



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

RFQ COPY

TYPE NAME/ADDRESS HERE

VENDOR

**Stopp Mfg. Co., Inc.**  
 42425 River Road  
 North Branch, MN 55056

SHIP TO

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

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
08/24/2006				
BID OPENING DATE		BID OPENING TIME		
10/04/2006		01:30PM		

LINE	QUANTITY	UOP.	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	EA		370-33	36,645.00	36,645.00
TRAILER MOUNTED ASPHALT KETTLE  OPEN END CONTRACT  TO PROVIDE TRAILER MOUNTED ASPHALT KETTLE AS DESCRIBED IN ATTACHED PROCUREMENT SPECIFICATION 521-1-D.  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.  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  QUESTIONS MAY BE SENT VIA FAX, E-MAIL, OR REGULAR MAIL. E-MAIL: JJOHNSTON@WVADMIN.GOV FAX: 304-558-4115  IT IS THE VENDORS RESPONSIBILITY TO VERIFY THAT THEIR QUESTIONS HAVE BEEN RECEIVED BY CALLING 304-558-2402.  EXHIBIT 2  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						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Bruce...</i>	TELEPHONE 651-674-4491	DATE 9-28-06
TITLE Vice President-Sales	FEIN 41-1288643	ADDRESS CHANGES TO BE NOTED ABOVE

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

**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 seller.
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



State of West Virginia  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
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**request for  
 Quotation**

RFQ NUMBER
707EC006

PAGE
2

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

RFQ COPY  
 TYPE NAME/ADDRESS HERE

VENDOR

SHIP TO

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

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
08/24/2006				
BID OPENING DATE		BID OPENING TIME		
10/04/2006		01:30PM		

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>TIME" THE VENDQR 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 SUPPLIES 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	DATE
<i>[Signature]</i>	651-674-4491	9-28-06
TITLE	FAX	ADDRESS CHANGES TO BE NOTED ABOVE
Vice President-Sales	41-1288643	

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



SEP. 12. 2006 11:46AM West Virginia DIV OF PURCHASING  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

# Request for Quotation

RFQ NUMBER	NO. 1730	P. 4/48
707EC006		3

ADDRESS CORRESPONDENCE TO ATTENTION OF
JOHN JOHNSTON 304-558-2602

RFQ COPY  
 TYPE NAME/ADDRESS HERE

VENDOR

SHIP TO

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

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
08/24/2006				
BID OPENING DATE		BID OPENING TIME		
10/04/2006		01:30PM		

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>[Signature]</i>	TELEPHONE 651-674-4491	DATE 9-28-06
FLEX WEST VIRGINIA SALES	FEIN 41-1288643	ADDRESS CHANGES TO BE NOTED ABOVE

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



State of West Virginia  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
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**request for  
 Quotation**

RFQ NUMBER
707EC006

PAGE
4

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

RFQ COPY  
 TYPE NAME/ADDRESS HERE

VENDOR

SHIP TO

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

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
08/24/2006				

BID OPENING DATE 10/04/2006 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<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 AN 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>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
<i>[Signature]</i>	051-674-4491	9-28-06

TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE
Vice President - Sales	41-1288643	

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



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

RFQ NUMBER	NO. 1730	P. 6/48
707EC006		5
ADDRESS CORRESPONDENCE TO ATTENTION OF		
JOHN JOHNSTON		
304-558-2402		

RFQ COPY  
 TYPE NAME/ADDRESS HERE

VENDOR

SHIP TO

DIVISION OF HIGHWAYS  
 EQUIPMENT DIVISION  
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10/04/2006		01:30PM		

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<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>[Signature]</i>	251-674-4491	9-28-06
TITLE	FAX	ADDRESS CHANGES TO BE NOTED ABOVE
VICE PRESIDENT-SALES	411-1288643	

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



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

### request for Quotation

RFO NUMBER  
707EC006

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6

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 08/24/2006	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
BID OPENING DATE 10/04/2006		BID OPENING TIME 01:30PM		

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<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>BIDDER: <u>STEP Manufacturing Co. Inc</u></p> <p>DATE: <u>9-28-06</u></p> <p>SIGNED: <u>Bruce D. Miller</u></p> <p>TITLE: <u>VICE PRESIDENT - SALES</u></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>Bruce D. Miller</u>	TELEPHONE 451-674-4491	DATE 9-28-06
TITLE VICE PRESIDENT - SALES	FERN 41-1288643	ADDRESS CHANGES TO BE NOTED ABOVE

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



SEP. 12. 2006 11:50AM EST WV DIV OF PURCH  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

**Request for Quotation**

RFQ NUMBER	NO. 1730	P. 8/48
707EC006		7
ADDRESS CORRESPONDENCE TO ATTENTION OF		
JOHN JOHNSTON 304-558-2402		

VENDOR

RFQ COPY  
TYPE NAME/ADDRESS HERE

SHIP TO

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

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
<i>Bruce Howard Wiley</i>	651-674-4491	9-28-06
FAX	ADDRESS CHANGES TO BE NOTED ABOVE	
41-1288643		

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





State of West Virginia  
 Department of Administration  
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RFQ COPY

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08/24/2006				

BID OPENING DATE 10/04/2006 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
CONTACT PERSON (PLEASE PRINT CLEARLY):						
BRUCE KONRAD						
***** THIS IS THE END OF RFQ 707EC006 ***** TOTAL:						<u>36,645.00</u>

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Bruce Konrad</i>	TELEPHONE 651-674-4491	DATE 9-28-06
TITLE VICE PRESIDENT - SALES	FAX 411-1288643	ADDRESS CHANGES TO BE NOTED ABOVE

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

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.: 707E0006

Bidder's Name: STEPP MANUFACTURING Co. Inc.

Address: 12325 RIVER RD, NORTH BRANCH MN 55056

Telephone Number: 651-674-4491

Years Bidder has been registered to do business with the State of West Virginia: 0 YRS.

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

X4.2 DELIVERY:

X4.2.1 Delivery date of completed representative unit: 120 Calendar Days After Date of Purchase Agreement

X4.2.2 Delivery date of balance of completed units: 120 Calendar Days After Date of Purchase Agreement

X5.0 AWARD CRITERIA;

X5.1 Prices for unit in quantities of

1-5 \_\_\_\_\_ per unit  
6-10 \_\_\_\_\_ per unit

X6.0 SPECIFICATIONS - GENERAL

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

STEPP - MODEL OJK-250-D

Is 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  NO

Will 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 WVDON.

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



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)

1 YEAR ON ALL MANUFACTURED PARTS. COMPONENT PARTS TO  
CARRY MANUFACTURERS STANDARD WARRANTY

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.

DEPENDANT UPON TYPE OF CLAIM

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

NONE

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: 0 % discount
- B. Terms: Net 60            Manufacturer's published list price less: 0 % discount
- C. Terms: Net 90            Manufacturer's published list price less: 0 % discount

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

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

- A. Shop Rate                    \$ 40.00 per mechanic hour
- B. Travel Time Charge        \$ 0 per mechanic hour  
(Specify if one-way)            \_\_\_\_\_; port to port \_\_\_\_\_
- C. Mileage Charge              \$ 0 per vehicle mile  
(Specify if one-way)            \_\_\_\_\_; port to port \_\_\_\_\_
- D. Field Mechanic Rate        \$ 40.00 per mechanic hour
- E. Specify period of time that prices are in effect: 1 CALENDAR YEAR
- F. Surcharge for miscellaneous items: 0 %

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: STEPP MANUFACTURING Model: DJK-250-D

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 1/2 inch pintle hitch?  YES  NO

The center is 25 inches from the nearest obstruction on the tongue.

X8.1.2 The trailer tongue is adjustable in height above ground level from 24 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 TUBE STEEL FRAME

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: P225-75 R15 Type: RADIAL Load Range: D

X8.2.6 Is a tongue jack provided?  YES  NO

Tongue jack capacity: 5000 lbs. Side mounted?  YES  NO

X8.2.7 Does trailer tongue include two ( ) safety chains?  YES  NO

Length: \_\_\_\_\_ inches of \_\_\_\_\_ inch coil proof

X8.2.8 Total weight of unit (less material in tank): 4725 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 HENSEE 12081

X8.4 Heating Tank:

X8.4.1 Capacity: 250 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 85 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? HORIZONTAL TANK 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 48 inches.

X8.5.3 The opening provides 400 square inches ( 20 inch x 20 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 16 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: 6680 square inches ( \_\_\_\_\_ sq. ft.)

X8.6.3 Material tank has 7080 square inches ( \_\_\_\_\_ 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 20 U.S. gallons per minute in order to provide a melt rate of 800 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: INTERNAL GEAR

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? PUMP SUBMERGED IN TANK  YES  NO

X8.7.3 Is all piping and material valve heated by enclosure within the heating chamber? - HEATED WAND  
 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

HEATING CHAMBER NOT NEEDED WITH HEATED HOSE OPTION.  
9

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   X   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?   X   YES        NO

Forced air diesel fuel burner rated at 420,000 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?   X   YES        NO

Are gauges located on top curbside of the unit?        YES   X   NO *REAR CURBSIDE*

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?   X   YES        NO

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

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?   X   YES        NO

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

X8.11 Engine:

Manufacturer: KUBOTA Model: D905

Type: DIESEL

X8.11.1 Engine HP: 21

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

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

X8.11.4 Is the diesel engine water cooled?   X   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: 85 dba

X8.11.9 Fuel tank for operation of diesel engine and burner: 30 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)

CLEANED + SANDED PRIOR TO PRIMER. PAINTED WITH  
TWO COATS PAINT.

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 stated.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

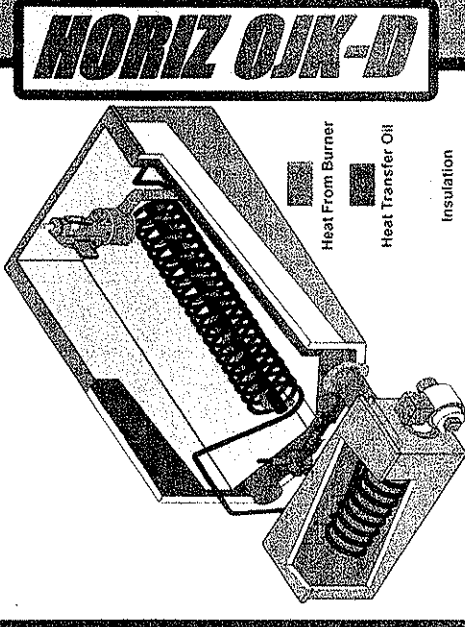
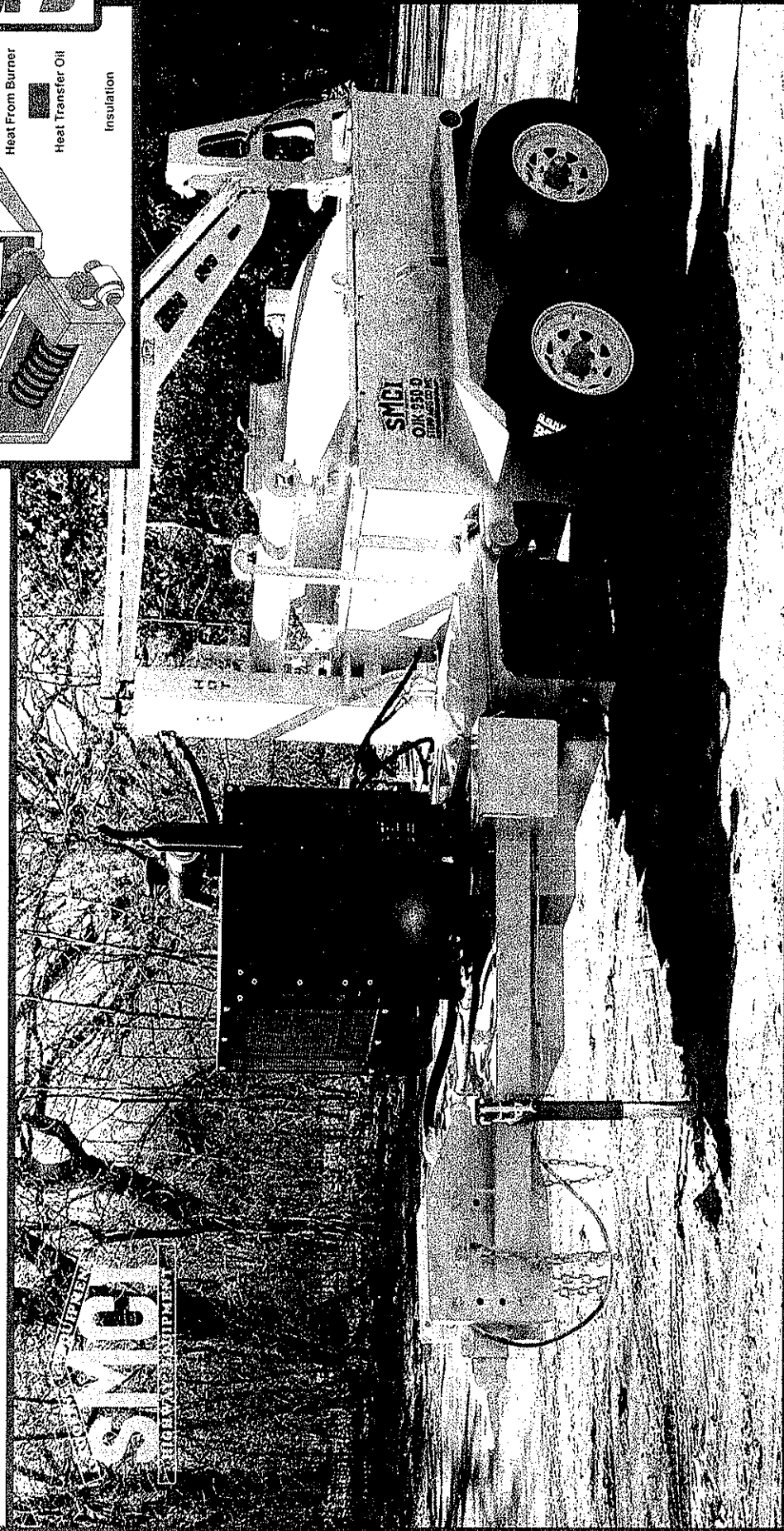
X8.17.3 Is proposed program attached with bid?  YES  NO



# Stepp Hfg Co

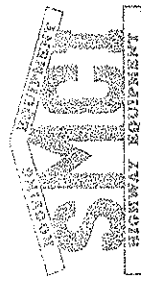
"Building our reputation on creating innovative solutions and customized equipment for your asphalt maintenance programs since 1942.

## OK-250-D Melter/Applicator



# HORIZ OK-D

12325 River Road • North Branch MN 55056-6225 Phone (651) 674-4491 • Fax (651) 674-4221  
E-Mail: [Bruce@SteppMfg.com](mailto:Bruce@SteppMfg.com) • [www.steppmfg.com](http://www.steppmfg.com)



# MELTER and APPLICATOR Crackfilling Kettle

Three Sizes available: 165, 250, and 400 Gallon - Diesel Heating Systems for High Efficiency  
Overhead heated boom reduces operator fatigue. - Electric heated hose and wand eliminates freeze-ups.

**Overhead Heated Boom:** pivots on ball bearing swivels for unmatched maneuverability. Creates a larger work area without a long bulky hose.

**Available "Pump Saver" system:** reduces pump wear by operating the pump on demand. Comes with a one year pump warranty.

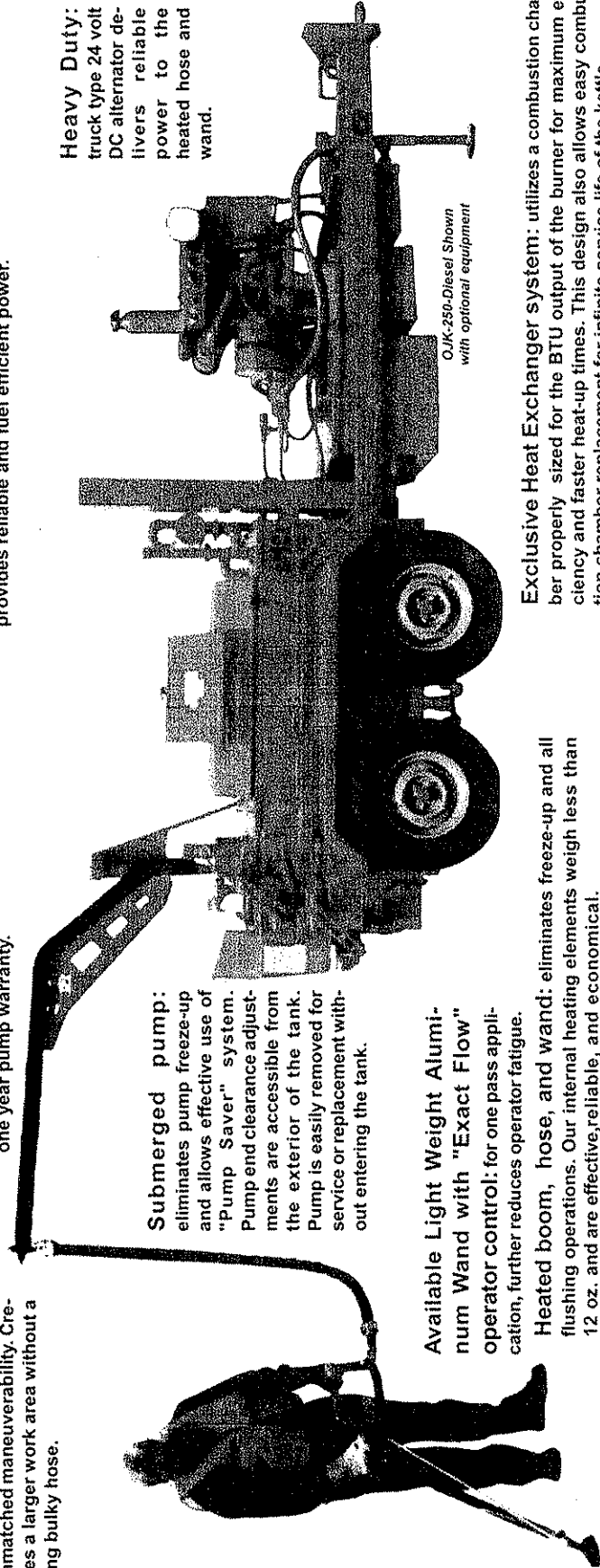
**Liquid cooled, 23.5hp, 3 cylinder Kubota® diesel engine:** complete with electric start, glow-plugs, alternator, and engine cover, provides reliable and fuel efficient power.

**Submerged pump:** eliminates pump freeze-up and allows effective use of "Pump Saver" system. Pump end clearance adjustments are accessible from the exterior of the tank. Pump is easily removed for service or replacement without entering the tank.

**Available Light Weight Aluminum Wand with "Exact Flow" operator control:** for one pass application, further reduces operator fatigue.

**Heated boom, hose, and wand:** eliminates freeze-up and all flushing operations. Our internal heating elements weigh less than 12 oz. and are effective, reliable, and economical.

**Heavy Duty:** truck type 24 volt DC alternator delivers reliable power to the heated hose and wand.



**Exclusive Heat Exchanger system:** utilizes a combustion chamber properly sized for the BTU output of the burner for maximum efficiency and faster heat-up times. This design also allows easy combustion chamber replacement for infinite service life of the kettle.

**Stapp Manufacturing Co., Inc.** Presented By:

12325 River Road • North Branch MN 55056-6225

Phone (651) 674-4491 • Fax (651) 674-4221

E-Mail: [Bruce@StappMfg.com](mailto:Bruce@StappMfg.com) • [www.stappmfg.com](http://www.stappmfg.com)

**GSA Advantage!**

#GS-30F-0007J

**HORIZ-OJK-D**

# **SPECIFICATIONS**

**OJK-165-D**

**OJK-250-D**

**OJK-400-D**

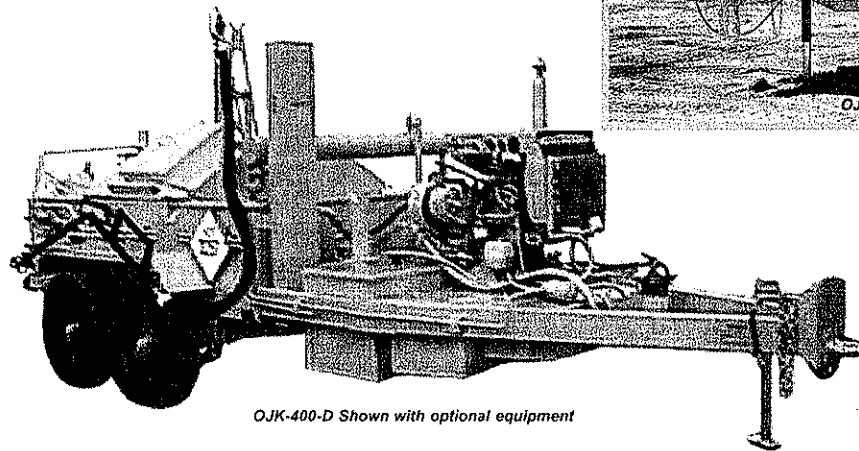


*OJK-165-D Shown with optional equipment*

**Stepp Horizontal Style Oil Jacketed  
Kettle with Full Flow Heat Exchanger**



*OJK-250-D Shown with optional equipment*



*OJK-400-D Shown with optional equipment*

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**Used for melting and applying rubberized materials for crack sealing asphalt and concrete road surfaces.**

**Stepp Manufacturing Co. Inc. 12325 River Road, North Branch MN. 55056  
800-359-8167 Fax 651-674-4221 [www.steppmfg.com](http://www.steppmfg.com)**

Horizontal Style

**MELTER and APPLICATOR**

# **OIL JACKETED KETTLE**

By **STEPP MFG**

## **Quick Specs**

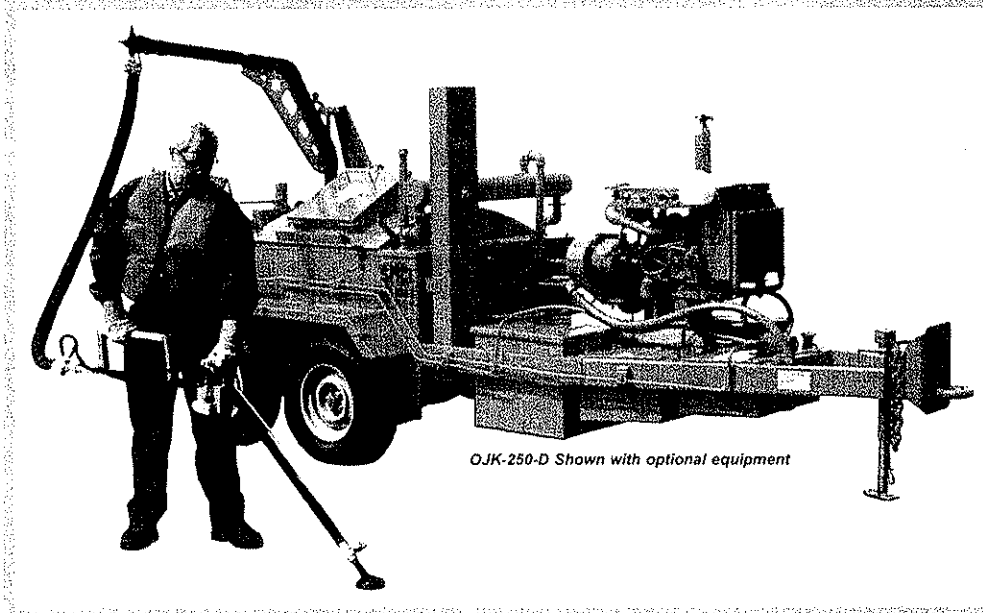
	<u>OJK165-D</u>	<u>OJK250-D</u>	<u>OJK400-D</u>
Product Tank Capacity	170 gal.	260 gal.	440 gal.
Heat Transfer Oil Capacity	70 gal.	85 gal.	130 gal.
Fuel Tank Capacity	30 gal.	30 gal.	30 gal.
Hydraulic Tank Capacity	21 gal.	21 gal.	21 gal.
Hydraulic System Oil Capacity	15 gal.	15 gal.	15 gal.
Empty Weight (includes heat transfer & hydraulic oil)	3900 lb.	4725 lb.	6340 lb. (est.)
Hitch weight (product tank empty)	690 lb.	625 lb.	1120 lb. (est.)
Hitch weight (product tank full)	672 lb. (est.)	555 lb. (est.)	1120 lb. (est.)
Rated Payload @ 10 lbs per gal.	1650 lb.	2500 lb.	4000 lb.
Length	161 in.	188 in.	227 in.
Width	73 in.	73 in.	84 in.
Height (including hose boom)	84 in.	84 in.	86 in.
Loading Height	48 in.	48 in.	50 in.
Burner Type	----- Diesel, Forced Air, 12 Volt DC -----		
Max. Burner Output (sea level)	----- 426000 BTU -----		
Recommended Fuel	----- Diesel #1 or #2 -----		
Recommended Heat Transfer Oil	----- ISO # 68 with 498°F C.O.C. Flash Point -----		
Max. Allowable Temp.	----- 475° F -----		
Combustion Chamber Design	---- Full Flow Heat Exchanger with Ceramic Insulation ----		
Heat Transfer Area to Oil Jacket	4875 sq. in.	6680 sq. in.	8795 sq. in.
Heat Transfer Area to Product Tank	5851sq. in.	7080 sq. in.	13305 sq. in.
Heat Transfer Oil Heating Time - 60° to 475° F (sea level)	40 min.	50 min.	60 min.
Thermostat, Heat Transfer Oil	----- 150° to 550°F with LCD Digital Display -----		
Thermostat, Product	----- 150° to 550°F with LCD Digital Display -----		
Hose Heating System Type	----- Flexible Internal Immersion Heater -----		
Hose Heating System Voltage	----- 24 Volt DC -----		
Hose Heating Element Weight	----- 12 ounces -----		
Engine Type	----- 3 Cyl. Diesel, liquid cooled -----		
Engine Horsepower @ 3600 RPM (sea level)	----- 23.5 H.P. -----		
Engine Operating RPM	----- 1800 RPM -----		
Hydraulic Pump	----- Tandem, 2.04 cu. in. -----		
Max. Operating Hydraulic Pressure	----- 1000 psi -----		
Product Pump Type	---- Submerged gear type with Easy Access design ----		
Product Pump GPM	---- 60 gpm with operating range variable from 0 to 8 gpm ----		
Hitch Height	----- Adjustable, 24 in. to 32 in. -----		
Hitch Type	----- Pintle, Ball, or Pin type available -----		
Brake Type	----- Electric or Hydraulic available -----		
Frame Construction	----- Welded Rectangular Steel Tubing -----		
Axle	6000 lb. (1)	3500 lb. (2)	6000 lb. (2)
Tires	P225/75R15 (2)	P225/75R15 (4)	8.75/16.5 LT (4)

Due to continued product development, specifications subject to change without notice or obligation. All components as specified or equal.



# ***SPECIFICATIONS***

## **For the Stepp Horizontal Style OJK Crack-Sealer Melter/Applicator**



OJK-250-D Shown with optional equipment

## **Stepp Horizontal Style OJK Crack-Sealer Melter/Applicator**

### **GENERAL**

This Oil Jacketed Kettle (double boiler) will be used to melt rubberized crack sealing and water proofing compounds and apply them to the road surface.

The machine shall be the manufactures current production model, trailer mounted, and completely self contained. It shall be capable of heating, melting, and applying all grades of rubberized asphalt crack sealer, joint sealants, and waterproofing compounds without the need for additional equipment.

The machine shall be capable of heating sealing material from ambient to application temperature in 60 minutes or less.

Factory trained representatives shall be available for initial start-up and training in the operation and maintenance of the machine. A toll-free telephone number shall be available to provide the user with assistance with any additional operating or technical questions.

### **MELTING CHAMBER, INNER TANK:**

The melting chamber shall have a minimum rated capacity of:

OJK-165-D .....	165 gallons
OJK-250-D .....	250 gallons
OJK-400-D .....	400 gallons

The tank (illustration 1, item 1) is to be constructed of 10 gage material with the tank bottom sloping a minimum of 23° towards a center low point to allow heating of a small amount of material if desired. The design also allows complete removal of the contents and agitation of the material until the tank is empty. The minimum heat transfer surface area within the tank shall be:

OJK-165-D .....	5851 sq. in.
OJK-250-D .....	7080 sq. in.
OJK-400-D .....	13305 sq. in.

A 20" x 20" minimum sized Safety Loading Chute (illustration 2, item 20) shall be incorporated into the hood to allow "splash-free" loading of block material into the kettle. The over-all design of the machine is to be constructed to allow a loading height not to exceed 48" measured from the ground.

### **MELTING CHAMBER, INNER TANK: (continued)**

The machine is to be equipped with a hinged hood (illustration 2, item 19) opening a minimum of:

OJK-165-D .....	23" x 42"
OJK-250-D .....	40" x 42"
OJK-400-D .....	46" x 53"

this is to allow for easy loading of material when the machine is cold, and for easy access for cleaning and maintenance without the need to comply with the OSHA confined space entry permit regulations. The hood shall be equipped with a telescoping handle on the hinge side to provide extra leverage for easy opening of the hood. Hood Breakers are to be installed to assist the operator in freeing the hood if stuck closed. A minimum 2½" draw-off cock with inside closing feature to eliminate valve freeze-up shall be located at rear of machine.

### **HEAT TRANSFER JACKET:**

The heat transfer oil jacket is to be constructed of 12 gauge material. The oil jacket (illustration 1, item 2) shall contain a minimum quantity of heat transfer oil as follows:

OJK-165-D .....	70 gallons
OJK-250-D .....	85 gallons
OJK-400-D .....	130 gallons

The heat transfer oil shall be ISO VG 68 with a COC flash point of 498° F. and a pour point of -15° F.

A cold seal expansion tank shall be provided to eliminate moisture condensation and reduce oil oxidation in the heat transfer oil.

The oil jacket will include a W-shaped flue (illustration 1, item 5), completely submerged in oil, making 4 passes the full length of the bottom of the oil jacket. The flue to be constructed of 6" x .188 wall tubing designed to last the life of the machine. The minimum heat transfer surface area to the heat transfer oil shall be:

OJK-165-D .....	4875 sq. in.
OJK-250-D .....	6680 sq. in.
OJK-400-D .....	8795 sq. in.

There are to be two threaded ports in the oil jacket to allow installation of optional immersion type electrical heating elements (illustration 2, item 14). If this option is selected, the heating elements shall be a minimum of 1500 watts each and capable of preheating the heat transfer oil for faster start-up times.

*Due to continued product development, specifications subject to change without notice or obligation. All components as specified or equal.*

# Stepp Horizontal Style OJK Crack-Sealer Melter/Applicator

## INSULATION JACKET:

The oil jacket shall be insulated with a minimum of 2" of High Temperature fiberglass insulation (illustration 1, item 6). The outer shell (illustration 1, item 7) that covers the insulation shall be fabricated from 16 gage steel (minimum).

## FULL FLOW HEAT EXCHANGER WITH HOT OIL CIRCULATING COIL:

The Full Flow heat exchanger/combustion chamber (illustration 1, item 3 and illustration 2, item 15) shall be engineered and constructed in a configuration that assures the highest efficiency available from the burner based upon the BTU output of the burner. A minimum of 2" of ceramic refractory insulation (illustration 1, item 4) will be used in the combustion chamber.

Heat transfer oil shall be heated in a Full Flow heat exchanger/combustion chamber equipped with a replaceable type 309 stainless steel diffuser/liner (illustration 1, item 4), then circulated through a coil (illustration 1, item 8) that surrounds the agitator in the tank. The heat transfer oil is to be circulated by a gear type pump, with 10 GPM minimum output, driven by a hydraulic motor.

For operator safety, the burner and combustion chamber shall be located in front of the product tank to keep noise and exhaust fumes as far away from the operator as possible. The Full Flow heat exchanger/combustion chamber (illustration 2, item 15) shall be engineered as a separate component of the machine, and be easily replaceable, thus making the machine last indefinitely. The burner shall not fire directly on the oil jacket. An integrated combustion chamber and oil jacket will not be acceptable.

## DIESEL BURNER HEATING SYSTEM:

The machine is to be equipped with a diesel fuel burner with an operating output of 420,000 BTU. The burner is to be completely self contained with automatic ignition and safety shut off devices to stop the fuel flow if the flame goes out. A panel mounted light will indicate when the burner is operating. Burner to be equipped with safety shut off circuitry in event of loss of heat transfer oil circulation.

Two electronic thermostats with digital displays of the temperatures are to be included to control and monitor the heating oil and product temperatures from 150° - 550° F. All burner controls and thermostats (illustration 2, item 13) to be located in a weather tight enclosure on the right rear of the unit for easy operator access. A transparent cover is to be installed so the temperatures and other functions can be monitored without the need to open the cover. The operator shall be able to read the heat transfer oil and product temperatures when standing 6 feet behind the machine. Side mounted control panels will not be accepted.

## AGITATOR:

The agitator (illustration 1, item 8) shall be auger type, and located in the horizontal position surrounded by a heating coil in the lowest part of the tank. The design will eliminate dangerous splashing and entanglement of blocks of material in the agitator. The agitator shall be driven by a hydraulic motor and include a variable speed, 4-way, pressure compensated, flow control allowing rotation in either direction at speeds from 0 to 170 rpm.

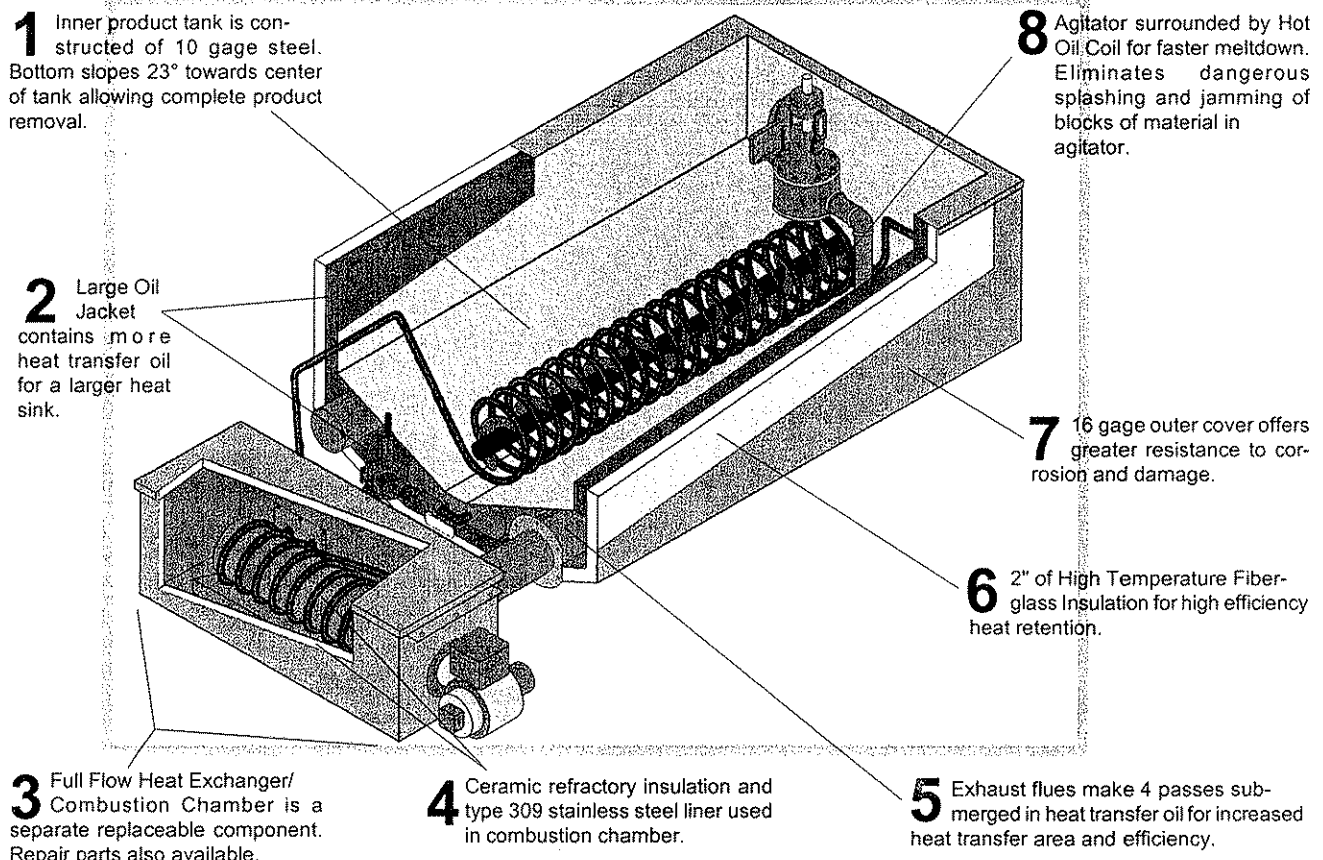


Illustration 1

Due to continued product development, specifications subject to change without notice or obligation. All components as specified or equal.

# Stepp Horizontal Style OJK Crack-Sealer Melter/Applicator

## ENGINE:

The engine shall be a three cylinder, water cooled, Kubota® model D905-E diesel engine (illustration 2, item 18) complete with air, fuel, and oil filters, electric starter, alternator, muffler with rain cover, battery and lockable steel battery box, hour meter, warning lights, engine cover, and all necessary controls. Optional oil pressure and coolant temperature gauges will be available if desired. A glow plug system for cold weather starting shall be included. An automatic engine shut down system to prevent engine damage caused by low oil pressure or high engine coolant temperatures shall be included.

The engines available horse power shall be a minimum of 23.5 h.p. A minimum 30 gallon fuel tank, equipped with fuel gauge, shall be provided (illustration 2, item 16).

## HYDRAULIC SYSTEM:

The hydraulic system shall include a tandem pump with priority flow to the heat transfer oil circulation system. The agitator and product pump shall use independent, 4-way, pressure compensated flow controls allowing rotation in either direction at variable speeds.

Hydraulic Oil filtration shall be a suction strainer located in the reservoir and by a 25 micron "spin-on" type filter in the return line. An oil cooler with a minimum area of 216 sq. in. shall be installed in the hydraulic system in a location that assures continuous forced air flow through the cooler.

All hydraulic lines to be a minimum of 5/8" high pressure steel tubing. Hoses are only to be used where required for component flexibility purposes. For extended component life, hydraulic system pressures shall not exceed 1000 psi.

## PRODUCT PUMPING SYSTEM:

The product pump (illustration 2, item 9) shall be a Viking KV-1951 with 60 gpm capacity with the actual output variable from 0 to 8 gpm for greater operator controllability and extended service life. The pump shall be driven by a reversible hydraulic motor with variable speed, 4-way, pressure compensated, flow controls with 0 to 75 rpm operating range. The reversible feature will purge the pump of material to facilitate cold start-up. A 50 to 550°F. dial type thermometer shall be installed to monitor the discharge temperature of the sealant from the product pump.

The pump will be submerged in the tank allowing it to heat with the product thus eliminating the need to preheat the pump. The pump shall be removable without the need for maintenance personnel to enter the product tank.

Pump shall be designed and mounted in such a way that clearance adjustments can be made from outside the tank without removing the pump. Any leakage from the pump packing shall drain back into the tank. To eliminate high maintenance and replacement costs, oil jacketed pumps will not be accepted.

An optional *Pump Saver* product pump control system shall be available. The system shall automatically engage and disengage the product pump based upon demand for product at the application wand to eliminate unnecessary pump wear. The Pump Saver option shall include a one year warranty against product pump failure caused by wear.

## PRODUCT DELIVERY SYSTEM:

A 1" i.d. (minimum) insulated hose, specially designed for use with heated petroleum products, shall be attached to a 1" i.d. (minimum) insulated Overhead Delivery Boom (illustration 2, item 10). The material will pass through the inside of the boom to the hose.

The boom shall swivel on sealed ball bearings and be mounted at a height that allows the boom to safely pass over a 6' 2" person. The Overhead Delivery Boom (illustration 2, item 10) shall be mounted on the left rear corner of the machine to allow crack filling operations across two lanes if desired. A safety stop will be installed to prevent the boom from swinging to the left or right traffic lane when the safety stop is engaged.

*Due to continued product development, specifications subject to change without notice or obligation. All components as specified or equal.*

## PRODUCT DELIVERY SYSTEM (continued):

The design of the boom will allow the use of a less expensive shorter hose length of 8' (illustration 2, item 11) while maintaining an effective work zone that is equal to or greater than a standard 20 foot hose. This design will prevent the hose from contacting the ground eliminating abrasion damage.

The hose and boom shall be equipped with individual internal electric heating elements designed to melt the crack-sealer from within. The heating system shall operate at no more than 28 volts DC to eliminate the risk of hazardous electrical shock (illustration 2, item 21). The heating system will be capable of heating the crack-sealer in the hose & boom from ambient temperature (60°F) to application temperature in 20 minutes or less. This system shall eliminate the need for hose heating compartments and hose flushing procedures.

The hose & boom heating system shall add no more than 12 oz. to the total weight of the hose. The heating elements shall be a separate component and not part of the hose or boom. For economic replacements, the hose and heating components shall be individually replaceable. Hoses and heating elements constructed as one component will not be accepted. Hose heating compartments will not be accepted.

## APPLICATION WAND:

A 68" x 3/4" i.d. (minimum) insulated application wand (illustration 2, item 12) with insulated handles shall be included. The wand valve shall be located at the application end of the wand to immediately stop the flow of product, without excess dripping, when the valve is shut off. Wand options include a lightweight aluminum wand, the Ultra-Lite 4130 Chromolly valve-less wand with a trigger switch, all available with the operator controlled "Exact Flow" wand control for one pass application.

The wand shall be equipped with an internal electric heating element designed to melt the crack-sealer from within the wand. The wand heating system shall operate at no more than 28 volts DC to eliminate the risk of hazardous electrical shock. The heating system will be capable of heating the crack-sealer in the wand from ambient temperature (60°F) to application temperature in 20 minutes or less. This system shall eliminate the need for heating compartments and flushing procedures.

The wand heating system shall add no more than 10 oz. to the total weight of the wand. The wand heating system shall be a separate component and not part of the wand or hose. The wand and heating components shall be individually replaceable. The wand shall be attached to the hose with a quick-disconnect 360° swivel.

## CHASSIS:

The frame (illustration 2, item 17) shall be constructed with a minimum 11 gage, 2" x 5" rectangular tubing (2" x 6" x 3/16 on OJK-400). Open channel shall not be used. Stress and bend points to be double reinforced.

Axle(s) equipped with electric brakes and a break away switch shall be installed as follows.

OJK-165-D .....	One (1) - 6000 lb.
OJK-250-D .....	Two (2) - 3500 lb.
OJK-400-D .....	Two (2) - 6000 lb.

Hydraulic surge brakes shall be available as optional equipment.

The minimum tire size shall be as follows:

OJK-165-D .....	ST225/75R15 load range "D"
OJK-250-D .....	ST225/75R15 load range "D"
OJK-400-D .....	8.75/16.5 LT

The machine shall have heavy duty fenders, manufactured from 12 gage steel, able to support 500 lbs. without damage. The hitch height shall be adjustable from 24" to 32". The design shall be so that a 2-5/16" ball, 3" pintle ring, or pin type hitches can be easily exchanged. Safety chains shall be included. A minimum 5000 lb. capacity tongue jack with swing away feature for road clearance shall be installed. Tail lights, turn signal, and brake lights to meet DOT regulations are available as options.

# Stepp Horizontal Style OJK Crack-Sealer Melter/Applicator

## GENERAL CONSTRUCTION:

The unit shall be all welded construction where feasible and desirable for maximum strength. Components that may need to be removed for service or replacement shall be installed with rust resistant plated hardware.

All permanent electrical connections are to be soldered and then protected with heat-shrink tubing to provide trouble-free service. All other connectors to be treated with dielectric grease compound to protect against moisture and corrosion damage.

Component parts shall be designed to meet UL, SAE, DOT, ASME, or industry standards as appropriate

## PAINT:

Surfaces of the unit will be properly prepared and primed per standard industry practices. The machine shall be painted High Visibility Safety Orange, or Black, as specified by the purchasing agency. Custom colors shall be available upon request.

## LABELS:

Operating instructions, caution, and warning labels shall be attached to the machine in highly visible locations. All labels shall be available as replacement parts.

## MANUALS:

One set of complete and comprehensive operators, maintenance, and parts manuals shall be furnished with each unit. The manuals must include operating instructions, maintenance schedules, instructions for completing maintenance items, and necessary illustrations, drawings, or photographs required for clarity. The parts manual must include parts lists and part numbers with illustrations in sufficient detail to allow easy ordering of replacement parts.

## OPTIONS NOT LISTED ELSEWHERE:

Options available at extra cost are noted as *optional* or *options* throughout these specifications. Listed below are additional options available at extra cost not listed elsewhere in this specification:

Strobe Light - Arrow Board - Fire Extinguisher - Spare Tire & Carrier Applicator Tips - Emergency Burner Repair Kit - Filter Service Kit - and various application wands including the operator controlled "Exact Flow" wand for one pass application.

## WARRANTY:

The warranty shall be one year on all parts, materials, and workmanship. Component parts such as tires, engines, pumps, etc., shall be covered by the component manufacturers warranties. With optional Pump Saver System, the product pump is warranted for one year against failure caused by wear.

*Due to continued product development, specifications subject to change without notice or obligation. All components as specified or equal.*

**9** Submerged pump eliminates pump freeze-up and allows effective use of "Pump Saver" system. Pump end clearance adjustments are accessible from the exterior of the tank. Pump is easily removed for service or replacement without entering the tank.

Available "Pump Saver" system reduces pump wear by operating the pump on demand. Comes with a one year pump warranty.

**21** Heavy Duty truck type 24 volt DC alternator delivers reliable power to the heated hose, wand, and boom.

**10** Overhead Heated Boom pivots on ball bearing swivels for unmatched maneuverability. Creates a larger work area without a long bulky hose.

**20** Splash-free loading chute is easily loaded with its low 48" loading height.

**19** Large barrel shaped hood opens wide for easy loading of cold material or equipment maintenance.

**18** Liquid cooled, 23.5hp, 3 cylinder Kubota® diesel engine, complete with electric start, glow-plugs, alternator, and engine cover, provides reliable and fuel efficient power. Kubota® is well known for their world wide parts and service support.

**11** Heated boom, hose, and wand eliminates freeze-up and all flushing operations. Our internal heating elements weigh less than 12 oz. and are effective, reliable, and economical.

**12** Available Light Weight Aluminum Wand further reduces operator fatigue.

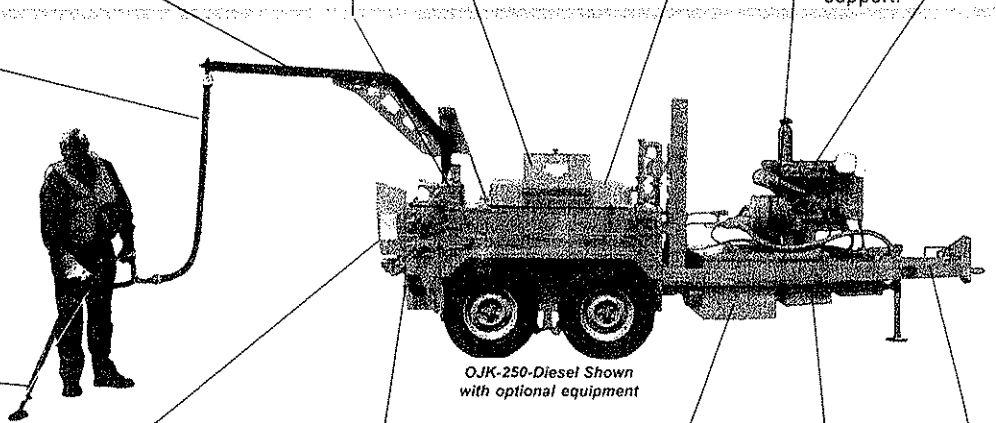
**13** Digital electronic temperature controls are accurate and easy to read. Enclosed in a weather tight compartment with see-through cover for ease of operation.

**14** Available Electric Overnight Heaters reduce start-up time.

**15** Exclusive Heat Exchanger system utilizes a combustion chamber properly sized for the BTU output of the burner for maximum efficiency and faster heat-up times. This design also allows easy combustion chamber replacement for infinite service life of the kettle.

**17** Rectangular tubing frame provides the strength to handle the roughest abuse.

**16** Large fuel tank capacities allow un-interrupted production on those extra long days.



**Illustration 2**



# Available Options

## **AUTOLOADER:**

A conveyor is mounted on top of the Oil Jacketed Kettle with one end extending out over the hitch of the kettle accessible for loading blocks of material from the bed of the towing vehicle. The other end of the conveyor feeds the blocks of material into the kettle through a splash proof hatch. The system is designed for automatic operation once loaded. This eliminates the need for personnel to be in a dangerous position in the bed of the towing vehicle when in motion. Once the conveyor is loaded, it will automatically advance to place additional material into the kettle at a rate equal to that of the material being dispensed.

**"EXACT FLOW":** Available wand control for one pass product volume application. Operator controlled flow volume via finger tip control.

**HEATED 15' HOSE WITH STEEL WAND:** Electric heated hose and wand to prevent material from freezing up in wand. Powered from engine driven alternator.

**HEATED 20' HOSE WITH STEEL WAND:** Electric heated hose and wand to prevent material from freezing up in wand. Powered from engine driven alternator.

**ALUMINUM WAND:** Various wand styles are available to reduce operator fatigue. Half the weight of steel to ease the effort for the operator.

**LIGHTWEIGHT WAND/SHORT:** *(must have pump saver option):* Lightweight chromemoly tube with trigger control w/manual shutoff valve to reduce drippage.

**APPLICATION NOZZLE WITH SHOE:** Various nozzles available to give operator the ability to squeeze material into crack. Nozzles available in 1/8", 1/4", or 3/8" sizes.

**AGITATOR SHUT DOWN SWITCH:** Agitator disconnect protects the operator when loading chute is open.

**SCREW PLUG IMMERSION HEATER:** Available Electric Overnight Heater capable of preheating the heat transfer oil for faster start-up times. 1.5 KW electric heater, 120 volts or 3 KW electric heater with thermostat, 120 volts.

**BRAKES-HYDRAULIC SURGE-SINGLE AXLE:** Axle to be equipped with hydraulic brakes and surge actuator with brake away protection. Trailer brakes lock in case of accidental brake away from towing vehicle.

## **ARROWBOARD:**

## **STROBELIGHT:**

**FIRE EXTINGUISHER:** Various safety items all designed and placed for operator safety and visibility.

**ENGINE ENCLOSURE:** A lockable, weather protector, vandal proof, vented enclosure for the engine. Enhances overall security and appearance. Color to match.

**SPARE TIRE WITH CARRIER:** Matching tire, mounted on sturdy offset bracket that is conveniently located and welded directly to the frame.

**BURNER REPAIR KIT:** Designed and packaged to provide all of the necessary parts and diagnostic equipment required to repair LP or Diesel burners on the job site, saving travel and down time.

**400 HOUR FILTER SERVICE KIT:** Save time and money with this prepackaged filter service kit. This kit includes all the oil, air, fuel, and hydraulic filters needed for 400 hours of normal operation. For Oil Jacketed Kettles with Diesel Burners and Kubota engines.

**SPARE OPERATORS MANUALS:** One set of two complete and comprehensive operators, maintenance, and parts manuals shall be furnished with each unit. Additional manuals available at additional charge.

**REPLACEMENT OPERATING LABELS:** Control box, Vinyl instruction labels, Serial number data plate, Operational labels, Caution and warning labels.

**PAINT COLORS:** Highway orange, Highway yellow and Black are standard. Some specific colors available at additional charge.

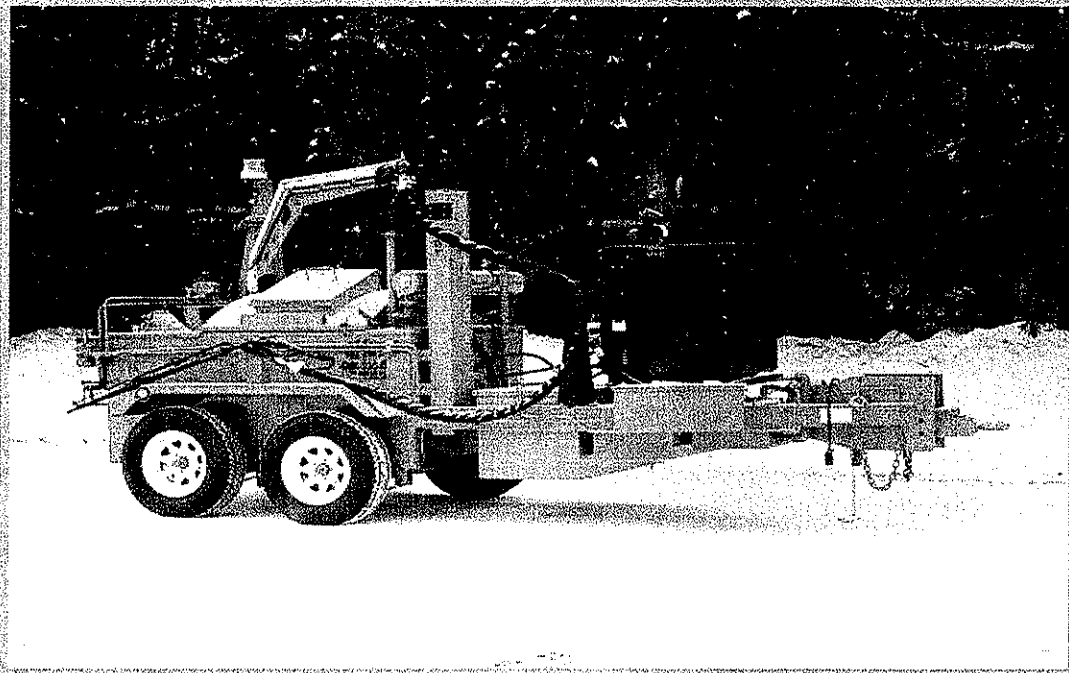
## Stepp Manufacturing Co., Inc.

12325 River Road • North Branch MN 55056-6225

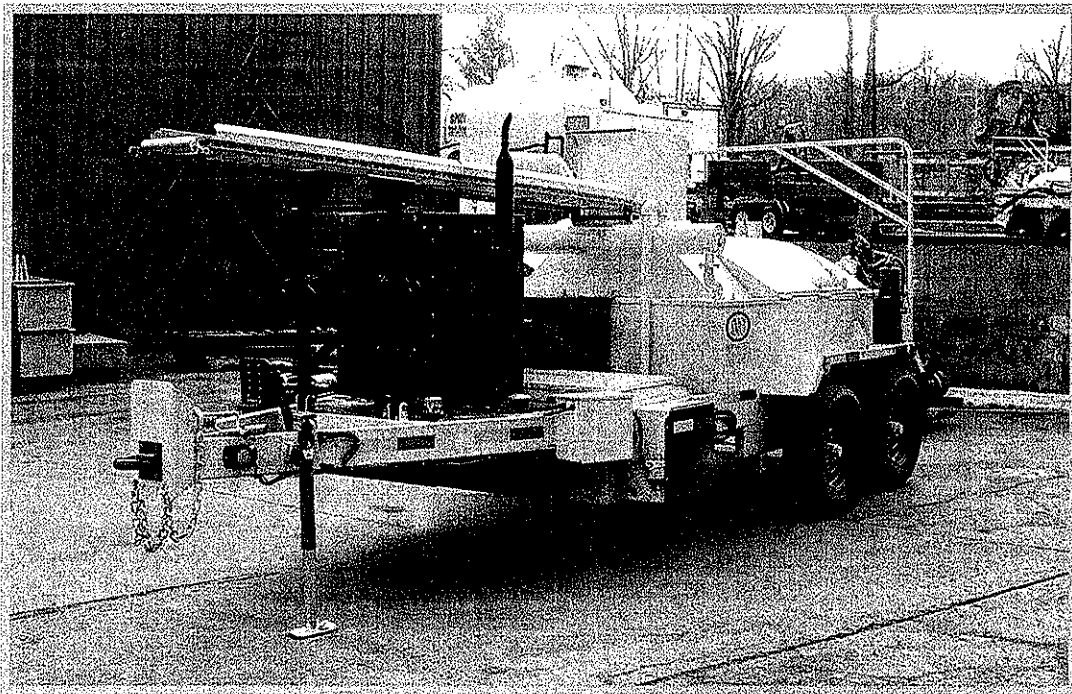
Phone (651) 674-4491 • Fax (651) 674-4221

E-Mail: [bruce@steppmfg.com](mailto:bruce@steppmfg.com) • [www.steppmfg.com](http://www.steppmfg.com)

# HORIZ-OJK-D



**Stepp Horizontal Style OJK Crack-Sealer Melter/Applicator**



**Stepp Horizontal Style OJK Crack-Sealer Melter/Applicator  
with optional Loading Conveyor**

**Stepp Manufacturing Co., Inc.**

*12325 River Road • North Branch MN 55056-6225*

*Phone (651) 674-4491 • Fax (651) 674-4221*

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RFQ No 707ECC006**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: STEPP MANUFACTURING Co INC.

Authorized Signature



Date

9-28-06