Time on February 18, 2015 for an Asphalt Recycling Machine.

Specifications may be obtained at the City Clerk's office.

Bids for this project should be enclosed in a sealed envelope, marked "2015 Asphalt Recycling Machine" and returned to: Jane Skinner, Ogallala City Clerk; 411 East 2nd Street; Ogallala, Nebraska 69153, prior to the above date and time.

The City reserves the right to reject any or all bids and to waive any informality in the bids received.

Dated this 27th day of January 2015.



Jane M. Skinner, City Clerk

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February 9, 2015
February 16, 2015

Specifications for Portable Asphalt Recycling Machine, Trailer Mounted, 2 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 +2 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:

State Year, Make & Model of unit being bid:

1.0 Performance & Operation

- 1.1 Load size two (2) tons per hour (1,814 kg per hour) and capable of at least 2600 lbs per load, or better 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), or better Yes___ No___ Specify_____

2.0 Trailer Specifications

- 2.1 GVWR of the trailer shall be 14,000 lbs (6,350 kg.), or equivalent Yes___ No___ Specify_____
- 2.2 Shall be equipped with dual 7,000 lbs. (3,175 kg.) axles, or equivalent 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" (762 mm). 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) or specify length Yes___ No___ Specify_____

- 3.2 Overall width not to exceed 8'0" (243.8 cm) maximum 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 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), or equivalent Yes___ No___ Specify_____
- 4.4 Loading hopper to be constructed of 3/16" (4.76 mm) 250 brinell hardened steel, or equivalent. Yes___ No___ Specify_____
- 4.5 Hopper movement shall be powered by (2) hydraulic cylinders, 2" (50.8 mm) x 16" (406 mm) each, or equivalent 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 Yes___ No___ Specify_____

5.0 Asphalt Heating Drum

- 5.1 Heating drum shall be constructed of 3/16" (4.76mm) 450 brinell hardened steel, or equivalent 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" (4.76mm) 450 brinell hardened steel, or equivalent. 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 Yes___ No___ Specify_____

of inspection & maintenance of moving parts.

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, or equivalent diesel engine

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, or better

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, or equivalent. 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 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_____

KM4-48 Specifications

Option equivalent to these specifications

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|---------------------|--|
| Type: | Infrared Asphalt Recycler Folding Trailer Unit |
| Heating Element: | Infrared Radiant; 1" Ceramic Blanket |
| Fuel: | Propane |
| Working Dimensions: | 6'x8' Plus Castors |
| Heating Zones: | Two (2) Zones 2'x4', Two (2) Zones 4'x4' |
| Zone Controls: | Manual On/Off Valves w/Switched Electronic Cycling |
| Propane: | Three (3) Interchangeable 30 lb. Cylinders |
| Consumption: | Cycled Burn-30 Pounds Per Hour |
| BTU Output: | 840,000 (total of all zones) |
| Pilot: | Automatic, Electronic Ignition |
| Blower: | 12 Volt DC Powered |
| Battery: | 12 Volt, Deep Cycle, Marine Gel |
| Castors: | 4 Pivoting and Swivel; 6" steel |
| Transit Dimen: | Length-8'4", Width-7'6" |
| Suspension: | Leaf Spring |
| Tires: | 4.80 – 8" 2 ply |
| Lights: | Running/Brake/Directional |
| Weight: | 860 lbs. (with full propane tanks) |