



**Request for Proposal  
Asphalt Paver  
RFP18100  
February 21, 2018**

# City of Fargo Request for Proposal

The City of Fargo is requesting proposals for one (1) Asphalt Recycler. Sealed proposals will be received by the City of Fargo Auditor's Office at 200 3<sup>rd</sup> Street North, Fargo, ND 58102, for the purpose of evaluating costs and operating parameters on one new Asphalt Recycler. Upon completion of the evaluation by the selection committee an order may be placed. Proposals will be received until 2:00 PM on March 2, 2018.

## **CITY OF FARGO RIGHTS**

The City reserves the right to cancel this RFP in writing or postpone the date and time for submitting proposals at any time prior to the proposal due date. The City by this RFP does not promise to accept the lowest cost or any other proposal and specifically reserves the right to reject any or all proposals, to waive any formal proposal requirements, to investigate the qualifications and experience of any Proposer, to reject any provisions in any proposal, to modify RFP contents, to obtain new proposals, to negotiate the requested services and contract terms with any Proposer, or to proceed to do the work otherwise.

The City hereby notifies all proposers that it will affirmatively insure that in regard to any contract entered into, pursuant to this request, minority business enterprises will be afforded full opportunity and are encouraged to submit proposals in response to this invitation and will not be discriminated against on the grounds of race, color, sex, or national origin in consideration for an award. The City reserves the right to accept or reject any and all bid if it is in the best interest of the City. All questions and inquiries will be addressed to:

### Street Department Operational Questions:

Ben Dow  
Public Works Director  
Public Works  
402 23<sup>rd</sup> St. N  
Fargo, ND 58102

Email: [bdow@fargond.gov](mailto:bdow@fargond.gov)  
Phone: (701) 241-1453  
Fax: (701) 241-8100

### Equipment Specifications:

Allan Erickson  
Fleet Management Specialist  
Public Works  
402 23<sup>rd</sup> St. N  
Fargo, ND 58102

[aerickson@fargond.gov](mailto:aerickson@fargond.gov)  
(701) 241-1439  
(701) 298-6971

## GENERAL SPECIFICATION

**MODEL:** Unit shall be **new or low hour used**, Asphalt Recycler.

**WARRANTY:** Shall be stated in **writing** on the form provided.

**DELIVERY:** Proposer must perform a complete pre-delivery service prior to delivery of equipment. All units are F.O.B., Fargo Central Garage.

**Proposer must state the number of days for delivery from time of order. In the event of a late delivery, a \$150.00 per day late fee will be accessed against the purchase price with the total not to exceed 2.5% of purchase price.**

**MANUALS:** One (1) complete service manual, digital or printed  
One (1) complete parts manual, digital or printed  
One (1) operator's manuals.  
One (1) training video (if available)

**TRAINING** Upon delivery to end-user Proposer will provide instruction to operators on proper operation and daily maintenance.

**BIDDER** There shall be \$500,000.00 minimum of product Liability coverage by the manufacturer and a minimum of \$500,000.00 liability coverage by the product installers to protect the City of Fargo. Certification shall be provided with proposal.

Preference may be given to Proposer who has a local dealer with a reasonable amount of parts inventory for the unit that has been proposed and a complete service facility. On new models or equipment not previously purchased by the City of Fargo, the selection committee may elect to have a demonstration of the models being considered.

# **Bidding Specifications**

## **1.0 INTENT**

It is the intent of this specification to provide for the purchase of one (1) Asphalt Recycler to be used by the Fargo Street Department (FSD).

The City of Fargo Street Department has evaluated different styles of Asphalt Recycler and has determined that this published specification is best suited for the FSD needs in terms of quality and features. This specification shall not be interpreted as restrictive but rather as a measure of quality and performance against which all other Asphalt Recycler will be compared.

In comparing proposals, comparison will not be confined to price only. The successful proposer will be one whose product is judged as best serving the interests of the FSD when price, product, quality and delivery are considered. The FSD also reserves the right to reject any or all proposals or any part thereof, and to waive any minor technicalities. A contract will be awarded to the proposer submitting the lowest responsible proposal meeting the requirements.

## **2.0 EQUIVALENT PRODUCT**

Proposals will be accepted for consideration on any make or model that is equal or superior to the Asphalt Paver specified. Decisions of equivalency will be at the sole interpretation of the FSD. A blanket statement that equipment proposed will meet all requirements will not be sufficient to establish equivalence. An original manufacturer's brochure of the proposed product is to be submitted with proposal.

## **3.0 INTERPRETATIONS**

In order to be fair to all proposers, no oral interpretations will be given to any proposer, as to the meaning of the specification documents or any part thereof. Every request for such a consideration shall be made in writing. Based on such inquiry, the FSD may choose to issue an addendum in accordance with local state laws.

## **4.0 GENERAL**

The specification herein states the minimum requirements of the FSD. All proposals must be regular in every respect. Unauthorized conditions, limitations, or provisions shall be cause for rejection. The FSD will consider as irregular or non-responsive any and all proposals that are not prepared and submitted in accordance with the proposal document and specification, or any proposal lacking sufficient technical literature to enable the FSD to make a reasonable determination of compliance to the specification. It shall be the proposer's responsibility to carefully examine each item of the specification. Failure to offer a completed proposal or failure to respond to each section of the technical specification (COMPLY: YES/NO) will cause the proposal to be rejected without review

as non-responsive. All variances, exceptions and/or deviations shall be fully described in the appropriate section. Deceit in responding to the specification will be cause for rejection.

<b><u>5.1 General</u></b>	<b><u>Yes</u></b>	<b><u>No</u></b>
1. Mobile asphalt recycling machine mounted on a dual-axle (7,000 lbs. each), 4-wheel, diamond-plated steel-floored 18-foot trailer (8.375' wide x 18' long) equipped with electric brakes. Machine and trailer 8.5-foot high. Minimum dual-axle rating: 1.2 x gross vehicle trailer weight. Minimum landing gear capacity: 1.2 x tongue weight. Trailer by Gator Made (Somerset, KY).	_____	_____
2. Trailer and machine with all attachments weigh 13,200 lbs. with trailer Gross Vehicle Weight Rating (GVWR) at 14,000 lbs. in compliance with all USDOT requirements. Includes maintenance-free LED tail lights and adjustable-height properly sized ball-type or pintle hitch with lunette eye hookup – 18" to 42" in height installed at the center front of the recycler. If adjustable ball coupler, easy-connect to vehicles with different ball heights and sizes (2 to 2-1/2"). Mechanical adjustment requires no tools to adjust. Reflective markers and tape applied on sides and rear of trailer.	_____	_____
3. 2" x 6" 1/4" high-strength steel wall box-beam side rails (not channel rails) with all-enclosed wiring in steel tube or conduit.	_____	_____
4. 2" x 6" 1/4" high-strength steel wall box-beam tongue (not channel tongues) extends the full length to the front axle hangers, with 3/8" DOT-approved safety chains and latching hooks.	_____	_____
5. Dual jack stand levelers with safety pins for mounting on side of trailer (not rear) detachable for mounting on fenders with bracket on fenders to do so.	_____	_____
6. Tires are 235R/80/16 10 ply load range E. 8 lug on 6.5 wheel.	_____	_____
7. Trailer is shot blast, then powder-coated and baked for fade and scratch resistance. Machine component is automotive grade primer/paint, standard color: dark green and black, as per RENOVA drawings. Hydraulic and electrical lines are installed after painting.	_____	_____
8. Specially fabricated 3/8" steel mixing drum (approximately 56" diameter x 111' long). Hexangular cone to prevent mix from spilling out rear of drum. Drum has internal flights to create a flow direction of loaded materials to prevent contents from having any direct contact with burner flame to prevent product from burning	_____	_____

<p>or scorching. Drum has internal baffles to create shear, cascading mixing of material.</p>	<hr/>	<hr/>
<p>9. Reversible drum rotation via direct (chainless) drive variable speed hydraulic motor driven planetary reducer for 0 to 9 RPM operation with relief valve capable of controlling drum speed at 1/4/9 RPM in either direction. (Best Choice Fluid Power supplies). Nord locks (not lock washers) to secure drum motor to drum.</p>	<hr/>	<hr/>
<p>10. Enclosed drum assembly with removable access panels for inspection of all moving parts. Gears, sprockets, belts, pinch points are all guarded in compliance with 29 CFR Part 1910 OSHA Standard 1910.219.</p>	<hr/>	<hr/>
<p>11. Self-loading hopper, chute, mixing fins fabricated with 1/4" steel.</p>	<hr/>	<hr/>
<p>12. Dual-pivot hopper for knee-level loading (24" above ground) or (when in mid-position) frontend loader loading-drop and lifting of material to slide into drum.</p>	<hr/>	<hr/>
<p>13. Dual hydraulic lifts on hopper and burner assembly with operator controls.</p>	<hr/>	<hr/>
<p>14. Dual hydraulic lifts for tilting of drum assembly (aids in loading and discharging).</p>	<hr/>	<hr/>
<p>15. Industrial-grade single-stage 1.4-million BTU burner (R. W. Beckett, CF1000 RENOVA) with automatic fuel &amp; flame cutoff switch with no external auxiliary fuel pump at the engine, with properly-sized fuel filters and fuel-rated nylon fuel line to burner. Burner is electrically ignited, easily accessed and removable. Burner operates automatically based on operator selected control settings at operator location. Burner positioned to attain maximum heat transfer without burning or scorching of mix. Operating temperature of the mix between 270°-350° F, monitored by handheld digital laser thermometer/continuous infrared temperature readout gun pointed directly at mix (laser thermometer not included in this proposal). Any system fault automatically shuts down the system and illuminates a visual fault indicator. Burner has a separate backup means of operation in the event of a normal control failure with a system fault indication. Burner fuel pump pressure and fuel line suction pressure is indicated at the operator location. Adjustable time delay relay keeps burner fan in Post Purge Mode to keep firing chamber (with electrodes and photo eye) clean after flame is shut off.</p>	<hr/>	<hr/>
<p>16. Chimney exhaust stack (12" wide) with properly-sized exhaust fan to discharge heat and dust. Temperature sensor in exhaust stack provides relative/indicative temperature of mix with a digital</p>	<hr/>	<hr/>

<p>readout of that temperature at the control panel. Potentiometer dial control links to burner cutoff contacts permitting operator to set a point at which burner turns off automatically to avoid overheating of the asphalt material.</p>	<hr/>	<hr/>
<p>17. Single-keyed electric start 26-HP, 3-cylinder, liquid-cooled diesel engine by Kohler or Yanmar. Both engine and burner run on diesel #1 and #2. Includes hour meter &amp; pressure gauge. Engine coolant, oil &amp; battery heaters included. Heaters operate on 110 volts @ 60Hz alternating current. 3-wire, 25' long weatherproof cable adequate for all heaters used simultaneously. Deep cell marine battery (950-amp heavy duty battery) with disconnect to shut off power to unit to avoid power drain during off periods, provides extended run time and lifetime for battery. Engine equipped with emergency shutdown system with fuel cutoff solenoid. Engine air filter is dry-type air cleaner.</p>	<hr/>	<hr/>
<p>18. 91-gallon fuel tank with fuel pump, dual fuel filters, cartridge type, and shut-off valve. Fuel tank level measured by dial-type sensor Moeller Marine Products Sender-mechanical 17.75-inch sensor.</p>	<hr/>	<hr/>
<p>19. Engine driven gear pump generates hydraulic flow. 28-gallon hydraulic oil capacity reservoir with spin-on filter sized for adequate cooling with no dedicated cooler required (sized to maintain proper oil temperature). Hydraulic pump pressure of two circuits is indicated at operator location. Proper-ratio hydraulic pump (Best Choice Fluid Power or equal with latest iteration of pump) generates 5.5kw power and turns 2 tons of mix. Easily-accessible components and hoses (205-foot flexible hydraulic hose).</p>	<hr/>	<hr/>
<p>20. Two (2) external enclosed 8-inch diameter propeller fans, one to introduce 1590 CFM ventilation air onto burner intake and the second to keep motor and transformer post cycle at under 150°F tolerance level using ambient temperature.</p>	<hr/>	<hr/>
<p>21. 120V, 5500-watt generator (naturally aspirated) with electrical outlet to run accessory equipment for associated tasks (120-volt tools; electric saw, jack hammer, lights, etc.). Generator to supply 125/250 volt, 60 hertz power via a 30-amp power cord with a NEMA 10-30 plug, 12 volt ground electrical system. Stationary idler on generator power transfer including 1.5-inch-wide serpentine pulley belt.</p>	<hr/>	<hr/>
<p>22. Vulcan V320 Scale System/weight gauge with sensors using strain gauge sensing technology located on trailer frame to know exact amount of material being processed and proper ratio of rejuvenator.</p>	<hr/>	<hr/>

23. Asphalt recycler is protected by steel guards to withstand a front-end loader bucket impacting the rear components (lights) mounted on the box beam structural rear end.	_____		_____
24. Welding and post heat treatment procedures performed in accordance with American Welding Society Welding Code.	_____		_____
25. Component adjustment and lubrication points easily accessible.	_____		_____
26. All appropriate safety regimens including adequate cover plates over pinch points and signage warnings of pinch points, hot surfaces and electrical hazards.	_____		_____
27. One-year parts and labor warranty for defects in workmanship.	_____		_____
<b><u>Trade:</u></b>			
1. 2013 Bagela BA7000			
2. SER #W09BA7202DKB13103			
3. Hours 301	_____		_____



**Exceptions & Deviations**

Proposer shall fully describe every variance exception and/or deviation. List the item number here and fully explain any items in non-compliance with specification. Additional sheets may be used if required.

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**Warranty**

Asphalt Recycler:

Base Manufacture \_\_\_\_\_

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Other Warranties that apply:

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\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Price**

Make: \_\_\_\_\_

Model: \_\_\_\_\_

Year: \_\_\_\_\_

Price per 1 unit

\$ \_\_\_\_\_

**Trade**

\$ \_\_\_\_\_

**Total equipment price**

\$ \_\_\_\_\_

Total Machine hours

\_\_\_\_\_

**Delivery Date**

Number of days for delivery from date of order: \_\_\_\_\_

Company \_\_\_\_\_

By: \_\_\_\_\_  
(Name)

\_\_\_\_\_  
(Title) (Date)