

City of Montrose
Purchasing Division
433 South First Street
PO Box 790
Montrose, CO 81402



INVITATION FOR BID

Asphalt Hot Box Purchase

Issue Date: January 30, 2017

Bid Number: 17-004

Agent/Contact: John Harris

Submissions Must Be Received by: Thursday February 9, 2017 at 2:00 pm Colorado Time

ADMINISTRATIVE INSTRUCTIONS

The City of Montrose is requesting formal bids through the Invitation for Bid process for the supply and delivery of one (1) asphalt hot box. The hot box must meet the minimum specifications provided with this bid package.

Bids will be publicly received and registered on Thursday February 9, 2017 at 2:00 PM at City Hall, 433 South First Street, Montrose, Colorado 81401. Late bids will not be accepted and it is the responsibility of the bidders to ensure that bids (including signed addenda) arrive in the city's purchasing office by the date and time listed above.

Complete bid packets can be downloaded from the City web page at www.cityofmontrose.org under Department Services, Purchasing, and Open Bids. Addenda will be posted to the website and it is the bidder's responsibility to download addenda.

The City reserves the right to accept or reject any or all bids, to waive irregularities and/or informalities and to disregard all non-conforming, non-responsive, unbalanced or conditional bids. The City of Montrose complies with all Equal Opportunity requirements. All qualified bidders will receive consideration without regard to race, creed, color, national origin, sex, marital status, religion, ancestry, mental or physical handicap or age.

GENERAL TERMS AND CONDITIONS

These General Terms and Conditions apply to all Offers made to the City of Montrose (hereafter "City") by all prospective vendors (herein after referred to as "Bidder") regarding City Solicitations including, but not limited to, Invitations to Bid, Requests For Proposals, Requests for Quotes, and Requests For Qualifications (hereafter "Solicitation" or Bid Solicitation).

A. CONTENTS OF BID

1. Bidders shall thoroughly read the project requirements and specifications, and shall examine any drawings, which may be incorporated into the Bid documents. As Bid documents frequently change for each Solicitation, veteran Bidders shall not assume that this Solicitation contains the same terms and conditions that were supplied in prior Solicitations. The City is not obligated to identify either minimal or substantial modifications to Bid documents.
2. Bidders shall make all investigations necessary to thoroughly inform themselves regarding the plant and facilities affected by the delivery of services, materials and equipment as required by the Bid conditions. No plea of ignorance by the Bidder of conditions that exist, or may hereafter exist as a result of failure to fulfill the requirements of the contract documents, will be accepted as the basis for varying the requirements of the City or the compensation to the Bidder.
3. Bidders are advised that all City contracts are subject to all legal requirements contained in City Ordinances and State and Federal Statutes governing purchasing activities.
4. Bidders are required to state the exact intentions of their offer to the City via this Solicitation and must indicate any variances to the terms, conditions, and specifications of this Solicitation, no matter how slight. If variations are not stated in the Bidder's Offer, it shall be construed that the Bidder's Offer fully complies with all conditions identified in this Solicitation.

B. CLARIFICATION AND MODIFICATION OF BID SOLICITATION

1. Apparent silence or omissions within this Bid Solicitation regarding a detailed description of the materials and services to be provided shall be interpreted to mean that only the best commercial practices are to prevail and that only materials and workmanship of first quality are to be used.
2. If any Bidder contemplating submitting a Proposal under this Solicitation is in doubt as to the true meaning of the specifications, the Bidder must submit a written (mail or e-mail) request for clarification to the City's Agent/Contact. The Bidder submitting the request will be responsible for ensuring that the City receives the request at least seven (7) calendar days prior to the scheduled bid opening.
3. Any official interpretation of the Bid Solicitation must be issued in writing by the agent/contact of the City who is authorized to act on behalf of the City, or by the City's Legal Department. The City shall not be responsible for other interpretations offered by employees of the City who are not authorized to act on behalf of the City for this project.

4. If necessary, the City may issue a written addendum to clarify or inform of substantial changes which impact the technical submission of Bids. Addenda will be posted to the website and it is the Bidder's responsibility to download addenda. The Bidder shall certify its receipt of the addendum by signing the addendum and returning it with its Bid. In the event of a conflict with the original Bid Solicitation documents, addenda shall supersede all other documents to the extent specified. Subsequent addenda shall govern over prior addenda only to the extent specified.

C. PRICING, COLLUSION, AND TAXES

1. Current Prices. Bid Proposals must be fixed and firm unless stated otherwise in the Bid Solicitation.
2. Discounts. Discounts shall not be considered in determining the lowest net cost for Bid evaluation purposes. Payment terms shall be as set forth in any contract executed between the City and the Bidder. Payment by the City is deemed to be made on the date of the mailing of the check, or as otherwise set forth in any contract executed between the City and the Bidder.
3. Collusion. The Bidder, by affixing its signature to this Proposal, certifies that its Proposal is made without previous understanding, agreement, or connection either with any persons, or entities offering a Bid for the same items, or with the City. The Bidder also certifies that its Bid is in all respects fair, without outside control, collusion, fraud, or otherwise illegal action. To insure integrity of the City's public procurement process, all Bidders are hereby placed on notice that any and all Bidders who falsify the certifications required in conjunction with this section shall be prosecuted to the fullest extent of the law.
4. It shall be understood and agreed that Bid Offers submitted by persons and entities are done so independently of any other offers, and that Bidders will not knowingly participate in solicitations where there exists a conflict of interest with their entity and a member of City staff or their immediate family.
5. Taxes. Bidders will neither include Federal, State nor applicable Local excise or sales taxes in bid prices, as the City is exempt from payment of such taxes. The Colorado Department of Revenue, Certification of Exemption for Colorado State Sales/Use Tax account number for the City of Montrose is 98-01805-0000. An exemption certificate will be provided, where applicable, upon request.

D. PREPARATION AND SUBMISSION OF BID

1. The Proposal must be typed or legibly printed in ink. The use of erasable ink is not permitted. All corrections made by the Bidder must be initialed in ink by the Bidder or its lawful agent.
2. Bid Proposals must contain a manual signature of an authorized agent of the Bidder in the space provided on the Bid Proposal Form. If the Bidder or its lawful agent fails to sign the Bid Proposal Form, its Bid shall be considered non-responsive and ineligible for award.

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3. Unit prices shall be provided by the Bidder on the Bid Proposal Form when required in conjunction with the prescribed method of award. The Bidder shall enter "No Bid" for each item where a unit price will not be offered. Where there is a discrepancy between the unit price and the extension of prices, the unit price shall prevail.
4. The delivery and/or completion date(s) provided by the Bidder, if required, must be stated in calendar days, following receipt of order/contract or official notice to proceed.
5. All information and supplemental documentation required in conjunction with this Bid shall be furnished by the Bidder with its Bid Proposal. If the Bidder fails to supply any required information or documents, the city, in its sole discretion, may consider the Proposal non-responsive.
6. The accuracy of the Bid is the sole responsibility of the Bidder. No changes in the Proposal shall be allowed after the submission deadline, except when the Bidder can show clear and convincing evidence that an unintentional factual mistake was made, including the nature of the mistake and the price actually intended.
7. The Bid Proposal Form shall be enclosed in a sealed envelope and addressed to the City. The envelope shall clearly identify the Bid Number, Title and Due Date when submitted to the City. The Bidder shall also include its name and address on the outside of the envelope.
8. The City's Bid Proposal Form, which is attached to this Bid Solicitation, must be used when the Bidder is submitting its Bid Proposal. The Bidder shall not alter this form unless instructed to do so in writing by the City. Failure to use the City's Bid Proposal Form may result in the Bid being considered non-responsive.
9. Offers in response to formal Bid Solicitations will not be accepted by facsimile transmission. Only signed written offers will be considered responsive, and eligible for possible award. Bidders shall provide Proposal Forms, Statement of Work/Technical Offer Section, Special Conditions, Specifications and Pricing Form, and any other mandatory submittals with the bid. If RFP contemplates sample contract, submit sample.
10. Bidders who qualify their Proposals by including alternate contractual provisions should be aware that the City does not negotiate the terms of its contracts, and will ordinarily declare such Bid Proposals non-responsive. Once bids have been opened, the City shall not consider any subsequent submissions of alternate terms and conditions.
11. Bid Bonds (5% of total bid price) and performance and payment bonds (100% of total bid price) are required on construction projects over \$50,000.
12. Insurance certificates are required after a Notice of Award has been issued. Costs for additional coverage must be included in the Bidder's proposal cost.
13. Bid Proposals received after the submission due date and time prescribed for the solicitation shall not be considered.

E. VENDOR APPLICATION AND RETENTION ON BIDDERS' LIST

The City does not maintain a bidder's list. Register to receive an automated email notification of new bids by visiting www.cityofmontrose.org - Department Services - Purchasing - Bidder's List.

F. MODIFICATION OR WITHDRAWAL OF LEGITIMATE OFFERS

1. Bidder offers may be modified in the form of an official written notice, and must be received prior to the due time and date set forth the Bid Solicitation. Each modification submitted must have the Bidder's name and return address and the applicable Solicitation Number and title clearly marked on the face of the envelope. If more than one modification is submitted, the modification bearing the latest date of receipt by the City will be considered the valid modification.
2. Bids may be withdrawn prior to the due time and date set for the Solicitation, provided it is in the form of an official, authorized written request.
3. Proposals may not be modified or withdrawn after the due date and time set for the Bid opening for a period of ninety (90) calendar days. If a Bid Proposal is modified or withdrawn by the Bidder during this ninety (90) day period, the City may, at its option, place the Bidder on suspension and may not accept any further Bid Proposals from the Bidder for a period set by the City following the Bidder's modification or withdrawal of its Proposal. The City may reject an offer, in whole or in part, as set forth in the City of Montrose Municipal Code, and the City's Procurement Manual.

G. EVALUATION OF OFFERS

1. Offers shall be evaluated based upon their responses to the questions and requests for information in this Bid Solicitation, and based upon whether and to what degree they comply with the instructions set forth herein. Thoroughness, accuracy, veracity, and professionalism in the responses shall be taken into account.
2. The City may, in its sole and absolute discretion:
 - a. Reject any and all, or parts of any or all, Bid Proposals submitted by prospective Bidders;
 - b. Re-advertise this Solicitation;
 - c. Postpone or cancel the Bid process for this Solicitation;
 - d. Waive any irregularities or technicalities in proposals received in conjunction with this Solicitation;
 - e. Determine the criteria and process whereby Proposals are evaluated and awarded.
3. A Proposal may not be accepted from, nor any contract be awarded to, any person or entity which is in arrears to the City upon any debt or Contract or which is in default as surety or otherwise upon any obligation to the City.

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4. No Contract shall be awarded to any person or entity which has failed to perform faithfully any previous contract with the City, the State or Federal government for a minimum period of one (1) year after said previous Contract was terminated for cause.
5. A Proposal may not be accepted from, nor any Contract awarded to, any person or entity which has pending litigation against the City at the date and time of the Bid Opening.

H. AWARD OF CONTRACT

1. The City's Agent/Contact is authorized to handle initial contacts regarding any protest of the solicitation or award of a City contract, or any claim arising out of the performance of a City contract, with the City Manager's approval. Any actual or prospective Bidder or Contractor who has a grievance in connection with the solicitation or award of a contract shall first seek resolution of the matter with the City's Agent/Contact.
2. If the City Manager or City designee does not, within thirty (30) days after receiving a protest, or within such longer period as may be agreed upon by the parties, issue a written decision on the protest or make a determination that award of the contract is necessary, the protest shall be considered denied.
3. By law, the City reserves the right to accept or reject any or all proposed bids, or any combination of them, and to waive any informality or irregularity in the bid or in the bidding.
4. Successful Bidders shall comply with all local, state, and federal directives, ordinances, rules, orders, and laws as applicable to, and affected by, the Bid Proposal.
5. No Bidder shall be excluded from consideration for award in conjunction with this solicitation on the basis of race, color, creed, national origination, handicap or sex, or be subjected to discrimination under any contractual award administered by the City.

L. CONTRACTUAL OBLIGATIONS

1. In order to ensure the efficient utilization of tax dollars, successful Bidders shall comply with all contractual obligations contained in the Contract Documents, as set forth in the contract signed by the City and Bidder. A sample contract that Bidder will be expected to sign is supplied with these Bid Documents.

SPECIAL CONDITIONS

Company Name: _____

A. PRE-BID CONFERENCE

A pre-bid conference is not offered for this Invitation For Bid.

B. CONTACT PERSON

During the course of this request process, from issuance until a recommendation for award, Bidders shall not initiate contact related to this request with anyone other than the officially designated individual.

For this bid the contact is John Harris at (970) 901-3560 or email: jharris@ci.montrose.co.us

Failure to abide by this requirement may result in disqualification from further participation in this process.

C. QUESTION DEADLINE

All questions regarding this Request for Proposal shall be directed by email to John Harris. All inquiries shall clearly identify the name of the firm and the authorized representative, the RFP number and title.

The deadline for receipt of questions from Bidders in regards to this RFP is Friday February 3, 2017.

Responses will be prepared by the City in an addendum and published on the City of Montrose web site at: www.cityofmontrose.org under Department Services, Purchasing, Open bids, under this bid name. The responses in writing are the only official answers.

D. SUBMITTAL INSTRUCTIONS

The City desires to receive a clear, concise, economical presentation of the vendor's proposal. Bidders should submit the following with their bid:

1. One original of the bid packet.
2. One original of the completed bid forms.
3. One original of signed bid addendum(s).
4. Submit all of the above in a sealed envelope with the bid number and project name in the lower left hand corner of envelope, with the bidder's name clearly written on the envelope.

Failure to submit a proposal in the manner indicated may be cause for it to be considered 'non-responsive' and ineligible for consideration and subsequent award.

PROPOSAL FORM - PAGE 1

SUBMITTED BY:

Company Name: _____

Address: _____ City: _____

State: _____ Zip: _____

Phone: _____ Fax: _____ Email: _____

CERTIFICATION: (if a Submission is Offered):

The undersigned hereby affirms that:

- He/she is a duly authorized agent of the Bidder,
- He/she has read the General Terms and Conditions, the Special Conditions and any technical specifications that were made available to the Bidder in conjunction with this Bid and fully understands and accepts these terms unless specific variations have been expressly listed on the Bid Proposal Form;
- The Submission is being offered independently of any other Bidder and in full compliance with the collusive prohibitions specified in the General Terms and Conditions of this solicitation; and
- The Bidder will accept any awards made to them as a result of this Solicitation for a minimum of ninety (90) calendar days following the date and time of the bid opening.

By: _____

Manual Signature of Agent

Date

Typed/Printed Name of Agent

Title of Agent

Include Original with Submission

Affix Manual signature of authorized agent.

NO OFFER:

Indicate reason(s) why no offer is being submitted at this time.

PROPOSAL FORM - PAGE 2

Company Name: _____

PROMPT PAYMENT TERMS:

Discount: _____ % _____ Days

Net: _____ Days

VARIATIONS:

The Bidder shall identify all variations and exceptions taken to the General Terms and Conditions, the Special Conditions and any Technical Specifications in the space provided below; provided, however, that such variations are not expressly prohibited in the Bid documents. For each variation listed, reference the applicable section of the bid document. If no variations are listed here, it is understood that the Bidder's Proposal fully complies with all terms and conditions. It is further understood that such variations may be cause for determining that the Bid Proposal is non-responsive and ineligible for award:

Page #: _____ Item # of Section: _____

Variance

Page #: _____ Item # of Section: _____

Variance

Page #: _____ Item # of Section: _____

Variance

ASPHALT HOT BOX **MINIMUM SPECIFICATIONS**

The City of Montrose requests bids for the purchase and delivery of one (1) asphalt hot box to be used by the Public Works Department Street Division. The hot box shall be delivered to 1221 6450 Road, Montrose, CO 81401 during scheduled working hours (M-Th, 7:00-6:00). The hot box shall meet the following minimum specifications:

Minimum Specifications:

Item 1	KM International KM 8000TEDX Asphalt Hotbox (or equivalent)
Section 1	General
Section 2	Diesel Controls
Section 3	Diesel Burner
Section 4	Trailer Design
Section 5	Asphalt Storage Bin
Section 6	Filling Doors
Section 7	Shoveling Ports
Section 8	Shovel Brackets
Section 9	Paint
Section 10	Warranty
Option 1	Heated Tack Tank
Option 2	Spray Tack Unit
Option 3	Solvent Tank
Option 4	Utility Hand Torch
Option 5	Light Bar; Directional Arrow Board and Controller
Option 6	Strobe Light
Option 7	Loading Hoist/Winch & Davit 12V Operation
Option 8	Loading Hoist/Winch & Davit Manual Operation
Option 9	Tool Rack
Option 10	Spare Tire-Mounted
Option 11	Spare Tire-Loose

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The following minimum specifications must be met for any product offered. Any deviation from the specification must be clearly cited in detail, in writing, by the bidder and submitted with the bid. NO verbal interpretations will be accepted! In addition NO deviations below "minimum" specifications as written will be accepted.

General:

- This specification is to describe the asphalt hotbox reclaimer unit designed to manage up to four (4) tons (8,000 lbs) of plant asphalt road mix.
- The unit is designed as a trailer and the hotbox is permanently affixed to the trailer framework.
- The unit offers the user the ability to maintain hot mix asphalt or cold patch material at workable temperatures for up to seventy two (72) hours continuously.
- Unit also offers to the user the option to "reclaim" virgin hot mix asphalt from ambient storage temperature to usable hot mix form.
- The unit offers the ability to safely maintain temperatures that accommodate standard "cold patching" materials.
- The heating unit is an efficient use of fuel and controlled by an electronically controlled thermostat.
- Operator must be able to maintain load temperature between 50-350 degrees Fahrenheit.

Diesel Controls:

- The unit is to include a sealed weather resistant NEMA Type 4 control panel.
- The NEMA Type 4 control panel dimensions measure 12" x 10" x 8".
- The control panel incorporates an Allen-Bradley Programmable Logic Controller (PLC) and Allen Bradley 2" Human Machine Interface (HMI).
- The control panel monitors and controls heating temperatures from 50-350 degrees F.
- The control panel allows for monitoring, tracking and logging of data.
- The control panel incorporates an on-delay burner start up on a 0-168 hour adjustment.
- The control panel will display real time voltage with accuracy of +/- 3%.
- The control panel incorporates an hour meter with a resettable run time and a Non-Resettable total runtime.
- The control panel is to display real time asphalt load and combustion chamber temperatures.
- The diesel burner will be controlled digitally with the PLC and HMI systems.
- Burner and controls shall be mounted on the front exterior wall of the storage bin.

Diesel Burner:

- Asphalt storage compartment will be heated by a diesel fueled 12VDC KEM 101 Beckett burner.

- Burner rating is not to exceed 105,000 BTU.
- The diesel burner must be mounted to the hot box above the trailer frame within the chassis. Burners mounted even with or below the frame are unacceptable.
- Burner must be easily removed for maintenance by removing four (4) nuts and a fuel line.
- The burner is protected and enclosed by a cover keeping the unit and components out of weather and clear of road debris.
- The diesel burner will be equipped with an automatic electronic ignition system.
- The diesel burner will supply primary combustion air and fuel into the insulated (combustion) fire box during operation.
- It will be equipped with 100% safety shut down if burner ignition fails.
- In the event of a monitored abnormally high temperature in the combustion chamber the burner will automatically shut down for safety purposes and require the system to be recycled for a manual restart.
- Combustion chamber must be an integral part of the burner system and easily removed above the trailer frame.
- Combustion chamber is constructed of a one piece 1.5" ceramic refractory board.
- The heating system will be supplied power by a twelve (12) volt gel deep cycle marine battery maintained through the towing vehicle charging system
- A permanently mounted 110 volt/12volt battery charger is supplied for overnight charging.
- The heating system fuel supply tank shall be a minimum of 25 gallon capacity.
- The fuel tank will include a quick site fuel level indicator on top of the tank.

Trailer Design:

- Trailer frame will be constructed of six inch (6") @8.2# structural channel steel.
- All corners and fatigue areas will be gusseted.
- The trailer frame will include five (5) 6" and four (4) 4" channel steel cross-members.
- The trailer will have tandem, 7000# rated axles. 24", five (5) leaf slipper springs will be used for suspension.
- Wheels will be 16", white spoke rims and ST235/80R16 tires with a minimum load rating of 3520# each.
- Twelve (12) volt DC electric brakes will be provided on all wheels.
- Front leveling jack will be 7000 pound minimum capacity with 15" adjustable pad.
- Towing eye will be solid forged steel, 20,000 pound rated, with minimum three inch (3") interior diameter and height adjustment from 18" to 30".
- Overall standard dimensions are 216" x 96" x 84" (LxWxH).
- Safety chains will be permanent attached 3/8" Class III with grab hooks.
- Trailers are compliant with USHTSA, FMCSA, and FMVSS.
- Trailers are certified by North American Trailer Association (NATM).

- The front frame of the trailer will enclose the triangular utility area measuring a minimum of 12 sq. ft.
- 3/16" (#3) braced expanded steel grating (meets deflection requirements of Federal Specification RR-G-661-B) will be the flooring of the utility area.
- 4 permanent attached hooks located inside of the trailer frame offer safety securing devices for tools and equipment during travel.
- The fenders will be a minimum of 11 gauge steel "diamond" floor plate for slip resistance and rigid enough to be used as a work platform.
- Protective tail light pockets will be an integral part of each fender.
- The structural diamond plate fender platforms shall enable the operator to reach and clean half of the hopper from each side of the unit, eliminating the need for the operator to reach completely across the machine , thereby minimizing the potential of injuries and compensation-related liabilities
- The structural fender platforms shall be complete with built-in steps. The structural fender platforms shall also serve as the mounting location for the flush, grommet mounted stop, turn and tail lights. In the interest of degradation caused by heat, no DOT required lighting is to be mounted in the rear wall of the asphalt storage box.
- In the interest of structural integrity and so as to completely eliminate structural fatigue caused by condensation and rust, the trailer frame long members shall be constructed from 6" channel iron. For this reason box tube construction, which is prone to internal corrosion, shall be not be accepted.
- The channel iron members of the trailer shall be completely and continuously welded on both sides so as to leave no joints or seams exposed.
- Combination LED stop/tail lights and marker lights will be properly located and wired with not less than sixteen (16) gauge UL approved wiring.
- Two (2) 6" oval LED stop tail, turn lights will be mounted at the far outside rear facing on the fenders.
- Four (4) 4" round LED stop tail, turn lights will be mounted at the rear cross member of the trailer frame.
- Two (2) 1" LED red vehicle presence lights will be mounted at the rear widest point on the fenders.
- Two (2) 1" LED amber vehicle lights will be mounted at the forward and widest point on the fenders.
- Two (2) 1" LED amber vehicle presence lights will be mounted at the furthest forward and widest outside point of the vehicle.

Asphalt Storage Bin:

- The asphalt storage bin will hold a capacity of four (4) tons of material.
- The storage bin measures 64" x 72" x 56" from base of bin to peak.
- The design offers gravity feed of the material towards the shovel ports.
- The asphalt bin is constructed of four 12 gauge welded steel walls.

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- The floor will be constructed of one solid piece of 12 gauge steel.
- A third wall of reflective aluminum is attached and located between the storage bin and the outer shell.
- 2,300 degree Fahrenheit refractory ceramic insulation located between the reflective wall and bottom floor insulates the bottom of the unit.
- High temperature fiber glass insulation not less than two inches (2") in thickness insulates the exterior walls of the unit.
- The outer shell will be fabricated of reinforced 16 gauge steel.
- All seams will be a continuous weld.
- Interior gussets and supports welded at strategic points provide additional fabricating rigidity.
- When the unit is in the full dump position the full load must be able to be dumped. Units that cannot discharge the full load and require manual unloading in the dump configuration are not acceptable.
- The shovel deck platform is solid reinforced 11 gauge steel.
- Asphalt chambers must not have any vents or heat tubes running from front to back. As these tubes contribute to asphalt damaging or bridging in the chamber. Vent openings in the asphalt chamber will quickly fill up with asphalt and limit the transfer of heat likewise these units are unacceptable.
- Asphalt storage bin shall be constructed in a triangular polyhedron dual chamber manner to facilitate heat energy to the center of the load.

Filling Doors:

- Two manual peaked top doors form the lid. Each door will be constructed of sixteen (16) gauge steel insulated with not less than three (3") inches of high temperature insulation to offer optimum efficiency.
- The two doors measure 32" x 72" and are 3.25" thick.
- Two cantilevered handles allow easy, one man lid opening and closing.
- The handles will be fabricated of square tubing and allow the user to open and close the unit from a ground standing position.
- The handles allow for the user to operate close to unit and out of danger of road traffic.
- A replaceable gas spring will be affixed to each door to reduce opening force as well as hold the door in the open position for filling.
- When open the doors open a minimum of 98" from peak to peak.
- The maximum opening force required will be no more than 15 lbs.
- Additional grab handles are located on the opposite sides of the lid.
- When in the open position, the lids creates a funnel designed large enough to easily maneuver the unit under standard asphalt stations (batch or silo type plants) for filling and open to protect the unit.
- Asphalt loading lids must be a continuous type hinge. Pillow block bearings hinges are not acceptable due to their failure rate.

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- The handle linkage shall be bolted to the box side and not require re-positioning the handle to operate or the use of body weight to counteract the weight of the door when opening or closing.
- When opening the doors the operator shall be positioned immediately and safely alongside the unit and in-line with the structural fenders, standing either in front of or behind them depending on which door is being actuated. Throughout the opening and closing of the doors the operator shall not be required to step away from the unit to operate the door handles.
- When in the open position, the door design shall serve to protect the burner, controls, and other related components and exhaust stack located in the front storage area from falling material during the loading process.
- The design of the loading doors must open from front to back protecting the trailer and enabling easy loading with frontend loaders from the side of units. No exception to this critical safety consideration shall be permitted.

Shoveling Ports:

- Two (2) shoveling ports are located at the rear of the unit to provide for unloading material. Enabling multiple operators to perform simultaneously.
- The shovel ports must be large enough to accommodate standard use asphalt shovels.
- The doors will be fabricated of welded sixteen (16) gauge steel with a 1" minimum high temperature insulation enclosed inside the doors.
- The doors travel in a sliding track which is equipped with a safety latch feature to keep shovel doors open during use.
- Each shovel port is to be a minimum of 16" high by 20" wide.

Shovel Brackets:

- The shovel brackets are located on the passenger side of box; they are a holster type design to aid in the storage of shovels.
- The brackets will be permanently attached and capable of securing not less than two (2) standard asphalt type shovels during travel.

Paint:

- All pieces exposed shall be properly coated.
- All raw materials used in the manufacturing process will be new and unused and properly coated with an industrial equipment primer and industrial equipment paint coating.

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Warranty:

- The manufacturer will, for a period of twelve (12) months from the invoice date, repair or replace any serviceable or consumable parts determined to be defective.
- All components, with the exception of the previously listed twelve (12) month warranted parts, will be covered under this warranty for a period of twenty-four (24) months.
- The trailer frame components, hotbox body and workmanship shall be warranted for a period of five (5) years from the invoice date.

Option #1 – Heated Tack Tank:

- Thirty (30) gallon capacity tank will be supplied to transport and heat asphalt tack coatings.
- Interior, gravity feed designed tank will be of continuous welded fourteen (14) gauge steel.
- The bottom surface of the interior tank will be insulated with high temperature refractory ceramic insulation and stainless steel shield promoting convection/conduction, preventing overheating material.
- The outer shell of the tank shall be fabricated of sixteen gauge steel, all welded seems.
- High temperature insulation along with a third wall of reflective aluminum shall be attached to the outer shell to aid in heating efficiency.
- A one inch (1") on/off ball type valve with spout will be supplied to draw the material.
- The lid will be a weather resistant enclosure attached by hinge with lockable latch.
- The heated storage unit will be bolted on with not less than 3/8" hardware and removable if required.
- A 10,000 BTU propane gas vapor burner will provide heating for material.
- Convection heating will transfer energy to the tank and material.
- The burner will be thermostatically controlled from fifty five to one hundred seventy five (55-175) degrees Fahrenheit.
- Power to operate the gas control is supplied by a 750 MV power pile generator with 100% safety shutdown.
- A 9V electronic igniter provides manual pilot ignition.

Option #2 – Spray Tack Unit:

- A positive displacement, iron gear pump with built in pressure relief valve will provide the ability to spray 3 GPM of tack coating.
- The pump will be fully self-contained and supplied with an application wand and 15 feet of hose.
- The $\frac{3}{4}$ " roper pump will be driven by a 5.5 HP Honda gasoline engine.
- The piping will be complete with a valve and hose for flushing the suction piping, pump, hose, and wand after each use.
- This option requires the purchase of the Heated Tack Tank Option.

Option #3 – Solvent Tank:

- A seven (7) gallon capacity utility tank will be supplied for use with cleaning fluids.
- The tank will be manufactured of sixteen (16) gauge welded steel.
- A three quarter inch ($\frac{3}{4}$ ") plug at the bottom of the tank for draining solvent.
- The tank will be bolted on with not less than $\frac{3}{8}$ " hardware and removable if required.
- The tank will allow for standard asphalt shovels to be "dipped" for cleaning.

Option #4 – Utility Hand Torch:

- A 50,000 BTU hand Torch will be supplied.
- If this option is selected with the diesel fired option, it will be supplied with a stand-alone thirty (30) pound fuel cylinder.
- The torch will have connections located at the rear of the unit making it nearest to the normal working area.
- A manual lighting procedure will be required for ignition.
- On/off flow control type valve shall be attached to the torch.

Option #5 – Light Bar, Directional Arrows, & Controller:

- Arrow warning bar light are switched to allow the user to warn and/or direct the arrow left, right, bar or left and right.
- Light bar is a Soundoff signal Trafficmaster LED amber directional board with controller.
- Controller enclosure is mounted on the front exterior wall of hotbox.
- Dimensions for the directional arrow bar measure 42" x 2.75" x 1.75".
- The light bar includes two (2) warning patterns and six (6) arrow patterns.

Option #6 – Strobe Light:

- Proper wiring and brackets will be provided for safety marking equipment.
- Safety Beacon Light (strobe) is a Soundoff signal 3000 series amber.

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Option #7 – Loading Hoist/Winch & Davit 12V Operation:

- 12 volt electrical operated loading winch and davit will be supplied and attached to the trailer.
- The winch will have a capacity of 900 lbs.
- It will be located at or near the utility area of the trailer in order to aid with loading and unloading miscellaneous items.
- The winch and davit can be rotated in a 360 degree motion.
- Winch is operated by a handheld remote control with a reach of up to 10' in length.

Option #8 – Loading Hoist/Winch & Davit Manual Operation:

- Manually operated loading winch and davit will be supplied and attached to the trailer.
- The winch will have a capacity of 900 lbs.
- It will be located at or near the utility area of the trailer in order to aid with loading and unloading miscellaneous items.
- The winch and davit can be rotated in a 360 degree motion.

Option #9 – Tool Rack:

- The Tool Rack will be capable of storing up to six (6) implements in an upright position in the utility area.

Option #10 – Spare Tire Mounted:

- Mounted spare tire will be 16", white spoke rim and ST235/80R16 with a minimum load rating of 3520#.

Option #11 – Spare Tire Loose:

- Loose spare tire will be 16", white spoke rim and ST235/80R16 with a minimum load rating of 3520#.

Please itemize standard warranty terms and details.

Please itemize extended warranty terms, details, and additional costs.

BID SCHEDULE

Base Unit Price \$_____

Option #1 Price \$_____

Option #2 Price \$_____

Option #3 Price \$_____

Option #5 Price \$_____

Option #6 Price \$_____

Option #7 Price \$_____

Option #8 Price \$_____

Option #9 Price \$_____

Option #10 Price \$_____

Option #11 Price \$_____

Total Price \$_____ (includes delivery and 11 options)