



State of West Virginia  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

# Request for Quotation

RFQ NUMBER  
**707EC006**

PAGE  
**1**

ADDRESS CORRESPONDENCE TO ATTENTION OF:  
**JOHN JOHNSTON**  
**304-558-2402**

**VENDOR**  
 \*516130239      330-922-3630  
**DJL MATERIAL & SUPPLY INC**  
**PO BOX 5293**  
**AKRON OH 44334-0293**

**SHIP TO**  
**DIVISION OF HIGHWAYS**  
**EQUIPMENT DIVISION**  
**ROUTE 33**  
**BRUSHY FORK ROAD**  
**BUCKHANNON, WV**  
**26201      304-472-1750**

DATE PRINTED <b>08/24/2006</b>	TERMS OF SALE <b>Net 30</b>	SHIP VIA <b>Reg</b>	F.O.B. <b>WVDOH</b>	FREIGHT TERMS <b>No Cost</b>
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BID OPENING DATE: **10/04/2006**      BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	EA		370-33	28900.00	28900.00
<p><b>TRAILER MOUNTED ASPHALT KETTLE</b></p> <p><b>OPEN END CONTRACT</b></p> <p>TO PROVIDE TRAILER MOUNTED ASPHALT KETTLE AS DESCRIBED IN ATTACHED PROCUREMENT SPECIFICATION 521-1-D.</p> <p>THERE WILL BE A MANDATORY PRE-BID CONFERENCE AT THE STATE CAPITOL COMPLEX, BUILDING 15, CONFERENCE ROOM, AT 1:00 PM ON 9/21/06. FAILURE TO ATTEND THE PRE-BID CONFERENCE WILL RESULT IN BID DISQUALIFICATION.</p> <p>QUESTIONS: WRITTEN QUESTIONS WILL BE ACCEPTED THROUGH CLOSE OF BUSINESS (5:00PM EST) ON WEDNESDAY 9/13/06. SEND YOUR QUESTIONS TO: PURCHASING DIVISION            ATTENTION JOHN JOHNSTON            2019 WASHINGTON ST. E.            CHARLESTON, WV. 25305</p> <p>QUESTIONS MAY BE SENT VIA FAX, E-MAIL, OR REGULAR MAIL.            E-MAIL: JJOHNSTON@WVADMIN.GOV            FAX: 304-558-4115</p> <p>IT IS THE VENDORS RESPONSIBILITY TO VERIFY THAT THEIR QUESTIONS HAVE BEEN RECEIVED BY CALLING 304-558-2402.</p> <p>EXHIBIT 2</p> <p>LIFE OF CONTRACT: THIS CONTRACT BECOMES EFFECTIVE ON ..... AND EXTENDS FOR A PERIOD OF ONE (1) YEAR OR UNTIL SUCH "REASONABLE TIME" THEREAFTER AS IS NECESSARY TO OBTAIN A NEW CONTRACT OR RENEW THE ORIGINAL CONTRACT. THE "REASONABLE TIME" PERIOD SHALL NOT EXCEED TWELVE (12) MONTHS. DURING THIS "REASONABL</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE *Michael D. ...*      TELEPHONE **330-922-3630**      DATE **Oct 2, 2006**

TITLE **Vice President**      FEIN **34-1318958**      ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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2

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08/24/2006				

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<p>TIME" THE VENDOR MAY TERMINATE THIS CONTRACT FOR ANY REASON UPON GIVING THE DIRECTOR OF PURCHASING THIRTY (30) DAYS WRITTEN NOTICE.</p> <p>UNLESS SPECIFIC PROVISIONS ARE STIPULATED IN THIS CONTRACT DOCUMENT, THE TERMS, CONDITIONS, AND PRICING SET HEREIN ARE FIRM FOR THE LIFE OF THE CONTRACT.</p> <p>RENEWAL: THIS CONTRACT MAY BE RENEWED UPON THE MUTUAL WRITTEN CONSENT OF THE SPENDING UNIT AND VENDOR, SUBMITTED TO THE DIRECTOR OF PURCHASING THIRTY (30) DAYS PRIOR TO THE EXPIRATION DATE. SUCH RENEWAL SHALL BE IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THE ORIGINAL CONTRACT AND SHALL BE LIMITED TO TWO (2) ONE (1) YEAR PERIODS.</p> <p>CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE COMMODITIES AND/OR SERVICES SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM WITH THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN.</p> <p>OPEN MARKET CLAUSE: THE DIRECTOR OF PURCHASING MAY AUTHORIZE A SPENDING UNIT TO PURCHASE ON THE OPEN MARKET, WITHOUT THE FILING OF A REQUISITION OR COST ESTIMATE, ITEMS SPECIFIED ON THIS CONTRACT FOR IMMEDIATE DELIVERY IN EMERGENCIES DUE TO UNFORESEEN CAUSES (INCLUDING BUT NOT LIMITED TO DELAYS IN TRANSPORTATION OR AN UNANTICIPATED INCREASE IN THE VOLUME OF WORK).</p> <p>QUANTITIES: QUANTITIES LISTED IN THE REQUISITION ARE APPROXIMATIONS ONLY, BASED ON ESTIMATES SUPPLIED BY THE STATE SPENDING UNIT. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACT SHALL COVER THE QUANTITIES ACTUALLY ORDERED FOR DELIVERY DURING THE TERM OF CONTRACT, WHETHER MORE OR LESS THAN THE QUANTITIES SHOWN.</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE 330-922-3630	DATE Oct 2, 2006
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TITLE Vice President	FEIN 34-1318958	ADDRESS CHANGES TO BE NOTED ABOVE
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LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>ORDERING PROCEDURE: SPENDING UNIT(S) SHALL ISSUE A WRITTEN EQUIPMENT CONTRACT ORDER (FORM NUMBER WV-35) FOR COMMODITIES COVERED BY THIS CONTRACT. THE ORIGINAL WV-35 MUST BE SENT TO THE PURCHASING DIVISION OF THE DEPARTMENT OF ADMINISTRATION. AFTER APPROVAL AND ENCUMBRANCE, ONE COPY OF THE PURCHASE ORDER WILL BE RETURNED TO THE SPENDING UNIT AND ONE COPY FORWARDED TO THE VENDOR AS AUTHORIZATION FOR SHIPMENT. NO ORDER IS VALID UNLESS APPROVED AND ENCUMBERED BY THE PURCHASING DIVISION.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT IS AUTOMATICALLY NULL AND VOID, AND IS TERMINATED WITHOUT FURTHER ORDER.</p> <p>REV. 9/98</p> <p>EXHIBIT 6</p> <p>PRICE ADJUSTMENT PROVISION:            THE STATE OF WEST VIRGINIA WILL CONSIDER BIDS THAT CONTAIN PROVISIONS FOR PRICE ADJUSTMENTS PRIOR TO THE ORIGINAL EXPIRATION OF THE CONTRACT, PROVIDED THAT SUCH PRICE ADJUSTMENT COVERS BOTH UPWARD AND DOWNWARD MOVEMENT OF THE COMMODITY PRICE, AND THAT ADJUSTMENT IS BASED ON THE "PASS THROUGH" INCREASE OR DECREASE OF RAW MATERIALS AND/OR LABOR, WHICH MAKE UP ALL OR A SUBSTANTIAL PART OF A PRODUCT. ADJUSTMENTS ARE TO BE BASED UPON AN ACTUAL DOLLAR FIGURE, NOT A PERCENTAGE. ALL PRICE ADJUSTMENT REQUESTS MUST BE SUBSTANTIATED IN A MANNER ACCEPTABLE TO THE DIRECTOR PURCHASING, E.G. GOVERNMENTAL BENCH MARKS, GENERAL MARKET INCREASE, PUBLISHED PRICE LISTS. SUCH REQUESTS FOR AND INCREASE</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Michael J. Gray</i>	TELEPHONE 330-922-3630	DATE Oct 2, 2006
TITLE Vice President	FEIN 34-1318958	ADDRESS CHANGES TO BE NOTED ABOVE

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<p>SHOULD BE RECEIVED IN WRITING BY THE DIRECTOR OF PURCHASING AT LEAST 30 DAYS IN ADVANCE OF THE EFFECTIVE DATE OF THE INCREASE. ANY TIME THE VENDOR REQUESTS A PRICE ADJUSTMENT, THE PURCHASING DIVISION MAY EITHER ACCEPT THE PRICE ADJUSTMENT AND AMEND THE CONTRACT ACCORDINGLY OR REJECT THE ADJUSTMENT IN ITS ENTIRETY AND CANCEL THE CONTRACT.</p> <p>VENDOR PREFERENCE CERTIFICATE</p> <p>CERTIFICATION AND APPLICATION* IS HEREBY MADE FOR PREFERENCE IN ACCORDANCE WITH WEST VIRGINIA CODE, 5A-3-37 (DOES NOT APPLY TO CONSTRUCTION CONTRACTS).</p> <p>A. APPLICATION IS MADE FOR 2.5% PREFERENCE FOR THE REASON CHECKED:</p> <p>( ) BIDDER IS AN INDIVIDUAL RESIDENT VENDOR AND HAS RESIDED CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR</p> <p>( ) BIDDER IS A PARTNERSHIP, ASSOCIATION OR CORPORATION RESIDENT VENDOR AND HAS MAINTAINED ITS HEAD-QUARTERS OR PRINCIPAL PLACE OF BUSINESS CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR 80% OF THE OWNERSHIP INTEREST OF BIDDER IS HELD BY ANOTHER INDIVIDUAL, PARTNERSHIP, ASSOCIATION OR CORPORATION RESIDENT VENDOR WHO HAS MAINTAINED ITS HEADQUARTERS OR PRINCIPAL PLACE OF BUSINESS CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR</p> <p>( ) BIDDER IS A CORPORATION NONRESIDENT VENDOR WHICH HAS AN AFFILIATE OR SUBSIDIARY WHICH EMPLOYS</p>						

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Vice President	34-1318958	

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<p>A MINIMUM OF ONE HUNDRED STATE RESIDENTS AND WHICH HAS MAINTAINED ITS HEADQUARTERS OR PRINCIPAL PLACE OF BUSINESS WITHIN WEST VIRGINIA CONTINUOUSLY FOR THE FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION.</p> <p>B. APPLICATION IS MADE FOR 2.5% PREFERENCE FOR THE REASON CHECKED:</p> <p>( ) BIDDER IS A RESIDENT VENDOR WHO CERTIFIES THAT, DURING THE LIFE OF THE CONTRACT, ON AVERAGE AT LEAST 75% OF THE EMPLOYEES WORKING ON THE PROJECT BEING BID ARE RESIDENTS OF WEST VIRGINIA WHO HAVE RESIDED IN THE STATE CONTINUOUSLY FOR THE TWO YEARS IMMEDIATELY PRECEDING SUBMISSION OF THIS BID;</p> <p>OR</p> <p>( ) BIDDER IS A NONRESIDENT VENDOR EMPLOYING A MINIMUM OF ONE HUNDRED STATE RESIDENTS OR IS A NONRESIDENT VENDOR WITH AN AFFILIATE OR SUBSIDIARY WHICH MAINTAINS ITS HEADQUARTERS OR PRINCIPAL PLACE OF BUSINESS WITHIN WEST VIRGINIA EMPLOYING A MINIMUM OF ONE HUNDRED STATE RESIDENTS WHO CERTIFIES THAT, DURING THE LIFE OF THE CONTRACT, ON AVERAGE AT LEAST 75% OF THE EMPLOYEES OR BIDDERS' AFFILIATE'S OR SUBSIDIARY'S EMPLOYEES ARE RESIDENTS OF WEST VIRGINIA WHO HAVE RESIDED IN THE STATE CONTINUOUSLY FOR THE TWO YEARS IMMEDIATELY PRECEDING SUBMISSION OF THIS BID.</p> <p>BIDDER UNDERSTANDS IF THE SECRETARY OF TAX &amp; REVENUE DETERMINES THAT A BIDDER RECEIVING PREFERENCE HAS FAILED TO CONTINUE TO MEET THE REQUIREMENTS FOR SUCH PREFERENCE, THE SECRETARY MAY ORDER THE DIRECTOR OF PURCHASING TO: (A) RESCIND THE CONTRACT OR PURCHASE ORDER ISSUED; OR (B) ASSESS A PENALTY AGAINST SUCH BIDDER IN AN AMOUNT NOT TO EXCEED 5% OF THE BID AMOUNT AND THAT SUCH PENALTY WILL BE PAID TO THE CONTRACTING</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
<i>Michael J. ...</i>	330-922-3630	Oct 2, 2006
TITLE	FAX	ADDRESS CHANGES TO BE NOTED ABOVE
Vice President	34-1318958	

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<p>AGENCY OR DEDUCTED FROM ANY UNPAID BALANCE ON THE CONTRACT OR PURCHASE ORDER.</p> <p>BY SUBMISSION OF THIS CERTIFICATE, BIDDER AGREES TO DISCLOSE ANY REASONABLY REQUESTED INFORMATION TO THE PURCHASING DIVISION AND AUTHORIZES THE DEPARTMENT OF TAX AND REVENUE TO DISCLOSE TO THE DIRECTOR OF PURCHASING APPROPRIATE INFORMATION VERIFYING THAT BIDDER HAS PAID THE REQUIRED BUSINESS TAXES, PROVIDED THAT SUCH INFORMATION DOES NOT CONTAIN THE AMOUNTS OF TAXES PAID NOR ANY OTHER INFORMATION DEEMED BY THE TAX COMMISSIONER TO BE CONFIDENTIAL.</p> <p>UNDER PENALTY OF LAW FOR FALSE SWEARING (WEST VIRGINIA CODE 61-5-3), BIDDER HEREBY CERTIFIES THAT THIS CERTIFICATE IS TRUE AND ACCURATE IN ALL RESPECTS; AND THAT IF A CONTRACT IS ISSUED TO BIDDER AND IF ANYTHING CONTAINED WITHIN THIS CERTIFICATE CHANGES DURING THE TERM OF THE CONTRACT, BIDDER WILL NOTIFY THE PURCHASING DIVISION IN WRITING IMMEDIATELY.</p> <p style="text-align: center;">DJL Material &amp; Supply, Inc.</p> <p>BIDDER: -----</p> <p>DATE: <u>October 2, 2006</u> -----</p> <p>SIGNED: <u><i>[Signature]</i></u> -----</p> <p style="text-align: center;">Vice President</p> <p>TITLE: -----</p> <p>* CHECK ANY COMBINATION OF PREFERENCE CONSIDERATION(S) IN EITHER "A" OR "B", OR BOTH "A" AND "B" WHICH YOU ARE ENTITLED TO RECEIVE. YOU MAY REQUEST UP TO THE MAXIMU</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <u><i>[Signature]</i></u>	TELEPHONE <b>330-922-3630</b>	DATE <b>Oct 2, 2006</b>
TITLE <b>Vice President</b>	FEIN <b>34-1318958</b>	ADDRESS CHANGES TO BE NOTED ABOVE

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	AKRON OH 44334-0293

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	EQUIPMENT DIVISION
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LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
				5% PREFERENCE FOR BOTH "A" AND "B". (REV. 12/00)		
				NOTICE		
				A SIGNED BID MUST BE SUBMITTED TO:		
				DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130		
				THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:		
				SEALED BID		
				BUYER:	33	
				RFQ. NO.:	707EC006	
				BID OPENING DATE AND TIME		
				PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: 330-922-8070		

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
<i>M. J. Johnston</i>	330-922-3630	Oct 2, 2006
TITLE Vice President	FAX 34-1318958	ADDRESS CHANGES TO BE NOTED ABOVE

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PAGE
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LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
CONTACT PERSON (PLEASE PRINT CLEARLY): Michael Leahy						
***** THIS IS THE END OF RFQ 707EC006 ***** TOTAL:						28900.00

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Michael Leahy</i>	TELEPHONE 330-922-3630	DATE Oct 2, 2006
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TITLE Vice President	FEIN 34-1318958	ADDRESS CHANGES TO BE NOTED ABOVE
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WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
EQUIPMENT DIVISION

PROCUREMENT SPECIFICATIONS  
NO. 521-1-D

TRAILER MOUNTED ASPHALT KETTLE

1.0 PURPOSE

It is the purpose of these specifications to describe a Trailer Mounted Asphalt Kettle (hereinafter referred to as a "applicator" or a "unit") to be purchased for use by the West Virginia Division of Highways (DOH) on an Open End Contract basis.

2.0 BIDDING PROCEDURES

The current purchasing procedures regarding bidding as established by the Department of Administration, Purchasing Division, shall apply. Failure to submit the "Request for Quotation" forms, complete in its entirety and according to directions indicated, may subject the bidder to disqualification. Each bid submitted shall also be accompanied by a Bidder's Evaluation Report completed in detail. **FAILURE TO SUBMIT THE BIDDER'S EVALUATION REPORT, COMPLETE IN ITS ENTIRETY, MAY RESULT IN AUTOMATIC DISQUALIFICATION.**

3.0 SPECIFICATIONS

The specifications named herein, mandatory and non-mandatory, establish the acceptable level of quality only and are not intended to reflect a preference or favor any particular brand or vendor.

3.1 EXCEPTIONS TO NON-MANDATORY SPECIFICATIONS

Exception to a non-mandatory unit specification may be made by the bidder, providing the exception is not available from the manufacturer. Any such exception must be noted on the bidder's evaluation report and should be accompanied by supporting documentation/literature from the manufacturer. Any exception must be indicated on a separate attachment to the bidder's evaluation report and labeled as "Exception to Specifications". The state reserves the right to determine whether the stated exception does or does not reduce the quality and performance of the unit. Failure to provide information for any exceptions may be grounds for rejection of the bid. The state reserves the right to waive minor irregularities in bids or specifications in accordance with §148-1-4(f) of the WV Legislative Rules and Regulations.

### 3.2 MANDATORY SPECIFICATIONS

All specifications preceded by "shall and/or must" or are stated as a "minimum and/or maximum" are mandatory. Any bid failing to meet any mandatory item shall be immediately disqualified. Failure to respond in the appropriate evaluation section may also be grounds for immediate disqualification at the discretion of the State.

A mandatory pre-bid conference is scheduled for this equipment purchase as stated in the RFQ. Vendors having products with variations or exceptions in specified mandatory items are expected to address any such variations or exceptions during the pre-bid conference. The State shall review and consider any such variation or exception, and may at its sole discretion, issue an addendum to change mandatory specifications deemed to be in the State's best interest. Bids from any vendor failing to attend the mandatory pre-bid shall be disqualified. Bids containing any variation or exception to a mandatory specification that was not addressed during the pre-bid conference and accepted by the issuance of an Addendum shall be disqualified.

### 4.0 REPRESENTATIVE UNIT FOR TEST

The successful vendor must (if specified) provide DOH one (1) completed representative unit to be observed and evaluated on the first order only to insure compliance with specification. If requested, the time period for testing and evaluation shall be seven (7) calendar days following receipt of the unit. DOH will incur no obligation for deterioration of surfaces, finishes, seals, and mechanical or electrical parts on the unit resulting from operation and testing within the limits of these specifications; nor will DOH incur obligation for damage to the unit resulting from failure to meet specifications when due care and attention is given by DOH and testing is done within the limits of these specifications. Failure of the pilot unit to satisfactorily meet specifications as bid shall be cause for cancellation of the purchase order, and return of the delivered unit along with all associated equipment to the vendor at the vendor's expense.

### 4.1 CONDITION OF UNIT(S) UPON DELIVERY

All units must arrive at the prescribed delivery point having been completely preserviced with oil, lubricants, and coolant. All prescribed precautions pertaining to first operations and break-in of the unit are to be posted conspicuously on the unit for ready observance by the operator.

### 4.2 DELIVERY

Delivery point of the completely assembled representative unit will be the DOH, Equipment Division, Route 33 at Brushy Fork Road, Buckhannon, West Virginia (26201).

The vendor is responsible for guaranteeing delivery of the completed units within the time specified and agreed to by the State. Delivery is preferred within 90 days. The vendor is responsible for establishing and coordinating delivery terms with allied manufacturers or suppliers. Delivery terms shall be stated in the bid and the State reserves the right to accept or negotiate such terms. Failure to reach an agreement may result in rejection of the bid. The successful bidder shall provide their manufacturer's confirmation of the order to the WVDOH contact person within seven (7) working days after receiving the approved purchase order.

A completed pilot model for inspection must be provided within 45 calendar days after the date of the purchase agreement by the successful vendor.

Delivery is an integral part of this specification and failure to comply will be cause to initiate a D.O.T. Administrative Form WV-82, Vendor Performance Form. The WV-82 Form will provide a means of officially notifying the Purchasing Division and the vendor of unsatisfactory performance; such as late deliveries, poor service, inadequate parts supplies, etc.

The decision to initiate subject Form will be at the sole discretion of the D.O.H. Commissioner's established Equipment Review Board.

Issuance of the WV-82 Vendor Complaint Form on unsatisfactory delivery against any vendor will be cause to refuse to consider similar items from those vendors on future Request For Quotations.

(NOTE: Delivery time could be altered due to labor strikes, severe inclement weather conditions, etc.)

## 5.0 AWARD CRITERIA

- 5.1 DOH will recommend the award in accordance with the RFQ evaluation criteria described in the requisition. The award shall be made to the lowest unit cost vendor that meets or exceeds the specifications.

Prices for the units shall be in quantities of 1-5 and 6-10. However, for evaluation purposes, we will use quantities 1-5. DOH reserves the right to place multiple orders in any quantity.

## 6.0 SPECIFICATIONS AND GUIDELINES - GENERAL

### 6.1 IDENTIFICATION OF THE UNIT BEING PROPOSED

The bidder must identify the unit by manufacturer, model, series, and year of manufacture, in the bid to enable identification by DOH in the manufacturer's specifications of the proposed unit. The bidder will submit complete descriptive literature of the proposed unit, to establish that the bid is the manufacturer's most current model, including latest engineering improvements, which have been, or will imminently

be, regularly advertised and sold on the open market. The unit specified herein and offered to be manufactured after January 1, 2006 and be clearly identified and marked with date of manufacture.

## 6.2 OPERATING AND SERVICE MANUALS AND PARTS LISTS

An operator's manual must be included with each unit upon delivery. A "line sheet" (if applicable) and Equipment Preventative Maintenance Questionnaire (as shown in X6.2 of the Bidder's Evaluation Report) must be with pilot unit upon delivery. In addition, there must be 12 service, shop, or maintenance manuals; ten (10) to be distributed to the Districts and two (2) for the Equipment Division. Also, there must be 14 parts manuals; ten (10) to be distributed to the Districts and four (4) for Equipment Division use. CD ROM is preferred in lieu of parts manuals.

\* NOTE: MANUALS SHALL BE DELIVERED UPON COMPLETION OF DELIVERY OF TOTAL UNITS. FAILURE TO DO SO WILL DELAY PAYMENT.

## 6.3 TRAINING:

Manufacturers and/or dealers will be required to stage a thorough seminar on the subjects of Preventative Maintenance, Operator and Mechanic Training. In order to keep the operators and mechanics updated, the successful vendor shall conduct training with each purchase order against this open end contract. Training is preferred within 2 working days after delivery of the pilot unit on the individual purchase order.

Manufacturers and/or dealers shall be required to furnish the Training Academy with one (1) Operator's Manual.

The seminar to be held at the W. Va. Division of Highways, Equipment Division, Buckhannon, West Virginia.

## 6.4 PREVENTIVE MAINTENANCE AND OPERATOR PROCEDURES:

Manufacturers and/or dealers will be required to submit to the Equipment Division, in addition to the operating and service manuals, booklets and pamphlets explaining the Preventive Maintenance and Operator Procedures to be used by the operators of this equipment, and must include such things as daily prestart inspection procedure, service schedule, and routine maintenance required, safety precautions, etc.

The successful vendor shall furnish all training aids; i.e., videos, projectors, etc. required in conducting the training.

## 6.5 WARRANTY AND SERVICE POLICY

The Manufacturers warranty or service policy is to apply to the unit. Such warranty or service policy is to be recognized at any authorized unit dealer, representing manufacturer of proposed unit throughout the State of West Virginia. The applicable

warranty or service policy will not be contingent upon obtaining routine service, lubrication, and servicing of the unit from factory authorized agencies. It will be the responsibility of the bidder to have available labor to repair or replace any defective replacement parts, components and materials, and to have available those replacement parts, components, and/or materials found to be defective during the terms of the warranty period. The bidder should state the labor rates, locations where parts will be stocked, availability of parts, and discounts offered for parts, when terms of the warranty offer a pro-rated cost for parts and labor. In addition, the successful bidder should offer field work to repair or replace defective parts, components, and materials found to be defective during the terms of the warranty and should provide mechanic's travel rates, mileage charges, field mechanic rates, and any surcharge for miscellaneous items, if applicable, for field work during the warranty period. Submit to Division of Highways any technical or engineering improvements during the term of the warranty. The unit must be accompanied upon delivery by the unit's manufacturer's executed warranty or service policy.

THE "WARRANTY AND SERVICE POLICY QUESTIONNAIRE" ATTACHED IN THE BIDDER'S EVALUATION REPORT MUST BE COMPLETED IN ITS ENTIRETY BY THE SUCCESSFUL BIDDER OR MANUFACTURER PRIOR TO DELIVERY OF THE PILOT MODEL. (SEE SECTION X6.5 OF BIDDER'S EVALUATION REPORT).

#### 6.6 EVALUATION COMMITTEE REQUIREMENTS

Detailed component specifications, product literature, component models, required for specification compliance determination by the Evaluation Committee should be provided with each bid. Any information supplied that is contrary to/or conflicting with the specifications and/or attached Bidders Evaluation Report may be sufficient cause for rejection of bid.

#### 6.7 UNSPECIFIED ACCESSORIES & FEATURES

All parts, equipment, accessories, material, design and performance characteristics not specified herein, but which are necessary to provide a complete unit, must be furnished with each unit and required to conform to strength, quality of material, and quality of workmanship to those which are advertised and provided to the market in general by the unit industry.

All parts and accessories advertised and regularly supplied as standard shall be included, except those which would represent duplication of these specified, and except those which, by specification, are not to be furnished. All standard safety features, required by Federal and State Law, shall be included.

7.0 SPECIFICATIONS OF THE QUOTED UNIT ARE AS FOLLOWS:

It is the purpose of the following specifications to describe a Double Boiler Type Melter Applicator that shall be the manufacturers current production model. This unit shall be capable of heating and applying, without any further equipment modifications, all grades of asphalt rubber sealants, specification joint sealants, and fiber modified sealants. The machine shall be capable of starting at ambient temperature and bringing the sealant material to application temperature in one (1) hour or less. All bidders shall have and maintain a complete inventory of repair parts; as well as having experience service personnel available to service the equipment.

8.0 Frame:

8.1 This unit shall be trailer mounted. The tongue to be equipped with a 2 ½ inch pintle hitch; the center of which shall be a minimum of 25 inches from the nearest obstruction on the tongue.

8.1.2 Trailer tongue shall be adjustable in height above ground level from a minimum of 20 inches to a maximum of 28 inches permitting practically level towing with a variety of towing vehicles.

8.1.3 The towing hitch must be bolted to the hitch plate for easy height adjustment and/or conversion to other type hitches.

8.1.4 Longitudinal side frames and tongue members should be of one (1) continuous piece construction.

8.1.5 The configuration of the channels should be cold formed with the flanges on the outside resulting in a one (1) piece frame member with no cross welding of or on the flanges to avoid any possibility of flange stress cracking.

8.2 Trailer:

8.2.1 The unit shall be equipped with dual axle; each axle to have a safe load capacity of 3500 lbs.

8.2.2 Axles shall be equipped with four (4) underslung multi-leaf springs or torsion type.

8.2.3 Unit shall be equipped with electric brakes and safety break-away switch.

8.2.4 Wheels to be drop center steel disc type.

8.2.5 Tires should be Tubeless Type Load Range D adequate for specified unit.

- 8.2.6 Tongue jack shall be provided; tongue jack capacity shall be minimum of 5,000 lbs. preferably side mounted.
- 8.2.7 Trailer tongue shall include two (2) safety chains not less than 48 inches length of 3/8 inch coil proof.
- 8.2.8 Total weight of unit (less material in tank) to be approximately 3,500 lbs.
- 8.3 Lights:
  - 8.3.1 Unit shall have dual taillights, stop lights, right and left turn signals.
  - 8.3.2 License plate holder shall be attached to the left rear taillight.
  - 8.3.3 Lighting plug to be Cole Hersee Part #12081 male or equal
- 8.4 Heating Tank:
  - 8.4.1 Heating tank capacity of 200 U.S. gallons at ambient temperature.
  - 8.4.2 Unit shall have a double boiler type jacket which creates a reservoir that shall hold a minimum of 27 U.S. gallons of heat transfer oil at 70°F.
  - 8.4.3 The jacket shall wrap around 100% of the outside area of the circular material tank and allow for complete circulation of the heated transfer oil.
- 8.5 Loading Hatch:
  - 8.5.1 A low profile opening for loading of material provided at the top of the tank and located on the curb side of the unit for operator safety.
  - 8.5.2 Loading height should not exceed 57 inches.
  - 8.5.3 The opening should provide approximately 380 square inches (16" x 24" approximate) capable of accepting blocks of material.
  - 8.5.4 Lid should be hinged and provided with a shelf to put material on in order to provide easy anti splash loading as well as a locking pin.
  - 8.5.5 The heating tank shall be adequately insulated with 1 1/2 inch thick high temperature ceramic insulation or equivalent and covered by a 16 gauge steel (approximate) outer wrapper.
  - 8.5.6 A cold seal tank to be provided to minimize oil oxidation and prevent moisture condensation into the heat transfer oil.

## 8.6 Heating:

- 8.6.1 Heat transfer oil to be adequately heated by high efficiency forced air diesel fired burner directly to the bottom of the heat transfer oil tank.
- 8.6.2 Total area exposed to the burner should be a minimum of 6,560 square inches (45.5 square feet).
- 8.6.3 The material tank should have a minimum of 5,708 square inches (39.6 square feet) of contact with the heat transfer oil.
- 8.6.4 Heating oil to be continuously circulated by means of a hydraulically driven gear pump at approximately 1.1 U.S. gallons per minute in order to provide a melt rate of a minimum of 1,700 lbs. per hour.
- 8.6.5 Burner shall be lighted via a constant duty high voltage transformer powering an electric spark ignitor.
- 8.6.6 The ignition shall work in conjunction with a sensor that will detect a lack of burn or ignition and shut down fuel supply in that event.
- 8.6.7 Thermostatic control should be located on the curbside of the machine for operator safety.

## 8.7 Pumping Unit and Piping:

- 8.7.1 Material pump shall be approximately 2 inches positive displacement helical gear pump or equivalent, quiet operation with equal efficiency in either direction of rotation.
- 8.7.2 The pump to be hot oil jacketed for rapid heating by being piped in series with the heat transfer oil circulation pump.
- 8.7.3 All piping and material valves shall be heated by enclosure within the heating chamber.
- 8.7.4 A "T" pipe shall be incorporated into the material plumbing system that will allow for the optional connection of a "molasses" valve for filling pour pots with or without utilizing the applicator hose.
- 8.7.5 Control handles for opening and closing the recirculation valve, applicator valves, and main tank valve shall be located outside the heating chamber at the rear curb side of the unit for both operator convenience and protection from handling excessively hot control handles.

## 8.8 Hose Heating Chamber:

- 8.8.1 The unit, heating chamber, and wand shall be designed and constructed that under normal day-to-day operation no clean out procedure is required.



- 8.8.2 Provisions shall be made to attach air hoses for compressed air cleaning after using exceptionally thick and heavy sealants or when preparing the unit for long periods of storage.
- 8.8.3 The hose heating chamber shall be equipped with a temperature gauge to insure proper regulation of temperature to hose and application wand while in heating chamber.
- 8.8.4 An adjustable damper to be installed over the flue vent for the heating chamber.
- 8.8.5 Hose and applicator wand storage racks with drains in the floor to be incorporated in the heating chamber.
- 8.8.6 Doors and side walls shall be 100% insulated.
- 8.8.7 Hinged doors to be lockable and designed to overlap and interconnect.
- 8.8.8 Provisions shall be made for operation of applicator hose while doors remain closed to insure continuous heating of piping extraneous to the material tank.
- 8.9 Temperature Control:
  - 8.9.1 Melter applicator shall have a digital temperature control device with a high temperature limit switch which will automatically shut off the burner if the heat transfer oil reaches 575°F. Forced air diesel fuel burner rated at 372,000 BTU.
  - 8.9.2 Unit shall provide two (2) dial type temperature gauges to visually indicate actual temperature of heat transfer oil and material temperature. Gauges should be located on top curbside of the unit.
  - 8.9.3 A third temperature gauge to be located at the discharge side of the material pump to positively identify sealant temperature just prior to placement.
  - 8.9.4 Melter shall have infinite control of temperature for the broad range of sealants to be applied.
- 8.10 Agitation:
  - 8.10.1 The sealant material to be mixed by a hydraulically driven full sweep vertical agitator with two (2) Opposing horizontal paddles with vertical riser attached to extreme ends or similar method.
  - 8.10.2 Agitation feature shall insure that hot material stays in the lower area of the tank and does not get splashed or thrown to the upper areas of the tank where build up can occur.
  - 8.10.3 Agitator to rotate in either direction with infinite speed control.

### 8.11 Engine:

The unit shall be equipped with a diesel fueled engine complying with the following specifications.

- 8.11.1 Engine: 23 HP Approximate
- 8.11.2 Engine shall be electric start and equipped with engine manufacturers recommended maintenance free battery and charging system.
- 8.11.3 Engine shall be equipped with manufacturers heavy duty oil and air filter systems.
- 8.11.4 Diesel engine to be water cooled.
- 8.11.5 Cooling system shall be capable of maintaining the engine temperature within the manufacturers recommended temperature range during continuous operation under maximum speed and load combinations.
- 8.11.6 Coolant system shall be filled with permanent type anti-freeze rated to a minus 40°F..
- 8.11.7 Engine shall be equipped with manufacturers recommended mechanical governor.
- 8.11.8 Engine noise level not to exceed 85 dba at a distance of 6 feet from the unit while in operation.
- 8.11.9 Unit should provide a minimum 30 U.S. gallon fuel tank for operation of diesel engine and burner.

### 8.12 Sealant Hose and Applicator Wand:

- 8.12.1 Hose to be one inch (1") inside diameter and minimum of 20 feet length.
- 8.12.2 Hose shall be insulated, rubber coated, steel braid reinforced, and neoprene lined.
- 8.12.3 The hose shall be specifically manufactured for handling of all petroleum based products up to temperatures of 400°F at 300 PSI work pressure.
- 8.12.4 The hand applicator to have two (2) insulated handles; one (1) of which is connected to a quarter turn ball valve used to control flow of material.
- 8.12.5 Applicator wand should disconnect at center allowing for storage in the heat chamber.
- 8.12.6 A variety of nozzles shall be provided and shall be attachable to the applicator wand.

### 8.13 Shoe Box:

- 8.13.1 An external box shall be supplied capable of holding and recirculating a wand tip or shoe of at least six inches (6") in diameter.

- 8.13.2 A locking device shall also be incorporated that will lock the hand wand to the "shoe box" or the re-circulating tube.
- 8.14 Paint shall be manufacturers standard for model bid.
- 8.15 Vendor must certify that unit offered will meet or exceed the "Occupational Safety and Health Act of 1970" or subsequent changes that are in effect at time of manufacture of the unit.
- 8.16 Advertising: No visible decals or nameplates or painted on names representing the manufacturer or model number of trademark should appear on the exterior surfaces of the unit. Such logos created through the stamping or casting process of manufacture are expected.
- 8.17 Preventive Maintenance & Operator's Training School:

Manufacturers and/or dealers shall be required to stage a thorough seminar on the subjects Preventive Maintenance and Operator Training. The seminar to be conducted at Division of Highways Equipment Division, Buckhannon, W. Va.

To make the program complete, in addition to the operating and service manuals, booklets and pamphlets explaining the Preventive Maintenance and Operator Training procedures to be used by the operators of this equipment, must include such things as daily prestart inspection procedure, service schedule and routing maintenance required, safety precautions, etc.

Bidder shall attach a copy of the proposed program with his bid, state the time required to perform the program, and briefly describe his program.

NOTE: Vendor should type the Bidder's Evaluation Report

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
EQUIPMENT DIVISION

BIDDER'S EVALUATION REPORT

PROCUREMENT SPECIFICATIONS FOR OPEN END CONTRACT  
NO. 521-1-D

TRAILER MOUNTED ASPHALT KETTLE

NOTE TO BIDDER: Procurement Specification No. 521-1-D, Paragraph 2.0 recommends the completion and submittal of this Report with your bid. Purpose of this Report is to enable the West Virginia Division of Highways Evaluation Committee to make full and fair evaluation of the bid.

FAILURE TO SUBMIT THIS REPORT, COMPLETE IN ITS ENTIRETY, MAY SUBJECT THE BIDDER TO DISQUALIFICATION.

Reference Requisition No.: 707EC006

Bidder's Name: DJL Material & Supply, Inc.

Address: P.O. Box 5293, Akron, OH 44334

Telephone Number: 330-922-3630

Years Bidder has been registered to do business with the State of West Virginia: 12 YRS.

Years Company has been an authorized dealer for proposed unit: 23 YRS.

X4.2 DELIVERY:

X4.2.1 Delivery date of completed representative unit: 45 Calendar Days After Date of Purchase Agreement

X4.2.2 Delivery date of balance of completed units: 55 Calendar Days After Date of Purchase Agreement

## X5.0 AWARD CRITERIA;

X5.1	Prices for unit in quantities of	1-5	<u>28900.00</u>	per unit
		6-10	<u>28900.00</u>	per unit

## X6.0 SPECIFICATIONS - GENERAL

X6.1 Manufacturer, model, series, and date of manufacture of proposed unit:

Crafco E-Z Pour 200 Diesel Melter 2006 UnitIs descriptive literature, fully describing proposed unit attached to your bid?  YES  NO

If not, why? \_\_\_\_\_

X6.2 Will the required number of service manuals, and complete parts list be delivered to the Equipment Division at Buckhannon upon completion of delivery of total units?  YES  NOWill the required Equipment Preventive Maintenance Form (Section X6.2 of Bidders Evaluation Report) be provided upon inspection of the pilot unit?  YES  NO

X6.2  
2-10-00

EQUIPMENT PREVENTATIVE MAINTENANCE QUESTIONNAIRE

THIS FORM MUST BE COMPLETED IN ITS ENTIRETY BY SUCCESSFUL BIDDER OR MANUFACTURER=S TECHNICAL REPRESENTATIVE PRIOR TO DELIVERY OF PILOT MODEL TO THE WVDOH.

DESCRIPTION: \_\_\_\_\_ MAKE: \_\_\_\_\_

MODEL: \_\_\_\_\_ YEAR: \_\_\_\_\_ PURCHASE AMOUNT: \_\_\_\_\_

ENGINE: MAKE: \_\_\_\_\_ MODEL: \_\_\_\_\_ FUEL TYPE: \_\_\_\_\_

HORSEPOWER: \_\_\_\_\_ CYLINDER: \_\_\_\_\_ ENGINE SERIAL: \_\_\_\_\_

COOLING SYSTEM CAPACITY: \_\_\_\_\_

BELTS: DESCRIPTION: \_\_\_\_\_ PART NUMBERS: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

GVW: \_\_\_\_\_ AXLE CAPACITY: FRONT: \_\_\_\_\_ REAR: \_\_\_\_\_

TIRES: FRONT MAKE & SIZE: \_\_\_\_\_

REAR MAKE & SIZE: \_\_\_\_\_

DIMENSIONS OF UNIT: LENGTH: \_\_\_\_\_ WIDTH: \_\_\_\_\_ LENGTH: \_\_\_\_\_

VENDOR CONTACT PERSON: \_\_\_\_\_ PHONE: \_\_\_\_\_

PARTS:

BATTERY MAKE: \_\_\_\_\_ MODEL: \_\_\_\_\_ CCA: \_\_\_\_\_

TOP OR SIDE POST: \_\_\_\_\_ DIMENSIONS: LENGTH \_\_\_\_\_ WIDTH \_\_\_\_\_ HEIGHT \_\_\_\_\_

SPARK PLUGS OR FUEL INJECTORS MAKE: \_\_\_\_\_ PART # \_\_\_\_\_

FUEL PUMP OR INJECTION PUMP MAKE: \_\_\_\_\_ MODEL: \_\_\_\_\_

ALTERNATOR MAKE: \_\_\_\_\_ PART #: \_\_\_\_\_

STARTER MAKE: \_\_\_\_\_ PART #: \_\_\_\_\_

TURBO CHARGER MAKE: \_\_\_\_\_ PART #: \_\_\_\_\_

TRANS. MAKE: \_\_\_\_\_ MODEL: \_\_\_\_\_ AUTO/MANUAL: \_\_\_\_\_

HYDRAULIC PUMP MAKE: \_\_\_\_\_ MODEL: \_\_\_\_\_

FILTERS	MAKE	PART NO.	LUBRICANT	MANUFACTURER TYPE
OIL	_____	_____	ENGINE	_____
AIR INNER	_____	_____	TRANSMISSION	_____
AIR OUTER	_____	_____	POWER STEERING	_____
FUEL PRIMARY	_____	_____	HYDRAULIC	_____
FUEL SECONDARY	_____	_____	DIFFERENTIALS	_____
COOLANT	_____	_____	BRAKE FLUID	_____
HYDRAULIC	_____	_____	COOLANT	_____
OTHER	_____	_____	OTHER	_____

## X6.3 TRAINING:

Will training seminar be conducted on Preventive Maintenance, Operator and Mechanic Training  
 YES  NO

Will you conduct training with each purchase order against this open end contract?  
 YES  NO

Will training be conducted within 2 working days from the delivery of the pilot unit on the individual purchase order?  
 YES  NO

If NO, explain time frame \_\_\_\_\_

Will an Operator's Manual be furnished to the Training Academy?  YES  NO

X6.4 If you are the successful vendor, will you furnish all training aids, i.e., videos, projectors, required in conducting the training?  YES  NO

X6.4.1 Will all manuals, booklets, etc. explaining preventive maintenance, operator procedures, and service schedule be delivered with each unit?  YES  NO  
 If NO, explain \_\_\_\_\_

## X6.5 WARRANTY AND SERVICE POLICY

Will the warranty and service you provide comply with all areas as stated in Section 6.5 of specifications  
 YES  NO

Is warranty literature attached?  YES  NO

## E-Z POUR 200 DIESEL MELTER LIMITED WARRANTY

Crafco, Inc., through its authorized distributor, will replace for the original purchaser free of charge any parts found upon examination by the factory at Mesa, Arizona, to be defective in material or workmanship. This warranty is for a period within 60 days of purchase date, but excludes engine or components, tires, and battery as these items are subject to warranties issued by their manufacturers.

After 60 days, Crafco, Inc., warrants structural parts, excluding heating system, hydraulic components, material pump and hoses, hot oil pump, applicator valves, and electrical components for a period of (1) one year from date of delivery. Crafco, Inc., shall not be liable for parts that have been damaged by accident, alteration, abuse, improper lubrication/maintenance, normal wear, or other cause beyond our control.

The warranty provided herein extends only to the repair and/or replacement of those components on the equipment covered above and does not cover **labor** costs. The warranty does not extend to incidental or consequential damages incurred as a result of any defect covered by this warranty.

All transportation and labor costs incurred by the purchaser in submitting or repairing covered components must be bore by the purchaser.

Crafco, Inc. specifically disavows any other representation, warranty, or liability related to the condition or use of the product.



**WARNING:** Use of replacement parts other than genuine Crafco parts may impair the safety or reliability of your equipment and nullifies any warranty.



# D.J.L. MATERIAL & SUPPLY, INC.

P.O. Box 5293

Akron, Ohio 44334-0293

**Office**

330-922-3630

**Fax**

330-922-8070

## Section 6.5 WARRANTY AND SERVICE POLICY

DJL Material & Supply will not charge any labor rate under the terms of the WARRANTY period.

DJL Stocks parts in several locations (including maintenance vehicles). Parts are available in Akron, OH and Chandler, AZ as well.

DJL Material & Supply will not charge miles during the WARRANTY period.

## X6.5 WARRANTY AND SERVICE POLICY QUESTIONNAIRE

THIS FORM MUST BE COMPLETED IN ITS ENTIRETY BY THE SUCCESSFUL BIDDER OR MANUFACTURERS TECHNICAL REPRESENTATIVE PRIOR TO DELIVERY OF PILOT MODEL TO THE WVDOH (If additional lines are needed, make copies of form.)

1. Define the terms of the standard warranty. If not offered, so state. (Attach copy)

2. Define warranty service to be performed at DOH facilities and warranty service to be performed at manufacturer's representative facility. List name and location of manufacturer's representative.

3. List locations for parts inventories that are within the State of West Virginia. Also, list availability levels, if known.

4. During the term of warranty, list the guarantee discount to manufacturer's published list price for parts that bidder will sell the parts to owner.

- |    |               |                                                            |
|----|---------------|------------------------------------------------------------|
| A. | Terms: Net 30 | Manufacturer's published list price less: _____ % discount |
| B. | Terms: Net 60 | Manufacturer's published list price less: _____ % discount |
| C. | Terms: Net 90 | Manufacturer's published list price less: _____ % discount |

5. During the term of warranty, will all manufacturers or engineering improvements be submitted to Division of Highways? \_\_\_\_\_ YES \_\_\_\_\_ NO

6. During the term of warranty, list the guaranteed rates charged for repair to the unit.

- |    |                                                         |                                                          |
|----|---------------------------------------------------------|----------------------------------------------------------|
| A. | Shop Rate                                               | \$ _____ per mechanic hour                               |
| B. | Travel Time Charge<br>(Specify if one-way)              | \$ _____ per mechanic hour<br>_____ ; port to port _____ |
| C. | Mileage Charge<br>(Specify if one-way)                  | \$ _____ per vehicle mile<br>_____ ; port to port _____  |
| D. | Field Mechanic Rate                                     | \$ _____ per mechanic hour                               |
| E. | Specify period of time that prices are in effect: _____ |                                                          |
| F. | Surcharge for miscellaneous items: _____ %              |                                                          |

## X6.6 EVALUATION COMMITTEE REQUIREMENTS

Is all component specifications, product literature, component models provided for Evaluation Committee bid determination?  YES  NO

X6.7 Will all parts, equipment, accessories, material, design and performance characteristics not specified herein, but which are necessary to provide a complete unit, be furnished with the unit and conform in strength, quality of material, and quality of workmanship to those which are advertised and provided to the market in general by the unit industry?  YES  NO

X6.7.1 Are all parts and accessories adequate and regularly supplied as standard to be included except those which may be duplications of specifications herein, and except these by specification are not to be furnished?  YES  NO

X6.7.2 Are all standard safety features that are required by Federal and State statutes of law included?  YES  NO

## X7.0 SPECIFICATIONS OF THE QUOTED UNIT

The bidder should complete the following schedule in order for the Division to compare the actual bid unit to the specifications. Should the bidder except a requirement, then such exception may be only on the basis that such feature is not offered by the manufacturer. The Division will have the sole discretion as to whether the bidder's substitution meets the requirements of the specifications.

Manufacturer: Crafco, Inc. Model: EZ Pour 200

Is unit capable of heating and applying, without further modifications, all grades of asphalt rubber sealants, specification joint sealants, and fiber modified sealants?  YES  NO

Is the machine capable of starting at ambient temperature and bring sealant material application temperature within one (1) hour?  YES  NO

Will you have and maintain a complete inventory of repair parts and have experienced service personnel available to service the equipment?  YES  NO

## X8.0 Frame:

X8.1 Is the unit trailer mounted?  YES  NO

Is the tongue equipped with a 2 ½ inch pintle hitch?  YES  NO

The center is 26.5 inches from the nearest obstruction on the tongue.

X8.1.2 The trailer tongue is adjustable in height above ground level from 14 inches to 32 inches.

Will level towing be permitted with a variety of towing vehicles?  YES  NO

- X8.1.3 Is the towing hitch bolted to the hitch plate for easy height adjustment and/or conversion to other type hitches?  YES  NO
- X8.1.4 Are longitudinal side frames and tongue members one (1) continuous piece construction?  YES  NO
- X8.1.5 Is the configuration of the channels cold formed with the flanges on the outside resulting in a one (1) piece frame member with no cross welding of or on the flanges to avoid any possibility of flange stress cracking?  YES  NO

X8.2 Trailer:

- X8.2.1 Is the unit equipped with dual axle; each axle having a safe load capacity of 3500 lbs.?  YES  NO
- X8.2.2 Are axles equipped with four (4) underslung multi-leaf springs or torsion type  YES  NO
- X8.2.3 Is the unit equipped with electric brakes and safety break-away switch?  YES  NO
- X8.2.4 Are wheels drop center steel disc type?  YES  NO
- X8.2.5 Tire Size: ST205/75R14 Type: Tubeless Load Range: C
- X8.2.6 Is a tongue jack provided?  YES  NO
- Tongue jack capacity: 7000 lbs. Side mounted?  YES  NO
- X8.2.7 Does trailer tongue include two ( ) safety chains?  YES  NO
- Length: 48 inches of 3/8 inch coil proof
- X8.2.8 Total weight of unit (less material in tank): 4000 lbs.

X8.3 Lights:

- X8.3.1 Does unit have dual taillights, stop lights, right and left turn signals?  YES  NO
- X8.3.2 Is license plate holder attached to the left rear taillight?  YES  NO
- X8.3.3 Lighting plug manufacturer and part number: Cole Hersee 12081

X8.4 Heating Tank:

- X8.4.1 Capacity: 200 U.S. gallons at ambient temperature.
- X8.4.2 Does unit have a double boiler type jacket which creates a reservoir?  YES  NO
- Reservoir holds 27 U.S. gallons of heat transfer oil at 70°

- X8.4.3 Does the jacket wrap around 100% of the outside area of the circular material tank and allow for complete circulation of the heated transfer oil?  YES  NO
- X8.5 Loading Hitch:
- X8.5.1 Is a low profile opening for loading of material at the top of the tank located on the curb side of the unit for operator safety provided?  YES  NO
- X8.5.2 Loading height 56 inches.
- X8.5.3 The opening provides 380 square inches ( 16 inch x 24 inch) capable of accepting blocks of material.
- X8.5.4 Is lid hinged and have a shelf to put material on to provide anti splash loading?  
 YES  NO  
 Is there a locking pin?  YES  NO
- X8.5.5 Is heating tank adequately insulated?  YES  NO  
 Is insulation 1 1/2 inch thick high temperature ceramic?  YES  NO  
 If NO, explain \_\_\_\_\_  
 Covered by 22 gauge steel outer wrapper.
- X8.5.6 Is a cold seal tank provided to minimize oil oxidation and prevent moisture condensation into the heat transfer oil?  YES  NO
- X8.6 Heating:
- X8.6.1 Heat transfer oil heated by high efficiency forced air diesel fired burner directly to the bottom of the heat transfer oil tank.  YES  NO
- X8.6.2 Total area exposed to the burner: 6560 square inches ( 45.5 sq. ft.)
- X8.6.3 Material tank has 5708 square inches (39.6 sq. ft.) of contact with the heat transfer oil.
- X8.6.4 Is the heating oil continuously circulated by means of a hydraulically driven gear pump?  
 YES  NO 1.1 U.S. gallons per minute in  
 order to provide a melt rate of 1700 lbs. per hour.
- X8.6.5 Is burner lighted via a constant duty high voltage transformer powering an electric spark igniter?  
 YES  NO
- X8.6.6 Does the ignition work in conjunction with a sensor that will detect a lack of burn or ignition and shut down fuel supply?  YES  NO

X8.6.7 Is the thermostatic control located on the curbside of the machine for operator safety?  
 YES  NO

X8.7 Pumping Unit and Piping:

X8.7.1 Material pump is 2 inch Type of gear pump: Helical

Is it quiet in operation with equal efficiency in either direction of rotation?  
 YES  NO

X8.7.2 Is the pump hot oil jacketed for rapid heating by being piped in series with the heat transfer oil circulation pump?  
 YES  NO

X8.7.3 Is all piping and material valve heated by enclosure within the heating chamber?  
 YES  NO

X8.7.4 Is a "T" pipe incorporated into the material plumbing system that will allow for the optional connection of a "molasses" valve for filling pour pots with or without utilizing the applicator hose?  
 YES  NO

X8.7.5 Are control handles for opening and closing the recirculating valve, applicator valves, and main tank valve located outside the heating chamber at the rear curb side of the unit for both operator convenience and protection from handling excessively hot control handles?  
 YES  NO

X8.8 Hose Heating Chamber:

X8.8.1 Is the unit, heating chamber, and wand designed and constructed that under normal day-to-day operation no clean out procedure is required?  
 YES  NO

X8.8.2 Are provisions made to attach air hoses for compressed air cleaning after using exceptionally thick and heavy sealants or when preparing the unit for long periods of storage?  YES  NO

X8.8.3 Is the hose heating chamber equipped with a temperature gauge to insure proper regulation of temperature to hose and application wand while in heating chamber?  YES  NO

X8.8.4 Is an adjustable damper installed over the flue vent for the heating chamber?  
 YES  NO

X8.8.5 Are hose and applicator wand storage racks with drains in the floor incorporated in the heating chamber?  
 YES  NO

X8.8.6 Are doors and side walls 100% insulated?  
 YES  NO

X8.8.7 Are hinged doors lockable and designed to overlap and interconnect?  YES  NO

X8.8.8 Are provisions made for operation of applicator hose while doors remain closed to insure continuous heating of piping extraneous to the material tank?  YES  NO

X8.9 Temperature Control:

X8.9.1 Does the melter applicator have a temperature control device with a high temperature limit switch which will automatically shut off the burner if the heat transfer oil reaches 575°F?  YES  NO

Forced air diesel fuel burner rated at 290000 BTU

X8.9.2 Does the unit provide two (2) dial type temperature gauges to visually indicate actual temperature of heat transfer oil and material temperature?  YES  NO

Are gauges located on top curbside of the unit?  YES  NO

X8.9.3 Is a third temperature gauge located at the discharge side of the material pump to positively identify sealant temperature just prior to placement?  YES  NO

X8.9.4 Does the melter have infinite control of temperature for the broad range of sealants to be applied?  YES  NO

X8.10 Agitation:

X8.10.1 Is the sealant material mixed by a hydraulically driven full sweep vertical agitator with two (2) opposing horizontal paddles with vertical riser attached to extreme ends?  YES  NO

X8.10.2 Does the agitation feature insure that hot material stays in the lower area of the tank and does not get splashed or thrown to the upper areas of the tank where build up can occur?  YES  NO

X8.10.3 Does the agitator rotate in either direction with infinite speed control?  YES  NO

X8.11 Engine:

Manufacturer: Isuzu Model: \_\_\_\_\_

Type: Diesel

X8.11.1 Engine HP: 25.4

X8.11.2 Is engine electric start and equipped with engine manufacturers recommended maintenance free battery and charging system?  YES  NO

X8.11.3 Is engine equipped with manufacturers heavy duty oil and air filter system?  YES  NO

X8.11.4 Is the diesel engine water cooled?  YES  NO

- X8.11.5 Is cooling system capable of maintaining the engine temperature within the manufacturers recommended temperature range during continuous operation under maximum speed and load combinations?  YES  NO
- X8.11.6 Is coolant system filled with permanent type anti-freeze rated to a minus 40°F.  YES  NO
- X8.11.7 Is engine equipped with manufacturers recommended mechanical governor?  YES  NO
- X8.11.8 Engine noise level at a distance of 6 feet from the unit while in operation: minus 85 dba
- X8.11.9 Fuel tank for operation of diesel engine and burner: 32 U.S. gallons
- X8.12 Sealant Hose and Applicator Wand:
- X8.12.1 Inside diameter of hose: 1 inch Length: 20 feet
- X8.12.2 Is hose insulated, rubber coated, steel braid reinforced and neoprene lined?  YES  NO
- X8.12.3 Is hose specifically manufactured for handling of all petroleum based products up to temperatures of 400°F at 300 PSI work pressure?  YES  NO
- X8.12.4 Does hand applicator have two (2) insulated handles; one (1) of which is connected to a quarter turn ball valve used to control flow of material?  YES  NO
- X8.12.5 Does applicator wand disconnect at center allowing for storage in the heat chamber?  YES  NO
- X8.12.6 Is there a variety of nozzles provided and attachable to the applicator wand?  YES  NO
- X8.13 Shoe Box:
- X8.13.1 Is an external box supplied capable of holding and recirculating a wand tip or shoe of at least six inches (6") in diameter?  YES  NO
- X8.13.2 Is a locking device incorporated that will lock the hand wand to the "shoe box" or the re-circulating tube?  YES  NO

X8.14 Paint: (Describe the method of painting)

Dupont 2 Part Epoxy - Certified

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Dupont Installers

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X8.15 Does the proposed unit meet or exceed the "OSHA of 1970" and/or subsequent changes?  
 YES  NO

X8.16 Does the unit conform to the advertising guidelines? (Describe)

As Specified

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X8.17 Training:

X8.17.1 Will preventative maintenance and operator's training seminar be provided?  
 YES  NO

X8.17.2 Will all manuals, booklets, etc. explaining preventive maintenance, operator procedures, and service schedule be delivered with each unit?  
 YES  NO If NO, explain \_\_\_\_\_

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X8.17.3 Is proposed program attached with bid?  YES  NO



State of West Virginia  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

# Request for Quotation

RFQ NUMBER:  
**707EC006**

PAGE:  
**1**

ADDRESS CORRESPONDENCE TO ATTENTION OF:  
**JOHN JOHNSTON  
 304-558-2402**

VENDOR

RFQ COPY  
 TYPE NAME/ADDRESS HERE

SHIP TO

**DIVISION OF HIGHWAYS  
 EQUIPMENT DIVISION  
 ROUTE 33  
 BRUSHY FORK ROAD  
 BUCKHANNON, WV  
 26201 304-472-1750**

DATE PRINTED <b>09/25/2006</b>	TERMS OF SALE <b>Net 30</b>	SHIP VIA <b>Reg</b>	F.O.B. <b>WVDH</b>	FREIGHT TERMS <b>No Cost</b>
BID OPENING DATE: <b>10/04/2006</b>		BID OPENING TIME <b>01:30PM</b>		

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 1						
CHANGES TO THE SPECIFICATIONS PER THE ATTACHED.						
BID OPENING DATE AND TIME REMAINS THE SAME.						
NO OTHER CHANGES.						
0001	1	EA		370-33	28900.00	28900.00
TRAILER MOUNTED ASPHALT KETTLE						
***** THIS IS THE END OF RFQ 707EC006 ***** TOTAL:						28900.00

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>[Signature]</i>	TELEPHONE <b>330-922-3630</b>	DATE <b>Oct 2, 2006</b>
TITLE <b>Vice President</b>	FEIN <b>34-1318958</b>	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

**GENERAL TERMS & CONDITIONS  
REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)**

1. Awards will be made in the best interest of the State of West Virginia.
2. The State may accept or reject in part, or in whole, any bid
3. All quotations are governed by the *West Virginia Code* and the *Legislative Rules* of the Purchasing Division.
4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125.00 registration fee.
5. All services performed or goods delivered under State Purchase Orders/Contracts are to be continued for the term of the Purchase Order/Contract, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
6. Payment may only be made after the delivery and acceptance of goods or services
7. Interest may be paid for late payment in accordance with the *West Virginia Code*.
8. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seiler.
11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract
12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
13. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, this contract is automatically null and void, and is terminated without further order.
14. **HIPAA Business Associate Addendum** - The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vrc/hipaa.htm>) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Covered Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.

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**INSTRUCTIONS TO BIDDERS**

1. Use the quotation forms provided by the Purchasing Division.
2. **SPECIFICATIONS:** Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Complete all sections of the quotation form.
4. Unit prices shall prevail in cases of discrepancy.
5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
6. **BID SUBMISSION:** All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications.

**SIGNED BID TO:**

Department of Administration  
Purchasing Division  
2019 Washington Street East  
Post Office Box 50130  
Charleston, WV 25305-0130

ADDENDUM #1  
707EC006

OPEN END CONTRACT  
TRAILER MOUNTED ASPHALT KETTLE

CHANGES TO SPECIFICATIONS:

FROM:

- 4.0 REPRESENTATIVE UNIT FOR TEST (2<sup>nd</sup> Sentence)  
If requested, the time period for testing and evaluation shall be seven (7) calendar days following receipt of the unit.

TO:

- 4.0 REPRESENTATIVE UNIT FOR TEST (2<sup>nd</sup> Sentence)  
If requested, the time period for testing and evaluation shall be seven (7) working days following receipt of the unit.

FROM:

- 4.2 DELIVERY (3<sup>rd</sup> Paragraph)  
A completed pilot model for inspection must be provided within 45 calendar days after the date of the purchase agreement by the successful vendor

TO:

- 4.2 DELIVERY (3<sup>rd</sup> Paragraph)  
A completed pilot model for inspection should be provided within 45 calendar days after the date of the purchase agreement by the successful vendor.

FROM:

- 8.2.8 Total weight of unit (less material in tank) to be approximately 3,500 lbs

TO:

- 8.2.8 Total weight of unit (less material in tank) to be no less than 3,500 lbs.

FROM:

- 8.6.2 Total area exposed to the burner should be a minimum of 6,560 square inches (45.5 square feet)

TO:

- 8.6.2 Total area exposed to the burner shall be a minimum of 6,560 square inches (45.5 square Feet)

707EC006

Page 2

FROM:

8.6.3 The material tank should have a minimum of 5,708 square inches (39.6 square feet) of contact with the heat transfer oil.

TO:

8.6.3 The material tank shall have a minimum of 5,708 square inches (39.6 square feet) of contact with the heat transfer oil.

FROM:

8.11.6 Coolant system shall be filled with permanent type anti-freeze rated to a minus 40° F

TO:

8.11.6 Coolant system shall be filled with permanent type Dex-Cool extended life or equal anti-freeze rated to a minus 34° F.

FROM:

8.11.9 Unit should provide a minimum 30 U.S. gallon fuel tank for operation of diesel engine and burner.

TO:

8.11.9 Unit shall provide a minimum 30 U.S. gallon fuel tank for operation of diesel engine and burner.

ADDENDUM #1  
707EC006

OPEN END CONTRACT  
TRAILER MOUNTED ASPHALT KETTLE

CHANGES TO BIDDER'S EVALUATION REPORT:

- X4 0 REPRESENTATIVE UNIT FOR TEST – NO CHANGE REQUIRED
- X4.2 DELIVERY OF COMPLETED REPRESENTATIVE UNIT – NO CHANGE  
REQUIRED
- X8 2 8 NO CHANGE REQUIRED
- X8.6.2 NO CHANGE REQUIRED
- X8 6 3 NO CHANGE REQUIRED
- FROM:  
X8 11.6 Is coolant system filled with permanent type anti-freeze rated to a minus 40°F
- TO:  
X8 11.6 Is coolant system filled with permanent type Dex-Cool extended life (or equal)  
anti-freeze rated to a minus 34°F.
- X8.11 9 NO CHANGE REQUIRED



420 N. ROOSEVELT AVE. • CHANDLER, AZ 85226 • WWW.CRAFCO.COM  
(602) 276-0406 • (800) 528-8242 • MAIN FAX (480) 961-0513  
CUSTOMER SERVICE FAX (480) 940-1425 • SALES FAX (480) 940-0313

## Facsimile Transmittal

**To:** DJL MATERIAL **Fax:** (330) 922-8070

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**From:** Tom Kelly **Date:** 9/28/2006

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**Re:** West Virginia Melter Bid **Pages:** 1

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**CC:**

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Urgent     For Review     Please Comment     Please Reply     Please Recycle

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### Notes:

Crafco continually works to improve the equipment we produce. Several years ago we performed efficiency evaluation on all of our melters' fuel consumption. During this research we determined that we were not fully utilizing all of the burner BTU output. It was determined that at maximum efficiency the appropriate BTU setting for the burner should be 290,000 BTU/hour. Above that 100% of any increase in burner BTU will exhaust from the machine's vent stack.

The Burner is fully capable of being adjusted to the 372,000 BTU/ hour stated in this bid specification. However at that adjustment the fuel consumption will increase with no benefit to the heat up time or operation of the unit.

N. Thomas Kelly  
Sales Manager  
Crafco, Inc.

**Supply Center**  
**Sealant Manufacturing**  
1680 E. Race St.  
Allentown, PA 18109  
(610) 264-7541  
FAX (610) 266-1871

**Sealant Manufacturing**  
6975 W. Crafco Way  
Chandler, AZ 85226  
(602) 276-0476  
FAX (480) 961-4772  
FAX Shipping (480) 961-3767

**Supply Center**  
14142 Whittram Ave.  
Fontana, CA 92335  
(909) 822-6822  
FAX (909) 822-2762

**Sealant Manufacturing**  
121 Industrial Park Rd  
Halls, TN 38040  
(731) 836-5002  
FAX (731) 836-9763

**Supply Center**  
**Equipment Manufacturing**  
235 S. Hibbert  
Mesa, AZ 85210  
(480) 655-8333  
FAX (480) 655-1712

**Supply Center**  
2224 NE Argyle St.  
Portland, OR 97211  
(503) 284-4330  
FAX (503) 284-1227

**Geo-Composite**  
**Manufacturing**  
105 May Dr.  
Harrison, OH 45030  
(513) 367-3772



## SPECIFICATIONS FOR 200 GALLON DIESEL FUELED MELTER APPLICATOR

420 N. Roosevelt Ave. • Chandler AZ 85226  
1-800-528-8242 • (602) 276-0406 • FAX (480) 961-0513  
www.crafco.com

MAY 2005

### GENERAL

The purpose of this specification is to 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 sealants and specification joint sealants without any further equipment modification. This unit shall be the manufacturer's current production model. The machine shall be capable of starting at ambient temperature and bringing the sealant material up to application temperature in one hour or less. All qualified bidders must have and maintain a complete inventory of repair parts and have experienced, factory-trained service personnel for this equipment. A comprehensive safety manual shall be supplied with each unit. A factory-trained person shall be made available for initial start-up and training in the operation of the melter. The material should be heated in a kettle or melter constructed as a double boiler, with space between the inner and outer shells filled with oil or other heat-transfer medium. Thermostatic control for the heat-transfer medium shall be provided and shall have sufficient sensitivity to maintain sealant temperature within the manufacturer's specified application temperature range. Temperature indicating devices shall have intervals no greater than 5°F(2.8°C) and shall be calibrated as required to assure accuracy. The melter shall have continuous sealant agitation and a mixing system to provide uniform viscosity and temperature of material being applied. If equipped with an application system to deliver sealant to the pavement, the melter shall incorporate a recirculation pump or other means of maintaining sealant temperature in the delivery system. Sealant that has been damaged due to overheating, reheating or prolonged heating may experience poor adhesion, softening or bleeding, difficult application or jelling in the melter.

### TOWING FRAME AND JACK

This unit shall be trailer mounted. The longitudinal side frames and tongue members of the trailer shall be of one continuous piece construction composed of hot rolled steel channel having the minimum dimensions of 5 inches (12.7 cm) web, 3/16 inch (.48 cm) thickness with 1 3/4 inch (4.4 cm) flanges. The configuration of the channels shall be cold formed with the flanges on the outside resulting in a one-piece frame member with no cross welding of or on the flanges to avoid any possibility of flange stress cracking. The tongue shall be equipped with an appropriate heavy duty ball or 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 height adjustment and/or conversion to other type hitches. A screw-post tongue jack shall be furnished. It shall be a heavy duty type with a load capacity of 7,000 pounds (3175 kg) and it shall be side mounted and swing away for positive road clearance while under tow.

### RUNNING GEAR

The unit shall be equipped with dual torsional axles, each axle to have a safe load capacity of 3,500 pounds (1,588 kg), 2¼ inch (5.7 cm) by 10 inch (25.4 cm) electric brakes, four modular wheels and ST205/ 75R14 tubeless tires (Load Range C). The melter shall have dual taillights, stop lights and turn signals. A license plate holder shall be attached to the driver's side taillight. All melter fluid tanks shall be positioned no lower than the deck level and be mounted on top of the channel frame members to assure proper ground clearance. The unit shall also be equipped with two safety chains not less than 48 inches (121.9 cm) of 3/8 inch (.95 cm) coil proof chain, attached to the tongue with a 9/32" (.71cm) shackle connecting link on the end attached to the frame and screw type clevis pin on the opposite end. Total shipping weight is approximately 4,000 pounds (1,814 kg).

### HEATING TANK

The material heating tank shall be minimum of 46 inches (116.8 cm) in diameter by 28½ inches (72.4 cm) deep having a capacity of 205 gallons (776 l) at ambient temperature. A double boiler type jacket shall create a reservoir which shall hold a minimum of 27 gallons (102.2 l) of heat transfer oil at 70°F(21.1°C). (Note: At 500°F (260°C) the heating oil will expand approximately 18%.) The jacket shall wrap around 100% of the outside area of the circular material tank and allow for complete circulation of the heated transfer oil. The tank and jacket shall be made of 3/16 inch (.48 cm) hot rolled sheet steel minimum. There shall be a 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 cold seal expansion tank for heat transfer oil shall be provided to minimize oil oxidation and prevent moisture condensation into the heat transfer oil.

### **INSULATION**

The heating tank shall be insulated with a minimum of 1 ½ inch (3.8 cm) thick high temperature ceramic insulation and covered by a 22 gauge (.08 cm) steel outer wrapper. Fiberglass and rock wool insulations are unacceptable due to their moisture retention properties resulting in a significant loss of their insulating value.

### **LOADING HATCH**

A low profile angled lid 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 exceed 56 inches (142 cm) which will allow the operation of the equipment, sealant loading, from curbside. Loading systems that require the operator to step onto the melter are unacceptable. The opening shall have a minimum area of 380 square inches (2,477.4 square cm) approximately 16 inches (40.6 cm) by 24 inches (60.9 cm) and shall be hinged to allow placement of a block of sealant onto it to simply close the lid for easy, anti-splash loading. There shall be a locking pin to secure the lid during transport.

### **HEATING SYSTEM**

One 12 volt 290,000 BTU high efficiency forced air diesel fired burner directly to the bottom of the heat transfer oil tank heats the heat transfer oil. The total area exposed to the burner shall be a minimum of 6,560 square inches (42,322.5 square cm) or 45½ square feet (4.2 square m). The material tank shall have a minimum of 5,708 square inches (36,825.7 square cm) or 39.6 square feet (3.7 square m) of contact with the heat transfer oil. The oil shall be continuously circulated by means of a hydraulically driven gear pump at 1.1 gallons (4.2 l) per minute to provide consistent and uniform transfer of heat to the material tank. This provides for a melt rate of a minimum of 1,700 pounds (771.2 kg) per hour.

### **IGNITION OF BURNER**

The burner shall be lit by a constant duty high voltage transformer powering an electric spark igniter. This igniter shall work in conjunction with a sensor that detects a lack of burn or ignition and shuts down the fuel supply. The controls for ignition shall be incorporated into the thermostat control located on the curbside of the machine for operator safety.

### **TEMPERATURE CONTROL**

The melter applicator shall have a thermostatic control device that will automatically regulate hot oil temperature. A high temperature limit switch will automatically shut off the burner if the heat transfer oil reaches 600°F (315.5°C). Two dial type temperature gauges visually indicate actual temperature of heat transfer oil and material and are located on the top curbside of the unit. A third temperature gauge shall be located at the discharge side of the material pump to positively show the sealant temperature just prior to placement. The thermostat shall control burner ignition for a temperature range from a low of 200°F (93.3°C) up to a high of 425°F (218.3°C) for a wide variety of sealants.

### **DRIVE AND DRIVE CONTROLS**

The motive force to the agitator and the material pump shall be hydraulic motors driven by a single hydraulic pump. The drive controls governing the speed and rotation direction of the agitator and material pump shall be by independent 3-way hydraulic valves with pressure compensated flow control spools located at the rear curbside of the machine. The reversing ability of the material pump allows material to be pumped back through all extraneous piping and into the material tank so as to leave all lines clean and unobstructed when cooling and to facilitate start-up upon subsequent use.

### **AGITATION**

The sealant material shall be mixed by a hydraulically driven full sweep vertical agitator with two opposing horizontal paddles with vertical risers attached to the extreme ends. This feature insures 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 where it can collect and build up. The agitator shall rotate in either direction with infinite speed control.

### **PUMPING UNIT AND PIPING**

The material pumping unit shall be a 2 inch (5.1 cm) positive displacement helical gear pump, quiet operating with equal efficiency in either direction of rotation. The pump shall be hot oil jacketed for fast heating by being piped in series with the heat transfer oil circulation pump. All piping shall be no less than 2 inches (5.1 cm) in diameter. The piping and material valves shall be heated by enclosure within the heating chamber. A "T" pipe shall be incorporated into the material plumbing system that will allow for the optional connection of a valve for filling pour pots with or without utilizing the applicator hose. The control handles for opening and closing the recirculation valve, applicator valves, and main tank valve shall be located outside the heating chamber at the rear curb side of the machine for both operator convenience and protection from handling excessively hot control valve handles. A return portal shall be constructed to facilitate the recirculation of sealant through the piping and sealant hose then back to the tank. The portal shall allow the operator to place and withdraw the delivery wand from ground level. A second recirculation return portal, also accessible from ground level, shall also be constructed to allow for a maximum of a 6 inch (15.2 cm) sealing disc. A locking device shall also be incorporated that will lock the hand wand to the shoebox or the recirculating tube.

### **SEALANT HOSE AND APPLICATOR WAND**

Hose should be one inch (2.5 cm) inside diameter and not less than 20 feet (6.1 m) in length, insulated, rubber coated, steel braid reinforced and neoprene lined. The hose is specifically manufactured for handling all petroleum based products up to temperatures of 400°F (204°C) at 350 psi working pressure. Hot oil jacketed sealant delivery hoses are unacceptable. The hand applicator shall be constructed of steel with sufficient strength to withstand normal day-to-day operation. It shall have two insulated handles, one of which is connected to a quarter turn ball valve used to control flow of material. The applicator wand shall disconnect in the center allowing for easy storage in the heat chamber. A variety of nozzles must be available and attachable to the applicator wand. The connection between the hose and applicator is made through a 360° swivel.

### **HOSE HEATING CHAMBER**

The machine, heating chamber, and wand shall be so designed and constructed that under normal day-to-day operations no clean out procedure is required, thereby eliminating the use of hazardous, volatile cleaning solvents and the associated conformity to EPA standards for their disposal. Provision shall be made to attach air hoses for compressed air cleaning after using exceptionally thick and heavy sealants or when preparing the machine for a period of time in storage. Hose heating chamber shall be equipped with a temperature gauge to insure proper regulation of temperature to hose and application wand while in heating chamber. An adjustable damper will be furnished over the flue vent for the heating chamber. Incorporated in the heating chamber are hose and applicator wand storage racks with drains in the floor. Doors and sidewalls are to be 100% insulated. Hinged doors should be lockable and designed to overlap and interconnect and provision shall be made for operation of applicator hose while doors remain closed to insure continuous heating of piping extraneous to the material tank.

### **ENGINE**

The unit shall be equipped with a 25.4 HP (18.94 kw) @ 3000 RPM Isuzu diesel engine complying with the following specifications:

- Electric Start
- Water Cooled
- 3.14" (79.7 mm) Stroke
- 22 to 1 Compression Ratio
- Three Cylinders
- 68.6" (1.12l) Displacement
- 3.05" (77.4 mm) Bore
- Full Flow Oil Filter
- Constant Speed Mechanical Governor
- 1.12 l Displacement

### **NOISE LEVEL**

At an average of 6 feet (1.8 m) from the unit, the noise level shall be a maximum of 85 D.B.A.

**FUEL CAPACITY**

The melter shall have a 32 gallon (121 l) diesel fuel tank for operation of diesel engine and burner. The unit will be capable of operating a minimum of one full working day on one tank of fuel.

**PAINT**

All painted surfaces shall be coated with DuPont two-part epoxy paint applied by DuPont certified painters.

**OPTIONS (X if to be included:)**

- 2 5/16 inch Ball Hitch
- 3 inch Applicator Disk
- 2 1/2 inch Pintle Hitch
- 1/2 inch Round Sealing Tip
- 3 inch Pintle Hitch
- V-shaped Squeegee (Qty. \_\_\_\_)
- Extra Applicator Hose
- Extra Hydraulic Filter
- Lockable Battery Box
- Lockable Engine Cover
- Fire Extinguisher
- Tool Box
- Strobe Light
- Flash Bar
- Self-Propelled Power Wheel
- Auto Loader

**TRAINING**

An authorized, factory-trained 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. The CD manual 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.

**SAFETY AND TRAINING MANUALS**

A written Safety Manual will be provided to the bidding agency.

**PARTS**

Bidders must show proof that a large stock of parts for the model of equipment upon which he is bidding is maintained at his facility.

**AWARD**

Equipment is for use by the Highway Department and must meet the requirements of that agency as interpreted by the Highway Commissioner. Prior to award the Purchasing Agency may require a visit to the supplier's facility to assure supplier has plant capacity to manufacturer and deliver equipment on time as required. If it is determined that the supplier cannot supply as requested, this is just cause for cancellation.

**WARRANTY**

The manufacturer shall warranty the equipment for one year or as otherwise noted in the manufacturer's standard warranty policy.

**QUALIFICATIONS OF BIDDERS**

No bid will be considered unless the bidder can meet the following conditions:

1. That it has in operation a parts/service location and keeps a sufficient stock of parts on hand at all times.
2. That it is bidding upon the stock model chassis that meets the requirements of the specifications without material changes or modifications. The model is regularly advertised and sold as having a capacity of not less than called for herein. The bidder has been engaged in the manufacture of equipment of the type bid upon for at least twenty-four months.

**APPROVED EQUAL**

These specifications are not intended to be restricted, but are meant to describe the kind and size of unit desired to be purchased in detail. If a bidder is basing his proposal on other equipment than what is specified in these bid documents and wishes the equipment he proposed to be considered as an "approved equal," he will submit on a separate sheet, attached to the Technical Specifications contained herein, an item by item description of that which he proposes. For purposes of comparison, include only those items on each sheet as given in these Technical Specifications. Such bidders shall also include, but not as a substitute for the above, any manufacturer's literature or specifications. In addition, if the bidder takes exception to any item, he will note the item and describe in detail the exception and how his proposal is an "approved equal". Failure to carry out the provisions noted herein may be deemed sufficient reason to reject the bidder's proposal.

# D.J.L. MATERIAL & SUPPLY, INC.

P.O. Box 5293

Akron, Ohio 44334-0293

**Office**

330-922-3630

**Fax**

330-922-8070

## X8.17.3 Program

DJL Material & Supply will provide free training for the WVDH employee's, from technical advisors and the use of videos. The program will also include on the job training (field work), as well as safety training. The program lasts about eight (8) hours, and a second day of training is also provided if requested.

# A F F I D A V I T

**West Virginia Code §5A-3-10a states:**

No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owned is an amount greater than one thousand dollars in the aggregate.

**DEFINITIONS:**

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions.

"Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

**EXCEPTION:**

The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

**LICENSING:**

The vendor must be licensed in accordance with any and all state requirements to do business with the state of West Virginia.

**CONFIDENTIALITY:**

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendors should visit [www.state.wv.us/admin/purchase/privacy](http://www.state.wv.us/admin/purchase/privacy) for the Notice of Agency Confidentiality Policies.

Under penalty of law for false swearing (West Virginia Code, §61-5-3), it is hereby certified that the vendor acknowledges the information in this said affidavit and are in compliance with the requirements as stated.

Vendor's Name: DJL Material & Supply, Inc.

Authorized Signature: \_\_\_\_\_

Date: 10-02-2006