



**SPECIFICATIONS AND BID FORM FOR
ONE (1) NEW ASPHALT HOT BOX**

Street Department

**CITY OF WATERTOWN, OWNER
P.O. BOX 910
WATERTOWN SOUTH DAKOTA 57201**

Final Specification

**BID SUBMITTAL TO:
CITY OF WATERTOWN
ATTN: CITY FINANCE OFFICER
P.O. BOX 910
WATERTOWN, SOUTH DAKOTA 57201-0910**

**Bid Opening: 9-21-17
10:00 a.m.
City Hall
23 2nd Street NE**

**Anticipated Bid Award: 10-2-17
7:00 p.m.
City Hall
23 2nd Street NE**



SPECIFICATIONS FOR ONE (1) NEW ASPHALT HOT BOX

GENERAL PROVISIONS

INTENT

The intent of these specifications is to describe one (1) new and unused, **ASPHALT HOT BOX** meeting the following minimum specifications considered necessary to perform the work assigned.

GENERAL

All component parts furnished shall be new, unused and the same as the manufacturer's current production model. Equipment, accessories, component parts and work not specifically mentioned in these specifications, but necessary to furnish a complete unit, shall also be provided as though they were specifically mentioned and delineated. Assemblies, subassemblies, and component parts shall be standard and interchangeable throughout the unit specified.

COMPOSITION OF THE BID

The bid price shall include all labor, component parts, equipment, and services required to fully complete the specified unit. The prices quoted on the bid schedule shall be firm quotes and shall be the total price as stipulated above.

BID FORMS

All bidders must use the forms provided by the City of Watertown. Bidders must submit completed bid proposal forms in a sealed envelope or packet clearly marked on the outside: "**BID FOR NEW ASPHALT HOT BOX**". Additional specifications and bid proposal forms may be obtained at the Finance Office, 23 Second Street NE, Watertown, South Dakota, 57201 or by phoning (605) 882-6203.

BID CLARIFICATION

Bidders may contact the Street Department at (605) 882-6207 for additional clarification of these specifications. Request for such clarification should reach the Street Department no later than five (5) working (M-F) days before the date on which bids are due. Prior to submission of bids, any ambiguities in the specifications shall be brought to the attention of the Street Department. If necessary, an addendum will be issued to give effect to such clarification.

SAFETY EQUIPMENT

The proposed New Hot Box shall include all Federal Government required safety equipment.



BID PROPOSAL

In their proposal, bidders will be required to state the make, model, and other pertinent data asked for in the proposal forms with reference to the equipment they propose to furnish. All bids must be submitted on the forms furnished by the City. These forms may be obtained from the Finance Office located at 23 2nd Street NE, 605-882-6203 or the Watertown Street Department located at 730 Arrow Avenue, 605-882-6207.

DELIVERY & TRANSPORTATION

The bid price for the complete unit will include freight designated FOB Watertown, SD. The bidder shall be required to pay all costs of transportation, delivery, and set up of the complete unit ready for use, to the City of Watertown Street Department. The successful bidder shall deliver and set up the complete unit ready for use, within 150 days from the date of Watertown City Council taking action to award the contract. Penalty of \$100.00 per day may be assessed for each calendar day delivery exceeds 150 days. Penalty may be assessed until the unit is accepted, and no incomplete unit will be accepted.

TAXATION

The City of Watertown is exempt from all Federal, State, or Local taxation. The City shall not be liable for additional payment to defer the cost of any tax or other imposition that might be made by Federal, State, or Local taxing authorities.

DISPOSITION OF BIDS

No bidder may withdraw a submitted bid for a period of thirty (30) days after the date of the opening of the bids. The City Council of the City of Watertown, South Dakota, reserves the right to reject any or all bids or to waive any irregularities in any bid.

INSTRUCTIONS

The unit bid will meet or exceed the following minimum specifications. Bidder shall complete every space with a check mark in the specifications "YES" column to indicate if the bid is exactly as specified. If not, the "NO" column must be checked and a detailed description of the basis for indicating "NO" must be provided. The City will evaluate and determine if the exception meets or exceeds the specification.

COMPLY

YES NO

Hopper

- ___ ___ A. Must be able to hold a minimum of 4 tons of material.
- ___ ___ B. Hopper must be oil jacketed design.
- ___ ___ C. Triple wall construction and fully insulated.
- ___ ___ D. Oil jacketing must run through walls and floor for heating.
- ___ ___ E. Hopper doors must be fully insulated.
- ___ ___ F. The hopper doors must have a lifting mechanism to minimize lifting weight to 20 lbs. or less.
- ___ ___ G. Hopper doors must have lock downs for travel.
- ___ ___ H. Hopper must have heavy duty wear resistant floor.
- ___ ___ I. Hopper must have a rear unloading door.

COMPLY

YES NO

Hoist

- ___ ___ A. Unit must have an electric over hydraulic dump hoist system and be capable of lifting 12,000 lbs. minimum.

COMPLY

YES NO

Trailer

- ___ ___ A. Trailer to have tandem 7,000 lb. minimum rated axles.
- ___ ___ B. Trailer shall have 12V DC 4 wheel electric brakes with breakaway kit.
- ___ ___ C. Trailer to have heavy duty fenders.
- ___ ___ D. Tires must be 16" radial, load range E (10-ply).
- ___ ___ E. Trailer must have an adjustable height pintle hitch assembly.
- ___ ___ F. Electrical to be RV style, 7-pin connector.
- ___ ___ G. Trailer jack shall be electric & 7,000 lb. minimum capacity.
- ___ ___ H. Must include 1 matching spare tire & wheel.

COMPLY

YES NO

Heating System

- ___ ___ A. Must be oil jacketed system.
- ___ ___ B. Burner must be able to run on #1 or #2 diesel fuel.
- ___ ___ C. Onboard diesel fuel tank shall have a capacity sufficient for all heating operations for up to 24 straight hours.
- ___ ___ D. All heating/burner controls shall have easy access and be in a weatherproof box.
- ___ ___ E. Heating/burner controls shall be automated to achieve needed temperatures throughout nighttime heating operations. Must have 24 hour, 7 days a week timer.
- ___ ___ F. Must have product temperature display.
- ___ ___ G. Must have 220v electric heat system to keep asphalt mix hot overnight.
- ___ ___ H. Diesel burner fuel solenoid must be powered by 12v system.
- ___ ___ I. Diesel burner spark ignition system must be powered by a 12v battery.
- ___ ___ J. Diesel burner must be capable of continuous operation while dumping & in tow.
- ___ ___ K. Must have automatic shutdown safety system.
- ___ ___ L. Must have cold weather package which includes diesel fuel preheater.

COMPLY
YES NO

Heated Tack Tank W/ Pumping System and Spray Wand

- ___ ___ A. Tank must be insulated & heated.
- ___ ___ B. Tank must be a minimum of 20 gallons.
- ___ ___ C. Tank must have a gate valve for drainage.
- ___ ___ D. Tank must have large fill cap to accommodate easy tack filling.
- ___ ___ E. Must have a pressurized spray system. Gravity feed not accepted.
- ___ ___ F. Must have spray wand and a minimum of 25’ hose. Must include hose reel.
- ___ ___ G. Pumping system may be powered by gas or diesel engine.

COMPLY
YES NO

Wash Down System

- ___ ___ A. Solvent tank must be a minimum of 5 gallons.
- ___ ___ B. Must have 12v electric pump.
- ___ ___ C. Must include 25’ hose with spray wand.
- ___ ___ D. Must have hose reel.

COMPLY
YES NO

Lights

- ___ ___ A. Dual amber strobe lights to be mounted towards back & top of hopper.
- ___ ___ B. LED arrow board to be mounted towards front of hopper and to be a minimum of 48” wide.
- ___ ___ C. Taillights & marker lights must be LED.

COMPLY
YES NO

Compactor Plate Carrier

- ___ ___ A. Carrier must be electric or hydraulic lift.
- ___ ___ B. Carrier must be capable of lifting up to 300 lbs.
- ___ ___ C. Carrier must be capable of clamping vibratory plate packer securely for transport.
- ___ ___ D. Carrier must be able to carry a plate packer up to 24” x 24”.

COMPLY
YES NO

Finish

- ___ ___ A. Asphalt hot box may have orange, yellow, red, or black finish.
- ___ ___ B. Asphalt hot box must have powder coat or industrial/commercial grade painted finish.

COMPLY
YES NO

Battery & Charging System

- ___ ___ A. Must have a minimum of 1 – 12v deep cycle marine grade battery to be housed in an onboard weatherproof box.
- ___ ___ B. Must have onboard dual bank, 12 amp minimum marine grade charging system with float mode.

COMPLY
YES NO

Miscellaneous

- ___ ___ A. Shovel solvent tank must be able to hold 4 shovels & also have a drain plug to drain cleaning solvent.
- ___ ___ B. Stainless steel spring clamp tool holder capable of carrying lutes, shovels, or brooms.
- ___ ___ C. Must have fire extinguisher included.



COMPLY

YES NO

____ ____

Warranty

A. Manufacturer's warranty must be a minimum of 1 year and shall cover everything other than standard wear items such as brake pads & tires.

B. A certified service center must be located within a reasonable distance of Watertown, SD.
State Distance & Location below:

- Distance: _____
- Location: _____

COMPLY

YES NO

____ ____

Delivery

A. The unit shall be delivered to the Watertown Street Department completely assembled, serviced, and ready to operate. The bidder shall have a qualified service representative in attendance with the hotbox during start-up operations to make any adjustments needed and to give up to 4 hours of operator instruction on the proper operation of the hotbox.

____ ____

B. The bidder shall supply one set of complete service manuals, parts manuals, & operators manual (CD & paper original).

Vendor Notes or Exceptions:



BID PROPOSAL FORM

Bid Item: ONE (1) NEW ASPHALT HOT BOX

Honorable Mayor and City Council
City of Watertown
23 2nd Street NE
PO Box 910
Watertown, SD 57201

The undersigned, having familiarized themselves with the specifications for the bid item, hereby proposes to supply one (1) new and unused Asphalt Hot Box which meets the written specifications as provided by the City of Watertown Street Department for the price set out below.

Bid Price for One (1) New Asphalt Hot Box:

Asphalt Hot Box Total \$ _____

Asphalt Hot Box Make/Model: _____

Name of Company/Bidder: _____

Note to bidder:

If addenda has been brought forth, bidder must acknowledge receipt of addenda below.

The bidder hereby acknowledges receipt of the following Addenda.

(List Addenda by number and date.)

Addendum Number _____

Date Issued _____

Addendum Number _____

Date Issued _____

Addendum Number _____

Date Issued _____

Respectfully submitted,

Print Name & Title of Authorized Company Representative

Phone Number

Signature of Authorized Company Representative

Date: