



**State of Oklahoma
DEPARTMENT OF TRANSPORTATION
PROCUREMENT DIVISION**

Solicitation

Solicitation #: 3450004953/21-5-0070

Solicitation Issue Date: 12/09/20

Brief Description of Requirement:

**CRACK SEALER UNIT
EQUIPMENT SPECIFICATIONS**

As of 03/18/2020 and until further notice due to concerns about the possible spread of the coronavirus on packages, bids should be submitted to ODOT via email. Electronic bids will still be considered and sealed bids and the attachments will not be opened until bid closing. Electronic bids should be emailed to the Buyer handling the Solicitation.

The Solicitation is let as a Request for Proposal pursuant to and in accordance with Oklahoma Statute, Title 74, and Section 85.12.B.3.

Response Due Date¹: 12/22/20

Time: 4:00 PM Central Time

Issued By and RETURN SEALED BID TO:

Agency Name: OKLAHOMA DEPARTMENT OF TRANSPORTATION

- U.S. Postal Delivery: 200 NE 21ST STREET
- Carrier Delivery: OKLAHOMA CITY, OKLAHOMA 73105

Solicitation Type (type "X" at one below):

- Invitation to Bid
- Request for Proposal
- Request for Quote

1. Shipping Location:

2. Contracting Officer:

Name: STELLA PAULEY
Phone: 405-836.3375
Email: SPAULEY@ODOT.ORG



SOLICITATION REQUEST

 Request for Quote Request for Proposal Request for Bid**Dispatch via Print**

Department of Transportation

Dept of Transportation
Procurement Branch
200 NE 21st Street
Oklahoma City OK 73105

Request Quote ID.	Date	Buyer	Page
3450004953	12/07/2020	Stella Pauley	1
Payment Terms	DateTime Quote Open	Closing	
0 Days	12/08/2020 04:22 PM	12/22/2020 04:00 PM	

Requisition Number Reference: From Req ID - 3450032687

Ship To: Dept of Transportation
Div 5 HQ
US-183 South
Clinton OK 73601

Bill To: Dept of Transportation
Div 5 HQ
PO Box 1449
Clinton OK 73601

Supplier: NAME _____
Address: _____
Address: _____
City: _____ ST: _____ ZIP: _____

Supplier Responses

Line	Cat CD / Item # - Descr	Qty.	UOM	Unit Cost	Ext. Cost
1	25101901 / CRACK SEALER UNIT	1	EA		

Product meets specifications Yes___No___ If no, please explain:

Freight Terms: FOB DEST

Ship Via: COMMON

Lead Time: _____

Supplier Remarks:

COMMENTS:

This is NOT AN ORDER

All returned quotes and related documents must be identified with our request for quote Number.

Authorized Signature



State of Oklahoma
DEPARTMENT OF TRANSPORTATION **Responding Bidder Information**
PROCUREMENT DIVISION

*"Certification for Competitive Bid and Contract" (see page 3) **MUST** be submitted along with the response to the Solicitation.*

1. RE: Solicitation # 3450004953/12-5-0070

2. Bidder General Information:

FEI / SSN : _____ VEN ID: _____
 Company Name: _____

3. Bidder Contact Information:

Address: _____
 City: _____ State: _____ Zip Code: _____
 Contact Name: _____
 Contact Title: _____
 Phone #: _____ FAX#: _____
 Email: _____ Website: _____

4. Oklahoma Sales Tax Permit² (type "X" at one below):

- YES – Permit #: _____
- NO – Exempt pursuant to Oklahoma Laws or Rules

5. Registration with the Oklahoma Secretary of State (type "X" at one below):

- YES - Filing Number: _____
- NO - Prior to the contract award, the successful bidder will be required to register with the Secretary of State or must attach a signed statement that provides specific details supporting the exemption the supplier is claiming (www.sos.ok.gov or 405-521-3911).

6. Workers' Compensation Insurance Coverage:

Bidder is required to provide with the bid a certificate of insurance showing proof of compliance with the Oklahoma Workers' Compensation Act (type "X" at one below):

- YES – include a certificate of insurance with the bid
- NO - attach a signed statement that provides specific details supporting the exemption you are claiming from the Workers' Compensation Act (Note: Pursuant to Attorney General Opinion #07-8, the exemption from 85 O.S. 2011, § 311 applies only to employers who are natural persons, such as sole proprietors, and does not apply to employers who are entities created by law, including but not limited to corporations, partnerships and limited liability companies.)³

Authorized Signature	Date
Printed Name	Title

² For frequently asked questions concerning Oklahoma Sales Tax Permit, see <http://www.tax.ok.gov/faq/fagbussales.html>
³ For frequently asked questions concerning workers' compensation insurance, see <http://www.ok.gov/oid/fags.html#fc221>



**State of Oklahoma
DEPARTMENT OF TRANSPORTATION
PROCUREMENT DIVISION**

**Certification for Competitive
Bid and/or Contract
(Non-Collusion Certification)**

NOTE: A certification shall be included with any competitive bid and/or contract exceeding \$5,000.00 submitted to the State for goods or services.

Solicitation or Purchase Order #: 3450004953/21-5-0070

Supplier Legal Name: _____

SECTION I [74 O.S. § 85.22]:

A. For purposes of competitive bid,

1. I am the duly authorized agent of the above named bidder submitting the competitive bid herewith, for the purpose of certifying the facts pertaining to the existence of collusion among bidders and between bidders and state officials or employees, as well as facts pertaining to the giving or offering of things of value to government personnel in return for special consideration in the letting of any contract pursuant to said bid;
2. I am fully aware of the facts and circumstances surrounding the making of the bid to which this statement is attached and have been personally and directly involved in the proceedings leading to the submission of such bid; and
3. Neither the bidder nor anyone subject to the bidder's direction or control has been a party:
 - a. to any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding,
 - b. to any collusion with any state official or employee as to quantity, quality or price in the prospective contract, or as to any other terms of such prospective contract, nor
 - c. in any discussions between bidders and any state official concerning exchange of money or other thing of value for special consideration in the letting of a contract, nor
 - d. to any collusion with any state agency or political subdivision employee as to create a sole source acquisition in contradiction to Section 85.45j.1. of this title.

B. I certify, if awarded the contract, whether competitively bid or not, neither the contractor nor anyone subject to the contractor's direction or control has paid, given or donated or agreed to pay, give or donate to any officer or employee of the State of Oklahoma any money or other thing of value, either directly or indirectly, in procuring this contract herein.

SECTION II [74 O.S. § 85.42]:

For the purpose of a contract for services, the supplier also certifies that no person who has been involved in any manner in the development of this contract while employed by the State of Oklahoma shall be employed by the supplier to fulfill any of the services provided for under said contract.

The undersigned, duly authorized agent for the above named supplier, by signing below acknowledges this certification statement is executed for the purposes of:

the competitive bid attached herewith and contract, if awarded to said supplier;

OR

the contract attached herewith, which was not competitively bid and awarded by the agency pursuant to applicable Oklahoma statutes.

Supplier Authorized Signature

Certified This Date

Printed Name

Title

Phone Number

Email

Fax Number

A. GENERAL PROVISIONS

A.1. Definitions

As used herein, the following terms shall have the following meaning unless the context clearly indicates otherwise:

- A.1.1. "Acquisition" means items, products, materials, supplies, services, and equipment a state agency acquires by purchase, lease purchase, lease with option to purchase, or rental pursuant to the Oklahoma Central Purchasing Act;
- A.1.2. "Bid" means an offer in the form of a bid, proposal, or quote a bidder submits in response to a solicitation;
- A.1.3. "Bidder" means an individual or business entity that submits a bid in response to a solicitation;
- A.1.4. "Solicitation" means a request or invitation by the State Purchasing Director or a state agency for a supplier to submit a priced offer to sell acquisitions to the state. A solicitation may be an invitation to bid, request for proposal, or a request for quotation; and
- A.1.5. "Supplier" or "vendor" means an individual or business entity that sells or desires to sell acquisitions to state agencies.

A.2. Bid Submission

- A.2.1. Submitted bids shall be in strict conformity with the instructions to bidders and shall be submitted with a completed Responding Bidder Information, OMES-FORM-CP-076, and any other forms required by the solicitation.
- A.2.2. Bids shall be submitted to the procuring agency in a single envelope, package, or container and shall be sealed, unless otherwise detailed in the solicitation. The name and address of the bidder shall be inserted in the upper left corner of the single envelope, package, or container. SOLICITATION NUMBER AND SOLICITATION RESPONSE DUE DATE AND TIME MUST APPEAR ON THE FACE OF THE SINGLE ENVELOPE, PACKAGE, OR CONTAINER.
- A.2.3. The required certification statement, "Certification for Competitive Bid and/or Contract (Non-Collusion Certification)", OMES-FORM-CP-004, must be made out in the name of the bidder and must be properly executed by an authorized person, with full knowledge and acceptance of all its provisions.
- A.2.4. All bids shall be legible and completed in ink or with electronic printer or other similar office equipment. Any corrections to bids shall be identified and initialed in ink by the bidder. Penciled bids and penciled corrections shall NOT be accepted and will be rejected as non-responsive.
- A.2.5. All bids submitted shall be subject to the Oklahoma Central Purchasing Act, Central Purchasing Rules, and other statutory regulations as applicable, these General Provisions, any Special Provisions, solicitation specifications, required certification statement, and all other terms and conditions listed or attached herein—all of which are made part of this solicitation.

A.3. Solicitation Amendments

- A.3.1. If an "Amendment of Solicitation", OMES-FORM-CP-011, is issued, the bidder shall acknowledge receipt of any/all amendment(s) to solicitations by signing and returning the solicitation amendment(s). Amendment acknowledgement(s) may be submitted with the bid or may be forwarded separately. If forwarded separately, amendment acknowledgement(s) must contain the solicitation number and response due date and time on the front of the envelope. The procuring agency must receive the amendment acknowledgement(s) by the response due date and time specified for receipt of bids for the bid to be deemed responsive. Failure to acknowledge solicitation amendments may be grounds for rejection.
- A.3.2. No oral statement of any person shall modify or otherwise affect the terms, conditions, or specifications stated in the solicitation. All amendments to the solicitation shall be made in writing by the procuring agency.
- A.3.3. It is the Bidder's responsibility to check frequently for any possible amendments that may be issued. The procuring agency is not responsible for a bidder's failure to download any amendment documents required to complete a solicitation.

A.4. Bid Change

If the bidder needs to change a bid prior to the solicitation response due date, a new bid shall be submitted to the procuring agency with the following statement "This bid supersedes the bid previously submitted" in a single envelope, package, or container and shall be sealed, unless otherwise detailed in the solicitation. The name and address of the bidder shall be inserted in the upper left corner of the single envelope, package, or container. SOLICITATION NUMBER AND SOLICITATION RESPONSE DUE DATE AND TIME MUST APPEAR ON THE FACE OF THE SINGLE ENVELOPE, PACKAGE, OR CONTAINER.

A.5. Certification Regarding Debarment, Suspension, and Other Responsibility Matters

By submitting a response to this solicitation:

- A.5.1. The prospective primary participant and any subcontractor certifies to the best of their knowledge and belief, that they and their principals or participants:
 - A.5.1.1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded by any Federal, State or local department or agency;
 - A.5.1.2. Have not within a three-year period preceding this proposal been convicted of or pled guilty or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) contract; or for violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - A.5.1.3. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph A.5.1.2. of this certification; and
 - A.5.1.4. Have not within a three-year period preceding this application/proposal had one or more public (Federal, State, or local) contracts terminated for cause or default.
- A.5.2. Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to its solicitation response.

A.6. Bid Opening

Sealed bids shall be opened by the PROCUREMENT DIVISION located at 200 NE 21ST
OKC, OK 73105 at the time and date specified in the solicitation as the Response Due Date and Time.

A.7. Open Bid / Open Record

Pursuant to the Oklahoma Public Open Records Act, a public bid opening does not make the bid(s) immediately accessible to the public. The procurement or contracting agency shall keep the bid(s) confidential, and provide prompt and reasonable access to the records only after a contract is awarded or the solicitation is cancelled. This practice protects the integrity of the competitive bid process and prevents excessive disruption to the procurement process. The interest of achieving the best value for the State of Oklahoma outweighs the interest of vendors immediately knowing the contents of competitor's bids. [51 O.S. § 24A.5(5)]

Additionally, financial or proprietary information submitted by a bidder may be designated by the Purchasing Director as confidential and the procurement entity may reject all requests to disclose information designated as confidential pursuant to 62 O.S. (2012) § 34.11.1(H)(2) and 74 O.S. (2011) § 85.10. Bidders claiming any portion of their bid as proprietary or confidential must specifically identify what documents or portions of documents they consider confidential and identify applicable law supporting their claim of confidentiality. The State Purchasing Director shall make the final decision as to whether the documentation or information is confidential pursuant to 74 O.S. § 85.10. Otherwise, documents and information a bidder submits as part of or in connection with a bid are public records and subject to disclosure after contract award or the solicitation is cancelled.

A.8. Late Bids

Bids received by the procuring agency after the response due date and time shall be deemed non-responsive and shall NOT be considered for any resultant award.

A.9. Legal Contract

- A.9.1. Submitted bids are rendered as a legal offer and any bid, when accepted by the procuring agency, shall constitute a contract.
- A.9.2. The Contract resulting from this solicitation may consist of the following documents in order of preference:
 - A.9.2.1. Purchase order, as amended by Change Order (if applicable);
 - A.9.2.2. Solicitation, as amended (if applicable); and
 - A.9.2.3. Successful bid (including required certifications), to the extent the bid does not conflict with the requirements of the solicitation or applicable law.
- A.9.3. Any contract(s) awarded pursuant to the solicitation shall be legibly written or typed.

A.10. Pricing

- A.10.1. Bids shall remain firm for a minimum of sixty (60) days from the solicitation closing date.
- A.10.2. Bidders guarantee unit prices to be correct.
- A.10.3. In accordance with 74 O.S. §85.40, ALL travel expenses to be incurred by the supplier in performance of the

Contract shall be included in the total bid price/contract amount.

A.11. Manufacturers' Name and Approved Equivalents

Unless otherwise specified in the solicitation, manufacturers' names, brand names, information and/or catalog numbers listed in a specification are for information and not intended to limit competition. Bidder may offer any brand for which they are an authorized representative, and which meets or exceeds the specification for any item(s). However, if bids are based on equivalent products, indicate on the bid form the manufacturer's name and number. Bidder shall submit sketches, descriptive literature, and/or complete specifications with their bid. Reference to literature submitted with a previous bid will not satisfy this provision. The bidder shall also explain in detail the reason(s) why the proposed equivalent will meet the specifications and not be considered an exception thereto. Bids that do not comply with these requirements are subject to rejection.

A.12. Clarification of Solicitation

- A.12.1. Clarification pertaining to the contents of this solicitation shall be directed in writing to the Contracting Officer specified in the solicitation.
- A.12.2. If a bidder fails to notify the State of an error, ambiguity, conflict, discrepancy, omission or other error in the SOLICITATION, known to the bidder, or that reasonably should have been known by the bidder, the bidder shall submit a bid at its own risk; and if awarded the contract, the bidder shall not be entitled to additional compensation, relief, or time, by reason of the error or its later correction. If a bidder takes exception to any requirement or specification contained in the SOLICITATION, these exceptions must be clearly and prominently stated in their response.
- A.12.3. Bidders who believe proposal requirements or specifications are unnecessarily restrictive or limit competition may submit a written request for administrative review to the State prior to the closing date.

A.13. Rejection of Bid

The State reserves the right to reject any bids that do not comply with the requirements and specifications of the solicitation. A bid may be rejected when the bidder imposes terms or conditions that would modify requirements of the solicitation or limit the bidder's liability to the State. Other possible reasons for rejection of bids are listed in OAC 260:1115-7-32.

A.14. Award of Contract

- A.14.1. The State Purchasing Director may award the Contract to more than one bidder by awarding the Contract(s) by item or groups of items, or may award the Contract on an ALL OR NONE basis, whichever is deemed by the State Purchasing Director to be in the best interest of the State of Oklahoma.
- A.14.2. Contract awards will be made to the lowest and best bidder(s) unless the solicitation specifies that best value criteria is being used.
- A.14.3. In order to receive an award or payments from the State of Oklahoma, suppliers must be registered. The vendor registration process can be completed electronically through the OMES website at the following link: <https://www.ok.gov/dcs/vendors/index.php> .

A.15. Contract Modification

- A.15.1. The Contract is issued under the authority of the State Purchasing Director who signs the Contract. The Contract may be modified only through a written Contract Modification, signed by the State Purchasing Director.
- A.15.2. Any change to the Contract, including but not limited to the addition of work or materials, the revision of payment terms, or the substitution of work or materials, directed by a person who is not specifically authorized by the procuring agency in writing, or made unilaterally by the supplier, is a breach of the Contract. Unless otherwise specified by applicable law or rules, such changes, including unauthorized written Contract Modifications, shall be void and without effect, and the supplier shall not be entitled to any claim under this Contract based on those changes. No oral statement of any person shall modify or otherwise affect the terms, conditions, or specifications stated in the resultant Contract.

A.16. Delivery, Inspection and Acceptance

- A.16.1. Unless otherwise specified in the solicitation or awarding documents, all deliveries shall be F.O.B. Destination. The bidder(s) awarded the Contract shall prepay all packaging, handling, shipping and delivery charges and firm prices quoted in the bid shall include all such charges. All products and/or services to be delivered pursuant to the Contract shall be subject to final inspection and acceptance by the State at destination. "Destination" shall mean delivered to the receiving dock or other point specified in the purchase order. The State assumes no responsibility for goods until accepted by the State at the receiving point in good condition. Title and risk of loss or damage to all items shall be the responsibility of the supplier until accepted by the receiving agency. The supplier(s) awarded the Contract shall be responsible for filing, processing, and collecting any and all damage claims accruing prior to acceptance.

- A.16.2. Supplier(s) awarded the Contract shall be required to deliver products and services as bid on or before the required date. Deviations, substitutions or changes in products and services shall not be made unless expressly authorized in writing by the procuring agency.

A.17. Invoicing and Payment

- A.17.1. Pursuant to 74 O.S. §85.44(B), invoices will be paid in arrears after products have been delivered or services provided.
- A.17.2. Interest on late payments made by the State of Oklahoma is governed by 62 O.S. §34.71 and 62 O.S. §34.72.

A.18. Tax Exemption

State agency acquisitions are exempt from sales taxes and federal excise taxes. Bidders shall not include these taxes in price quotes.

A.19. Audit and Records Clause

- A.19.1. As used in this clause, "records" includes books, documents, accounting procedures and practices, and other data, regardless of type and regardless of whether such items are in written form, in the form of computer data, or in any other form. In accepting any Contract with the State, the successful bidder(s) agree any pertinent State or Federal agency will have the right to examine and audit all records relevant to execution and performance of the resultant Contract.
- A.19.2. The successful bidder(s) awarded the Contract(s) is required to retain records relative to the Contract for the duration of the Contract and for a period of seven (7) years following completion and/or termination of the Contract. If an audit, litigation, or other action involving such records is started before the end of the seven (7) year period, the records are required to be maintained for two (2) years from the date that all issues arising out of the action are resolved, or until the end of the seven (7) year retention period, whichever is later.

A.20. Non-Appropriation Clause

The terms of any Contract resulting from the solicitation and any Purchase Order issued for multiple years under the Contract are contingent upon sufficient appropriations being made by the Legislature or other appropriate government entity. Notwithstanding any language to the contrary in the solicitation, purchase order, or any other Contract document, the procuring agency may terminate its obligations under the Contract if sufficient appropriations are not made by the Legislature or other appropriate governing entity to pay amounts due for multiple year agreements. The Requesting (procuring) Agency's decisions as to whether sufficient appropriations are available shall be accepted by the supplier and shall be final and binding.

A.21. Choice of Law

Any claims, disputes, or litigation relating to the solicitation, or the execution, interpretation, performance, or enforcement of the Contract shall be governed by the laws of the State of Oklahoma.

A.22. Choice of Venue

Venue for any action, claim, dispute or litigation relating in any way to the Contract shall be in Oklahoma County, Oklahoma.

A.23. Termination for Cause

- A.23.1. The supplier may terminate the Contract for default or other just cause with a 30-day written request and upon written approval from the procuring agency. The State may terminate the Contract for default or any other just cause upon a 30-day written notification to the supplier.
- A.23.2. The State may terminate the Contract immediately, without a 30-day written notice to the supplier, when violations are found to be an impediment to the function of an agency and detrimental to its cause, when conditions preclude the 30-day notice, or when the State Purchasing Director determines that an administrative error occurred prior to Contract performance.
- A.23.3. If the Contract is terminated, the State shall be liable only for payment for products and/or services delivered and accepted.

A.24. Termination for Convenience

- A.24.1. The State may terminate the Contract, in whole or in part, for convenience if the State Purchasing Director determines that termination is in the State's best interest. The State Purchasing Director shall terminate the Contract by delivering to the supplier a Notice of Termination for Convenience specifying the terms and effective date of Contract termination. The Contract termination date shall be a minimum of 60 days from the date the Notice of Termination for Convenience is issued by the State Purchasing Director.

A.24.2. If the Contract is terminated, the State shall be liable only for products and/or services delivered and accepted, and for costs and expenses (exclusive of profit) reasonably incurred prior to the date upon which the Notice of Termination for Convenience was received by the supplier.

A.25. Insurance

The successful bidder(s) awarded the Contract shall obtain and retain insurance, including workers' compensation, automobile insurance, medical malpractice, and general liability, as applicable, or as required by State or Federal law, prior to commencement of any work in connection with the Contract. The supplier awarded the Contract shall timely renew the policies to be carried pursuant to this section throughout the term of the Contract and shall provide the procuring agency with evidence of such insurance and renewals.

A.26. Employment Relationship

The Contract does not create an employment relationship. Individuals performing services required by this Contract are not employees of the State of Oklahoma or the procuring agency. The supplier's employees shall not be considered employees of the State of Oklahoma nor of the procuring agency for any purpose, and accordingly shall not be eligible for rights or benefits accruing to state employees.

A.27. Compliance with the Oklahoma Taxpayer and Citizen Protection Act of 2007

By submitting a bid for services, the bidder certifies that they, and any proposed subcontractors, are in compliance with 25 O.S. §1313 and participate in the Status Verification System. The Status Verification System is defined in 25 O.S. §1312 and includes but is not limited to the free Employment Verification Program (E-Verify) through the Department of Homeland Security and available at www.dhs.gov/E-Verify.

A.28. Compliance with Applicable Laws

The products and services supplied under the Contract shall comply with all applicable Federal, State, and local laws, and the supplier shall maintain all applicable licenses and permit requirements.

A.29. Special Provisions

Special Provisions set forth in SECTION B apply with the same force and effect as these General Provisions. However, conflicts or inconsistencies shall be resolved in favor of the Special Provisions.

MELTER APPLICATOR SYSTEM

GENERAL: It is the intent of these specifications to completely describe a double-boiler type melter applicator that is specifically designed for and shall be capable of heating and applying all grades of asphalt rubber sealant, fiber modified asphalt sealant and specification joint sealant without any further equipment modification. It may be used for the application of resinous, colored sealant and fillers.

The unit should be new and of standard production and should include all latest improvements in design and construction whether in the manufacturer's current literature or not.

FILL IN ALL SPACES SHOWING SPECIFIC INFORMATION, FAILURE TO COMPLY COULD RESULT IN BID REJECTION.

REFERENCE MODEL: Magma M2 230 gallon

VENDOR'S PROPOSED: MAKE: _____ MODEL: _____

MINIMUM REQUIREMENTS

VENDOR'S PROPOSAL

GENERAL:

The crack sealing unit (Melter/applicator) must be able to safely melt, agitate, circulate and apply all grades of asphalt rubber sealants, specification joint sealants, jet fuel resistant sealants and fiber modified asphalt sealants. The machine must be capable of starting at ambient temperature and bringing material to pouring temperature in less than one hour.

The unit must have continuous sealant agitation with internal recirculation of sealant (not hose recirculation) to eliminate temperature stratification of sealant being applied.

Complete operation manual, parts lists, and training video must be furnished with the unit. A factory-trained representative will be available for initial startup and training.

SAFETY FEATURES:

The unit shall have safety shut off on the loading door that automatically stops the agitator when the lid is opened. When equipped with a conveyor loading option the safety shut off will lock out the conveyor operation during loading.

**STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION**

EQUIPMENT SPECIFICATION **07-05**

07/2020

The equipment being bid must be new, current year production and meet the needs of this specification without modification. The model must be currently advertised, have been in production for a min. of two years and have a working volume of not less than called for in this specification. Hybrid, one-off or prototype equipment is unacceptable.

For safety, unit must include a vented HTO expansion tank. Sealed expansion tanks will be considered a fatal deviation.

The material tank must be of double boiler design and have a minimum working volume of 230 gallons. Working volume can be described as the maximum usable amount of sealant at one time that can be contained in the material tank and pumped out the hose. Full sweep vertical direct driven reversible agitator design. Agitator shaft must include auger fighting for best mixing. Diesel burner maximum of 290,000 BTU for best fuel efficiency and fastest heat-up.

The material tank will have a minimum capacity of 230 US gallons.

TOWING FRAME AND JACK:

Minimum 12-gauge flat horizontal surface steel fenders to facilitate handling and loading of material blocks.

The tongue shall be equipped with an appropriate pintle hitch and shall be adjustable in height above ground level from a minimum of 14 inches (35.6 cm), to a maximum of 32 inches (81.3 cm), permitting practically level towing with a wide range of towing vehicles. The towing hitch shall be bolted to the hitch plate for easy conversion to other type hitches.

A screw-post tongue jack shall be furnished. It shall be heavy duty type with a capacity of 5,000 pounds (2,268 kg). It shall be side mounted and swing away for positive road clearance while under tow.

TRAILER RUNNING GEAR:

The unit shall be equipped with a dual independent rubber torsional suspension each with a safe load capacity of 5,200 pounds (2,358 kg), electric brakes, modular wheels and ST 225/75 R15 tubeless tires (Load Range D). This suspension eliminates springs and shackles that rust and reduce ground clearance.

The unit shall have dual LED taillights, stoplights and turn signals. Lights shall be ICC approved. A license plate holder shall be attached to the driver's side taillight.

Units that have components that extend below the trailer frame are

unacceptable.

The unit shall also be equipped with two safety chains not less than 48 inches (121.9 cm) of .38 inch (.97 cm) coil proof chain attached to the tongue with a drilled type clevis pin on the end attached to the frame and screw type clevis pin on the opposite end.

approximate shipping weight 6,300 pounds (2857 kg).

HEATING TANK:

The material heating tank shall be a minimum of 50.5 inches (128.27 cm) in diameter by 29.5 inches (74.93 cm) deep having a minimum capacity of 250 gallons (946 l) at ambient temperature. Oval or square sided tanks are unacceptable as they allow for uneven agitation resulting in a non-homogenous sealant and uneven heating of sealant.

The tank will have a rear discharge from the pump and rear plug outlet. A double boiler type jacket shall create a reservoir that shall hold a minimum of 47 gallons (178 l) and require no more than 55 gallons (207 l) of heat transfer oil at 70°F (21°C).

The jacket shall wrap around 100% of the outside area of the circular material tank and bottom and allow for complete circulation of the heated transfer oil.

The tank and jacket shall be made of no less than 3/16-inch (.94) cm rolled sheet steel.

There shall be one plug to allow the entire heat transfer oil system to be drained.

The heat transfer oil shall be of ISO grade 68.

EXPANSION TANK:

A vented expansion tank for heat transfer oil. Overflow down tubes are acceptable.

HYDRAULIC SYSTEM:

The hydraulic system shall incorporate a hydraulic pump to power the agitation, pumping system. Belt driven hydraulics is unacceptable.

All valves shall be solenoid operated by toggle switch and wand handle switch.

The controls will allow for bi-directional operation of the sealant pump and agitator. A single hydraulic manifold system shall be provided with cartridge valves, which permit maintenance without hose removal. Pressure relief valves included for protection of motors. 9 Preset positions are available to adjust sealant flow.

The flow control valve will be mounted on the rear of the unit to allow the operator to adjust the pump operational speed.

All controls shall be mounted at the curb side rear on the trailer for easy access by the operator. Hydraulic controls located at the side or forward portion of the trailer are unacceptable.

The minimum 30 gallon (113.6 l) hydraulic tank will be equipped with an internal 10-micron full flow filter. The filter shall be equipped with a restriction indicator to indicate the need for service. A sight gauge level indicator equipped with a thermometer to measure oil temperature will be mounted on the tank and located where it is easily viewed.

TANK INSULATION:

The heating tank shall be insulated with a minimum of 1 ½ inch (3.81 cm) thick high temperature ceramic insulation and covered by a 22-gauge (.07 cm) steel outer wrapper. Fiberglass and rock wool insulation are unacceptable due to their moisture retention properties resulting in significant loss of their insulating value over an eighteen-month period.

LOADING HATCH:

A low profile opening for loading shall be required at the top of the material tank and shall be located on the curbside of the machine for operator safety.

The loading height shall not be less than 40 inches (139.7 cm) for operator safety.

The dual opening shall have a minimum area of 252 square inches (1,625 sq. cm), approximately 14 inches (35.56 cm) by 18 inches (45.72 cm) and shall be hinged to allow placement of a block of sealant onto the loading hatch and closure of loading hatch for easy, anti-splash loading. inches (1,625 sq. cm), approximately 14 inches (35.56 cm) by 18 inches (45.72 cm) and shall be hinged to allow placement of a block of sealant onto the loading hatch and closure of loading hatch for easy, anti-splash loading.

HEATING SYSTEM:

The heat transfer oil is heated by one 12-volt 270,000 BTU high efficiency forced air diesel fired burner directly at the bottom of the heat transfer oil tank.

The burner shall fire into an easy access removable burner combustion box. The box will be insulated by a high temperature flexible insulation that is resistant to damage from the vibration and over road travel. Rigid insulation is unacceptable.

The burner and combustion box shall be positioned offset from the center of the machine towards the passenger side frame rail. To allow safe and easy access for maintenance and repair, no components shall be positioned between the passenger side frame rail and the burner/combustion box.

The total area exposed to the burner shall be a minimum of 7,655 square inches (49,387 sq. cm). The material tank shall have a minimum of 6,632 square inches (42,787 sq. cm) of contact with the heat transfer oil. No other mechanical circulation of the heat transfer oil by pump shall be accepted. This provides for a melt rate of 2,000 pounds (907.1 kg) per hour.

The burner shall be lit by a constant duty high voltage transformer powering an electric spark ignitor. This ignitor shall work in conjunction with a sensor that detects a lack of burn or ignition and shuts down the fuel supply.

The burner fuel system is to be self-priming with a removable in-line filter along with its own feed and return lines to the main fuel tank.

The thermostat control is located on the curbside of the machine for operator safety.

INTEGRATED CONTROL SYSTEM:

The control box shall provide a fully integrated control system for the engine, heating system, agitation system and application system.

The Melter applicator shall have a thermostatic control device that will automatically regulate hot oil, material and hose temperature.

The control shall have a digital readout and independent dial control for each heat transfer oil, material and applicator hose temperatures.

The thermostat shall control burner ignition for a temperature range from a low 200°F(93.3°C) up to a high of 425°F(218.3°C) for a wide variety of sealants.

The temperature controls shall be in a single weatherproof control box.

The controls shall be activated by a single power switch, which will then turn each function on at the proper time.

The controls will automatically activate the application system when the material temperature reaches 325°F (162.8°C).

The controls will lock out operation of the agitation system, hose heating system and application system when the material temperature is below the minimum operation temperature for operator safety and to prevent damage to the operational components.

AGITATION:

The sealant material shall be mixed by a hydraulically driven, full sweep vertical agitator with two opposing horizontal paddles and vertical risers attached to the ends. This feature ensures that material remains in complete suspension and that the hot material stays in the lower area of the tank and does not get splashed or thrown to the upper areas of the tank.

To ensure proper material agitation and movement of sealant blocks, the distance between the vertical riser and tank sidewall shall not exceed 2 inches at any point.

Agitator shall be factory preset and not adjustable.

The agitator rotates in both directions.

For additional safety the agitator will shut off automatically when the loading hatch is opened.

BI-DIRECTIONAL VARIABLE SPEED PUMPING UNIT:

A hardened steel gear pump is located in the center of the material tank attached to the bottom of the tank.

Pumping of material is controlled by a switch on the hand wand and output is controlled hydraulically.

Sealant pumping shall be on demand. The pump shall only operate when the hand trigger switch is engaged.

When pumping stops, all line pressure and sealant flow shall stop.

When the hand wand trigger switch is disengaged, the pump and sealant flow shall stop and all line pressure shall be removed.

The pump shall be capable of delivering sealant at a rate that exceeds the melt rate of the unit.

SEALANT HOSE AND APPLICATOR WAND:

Both the hose and wand are heated by voltage electric current and are temperature regulated.

Both the hose and wand will be serviceable (designed to be factory rebuilt). The manufacturer must have an established re-build program to service these components.

The combination length between the hose and wand shall not be less than 22 feet (6.70 m).

Due to weight and safety considerations, an oil-jacketed hose is unacceptable.

The hose shall be specifically manufactured for handling liquid asphalt products up to 400° F (204° C) at 500 psi (34.47 bar) working pressure.

Hose shall not be less than 18 feet (5.48 m) in length.

For maximum operator safety it shall be made of 3/4 inch (1.91 cm) inside diameter PTFE Teflon® inner core and reinforced with a stainless-steel outer braid. This braid serves a dual purpose; it provides a protective covering for the inner core and allows the hose to carry pressure. It shall also be insulated and have a cover to prevent damage to the hose or allow hot material from leaking out. Further, it shall have an abrasive sleeve to protect the operator from heat.

Total diameter of the hose shall be not greater than 2 1/2 inch (5.72 cm). The total weight of the hose shall not exceed 20 pounds (9.07 kg).

The hose and wand are to be wrapped and heated with a minimum of three electrical wires with terminal ends. The wires will be capable of heating the hose to 400°F (204° C) in less than 45 minutes and have variable temperature control capability.

The hand wand shall not be less than 4 feet (1.22 m) in length.

Material flow is controlled by a trigger switch.

For greater operator mobility, the connection between the wand and hose shall be through a 360° swivel.

The hose is supported by a 6 ft. boom (1.83 m), which swivels side to side on dual pillow block bearings.

The boom is centered at the rear of the machine. With full set of replacement sealing tips for wand all option .

ENGINE:

The unit shall be equipped with a diesel engine with the following specifications:

- Electric Start
minimum 25 H.P. Tier 4 Final compliant
- Full Flow Oil Filter
Spin on filters fuel and oil
- Water Cooled
- High Water Temperature Shut Down
- High Water Temperature Shut Down

Engine controller shall have a gauge package that includes oil pressure, water temperature, voltage, torque percentage, hour meter, and RPM. It shall also have an Auto Start function which preheats and starts engine. The engine speed electronically adjusts automatically, and is preset in the engine controls for optimal machine performance.

FUEL CAPACITY:

The Melter shall have a minimum 30-gallon (113.611) diesel fuel tank for operation of the entire unit.

The unit will be capable of operating for a minimum of 8 hours on one tank of fuel.

PAINT:

All surfaces shall be painted

TRAINING:

An authorized, factory representative will be made available for a full day of training at a facility designated by the bidding agency.

At this training session a complete operational, mechanical and safety overview will occur.

Both safety and operational manuals will be viewed and discussed with all concerned personnel.

Additionally, the representative will be available at that time for "on the job" safety and field training.

SERVICE AND PARTS:

Bidder should furnish upon request, a list of established manufacturer's authorized locations where an adequate stock of current parts and services are available.

Consideration in awarding bids should be given to parts and service availability.

INSPECTION AND DELIVERY OF EQUIPMENT TO COMPLY WITH VENDOR'S INSTRUCTION SHEET

SERVICE MANUALS & PARTS BOOKS:

Successful bidder should furnish one (2) Operators Instruction Manual, one (1) Parts Book, one (1) Illustrated Repair Manual and one (1) Safety Manual to each Division purchasing one or more.

SERVICE POLICY:

Manufacturer's Standard Service Policy should be furnished, complete and unaltered with each unit delivered.

SPECIFICATIONS:

- Each bidder should submit complete manufacturer's specification in duplicate and other data to show his proposal meets these specifications and further guarantees that the machine furnished strictly complies with the manufacturer's specifications.

THE STATE OF OKLAHOMA RESERVES THE RIGHT TO WAIVE MINOR TECHNICALITIES UNDER THESE SPECIFICATIONS.

DEMONSTRATION:

Bidders may be required to demonstrate the make and model machine bid, prior to the award to assure equality, correct specifications and productivity of subject machine.

SERVICE AND WARRANTY:

The Vendor should furnish a standard Manufacturer's Service and Warranty Policy and should pay any cost of inspection and adjustment that may be necessary in accordance with the Warranty. Because the maintenance of this equipment to remain in good operational condition without protracted time out for repairs is very important, it is essential that repair parts and service be adequate and readily available.

VENDOR SHOULD FILL IN ALL SPACES UNDER VENDOR'S PROPOSED; FAILURE TO COMPLY MAY RESULT IN BID REJECTION.

COMPLIANCE:

Bidder should furnish a statement in writing on the Bid or by attached letter and in the Vendor's Statement below, if their equipment proposed strictly meets these specifications. If not, they should list each variation therefrom.

EQUIPMENT SPECIFICATION

**STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION
07-05**

07/2020

VENDOR'S STATEMENT (EQUIPMENT PROPOSED COMPLIES):
YES: _____ NO: _____

DEALER: _____ **DATE:** _____

SIGNATURE: _____ **PHONE:** _____

ADDRESS: _____

Comments: