



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  
**7011EC04**

PAGE  
**1**

ADDRESS CORRESPONDENCE TO ATTENTION OF:  
**BUYER 33  
 304-558-2402**

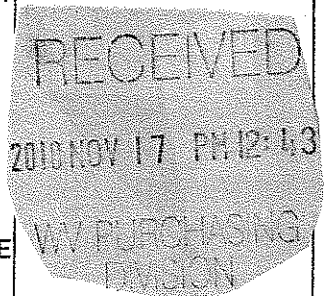
**VENDOR**  
 \*709034551      304-327-5124  
**RISH EQUIPMENT COMPANY**  
**PO BOX 330**  
  
**BLUEFIELD WV 24701**

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

DATE PRINTED <b>09/29/2010</b>	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
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BID OPENING DATE: **11/10/2010**      BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	EA		755-10	\$ 138,964.00	\$ 138,964.00
<b>ASPHALT DISTRIBUTOR MOUNTED</b>  <b>OPEN END CONTRACT</b>  <b>TO PROVIDE 1500 GALLON ASPHALT DISTRIBUTOR MOUNTED ON A 32,000 LB GVW CHASSIS CAB TRUCK FOR THE WEST VIRGINIA DIVISION OF HIGHWAYS. PER THE ATTACHED SPECIFICATIONS.</b>  <b>MANDATORY PRE-BID</b> <b>A MANDATORY PRE-BID WILL BE HELD ON THURSDAY 10/28. AT 9 AM, 2019 WASHINGTON ST E., CHARLESTON, WV 25305. ALL INTERESTED PARTIES ARE REQUIRED TO ATTEND THIS MEETING. FAILURE TO ATTEND THE MANDATORY PRE-BID SHALL RESULT IN DISQUALIFICATION OF THE BID. NO ONE PERSON MAY REPRESENT MORE THAN ONE BIDDER.</b>  <b>AN ATTENDANCE SHEET WILL BE MADE AVAILABLE FOR ALL POTENTIAL BIDDERS TO COMPLETE. THIS WILL SERVE AS THE OFFICIAL DOCUMENT VERIFYING ATTENDANCE AT THE MANDATORY PRE-BID. FAILURE TO PROVIDE YOUR COMPANY AND REPRESENTATIVE NAME ON THE ATTENDANCE SHEET WILL RESULT IN DISQUALIFICATION OF THE BID. THE STATE WILL NOT ACCEPT ANY OTHER DOCUMENTATION TO VERIFY ATTENDANCE. THE BIDDER IS RESPONSIBLE FOR ENSURING THEY HAVE COMPLETED THE INFORMATION REQUIRED ON THE ATTENDANCE SHEET. THE PURCHASING DIVISION AND THE STATE AGENCY WILL NOT ASSUME ANY RESPONSIBILITY FOR A BIDDER'S FAILURE TO COMPLETE THE PRE-BID ATTENDANCE SHEET. IN ADDITION, WE REQUEST THAT ALL POTENTIAL BIDDERS INCLUDE THEIR E-MAIL ADDRESS AND FAX NUMBER.</b>						



SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE *Paul Calvert*      TELEPHONE **304-842-3511**      DATE **11-17-2010**

GENERAL MANAGER      FEIN **54-139-0608-004**      ADDRESS CHANGES TO BE NOTED ABOVE

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

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

1. Awards will be made in the best interest of the State of West Virginia.
2. The State may accept or reject in part, or in whole, any bid.
3. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
4. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, 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.
5. Payment may only be made after the delivery and acceptance of goods or services.
6. Interest may be paid for late payment in accordance with the *West Virginia Code*.
7. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
8. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
9. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
10. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern the purchasing process.
11. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
12. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.
13. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at [www.state.wv.us/admin/purchase/vrc/hipaa.htm](http://www.state.wv.us/admin/purchase/vrc/hipaa.htm) and is hereby made part of the agreement. Provided that the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
14. **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. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.
15. **LICENSING:** Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, and the West Virginia Insurance Commission. The vendor must provide all necessary releases to obtain information to enable the director or spending unit to verify that the vendor is licensed and in good standing with the above entities.
16. **ANTITRUST:** In submitting a bid to any agency for the State of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the State of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, or person or entity submitting a bid for the same material, supplies, equipment or services and is in all respects fair and without collusion or Fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

### INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division. Complete all sections of the quotation form.
2. 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. Unit prices shall prevail in case of discrepancy. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
4. 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: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130
5. Communication during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited (W.Va. C.S.R. §148-1-6.6).



State of West Virginia  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
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# Request for Quotation

RFQ NUMBER  
**7011EC04**

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**2**

ADDRESS CORRESPONDENCE TO ATTENTION OF:  
**BUYER 33**  
**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	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
09/29/2010				

BID OPENING DATE: **11/10/2010** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>ALL POTENTIAL BIDDERS ARE REQUESTED TO ARRIVE PRIOR TO THE STARTING TIME FOR THE PRE-BID. BIDDERS WHO ARRIVE LATE, BUT PRIOR TO THE DISMISSAL OF THE TECHNICAL PORTION OF THE PRE-BID WILL BE PERMITTED TO SIGN IN. BIDDERS WHO ARRIVE AFTER CONCLUSION OF THE TECHNICAL PORTION OF THE PRE-BID, BUT DURING ANY SUBSEQUENT PART OF THE PRE-BID WILL NOT BE PERMITTED TO SIGN THE ATTENDANCE SHEET.</p> <p>QUESTIONS: WRITTEN QUESTIONS WILL BE ACCEPTED THROUGH CLOSE OF BUSINESS (5:00 PM, EST) ON THURSDAY, 10/21/10.</p> <p>SEND QUESTIONS TO: PURCHASING DIVISION            ATTENTION SHERI SLONE/CHUCK BOWMAN            2019 WASHINGTON STREET EAST            CHARLESTON, WV 25305</p> <p>QUESTIONS MAY BE SENT VIA FAX, E-MAIL, OR REGULAR MAIL.            E-MAIL: SHERI.D.SLONE@WV.GOV</p> <p>IT IS THE VENDOR'S RESPONSIBILITY TO VERIFY THAT THEIR QUESTIONS HAVE BEEN RECEIVED BY CALLING 304-558-2402.</p> <p>EXHIBIT 2</p> <p>LIFE OF CONTRACT: THIS CONTRACT BECOMES EFFECTIVE ON ..... AND EXTENDS FOR A PERIOD OF ONE (1) YEAR OR UNTIL SUCH "REASONABLE TIME" THEREAFTER AS IS NECESSARY TO OBTAIN A NEW CONTRACT OR RENEW THE ORIGINAL CONTRACT. THE "REASONABLE TIME" PERIOD SHALL NOT EXCEED TWELVE (12) MONTHS. DURING THIS "REASONABLE TIME" THE VENDOR MAY TERMINATE THIS CONTRACT FOR ANY REASON UPON GIVING THE DIRECTOR OF PURCHASING</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Paul Cabot</i>	TELEPHONE 304-842-3511	DATE 11-17-2010
TITLE GENERAL MANAGER	FEIN 54-139-0608-004	ADDRESS CHANGES TO BE NOTED ABOVE

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



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BUYER 33 304-558-2402

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DIVISION OF HIGHWAYS  
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09/29/2010				

BID OPENING DATE: 11/10/2010 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>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 TH 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> <p>ORDERING PROCEDURE: SPENDING UNIT(S) SHALL ISSUE A</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
GENERAL MANAGER	304-842-3511	11-17-2010
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE
GENERAL MANAGER	54-139-0608-004	

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 26201 304-472-1750

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BID OPENING DATE: **11/10/2010** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>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, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FUTHER ORDER.</p> <p>REV. 5/2009</p> <p>EXHIBIT 10</p> <p>REQUISITION NO.: .7011EC04.....</p> <p>ADDENDUM ACKNOWLEDGEMENT</p> <p>I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.</p> <p>ADDENDUM NO.'S:</p> <p>NO. 1 <sup>HPC</sup> .....</p> <p>NO. 2 .....</p> <p>NO. 3 .....</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Paul Cabral</i>	TELEPHONE 304-842-3511	DATE 11-17-2010
TITLE GENERAL MANAGER	FEIN 54-130-0608-004	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO REQ. INSERT NAME AND ADDRESS IN SPACE ABOVE LABELLED 'VENDOR'



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# Request for Quotation

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ADDRESS CORRESPONDENCE TO ATTENTION OF  
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VENDOR

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DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
09/29/2010				

BID OPENING DATE: **11/10/2010** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
	NO. 4 .....					
	NO. 5 .....					
<p>I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.</p> <p>VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.</p> <p style="text-align: center;"> <i>Paul Calvert</i>            .....            SIGNATURE            ..... RISH EQUIPMENT COMPANY .....            COMPANY            ..... NOVEMBER 17, 2010 .....            DATE         </p> <p>NOTE: THIS ADDENDUM ACKNOWLEDGEMENT SHOULD BE SUBMITTED WITH THE BID.</p> <p>REV. 09/21/2009</p> <p>EXHIBIT 4</p> <p>LOCAL GOVERNMENT BODIES: UNLESS THE VENDOR INDICATES IN THE BID HIS REFUSAL TO EXTEND THE PRICES, TERMS, AND CONDITIONS OF THE BID TO COUNTY, SCHOOL, MUNICIPAL</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Paul Calvert</i>	TELEPHONE 304-842-3511	DATE 11-17-2010
TITLE GENERAL MANAGER	FEIN 54-139-0608-004	ADDRESS CHANGES TO BE NOTED ABOVE

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# Request for Quotation

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ADDRESS CORRESPONDENCE TO ATTENTION OF  
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VENDOR

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09/29/2010				

BID OPENING DATE: **11/10/2010** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>AND OTHER LOCAL GOVERNMENT BODIES, THE BID SHALL EXTEND TO POLITICAL SUBDIVISIONS OF THE STATE OF WEST VIRGINIA. IF THE VENDOR DOES NOT WISH TO EXTEND THE PRICES, TERMS, AND CONDITIONS OF THE BID TO ALL POLITICAL SUBDIVISIONS OF THE STATE, THE VENDOR MUST CLEARLY INDICATE SUCH REFUSAL IN HIS BID. SUCH REFUSAL SHALL NOT PREJUDICE THE AWARD OF THIS CONTRACT IN ANY MANNER.</p> <p>REV. 3/88</p> <p style="text-align: center;">NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p style="text-align: center;">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.: 7011EC04</p> <p>BID OPENING DATE: 11/10/10</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE *Paul Cabant* TELEPHONE 304-842-3511 DATE 11-17-2010

TITLE GENERAL MANAGER FEIN 54-139-0608-004 ADDRESS CHANGES TO BE NOTED ABOVE



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  
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ADDRESS CORRESPONDENCE TO ATTENTION OF  
**BUYER 33  
 304-558-2402**

VENDOR

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DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B	FREIGHT TERMS
<b>09/29/2010</b>				

BID OPENING DATE: **11/10/2010** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
BID OPENING TIME:			1:30 PM			
PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:						
				304-842-6126		
CONTACT PERSON (PLEASE PRINT CLEARLY):						
				ANTONIO SELARIO		
***** THIS IS THE END OF RFQ 7011EC04 ***** TOTAL:						\$ 138,964.00

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE		TELEPHONE		DATE	
		304-842-3511		11-17-2010	
TITLE		FEIN		ADDRESS CHANGES TO BE NOTED ABOVE	
GENERAL MANAGER		54-139-0608-004			

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. 512-3-H

1500 GALLON ASPHALT DISTRIBUTOR  
MOUNTED ON A 32,000 LB. GVW CHASSIS CAB TRUCK

1.0 PURPOSE

It is the purpose of these specifications to describe a 1500 Gallon Asphalt Distributor Mounted on a 32,000 Lb. GVW Chassis Cab Truck (hereinafter referred to as a "distributor" 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. Addendums in order, along with exception sheets, should be with Bidder's Evaluation Report. **FAILURE TO SUBMIT THE BIDDER'S EVALUATION REPORT, COMPLETE IN ITS ENTIRETY, SHALL 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, will, and/or must" or are stated as a "minimum and/or maximum" are mandatory as stated in Purchasing Divisions Policies and Procedures. 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 each order to insure compliance with specification. If requested, the time period for testing and evaluation shall be seven (7) working 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 120 calendar 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 90 calendar days after receipt 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.** 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, 2010 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 or service 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 to be shipped direct to WVDOH Training Academy, Post Office Box 610, Buckhannon, West Virginia 26201 prior to delivery of the pilot.

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.

A mandatory minimum two (2) year bumper to bumper basic parts and labor warranty excluding abuse and normal wear items is required for this unit and truck.

**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.**

SPECIFICATIONS OF THE QUOTED UNIT ARE AS FOLLOWS:

### 7.0 CAB AND CHASSIS:

**Minimum two (2) year basic bumper to bumper warranty.**

7.1 GVW plate rating: 32,000 lbs.

7.2 Cab to axle dimensions to be 102 inches minimum.

7.3 Wheel base to be 172 inches.

7.4 **Manufacturer shall provide a frame that meets or exceeds all Federal requirements for GVWR specified that extends forward beyond the grille a minimum of 12 inches.**

7.4.1 Frame yield strength 110,000 PSI.

7.4.2 R.B.M. 1,100,000.

7.5 Cab should be manufacturer's standard steel, aluminum, and/or fiberglass, equipped with one (1) piece tilt hood and fenders.

7.5.1 Cab door locks, both doors, keyed alike.

7.5.2 Cab to have dual sun visors.

7.5.3 Cab to have arms rests, right and left hand doors.

7.5.4 Seats to be fully adjustable air ride driver's and passenger seat; high back with head rest, cloth covered equipped with 3 point safety belts.

- 7.5.5 Cab to have rubber floor mats throughout cab area.
- 7.5.6 Manufacturer's standard turn signals, self-canceling type with 4-way hazardous flashers.
- 7.5.7 Cab to have manufacturer's heaviest duty heater and defroster.
- 7.5.8 **Windshield wipers and washers shall be manufacturer's heaviest duty type with intermittent features. Washer system to have largest reservoir offered by manufacturer.**
- 7.5.9 Unit to be equipped with Manufacturer's AM and FM radio.
- 7.6 Instruments: Manufacturer's gauges; to feature warning lights, and/or buzzers, and/or area of unsafe operation in red background to inform operator when operating conditions are exceeded.
  - 7.6.1 Engine oil pressure gauge with warning buzzer or light.
  - 7.6.2 Engine coolant temperature with warning buzzer or light.
  - 7.6.3 Voltmeter or Ammeter
  - 7.6.4 Engine RPM Tachometer
  - 7.6.5 Speedometer with odometer
  - 7.6.6 Primary air pressure with warning buzzer or light.
  - 7.6.7 Auxiliary air pressure with warning buzzer or light.
  - 7.6.8 Air filter restriction indicator (dash mounted).
  - 7.6.9 Engine hour meter (controlled by engine operation, not by key switch).
  - 7.6.10 Fuel gauges(s)
  - 7.6.11 Rear view mirrors are to be dual, heated west coast type, approximately 7 x 16 inches adjustable, with convex mirror with powder coat finish, stainless steel or aluminum or composite housing and mounting brackets.
  - 7.6.12 Grab handles for right hand and left hand sides of cab, rear of door opening.
  - 7.6.13 **Manufacturer's standard backup alarm, must be OSHA approved.**

- 7.6.14 Manufacturer's standard air horns, cab mounted.
- 7.6.15 Manufacturer's standard air conditioning.
- 7.6.16 Front bumper made to accommodate front mounted hydraulic pump.
- 7.7 Engine:
  - 7.7.1 **Diesel engine to be 230 horsepower minimum at 2300 RPM approximately.**
    - 7.7.1.1 Peak torque 605 approximate
    - 7.7.1.2 **Engine shall be equipped with engine brake: compression, compression/exhaust, or exhaust**
  - 7.7.2 **A single vertical exhaust pipe with horizontal muffler that shall meet all Federal noise abatement requirements. Exhaust to the passenger side of unit. Heat shield on vertical exhaust.**
  - 7.7.3 Heaviest duty O.E.M. filter systems (all) offered.
  - 7.7.4 **Engine manufacturer shall make provisions to mount stationary front hydraulic pump.**
  - 7.7.5 Diesel fuel heater in fuel line system.
  - 7.7.6 **Engine block heater with minimum 1000 watts, 115 v rating to include weather proof spring loaded cap over plug**
  - 7.7.7 Unit to be equipped with dash mounted locking hand throttle, or cruise control feature.
- 7.8 Clutch to be Eaton Fuller, two plate, ceramic 14 inch diameter, mechanical pull type control and with kwik-adjust manual feature or equal (Solo not acceptable).
- 7.9 **Cooling system: The cooling system shall be capable of maintaining engine temperature within the manufacturer's recommended range during continuous operation. The system shall incorporate a thermostat and bypass for warmup and shall be filled with permanent type Dex-Cool rated to a minus 30 degrees F or lower.**

**Unit shall provide adequate temperature control in summer operations (utility hauling in 50°F to 95°F climatic temperatures: Altitude that vehicle will operate in varies from a low elevation of 250 feet above sea level to a high elevation of 4700 feet above sea level with most operating occurring between 400 feet and 2600 feet above sea level.**



The radiator, if required, shall have four (4) inch square (minimum) opening to facilitate the installation of a crankshaft driven PTO drive shaft. The distance between the extreme tip of the radiator fan blade and the centerline of the crankshaft to be a minimum of three (3) inches to insure adequate clearance for PTO driveshaft.

7.10 Fuel Tanks:

7.10.1 Dual tanks with steps.

7.10.2 Capacity is to be 45 gallons each and shall comply with FMVSS.

7.10.3 Filler cap to be chain tethered to fuel tank to prevent loss.

7.11 Electrical System:

7.11.1 Manufacturer's 12 volt negative ground system.

7.11.2 **Alternator capacity shall be 110 AMPS minimum brushless with internal regulator.**

7.11.3 Wiring to be Manufacturer's heavy duty hypalon type encased in wire looms and secured to unit chassis with 12 inches intervals.

7.11.4 **All lighting (number, location, and color) shall conform to the West Virginia Motor Vehicle Code, I.C.C. cab marker lights shall be the armored type.**

7.11.5 Strobe light Target Tech Model Multi-flash, 5x, 12/48 VDC, 11 Jules with dash mounted switch, generating not more than 1.0 UV of interference on a radio receiver with 12 DB of quieting.

7.11.6 Lighting: Weather/shock resistant lights LED type with average amp draw between .045 - .72. Grote/Truck Light or equal. All connections to have sure snap plug assemblies and epoxy sealed electronics to protect against shock and vibration.

7.12 OSHA approved audible back up alarm, electric type

7.13 Manual transmission: Fuller RT8908LL, **transmission torque capacity shall exceed provided engine torque**

7.14 Spicer 1710 series drive line or equivalent featuring greasable main shaft .

7.15 Rear Axle:

7.15.1 Rear axle capacity to be 23,000 lbs Eaton Model 23121 or equivalent.

7.15.2 **Rear spring capacity shall be approximately 23,000 lbs**, auxiliary load stabilizing springs should be 4500 lbs capacity.

7.15.3 Ratio: Gear ratio to be determined by bidder; **however, these vehicles should be capable of obtaining 300 FPM at approximately 1200 RPM and a minimum top road speed of 65 MPH.**

7.16 Front Axle:

7.16.1 **Front axle capacity shall be 12,000 lbs; I-beam type.**

7.16.2 Unit to have heavy duty shock absorbers.

7.16.3 Unit to have Stemco, or equal, clear view hub seals equipped with filler plug.

7.17 Brakes:

7.17.1 **Brakes shall be full air, S-Cam type drum brakes.**

7.17.2 **Compressor:** Manufacturer's selected model, 12.9 CFM minimum.

7.17.3 Service Brake Size:

7.17.3.1 Rear brakes 16 2 inches x 7 inches.

7.17.3.2 Front brake 15 inches x 4 inches.

7.17.3.3 Air Dryer with heater Bendix Westinghouse AD-9 or equal.

7.17.3.4 Parking brakes spring set, air release actuating rear axle service brakes. Instrument panel control.

7.17.3.5 Manufacturer's standard air tanks for service brakes; auxiliary tank for parking brake.

7.17.3.6 Low air pressure warning light and buzzer.

7.17.3.7 **Brakes shall meet or exceed all Federal and State standards.** Divided air tanks are acceptable provided brake system meets or exceeds Federal and State standards.

7.18 Tires and Wheels:

7.18.1 Rim, front and rear 22.5 x 8.25 hub piloted steel disc type.

7.18.2 Tires front and rear 11R22.5G, highway tread, radial, tubeless Goodyear G-159 or equal.

7.19 Manufacturer's standard power steering for front axle specified.

**7.20 Unit shall include all other features considered as standard equipment but not specifically addressed above.**

7.21 Paint:

7.21.1 Cab exterior and interior to be painted Federal Standard White 595A (No. 17875) or approved equal.

7.21.2 Chassis is to be painted Manufacturer's Standard Black.

7.21.3 Grille to be Manufacturer's standard grille paint similar to silver or aluminum in color. Grilles made from bright finish or bright plated material do not require painting.

7.21.4 Wheels and rims are to be painted Blue.

7.21.5 Fuel tanks, steps are to be painted Blue.

**7.22 Detail and Decorative Stripes with Logo shall be installed by successful vendor.**

7.22.1 Approximately 2 inch width with taper at front of hood.

7.22.2 WV DOH logo (to be supplied by WVDOH) is attached (black and white copy) and is approximately 7 inches tall by 7 inches wide. Area behind logo and within 2 inch of logo is not to be striped.

7.22.3 Upper Stripe Color: Dark Blue.

7.22.4 Lower Stripe Color: Gold.

**7.22.5 Striping material shall meet or exceed the requirements of ASTM D4956-91 Type V sheeting, a super high-intensity retroreflective sheeting consisting of microprismatic retroreflective elements. The conspicuity sheetings must meet requirements of NHSTA, D.O.T. 49CFR Part 571 Federal Motor Vehicle Safety standards and be D.O.T. approved.**

- 7.22.6 The sheeting for striping is to be not more than .008" thick having approximately 47,000 micro prisms per square inch and come with an aggressive high tach pressure sensitive adhesive. Reflexite or equal.
- 7.22.7 Successful Bidder should consult with the WVDOH of proposal for striping.
- 7.22.8 Bidder should attach his proposed paint plan with this bid. It should include a proposed striping detail on a cab silhouette sheet. Bidder may modify attached striping plan to fit his particular hood and cab shape.
- 7.22.9 In order to test the adhesive quality of the paint, the DOH, may at its option, require that the Vendor measure adhesion by the criteria setforth in ASTM D3359-74 Method B. A rating of less than 4 on this test would be deemed unacceptable.
- 7.22.10 Manufacturer's standard plant painting procedures for cleaning, degreasing, preparing, priming and painting are sufficient to meet this requirement for painting of cab (white) and chassis (black). Cab will not be painted white over top another finish color.
- 7.22.11 The Department reserves the right to review larger paint samples after award of contract and the right to require subtle color changes. Such changes, if any, will only be used for selecting a suitable paint color to match the WVDOH logo.
- 7.23 Vendor must certify that the unit offered will meet or exceed the Occupational Safety and Health Act of 1970" and subsequent amendments.**
- 7.24 Advertising: Visible decals or name plates or painted on names representing the Manufacturer or mode number or trademark appearing on the exterior surface of the unit should be minimal.
- 7.25 Preventive Maintenance and Operators Orientation/Training:
- 7.25.1 The Manufacturer or Dealer shall provide preventive maintenance/operator orientation seminar to be conducted at the Equipment Division, Buckhannon. All training aids i.e. videos, charts, manuals, etc., to be furnished by successful vendor.**

## 8.0 SPECIFICATIONS AND GUIDELINE FOR THE ASPHALT DISTRIBUTOR:

The equipment furnished under these specifications to be latest improved model in current production, as offered to commercial trade and to be of quality workmanship and material and that all equipment offered under these specifications to be current year.

**Minimum two (2) year basic bumper to bumper warranty.**

### 8.1 Distributor to perform the following:

- 8.1.1 Fill tank by on-board pump from outside source into bottom of tank to eliminate foaming of the product. (emulsified asphalt).
- 8.1.2 **Distributor shall be capable of circulating material in spray bar.**
- 8.1.3 **Unit must spray at a constant preset application rate regardless of variance in truck speed.**
- 8.1.4 Unit to be capable of recirculating material in spray bar to tank.
- 8.1.5 Hand spray wand with 25 feet of three-fourth (3/4) inch hose, swivel connections and brackets for hose storage. **Hose reel shall be included.**
- 8.1.6 **Unit must be capable of returning material in hand spray back to tank.**
- 8.1.7 Proposed unit should pump material back to supply vehicle or another tank.
- 8.1.8 **Pump must be capable of returning material in spray bar to tank by pump suction without reversing the pump direction**
- 8.1.9 **There shall be the capability of controlling all spreading functions, bar height, application rate, bar width and shift from the cab while spreading.**
- 8.1.10 **The circulating system shall have provision for easy draining independently of the tank/pump, and for flushing and cleaning.**

### 8.2 Tank and Fittings:

- 8.2.1 **Capacity shall be 1500 U.S. gallons.**
- 8.2.2 The tank to be oval in cross section, with the long axis horizontal in order to obtain the most advantageous load distribution on the chassis.
- 8.2.3 **The shell material to be ten (10) gauge minimum.**

- 8.2.3.1 **Tank heads to be ten (10) gauge, minimum flanged and dished and welded to tank shell.**
- 8.2.3.2 Surge plates or baffles, spaced for tank strength and surge control.
- 8.2.3.3 **Openings in baffles shall be adequate for the free flow of material and large enough for a crawl through inspection.**
- 8.2.4 **A well on top of the tank to be provided with a minimum wall height of four (4) inches.**
  - 8.2.4.1 A twenty inch manhole to be located inside the well with a hinged, quick-opening cover and fitted with a high temperature gasket. **Must meet current Federal roll over requirements (Reference 8.2.7)**
  - 8.2.4.2 Three (3) inch diameter flow pipe to be fitted inside the well to drain through the bottom of the tank clearing all chassis members.
  - 8.2.4.3 **Unit shall be equipped with roll over protection, which adheres to HM-198A/HM-183 DOT hot asphalt requirement.**
- 8.2.5 **Tank shall have approximately two (2) inches of one (1) lb. density fiberglass insulation with approximately .040 aluminum jacket.**
- 8.2.6 **Tank mountings shall be single blade bolster or saddle design resiliently (steel spring) attached to frame in four (4) positions to allow for any twisting motion, expansion or contraction.**
  - 8.2.6.1 Tank mounting to be on wooden block pads.
- 8.2.7 **Tank design and construction shall meet all applicable Federal cargo tank regulations.**
- 8.3 **Spray Bar:**
  - 8.3.1 Unit to have a twelve (12) foot overall length bar with full internal circulation.
  - 8.3.2 Two (2) foot long, folding wing sections on each side of spray bar, controlled from cab.
  - 8.3.3 **Spray bar shall have hydraulic power folding for road travel.**

- 8.3.4 Spray nozzles multi-material v.slot for seal and chip work with emulsified asphalts and .20-.55 gallon per square yard and 7.5-12 G.P.M. per foot application rates.
- 8.3.5 Spray nozzles to be located outside spray bar.
- 8.3.6 Spray bar to have air cylinder with solenoid cut off control in one (1) foot increments.
- 8.3.7 Spray bar to be capable of raise, lower and shift from side to side.
- 8.3.8 **All bar functions must be controlled from console located in truck cab and also bar shift and lift from ground level at rear control panel.**
- 8.3.9 **Spray bar in folded position must not exceed eight (8) feet.**
- 8.3.10 All air solenoid valves to be equipped with manual overrides for the solenoids.
- 8.3.11 Metering and Gauging to be equipped with a digital readout meter, (gallons/minute) mounted on the cab console, capable of receiving signal transmitted from magnetic sender positioned on the hydraulic drive motor of the asphalt pump.
- 8.3.12 **Bitumeter (feet/minute) shall be truck frame mounted radar device with in cab digital readout.**
- 8.3.13 Tank gauge to be float type internally mounted with mechanical gauge outside, calibrated in fifty (50) gallon increments with gauge readout visible from driver's position through rear view mirror.
- 8.3.14 **Spray bar section wet box mounted between truck frame members at rear of unit. Box will have a top mounted door and is designed to hold bar sections, tools and nozzles in a wash solution.**
- 8.4 Asphalt Pump to be rotary gear, positive displacement type designed to handle all grades of liquid asphalt.
  - 8.4.1 **Pump to have a capacity of 400 gallons per minute with four (4) inch suction and four (4) inch discharge openings minimum.**
  - 8.4.2 **System shall be provided with hydraulic pressure relief valve or by-pass arrangement to eliminate danger of excessive pressure in the lines and permit by-passing of material when valves are closed.**
  - 8.4.3 Strainer(s) readily accessible for cleaning, to be installed in the pump's intake line(s) to prevent foreign objects from entering and damaging the pump.

- 8.4.4 **Pump shall be equipped with a flow gauge located in the truck's cab readily visible to the operator.**
  
- 8.5 **Unit shall be equipped with hydrostatic type transmission.**
  
- 8.5.1 **Hydraulic pump shall be mounted at the front of the truck on frame extensions and be driven by the engine crankshaft.**

  - 8.5.1.1 PTO shaft to have guard(s) to protect the radiator from damage.
  - 8.5.1.2 Hydraulic pump to be hydrostatic type with controls in the truck's cab convenient to operator.

- 8.5.2 **Hydraulic motor to be fixed displacement, piston or vane type, complete with hydraulic reservoir.**

  - 8.5.2.1 A temperature gauge and replaceable element type filter (10 micron) incorporated in the hydraulic system.

- 8.6 **Piping Valves and Screens:**

  - 8.6.1 **Intake piping to be a minimum three (3) inch I.D. with long radius flow bends.**
  - 8.6.2 **Discharge piping to be a minimum two (2) inches to three (3) inches with long radius flow bends.**
  - 8.6.3 **Load screen should be (3/16) inches minimum mesh size, cylindrical construction, full flow, easy clean.**
  - 8.6.4 **Bar screen should be (3/16) inches minimum mesh size, cylindrical construction, full flow, easy clean.**
  - 8.6.5 **Pump screen should be (3/16) inches minimum mesh size, cylindrical construction, full flow, easy clean.**
  - 8.6.6 **Pump suction line to extend a minimum 24 inches from the pump strainer box for easy filling and fitted in such a manner as to eliminate flow-back when fill line is disconnected from the loading hose.**



8.7 Ladder, and Catwalks:

- 8.7.1 **A ladder shall be provided at rear or side of tank for access to top of tank with grip-strut safety steps and hand holds and catwalk for access to upper manhole area.**
- 8.8 Fenders are to be full formed 16 gauge steel fenders over rear axle with rubber flaps.
- 8.9 Heating Flue to have two (2) six (6) inch standard pipe, two (2) pass, full tank length, internally mounted with slip rings and exhaust stack.
- 8.10 Heating System to be high pressure diesel heater type, consisting of an electrically driven blower with an integral fuel pump that draws diesel fuel from the truck tank.
- 8.10.1 **The system shall be complete with flue liners, air control valves, air pressure relief valve, and all pressure relief valves for pressure control.**
- 8.10.2 Operation of heating system to be totally push button.
- 8.11 **Unit shall have a wash down system with electric powered pump, tank, spray hose, and wand.**
- 8.12 **The bitumen pump system shall include a self flushing line from a 25 gallon flushing oil tank or heating system with float level gauge and line to asphalt pump to clean asphalt pump, valve, and circulating system. The flushing oil tank must be located away from burners for safe operation.**
- 8.13 **Unit shall be mounted and tested by manufacturer.**
- 8.14 Loading hoses are to be ten (10) feet by three (3) inches flexible hi-pressure rubber loading hoses with quick acting connector for attaching to filler connection of the Distributor.
- 8.15 **A minimum four (4) inch dial thermometer 50°F - 500°F located in a protected area to register average temperature of tank contents.**
- 8.16 **A frame mounted tool box shall be provided approximately 18 inches wide by 24 inches long by 18 inches deep to store all necessary tools. To have hinged door with flush-type lock. A second tool box approximately 24 inches x 9 inches shall be mounted under the tank side.**

- 8.17 All necessary special tools for operation and maintenance of the distributor shall be provided along with an extra supply of gaskets and pump packing.
- 8.18 Paint with the exception of the aluminum tank covering and trim, and those metallic accessories or fixtures constructed of rust-resistant or plated material not normally painted, the maintenance unit to be painted Dupont Black Enamel No. 99A or equivalent.



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:  
 7011EC04

PAGE:  
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF:  
 BUYER 33  
 304-558-2402

RFQ COPY

TYPE NAME/ADDRESS HERE

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
11/10/2010				

BID OPENING DATE: 11/17/2010 BID OPENING TIME 01:30PM

LINE	QUANTITY	UCP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 1						
THIS ADDENDUM IS ISSUED TO:						
1.) ADDRESS CHANGES MADE TO SPECIFICATIONS AS DISCUSSED AND AGREED UPON DURING MANDATORY PRE-BID MEETING.						
2.) TO EXTEND BID OPENING DATE FROM 11/10/2010 TO 11/17/2010.						
3.) PROVIDE A COPY OF THE MANDATORY PRE-BID ATTENDEE LIST.						
SEE THE ATTACHED						
NO OTHER CHANGES						
0001	1	EA	755-10	ASPHALT DISTRIBUTOR MOUNTED	\$ 138,964.00	\$ 138,964.00
***** THIS IS THE END OF RFQ 7011EC04 ***** TOTAL:						\$ 138,964.00

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Paul Calhoun</i>	TELEPHONE 304-842-3511	DATE 11-17-10
TITLE General Manager	FEIN 54-139-0608-004	ADDRESS CHANGES TO BE NOTED ABOVE

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

PREBID ADDENDUM  
70-11-EC04  
1500 GALLON ASPHALT DISTRIBUTOR  
MOUNTED ON A 32,000 LB. GVW CHASSIS CAB TRUCK

CHANGES TO SPECIFICATIONS:

FROM:

4.2 DELIVERY – (2<sup>nd</sup> Paragraph 2<sup>nd</sup> Sentence)  
Delivery is preferred within 120 calendar days.

TO:

4.2 DELIVERY – (2<sup>nd</sup> Paragraph 2<sup>nd</sup> Sentence)  
Delivery is preferred within 180 calendar days.

FROM:

4.2 DELIVERY – (3<sup>rd</sup> Paragraph)  
**A completed pilot model for inspection must be provided within 90 calendar days after receipt of the purchase agreement by the successful vendor.**

TO:

4.2 DELIVERY – (3<sup>rd</sup> Paragraph)  
**A completed pilot model for inspection must be provided within 150 calendar days after receipt of the purchase agreement by the successful vendor.**

FROM:

7.2 **Cab to axle dimensions to be 102 inches minimum.**

TO:

7.2 **Cab to axle dimensions to be 102 usable inches minimum**

FROM:

7.11.5 Strobe light Target Tech Model Multi-flash, 5x, 12/48 VDC, 11 Jules with dash mounted switch, generating not more than 1.0 UV of interference on a radio receiver with 12 DB of quieting.

TO:

7.11.5 **Strobe light must be equipped with a Class 1 LED beacon**

Page 2  
Prebid Addendum  
70-11-EC04

FROM:

7.21.1 Cab exterior and interior to be painted Federal Standard White 595A (No. 17875) or approved equal.

TO:

7.21.1 Cab exterior and interior to be painted manufacturers standard white.

FROM:

**8.1.8 Pump must be capable of returning material in spray bar to tank by pump suction without reversing the pump direction.**

TO:

**8.1.8 Pump must be capable of returning material in spray bar to tank.**

FROM:

8.2.4.2 Three (3) inch diameter flow pipe to be fitted inside the well to drain through the bottom of the tank clearing all chassis members.

TO:

8.2.4.2 Three (3) inch diameter overflow pipe to be fitted inside the well to drain through the bottom of the tank clearing all chassis members.

FROM:

**8.2.7 Tank design and construction shall meet all applicable Federal cargo tank regulations.**

TO:

**8.2.7 Tank design and construction shall meet all applicable Federal tank regulations.**

FROM:

**8.6.4 Bar screen should be (3/16) inches minimum mesh size, cylindrical construction, full flow, easy clean**

TO:

**8.6.4 Fill line strainer and pump strainer shall be included**



Page 3  
Prebid Addendum  
70-11-EC04

**DELETE:**

**8.6.5 Pump screen should be (3/16) inches minimum mesh size, cylindrical construction, full flow, easy clean.**

PREBID ADDENDUM  
70-11-EC04  
1500 GALLON ASPHALT DISTRIBUTOR  
MOUNTED ON A 32,000 LB. GVW CHASSIS CAB TRUCK

CHANGES TO BIDDER'S EVALUATION REPORT:

NO CHANGE REQUIRED;

X4.2 DELIVERY:

X4.2.1 Delivery date of completed representative unit: 150 Calendar Days After Receipt  
Of Purchase Agreement

X4.2.2 Delivery date of balance of completed units: 180 Calendar Days After Receipt  
Purchase Agreement

FROM:

X7.2 Cab to axle dimensions        inches

TO:

X7.2 Cab to axle dimensions 102 usable inches

FROM:

X7.11.5 Strobe light:                                  Dash mounted switch, generating not more  
than 1.0 UV of interference on a radio receiver with 12 DB of quieting?  
       YES        NO

TO:

X7.11.5 Is strobe light equipped with a Class 1 LED beacon   X   YES        NO

FROM:

X7.21.1 Is cab exterior/interior painted Federal Standard White 595A (No. 17875) or  
approved equal?        YES        NO

TO:

X7.21.1 Is cab exterior and interior manufacturers standard white paint?  
       X YES        NO



Page 2

Bidder's Evaluation Report  
7011EC04

FROM:

X8.1.8 Is pump capable of returning material in spray bar to tank by pump suction  
without reversing the pump direction?  YES  NO

TO:

X8.1.8 Is pump capable of returning material in spray bar to tank  YES  NO

FROM:

X8.2.4.2 Is 3 inch diameter flow pipe as specified fitted in the well which drains through  
the bottom of the tank clearing all chassis members?  YES  NO

TO:

X8.2.4.2 Is the 3 inch diameter overflow pipe as specified fitted in the well which drains  
through the bottom of the tank clearing all chassis members?  
 YES  NO

FROM:

X8.2.7 Does tank design/construction meet all applicable Federal cargo tank regulations?  
 YES  NO

TO:

X8.2.7 Does tank design/construction meet all applicable Federal tank regulations?  
 YES  NO

FROM:

X8.6.4 Is bar screen \_\_\_\_\_ inch mesh size, cylindrical construction, full flow, easy clean?  
 YES  NO

TO:

X8.6.4 Is fill line strainer and pump strainer included?  YES  NO

DELETE:

X8.6.5 Is pump screen \_\_ inch mesh size, cylindrical construction, full flow, easy  
clean\_Y\_N

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
EQUIPMENT DIVISION

BIDDER'S EVALUATION REPORT

PROCUREMENT SPECIFICATIONS FOR OPEN END CONTRACT  
NO. 512-3-H

OPEN END CONTRACT  
1500 GALLON ASPHALT DISTRIBUTOR  
MOUNTED ON A 32,000 LB. GVW CHASSIS CAB TRUCK

NOTE TO BIDDER: Procurement Specification No. 512-3-H, 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. Addendums in order, along with a summary of exception as a separate attachment, should be with Bidder's Evaluation Report. FAILURE TO SUBMIT THIS REPORT, COMPLETE IN ITS ENTIRETY, MAY SUBJECT THE BIDDER TO DISQUALIFICATION.

Reference Requisition No.: 7011EC04

Bidder's Name: RISH EQUIPMENT COMPANY

Address: P. O. BOX 906, BRIDGEPORT, WV 26330

Telephone Number: 304-842-3511

Years Bidder has been registered to do business with the State of West Virginia: 76 YRS.

Years Company has been an authorized dealer for proposed unit: 10 YRS.

X3.2 Have you complied with all mandatory specifications?        YES        NO

X4.2 DELIVERY:

X4.2.1 Delivery date of completed representative unit: 180 Calendar Days After  
Receipt of Purchase Agreement

X4.2.2 Delivery date of balance of completed units: 150 Calendar Days After Receipt of  
Purchase Agreement

NOTE: Vendor should type Bidder's Evaluation Report

The "Bid Schedule" is available for download on Purchasing's Web site at  
[www.state.wv.us/admin/purchase](http://www.state.wv.us/admin/purchase)

X5.0 AWARD CRITERIA;

X5.1 Price per unit:

\$ 138,964.00 per unit

X6.0 SPECIFICATIONS - GENERAL

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

ROSCO MAXIMIZER 3 DISTRIBUTOR                      2011

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 WVDOH.

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

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

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

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

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

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

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

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

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

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

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

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

PARTS:

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

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

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

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

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

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

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

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

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

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

## X6.3 TRAINING:

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

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

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

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

Will an Operator's Manual be furnished directly to Training Academy prior to the delivery of the pilot?  
 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

Is a minimum two (2) year bumper to bumper basic parts and labor warranty excluding abuse and normal wear items included?  
 YES  NO

Describe:  
 \_\_\_\_\_  
 \_\_\_\_\_

## X6.5 WARRANTY AND SERVICE POLICY QUESTIONNAIRE

### THIS FORM MUST BE COMPLETED IN ITS ENTIRETY AND SUBMITTED WITH YOUR BID.

(If additional lines are needed, make copies of form.)

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

STANDARD FACTORY FULL MACHINE WARRANTY WILL APPLY FOR 2 YEARS.

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.

ALL WARRANTY SERVICE TO BE PERFORMED AT MANUFACTURER'S REPRESENTATIVE FACILITY  
UNLESS PRIOR ARRANGEMENTS ARE MADE.

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

BRIDGEPORT, WV; BLUEFIELD, WV; BECKLEY, WV; LOGAN, WV & ST. ALBANS, WV

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: <u>0</u> % discount
B.	Terms: Net 60	Manufacturer's published list price less: <u>0</u> % discount
C.	Terms: Net 90	Manufacturer's published list price less: <u>0</u> % 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	\$ <u>75.00</u> per mechanic hour
B.	Travel Time Charge (Specify if one-way)	\$ <u>75.00</u> per mechanic hour _____ ; port to port _____
C.	Mileage Charge (Specify if one-way)	\$ <u>3.00</u> per vehicle mile _____ ; port to port _____
D.	Field Mechanic Rate	\$ <u>80.00</u> per mechanic hour
E.	Specify period of time that prices are in effect:	<u>1 year</u>
F.	Surcharge for miscellaneous items:	<u>4 % OF LABOR</u> %

**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

**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.

**X7.0 CAB AND CHASSIS:**

Is a minimum two (2) basic bumper to bumper warranty?  YES  NO

Manufacturer: INTERNATIONAL Model: 7300

X7.1 GVW plate rating: 33,000 lbs?

X7.2 Cab to axle dimensions 102" inches?

X7.3 Wheel base 185" inches?

X7.4 Does manufacturers frame meet Federal requirements for GVWR specified and extend forward beyond the grille 12 inches?  YES  NO

X7.4.1 Frame yield strength 120,000 PSI?

X7.4.2 R.B.M. 2,134,800?

X7.5 Is cab provided Manufacturer's standard steel, aluminum, and/or fiberglass, equipped with one (1) piece tilt hood and fenders?  
 YES  NO

X7.5.1 Is cab door locks, both doors, keyed alike?  YES  NO

X7.5.2 Does cab have dual sun visors?  YES  NO

X7.5.3 Does cab have arm rests, right/left hand doors?  YES  NO

X7.5.4 Are seats fully adjustable air ride driver's and passenger side high back with head rest, cloth covered equipped with 3 point safety belts?  
 YES  NO

X7.5.5 Does cab have rubber floor mats throughout cab area?  YES  NO



- X7.5.6 Has manufacturers turn signals, self-canceling type with 4-way hazardous flashers?  YES  NO
- X7.5.7 Does cab have manufacturer's heaviest duty heater and defroster?  YES  NO
- X7.5.8 **Does windshield wipers/washers manufacturers heaviest duty with intermittent features and largest reservoir offered by Manufacturer?**  
 YES  NO
- X7.5.9 Is unit equipped with manufacturers AM/FM radio?  YES  NO
- X7.6 Are manufacturers gauges equipped with warning lights and/or buzzers, and/or area of unsafe operation in red background to inform operator when operating conditions are exceeded?  YES  NO
- X7.6.1 Engine oil pressure gauge with warning buzzer or light?  YES  NO
- X7.6.2 Engine coolant temperature with warning buzzer or light?  YES  NO
- X7.6.3 Voltmeter or ammeter?  YES  NO
- X7.6.4 Engine RPM tachometer?  YES  NO
- X7.6.5 Speedometer with odometer?  YES  NO
- X7.6.6 Primary air pressure with warning buzzer or light?  YES  NO
- X7.6.7 Auxiliary air pressure with warning buzzer or light?  YES  NO
- X7.6.8 Air filter restriction indicator (dash mounted)?  YES  NO
- X7.6.9 Engine hour meter (controlled by engine operation, not by key switch)?  
 YES  NO
- X7.6.10 Fuel gauges?  YES  NO
- X7.6.11 Rear view mirrors dual heated west coast type, 7x16 inch adjustable, with convex mirror and constructed of powder coat finish  YES  NO OR stainless steel  YES  NO OR aluminum  YES  NO OR composite  YES  NO housing and mounting brackets
- X7.6.12 Grab handles mounted for right/left hand sides of cab, rear of door opening?  
 YES  NO

- X7.6.13 Manufacturers standard/OSHA approved backup alarm?  YES  NO
- X7.6.14 Manufacturers standard air horns, cab mounted?  YES  NO
- X7.6.15 Manufacturers standard air conditioning?  YES  NO
- X7.6.16 Front bumper constructed to accommodate front mounted hydraulic pump?  
 YES  NO

## X7.7 Engine:

- X7.7.1 Diesel engine: 230 horsepower at 2300 R.P.M?  
Manufacturer: \_\_\_\_\_ Model: \_\_\_\_\_
- X7.7.1.1 Peak torque 620 lb. ft.
- X7.7.1.2 Is engine equipped with engine brake: compression,  
compression/exhaust, or exhaust?  YES  NO
- X7.7.2 Has single vertical exhaust pipe with horizontal muffler meets Federal noise  
abatement requirements/exhaust to the passenger side of unit/heat shield on  
vertical exhaust?  YES  NO
- X7.7.3 Heaviest duty O.E.M. filter systems (all) provided?  YES  NO
- X7.7.4 Does engine manufacturer make provisions to mount stationary front  
hydraulic pump?  YES  NO
- X7.7.5 Is diesel fuel heater in fuel line system?  YES  NO
- X7.7.6 Engine block heater 1000 watts? 115v rating that includes weather  
proof spring loaded cap over plug  YES  NO
- X7.7.7 Is unit equipped with dash mounted locking hand throttle or cruise control  
feature?  YES  NO
- X7.8 Clutch: EATON FULLER two plate  YES  NO  
Ceramic 14 inch diameter  YES  NO mechanical pull type control and  
with kiwk-adjust manual feature  YES  NO

X7.9 Is cooling system capable of maintaining engine temperature within the engine manufacturer's recommended range during continuous operations, equipped with thermostat and by-pass and filled with permanent type Dex-Cool rated to -30°F?  
 YES  NO

Does unit provide adequate temperature control in summer operations (utility hauling in 50°F to 95°F). Altitude that vehicle will operate in varies from a low elevation of 250 feet above sea level to a high elevation of 4700 feet above sea level w/most operating occurring between 400 feet and 2600 feet above sea level?  
 YES  NO

Does radiator (if required) have 4 inch square opening to facilitate the installation of crankshaft driven PTO drive shaft/the distance between the extreme tip of the radiator fan blade/centerline of the crankshaft should be 3 inches to insure adequate clearance for PTO driveshaft?  
 YES  NO

X7.10 Fuel Tanks:

X7.10.1 Are dual tanks with steps provided?  YES  NO

X7.10.2 Capacity for each tank: \_\_\_\_\_ gallons and comply with FMVSS  
 YES  NO

X7.10.3 Is filler cap chain tethered to fuel tank to prevent loss?  YES  NO

X7.11 Electrical System:

X7.11.1 Is manufacturer's 12 volt negative ground system provided?  YES  NO

X7.11.2 Alternator: 45 AMPS brushless with internal regulator?  YES  NO

X7.11.3 Is manufacturer's heavy duty hypalon type wiring encased in wire looms/secured to chassis with 12 inches intervals?  YES  NO

X7.11.4 Does lighting meet WV Motor Vehicles Code, ICC cab marker lights armored type?  YES  NO

X7.11.5 Strobe light: CLASS 1 LED BEACON  
 Dash mounted switch, generating not more than 1.0 UV of interference on a radio receiver with 12 DB of quieting?  YES  NO

X7.11.6 Is lighting weather/shock resistant lights LED type with average amp draw between .045-.72  YES  NO

Manufacturer/Model: INTERNATIONAL 08WPH

Do all connections have sure snap plug assemblies and epoxy sealed electronics to protect against shock and vibration  YES  NO

X7.12 Does unit have an OSHA approved audible back up alarm, electric type  
 YES  NO

X7.13 Manual transmission:

Make and model: FULLER RT8908LL transmission torque capacity  
 exceeds provided engine torque  YES  NO

X7.14 Driveline:

Make and model: SPICER SPL90  
 greasable main shaft  YES  NO

X7.15 Rear Axle:

X7.15.1 Rear axle capacity: 23,000 lbs Make and model: DANA SPICER

X7.15.2 Rear spring capacity: 23,000 lbs.  
 auxiliary load stabilizing springs 4,500 lbs. capacity

X7.15.3 Gear ratio: 3.21 Vehicles are capable of obtaining 300 FPM at  
1200 RPM and Is gear ratio for vehicle capable of obtaining 3 MPH @  
 1500 RPM/a minimum top road speed of 65 MPH?  YES  NO

X7.16 Front Axle:

X7.16.1 Front axle capacity: 12,000lbs. I-beam type  YES  NO

X7.16.2 Does unit have heavy duty shock absorbers?  YES  NO

X7.16.3 Does unit have Stemco or equal, clear view hub seals equipped with filler plug?  
 YES  NO

X7.17 Brakes:

X7.17.1 Are brakes full air, S-Cam type drum brakes?  YES  NO

X7.17.2 Compressor: Model: INTERNATIONAL 12.9 CFM

X7.17.3 Service Brake Size:

X7.17.3.1 Rear brakes 16.2 inches x 7 inches?

X7.17.3.2 Front brakes 15 inches x 4 inches?

X7.17.3.3 Air dryer with heater  YES  NO  
 Manufacturer/model: BENDIX WESTINGHOUSE

- X7.17.3.4 Are parking brakes spring set, air release actuating rear axle service brakes/instrument panel control?  YES  NO
- X7.17.3.5 Are manufacturers standard air tanks for service brakes; auxiliary tank for parking brake?  YES  NO
- X7.17.3.6 Low air pressure warning light/buzzer?  YES  NO
- X7.17.3.7 Will brakes meet Federal/State requirements?  YES  NO  
 Divided air tanks  YES  NO  
 Do they meet Federal/State standards  YES  NO

X7.18 Tires and Wheels:

- X7.18.1 Rim, front and rear: 22.5 x 8.25 hub piloted steel disc type?  YES  NO
- X7.18.2 Tire size front and rear: 11R22.5G
- Tread design G-661 Radial  YES  NO
- Tubeless  YES

- X7.19 Manufacturer's standard power steering for front axle specified?  YES  NO

X7.20 Other standard features not addressed:

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X7.21 Paint:

- X7.21.1 Is cab exterior/interior painted Federal Standard White 595A (No. 17875) or approved equal?  YES  NO
- X7.21.2 Is chassis painted manufacturer's Standard Black?  YES  NO
- X7.21.3 Is grille painted manufacturer's standard silver or aluminum in color?  YES  NO
- X7.21.4 Are wheels/rims painted Blue?  YES  NO
- X7.21.5 Are fuel tanks, steps painted Blue?  YES  NO

**X7.22 Will detail and decorative stripes with logo be installed by successful vendor**

- YES  NO
- X7.22.1 Is approximately 2" width with taper at front hood?  YES  NO
- X7.22.2 Area behind logo and within 1/2" of logo is not to be striped.
- X7.22.3 Is upper stripe color dark blue?  YES  NO
- X7.22.4 Is lower stripe color gold?  YES  NO
- X7.22.5 **Does striping material meet or exceed the requirements of ASTM D4956-91 Type V Sheeting, a super high-intensity retroreflective sheeting consisting of microprismatic retroreflective elements. The conspicuity sheeting must meet requirements of NHSTA, D.O.T. 49CFR Part 571 Federal motor Vehicle Safety standards and be D.O.T. approved.**  YES  NO
- X7.22.6 Is sheeting for striping not more than .008" thick having approx. 47,000 micro prisms per square inch/come w/an aggressive high tach pressure sensitive adhesive. Reflexite or equal?  YES  NO
- X7.22.7 Will successful Bidder consult w/WVDOH of proposal for striping?  YES  NO
- X7.22.8 Have you attached your proposed paint plan with this bid/include a proposed striping detail on a cab silhouette sheet?  YES  NO  
Bidder may modify striping plan to fit his particular hood/cab shape.
- X7.22.9 If requested will vendor submit a sample of paint for testing?  YES  NO
- X7.22.10 Will manufacturers standard plant painting procedures for cleaning, degreasing, preparing, priming and painting meet requirements for painting of cab (white) and chassis (black)?  YES  NO  
CAB WILL NOT BE PAINTED WHITE OVER TOP ANOTHER FINISH COLOR.
- X7.22.11 Will manufacturer after award of contract change the color if necessary to match the WVDOH logo?  YES  NO

**X7.23 Does proposed unit meet or exceed the OSHA act of 1970 to include subsequent changes?** YES  NOX7.24 Does the unit conform to the advertising guidelines?  YES  NO

## X7.25 Preventive Maintenance and Operators Orientation/Training:

X7.25.1 Will training and all training aids be provided as specified?  YES  NO

**X8.0 SPECIFICATIONS AND GUIDELINE FOR THE ASPHALT DISTRIBUTOR:**

The equipment furnished under these specifications to be latest improved model in current production, as offered to commercial trade and to be of quality workmanship and material and that all equipment offered under these specifications to be current year.

Minimum two (2) year basic bumper to bumper warranty  YES  NO

Manufacturer: ROSCO Model: MAXIMIZER II

**X8.1 Distributor:**

- X8.1.1 Is unit filled by on-board pump from outside source into bottom of tank to eliminate foaming of the product (emulsified asphalt)?  YES  NO
- X8.1.2 Does unit circulate material in spray bar?  YES  NO
- X8.1.3 Is spray at a constant preset application rate regardless of variance in truck speed?  YES  NO
- X8.1.4 Is unit capable of recirculating material in spray bar to tank?  YES  NO
- X8.1.5 Is hand spray provided with 25 feet of 3/4 inch" hose, swivel connections/brackets for hose storage?  YES  NO
- X8.1.5.1 Is hose reel provided?  YES  NO
- X8.1.6 Will unit return material in hand spray back to tank?  YES  NO
- X8.1.7 Will proposed unit pump material back to supply vehicle or another tank?  YES  NO
- X8.1.8 Is pump capable of returning material in spray bar to tank by pump suction without reversing the pump direction?  YES  NO
- X8.1.9 Is proposed unit capable of controlling all spreading functions bar height, application rate, bar width and shift from the cab while spreading?  YES  NO
- X8.1.10 Does the circulating system have provision for easy draining independently of the tank/pump and for flushing and cleaning?  YES  NO

## X8.2 Tank and Fittings:

- X8.2.1 Tank capacity: 1500 gallons
- X8.2.2 Is tank oval in cross section with long axis horizontal to obtain the most advantageous load distribution on the chassis   x   YES        NO
- X8.2.3. Shell material:   10   gauge?
- X8.2.3.1 Tank heads:   7   gauge  
Flanged, dished, welded to tank shell?   x   YES        NO
- X8.2.3.2 Surge plates or baffles, spaced for tank strength and surge control?  
  x   YES        NO
- X8.2.3.3 Openings in baffles adequate for free flow of material and large enough for a crawl through inspection   x   YES        NO
- X8.2.4 Well on top of tank provided   x   YES        NO with wall height   4   inches
- X8.2.4.1 Manhole size  22"  inches located inside the well with a hinged, quick-opening cover, fitted with a high temperature gasket?  
  x   YES        NO
- Does it meet current Federal roll over requirements?   x   YES        NO
- X8.2.4.2 Is 3 inch diameter flow pipe as specified fitted in the well which drains through the bottom of the tank clearing all chassis members?  
  x   YES        NO
- X8.2.4.3 Is unit equipped with roll over protection, which adheres to HM-198A/HM-183 DOT hot asphalt requirement?   x   YES        NO
- X8.2.5 Will tank have 2 inches of 1 lb. density fiberglass insulation with .040 aluminum jacket   x   YES        NO
- X8.2.6 Are tank mountings single blade bolster or saddle design resiliently (steel spring) attached to frame in four (4) positions to allow for any twisting motion expansion or contraction?  
  x   YES        NO
- X8.2.6.1 Are tank mountings on wooden block pads?   x   YES        NO
- X8.2.7 Does tank design/construction meet all applicable Federal cargo tank regulations?        YES        NO



## X8.3 Spray Bar:

- X8.3.1 Spray bar overall length 12 feet with full internal circulation?  YES  NO
- X8.3.2 Folding wing length 2 feet on each side of spray bar, controlled from the cab?  
 YES  NO
- X8.3.3 Does the spray bar have hydraulic power folding for road travel?  
 YES  NO
- X8.3.4 Are spray nozzles multi-material v-slot for seal/chip work with emulsified  
asphalts and .20-.55 gallon per square yard and 7.5-12 G.P.M. per foot application  
rates?  YES  NO
- X8.3.5 Are spray nozzles located outside spray bar?  YES  NO
- X8.3.6 Does the spray bar have air cylinder with solenoid cut off control in one foot  
increments?  YES  NO
- X8.3.7 Is spray bar capable of raise, lower and shift from side to side?  YES  NO
- X8.3.8 Can all bar functions be controlled from console located in truck cab and  
also bar shift/lift from ground level at rear control panel?  YES  NO
- X8.3.9 What is width of spray bar in folded position 8 feet?
- X8.3.10 Are all air solenoid valves equipped with manual overrides for the solenoids?  
 YES  NO
- X8.3.11 Are meters and gauges equipped with a digital readout meter, (gallons/minute)  
mounted on the cab console, capable of receiving signal transmitted from  
magnetic sender positioned on the hydraulic drive motor of the asphalt pump?  
 YES  NO
- X8.3.12 Will bitumeter (feet/minute) be truck frame mounted radar device with in  
cab digital readout?  YES  NO
- X8.3.13 Is the tank gauge float type internally mounted with mechanical gauge outside,  
calibrated in fifty (50) gallon increments with gauge readout visible from driver's  
position through rear view mirror?  YES  NO
- X8.3.14 Is spray bar section wet box mounted between truck frame members at rear of  
unit/box have a top mounted door/designed to hold bar sections, tools &  
nozzles in wash solution?  YES  NO

X8.4 Will the asphalt pump be rotary gear, positive displacement type designed to handle all grades of liquid asphalt?  YES  NO

If NO specify \_\_\_\_\_

X8.4.1 Pump capacity 400 GPM. With 4 inch suction and 4 inch discharge openings

X8.4.2 Will the system be provided with hydraulic pressure relieve valve or by-pass arrangement to eliminate danger of excessive pressure in the lines/permit bypassing of material when valves are closed?  YES  NO

X8.4.3 Are the strainer(s) readily accessible for cleaning, installed in the pump's intake line(s) to prevent foreign objects from entering/damaging the pump?  YES  NO

X8.4.4 Will the pump be equipped with a flow gauge located in the truck's cab readily visible to the operator?  YES  NO

X8.5 Is the unit equipped with hydrostatic type transmission?  YES  NO

X8.5.1 Is the hydraulic pump mounted at the front of the truck on frame extensions and driven by the engine crankshaft?  YES  NO

X8.5.1.1 Does the PTO shaft have guards to protect the radiator from damage?  YES  NO

X8.5.1.2 Is the hydraulic pump a hydrostatic type with controls in the truck's cab convenient to operator?  YES  NO

X8.5.2 Will the hydraulic motor be fixed displacement, piston or vane type, complete with hydraulic reservoir?  YES  NO

Specify pump type FIXED, PISTON or VANE TYPE

X8.5.2.1 Is there a temperature gauge/replaceable element type filter (10 micron) incorporated in the hydraulic system?  YES  NO

## X8.6 Piping Valves and Screens:

- X8.6.1 Will the intake piping be a minimum of three (3) inches I.D. with long radius flow bends?  YES  NO
- X8.6.2 Has discharge piping size 2 inches to 3 inches with long radius flow bends?  YES  NO
- X8.6.3 Is load screen 3/16 inch mesh size, cylindrical construction, full flow, easy clean?  YES  NO
- X8.6.4 Is bar screen 3/16 inch mesh size, cylindrical construction, full flow, easy clean?  YES  NO
- X8.6.5 Is pump screen 3/16 inch mesh size, cylindrical construction, full flow, easy clean? \* REMOVED FROM BID\*  YES  NO
- X8.6.6 Is pump suction line extended 24 inches from the pump strainer box for easy filling/fitted in such a manner as to eliminate flow-back when fill line is disconnected from the loading hose?  YES  NO

## X8.7 Ladder and Catwalks:

- X8.7.1 Is there a ladder provided at rear or side of tank for access to top of tank with grip-strut safety steps/hand holds/catwalk for access to upper manhole area?  YES  NO
- X8.8 The fenders are full formed 16 gauge steel fenders over rear axle w/rubber flaps?  YES  NO
- X8.9 Does the heating flue have two (2) six (6) inch standard pipe, two (2) pass, full tank length, internally mounted with slip rings and exhaust stack?  YES  NO
- X8.10 Is the heating system a high pressure diesel heater type, consisting of an electrically driven blower with an integral fuel pump that draws diesel fuel from the truck tank?  YES  NO
- X8.10.1 Is the system complete with flue liners, air control valves, air pressure relief valve, and all pressure relief valves for pressure control?  YES  NO
- X8.10.2 Will the operation of the heating system be totally push button?  YES  NO
- X8.11 Does unit have a wash down system with electric powered pump, tank, spray hose, and wand  YES  NO

X8.12 Does the bitumen pump system include a self flushing line from a 25 gallon flushing oil tank or heating system with float level gauge and line to asphalt pump to clean asphalt pump, valve and circulating system  YES  NO

Is the flushing oil tank located away from burners for safe Operation  YES  NO

X8.13 Will the unit be mounted and tested by the Manufacturer?  YES  NO

X8.14 Loading hoses: Length 15 feet by 3 inches flexible hi-pressure rubber loading hoses with quick acting connector for attaching to filler connection of the distributor?  YES  NO

X8.15 Is there a minimum of four (4) inch dial thermometer 50° F - 500° F located in a protected area to register average temperature of tank contents?  YES  NO

X8.16 Is there a frame mounted tool box provided to store all necessary tools and have a hinged door with flush-type lock?  YES  NO

Specify tool box size: 18" x 24" 18" DEEP

Second tool box mounted under the tank side  YES  NO

Specify second tool box size: 24" x 9"

X8.17 Are all necessary special tools for operation/maintenance of the distributor provided along with an extra supply of gaskets/pump packing?  YES  NO

X8.18 Will paint with exception of the aluminum tank covering/trim/those metallic accessories or fixtures constructed of rust-resistant or plated material not normally painted, the maintenance unit to be painted Dupont Black Enamel No. 99A or equivalent?  YES  NO

State of West Virginia  
**VENDOR PREFERENCE CERTIFICATE**

Certification and application\* is hereby made for Preference in accordance with *West Virginia Code*, §5A-3-37. (Does not apply to construction contracts). *West Virginia Code*, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the *West Virginia Code*. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

1. **Application is made for 2.5% resident vendor preference for the reason checked:**  
 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,  
 Bidder is a partnership, association or corporation resident vendor and 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 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,  
 Bidder is a nonresident vendor which has an affiliate or subsidiary which employs 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; or,
2. **Application is made for 2.5% resident vendor preference for the reason checked:**  
 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; or,
3. **Application is made for 2.5% resident vendor preference for the reason checked:**  
 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 Bidder's 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; or,
4. **Application is made for 5% resident vendor preference for the reason checked:**  
 Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,
5. **Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:**  
 Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,
6. **Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:**  
 Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

Bidder understands if the Secretary of 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) reject the bid; 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 agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of 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.

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.

Bidder: RISH EQUIPMENT COMPANY

Signed: Paul Cabot

Date: 11-17-2010

Title: GENERAL MANAGER

RFQ No. 7011EC04

STATE OF WEST VIRGINIA  
Purchasing Division

**PURCHASING AFFIDAVIT**

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 exceed 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.

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

**WITNESS THE FOLLOWING SIGNATURE**

Vendor's Name: RISH EQUIPMENT COMPANY

Authorized Signature: *Paul Cabret* Date: 11-17-2010

State of *West Virginia*

County of *Harrison*, to-wit:

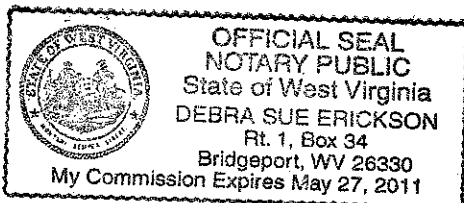
Taken, subscribed, and sworn to before me this *17<sup>TH</sup>* day of *NOVEMBER*, 20 *10*.

My Commission expires *May 27<sup>th</sup>*, 20 *11*.

AFFIX SEAL HERE

NOTARY PUBLIC

*Debra Sue Erickson*





## Asphalt Distributors



# Maximizer II



### Maximizer II Asphalt Distributor

**Features include:**

- 12-foot Fully Circulating Spraybar
- Automatic In-Cab Controls
- Accurate Application from Start to Finish
- Internal Spraybar Valves
- 400 GPM Viking Asphalt Pump
- Enviro-Flush Clean Out System
- Spraybar Extension Options up to 24-foot

LeeBoy has designed and manufactured superior asphalt paving and grading products since 1964. The LeeBoy brand is well-known for its quality and innovative design. This standard of quality provides contractors with dependable, low maintenance equipment with a high re-sale value.

"LeeBoy is dedicated to providing top quality parts and service support on every unit sold."

Contact your  
LeeBoy dealer:

RMAX II/3 02/10-3K  
#13278

Designed with the Paving Professional in Mind.®

# Maximizer II Best In Class

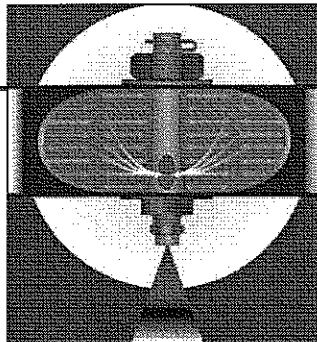
# Lee Boy



*Rosco's Maximizer II asphalt distributor puts the operator in full control from the clean, safe comfort of the cab. Maximizer II's EZ-2S controller controls application rate and spray width in 1-foot sections while on the move. The Viking asphalt pump and clog-free spraybar valves make Maximizer II a reliable work-horse on the job. Clean-up is a snap with the Enviro-Flush clean out system.*

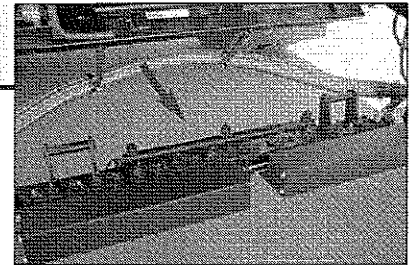
## Clog-Free Valves

Internal spraybar valves are surrounded by hot asphalt during operation and solvent during clean out – eliminates clogging.



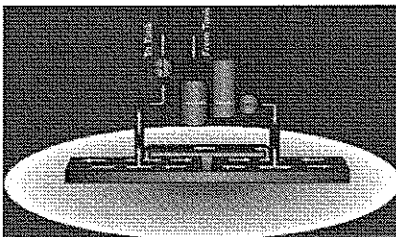
## Center Breakaway

Prevents damage to spraybar from either direction – across entire width of spraybar.



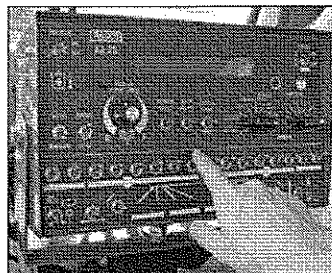
## Full Circulation Spraybar

Full circulation of material flow through entire system prevents build up from tank to spraybar ends. Clean out of pump, valves and spraybar is complete even with heavy grade materials.



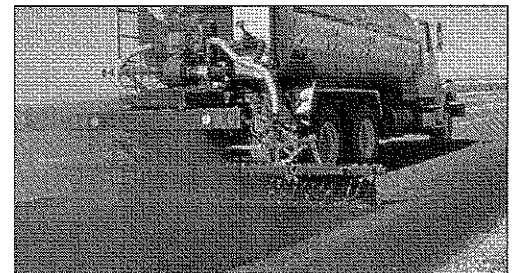
## One-Foot Control Spraybar

Open or close any one-foot section of the spraybar from the cab.



## Spraybar Extensions

Extend width of spraybar by adding spraybar extensions. Hydraulically raise or lower extensions when needed.





## Configuration Checklist

### Maximizer II

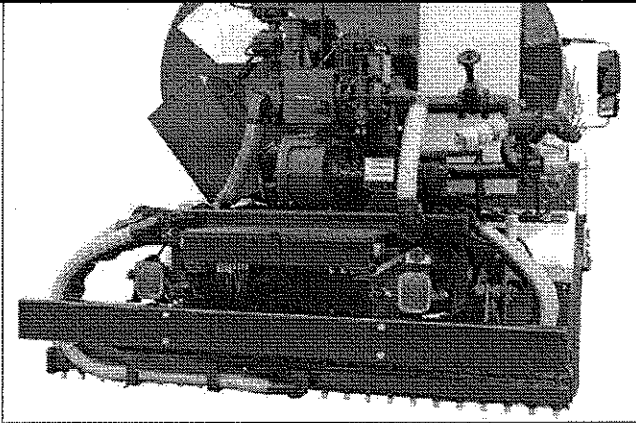
12-month Warranty / Unlimited Hours	✓
1,100- to 4,100-gallon Capacity Tank	✓
400 GPM Viking Asphalt Pump	✓
Manual Spraybar Lock Assembly	✓
8-inch diameter Hi-Lo Double Heating Flue	✓
Diesel-fired Burner with Heat Limit Control	✓
EZ-2S In-Cab Controller with 12-foot Circulating Spraybar	✓
4-inch Dial Thermometer and Armored Pencil Thermometer	✓
1-inch Sampling Valve	✓
Front and Rear Dial Contents Gauges	✓
Single Nozzle Handspray Wand	✓
Meets Federal DOT Hot Asphalt Regulations	✓
In-Cab Control of Spraybar in 1-foot Increments	✓
Enviro-Flush Clean Out System	✓
LPG Burner in lieu of Diesel Burner (52-gallon LP tank)	Optional
Cab Control Folding Wings	Optional
1- or 2-foot Spraybar Extensions	Optional
Wash Down System for Spraybar Cleaning	Optional

## Configuration Checklist

### Maximizer 3

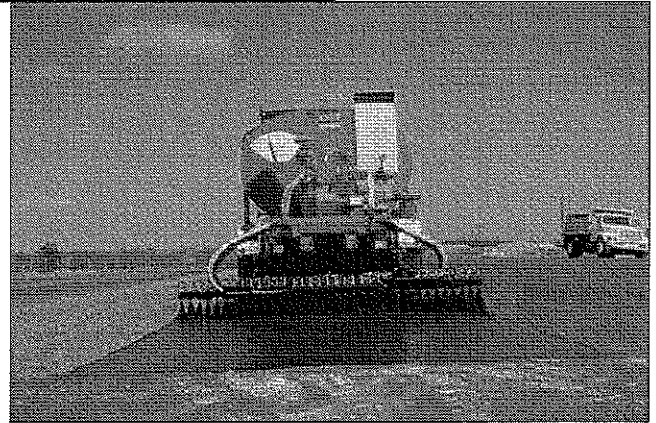
12-month Warranty / Unlimited Hours	✓
1,100- to 4,100-gallon Capacity Tank	✓
400 GPM Viking Asphalt Pump	✓
8- to 16-foot EZ-Spray Extendible Fully Circulating Spraybar	✓
EZ-3S In-Cab Controller	✓
8-inch diameter Hi-Lo Double Heating Flue	✓
Diesel-fired Burner with Heat Limit Control	✓
4-inch Dial Thermometer and Armored Pencil Thermometer	✓
1-inch Sampling Valve	✓
Front and Rear Dial Contents Gauges	✓
Single Nozzle Handspray Wand	✓
Meets Federal DOT Hot Asphalt Regulations	✓
Enviro-Flush Clean Out System	✓
LPG Burner in lieu of Diesel Burner (52-gallon LP tank)	Optional
18- or 20-foot EZ-Spray Extendible, Fully Circulating Spraybar	Optional
Wash Down System for Spraybar Cleaning	Optional

# Maximizer II & 3 Common Features



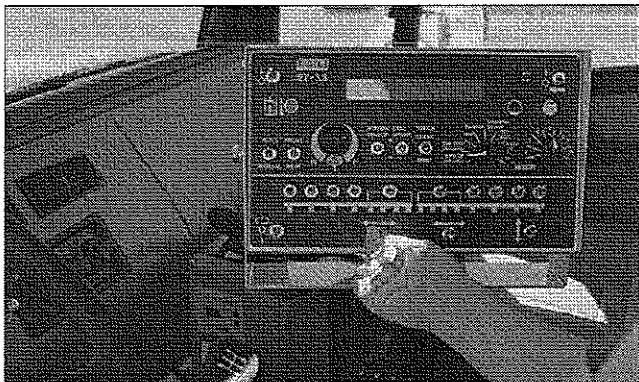
## Viking Asphalt Pump

The Viking asphalt pump minimizes asphalt damage and provides greater reverse suction for full system clean out.



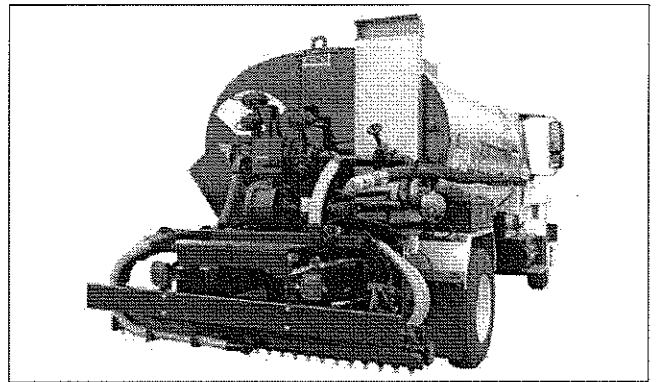
## Clean Starts

Start, stop and restart material flow with a clean, clear line. (Maximizer 3's staggered bar is synchronized to start and stop cleanly.)



## EZ-S Controller

EZ-S Controller controls spray, bar circulate and spray width while on the move. Monitor or change material application as needed. Complete, automatic switching without touching hot valves.

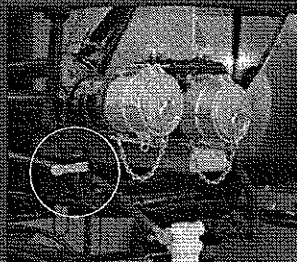


## Automatic Valve Control

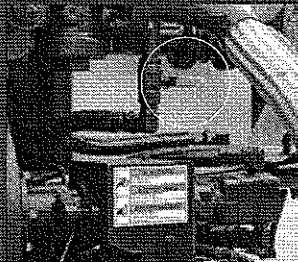
Automatically controlled by the EZ-S Controller, valves make for clean and accurate asphalt movement and distribution.

## How It Works

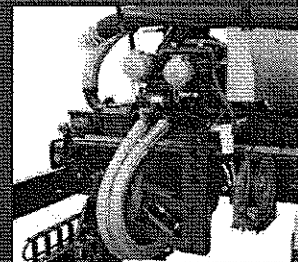
## Enviro-Flush Cleaning System



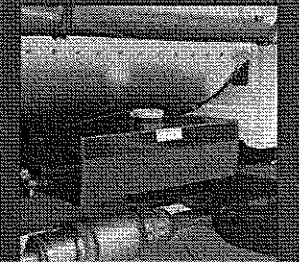
**1** Open Enviro-flush valve and add a small amount of solvent to system.



**2** Open re-circulate valve to flush solvent through entire spray system and bar.



**3** Reopen Enviro-flush valve and reverse pump to return solvent to twenty-five gallon tank to be reused again and again.



**4** Material is contained in tank until it can be disposed at an environmentally safe location.

# Maximizer II Specifications

## CAPACITY

- 1,000 U.S. gallons (3,785 L) to 4,000 gallons (15,142 L) w/overage for expansion

## TANK TYPE

- Elliptical shape
- Full cross section, 10 gauge (3.4 mm) surge plates w/staggered openings
- Meets all applicable Federal tank regulations for asphalt distributors

## TANK MATERIAL

- Steel, 10 gauge (3.4 mm) shell
- 7 gauge (4.5 mm) reinforced and flanged heads
- All seams electrically-welded, inside and out

## INSULATION AND JACKET

- 2-in. (51 mm) thickness with .05 in. (1 mm) weatherproof aluminum jacket

## MANHOLE

- 22-in. (559 mm) diameter with weather-tight and safety relieving cover
- Inside splash guards
- 3-in. (76 mm) diameter overflow
- Steel measuring stick
- Basket type strainer

## SUMP

- 8-in. (203 mm) diameter at rear of tank with cleanout plug
- Suction line from pump includes tank cutoff valve

## HEATING FLUES

- Hi-Lo double flue with 8-in. (203 mm) inside diameter tubing with square return bend configuration

## EXHAUST STACK

- 14 gauge (1.9 mm) stainless steel at rear with hood

## THERMOMETER

- 4-in. (102mm) dial thermometer
- Armored pencil inspectors type, 20 to 500 degrees on side of tank in pipe well
- In cab digital reading

## CONTENTS GAUGE

- Float type, continuous reading in 50-gallon (189 L) increments
- Front and rear tank head mounted

## BURNERS

- Diesel-fired burner(s) with standard electronic ignition
- Or liquid withdrawal LPG burner(s) with pressure regulators and necessary LP connections to frame mount 52-gallon tank, std.
- Optional LPG electronic control (ignition, outfire, temperature limit)

## FLUSH TANK

- 25 gallons (95 L) with connections to asphalt pump for clean out of pump and piping
- Enviro-Flush clean out system for environmentally-friendly handling of cleaning solvent

## AUTO FUNCTION FROM CAB DISTRIBUTOR CONTROLS

- EZ-2S control system for control of all distributor functions from the cab
- Display includes selectable readouts for pump GPM, truck FPM, application rate, spraybar length, distance traveled, gallons sprayed, digital in cab tank contents temperature, flow, speed calibration, spraybar width, hour meter and total area sprayed (including metric readings)
- 6 preset settings for application rate and flow calibration
- Panel includes control for spraybar circulate On/Off, spraybar lift and shift, and auto valve selection for load, transfer, tank circulate, spray, handspray and clean out functions
- Provides accurate application regardless of changes in speed or spraybar width during operation
- Optional cab controls for spraybar wing-folds and control of spraybar in 1-ft. increments

## ASPHALT PUMP

- Viking MV1054, 4-in. (102 mm) 400 GPM/1,514 LPM capacity positive displacement, rotary gear pump
- Located at rear of unit with suction piping to tank sump

## CAB CONTROL

- On/Off controls in cab by spraybar sections
- Spraybar lift and shift
- Auto valve functions
- Optional On/Off of spraybar in 1-ft. (.3 m) increments
- Optional controls in cab and at rear for hydraulic folding of spraybar wing sections

## ASPHALT PUMP DRIVE

- Hydrostatic, variable displacement hydraulic pump, front live power driven (truck chassis must be suitable for front live power), with fixed displacement hydraulic motor
- Control in cab to adjust speed of asphalt pump with additional rear control
- 20-gallon (76 L) hydraulic reservoir
- Optional PTO from transmission drive of hydraulics

## SPRAYBAR

- EZ-Spray, 12-ft (3.7 m) fully circulating spraybar
- Two 4-ft. (1.2 m) center sections and two 2-ft (.6 m) folding sections, 2 compartment sections
- 4-in. (102 mm) nozzle spacing with individual quick disconnect valves for each nozzle
- Power lift and shift of spraybar
- Exclusive two-way safety breakaway feature
- All spray valves are internally mounted for continuous heating and minimized plugging
- Cab control of spraying and circulation

## NOZZLES

- Standard brass V-jet, 4-in. (102 mm) centers

## GROUND SPEED

- GPS to accurately measure speed and distance traveled
- Optional radar horn

## MISCELLANEOUS EQUIPMENT

- Transfer valve with quick coupler
- Back-up alarm
- Single nozzle handspray wand with 25-ft. (7.6 m) hose
- Rear bumper

## OPTIONAL EQUIPMENT

- Rubber or steel loading hose
- Washdown system
- 4-way power mirror
- 2- or 3-nozzle handspray wand
- 1-ft. (.3 m) spraybar extensions
- 2-ft. (.6 m) spraybar extensions

## FINISH

- Enamel black paint with aluminum

# LeeBoy



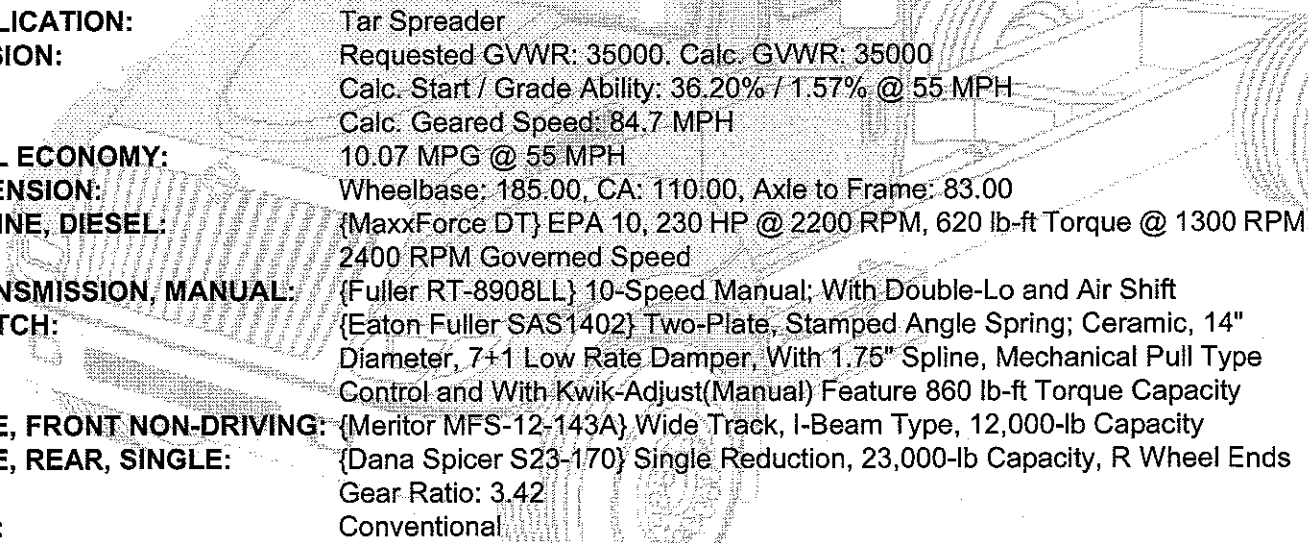
LeeBoy makes continuous improvements in all its products. We reserve the right to change specifications without notice. Photos and illustrations may contain standard and optional equipment.

**Prepared For:**  
ROSCO - # 7004-01 WV DOT  
Rosco Mfg.  
500 Lincoln County Parkway Ext.  
Lincolnton, NC 28092-6132  
(704)966 - 3317

**Presented By:**  
GREAT PLAINS INTL, INC  
Robin Kunz  
4511 NORTH CLIFF  
SIOUX FALLS SD 57104 -  
(605)336-3820

Thank you for the opportunity to provide you with the following quotation on a new International truck. I am sure the following detailed specification will meet your operational requirements, and I look forward to serving your business needs.

**Model Profile**  
**2012 7300 SFA 4X2 (SA515)**



**APPLICATION:** Tar Spreader  
**MISSION:** Requested GVWR: 35000, Calc. GVWR: 35000  
 Calc. Start / Grade Ability: 36.20% / 1.57% @ 55 MPH  
 Calc. Geared Speed: 84.7 MPH  
**FUEL ECONOMY:** 10.07 MPG @ 55 MPH  
**DIMENSION:** Wheelbase: 185.00, CA: 110.00, Axle to Frame: 83.00  
**ENGINE, DIESEL:** {MaxxForce DT} EPA 10, 230 HP @ 2200 RPM, 620 lb-ft Torque @ 1300 RPM, 2400 RPM Governed Speed  
**TRANSMISSION, MANUAL:** {Fuller RT-8908LL} 10-Speed Manual; With Double-Lo and Air Shift  
**CLUTCH:** {Eaton Fuller SAS1402} Two-Plate, Stamped Angle Spring; Ceramic, 14" Diameter, 7+1 Low Rate Damper, With 1.75" Spline, Mechanical Pull Type Control and With Kwik-Adjust(Manual) Feature 860 lb-ft Torque Capacity  
**AXLE, FRONT NON-DRIVING:** {Meritor MFS-12-143A} Wide Track, I-Beam Type, 12,000-lb Capacity  
**AXLE, REAR, SINGLE:** {Dana Spicer S23-170} Single Reduction, 23,000-lb Capacity, R Wheel Ends Gear Ratio: 3.42  
**CAB:** Conventional  
**TIRE, FRONT:** (2) 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply  
**TIRE, REAR:** (4) 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply  
**SUSPENSION, RR, SPRING, SINGLE:** Vari-Rate; 23,500-lb Capacity, With 4500 lb Auxiliary Rubber Spring  
**PAINT:** Cab schematic 100GM  
 Location 1: 9219, Winter White (Std)  
 Chassis schematic N/A

<u>Code</u>	<u>Description</u>
SA51500	Base Chassis, Model 7300 SFA 4X2 with 185.00 Wheelbase, 110.00 CA, and 83.00 Axle to Frame.
1570	TOW HOOK, FRONT (2) Frame Mounted
1CAG	FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.250" x 3.610" x 0.375" (260.4mm x 91.7mm x 9.5mm); 456.0" (11582mm) Maximum OAL
1LLA	BUMPER, FRONT Steel, Swept Back  <u>Includes</u> : BUMPER, FRONT Powder Coated Gray (Argent) Color
1LZG	SPECIAL FRAME PIERCING for Rosco Manufacturing Company
1WDS	FRAME EXTENSION, FRONT Integral; 20" In Front of Grille
1WEV	WHEELBASE RANGE 146" (370cm) Through and Including 195" (495cm)
2ARW	AXLE, FRONT NON-DRIVING {Meritor MFS-12-143A} Wide Track, I-Beam Type, 12,000-lb Capacity  <u>Notes</u> : The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.
3ADC	SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 12,000-lb Capacity; With Shock Absorbers  <u>Includes</u> : SPRING PINS Rubber Bushings, Maintenance-Free  <u>Notes</u> : The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.
4091	BRAKE SYSTEM, AIR Dual System for Straight Truck Applications  <u>Includes</u> : BRAKE LINES Color and Size Coded Nylon : DRAIN VALVE Twist-Type : DUST SHIELDS, FRONT BRAKE : DUST SHIELDS, REAR BRAKE : GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster : PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel : PARKING BRAKE VALVE For Truck : QUICK RELEASE VALVE Bendix On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4 : SLACK ADJUSTERS, FRONT Automatic : SLACK ADJUSTERS, REAR Automatic : SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4  <u>Notes</u>

<u>Code</u>	<u>Description</u>
	: Rear Axle is Limited to 23,000-lb GAWR with Code 04091 BRAKE SYSTEM, AIR and Standard Rear Air Cam Brakes Regardless of Axle/Suspension Ordered.
4732	DRAIN VALVE {Berg} Manual; With Pull Chain, for Air Tank  <u>Includes</u> : DRAIN VALVE Mounted in Wet Tank
4AZA	AIR BRAKE ABS {Bendix AntiLock Brake System} Full Vehicle Wheel Control System (4-Channel)
4EBS	AIR DRYER {Bendix AD-9} With Heater  <u>Includes</u> : AIR DRYER LOCATION Inside Left Rail, Back of Cab
4ESX	BRAKE CHAMBERS, FRONT AXLE {Haldex} 20 SqIn
4EVL	BRAKE CHAMBERS, REAR AXLE {Haldex GC3030LHDHO} 30/30 Spring Brake  <u>Includes</u> : BRAKE CHAMBERS, SPRING (2) Rear Parking; WITH TRUCK BRAKES: All 4x2, 4x4; WITH TRACTOR BRAKES: All 4x2, 4x4; 6x4 & 6x6 with Rear Tandem Axles Less Than 46,000-lb. or GVWR Less Than 54,000-lb.
4JCG	BRAKES, FRONT, AIR CAM S-Cam; 15.0" x 4.0"; Includes 20 Sq. In. Long Stroke Brake Chambers  <u>Notes</u> : Front Axle with 14,000-lb GAWR is Limited to 13,200-lb GAWR when used in Conjunction with 15" BRAKES, FRONT, AIR CAM. : The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.
4NDB	BRAKES, REAR, AIR CAM S-Cam; 16.5" x 7.0"; Includes 30/30 Sq.In. Long Stroke Brake Chamber and Spring Actuated Parking Brake  <u>Notes</u> : The following features should be considered when calculating Rear GAWR: Rear Axles; Rear Suspension; Brake System; Brakes, Rear Air Cam; Brake Shoes, Rear; Special Rating, GAWR; Wheels; Tires.
4SBC	AIR COMPRESSOR {Bendix Tu-Flo 550} 13.2 CFM Capacity
5710	STEERING COLUMN Tilting and Telescoping
5CAL	STEERING WHEEL 2-Spoke, 18" Diam., Black
5PSA	STEERING GEAR {Sheppard M-100} Power
7BHU	EXHAUST SYSTEM Single, Horizontal, Aftertreatment Device Frame Mounted Right Side Back of Cab; Includes Vertical Tail Pipe & Guard  <u>Includes</u> : EXHAUST HEIGHT 10' Exhaust Height - Based on Empty Chassis with Standard Components (+ or - 1" Height)

<u>Code</u>	<u>Description</u>
	: MUFFLER/TAIL PIPE GUARD Non-Bright Finish
7SCZ	ENGINE EXHAUST BRAKE for MaxxForce I6 Engines, Electronically Activated
8000	ELECTRICAL SYSTEM 12-Volt, Standard Equipment
	<u>Includes</u>
	: BATTERY BOX Steel with Plastic Lid
	: DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab
	: FUSES, ELECTRICAL SAE Blade-Type
	: HAZARD SWITCH Push On/Push Off, Located on Top of Steering Column Cover
	: HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever
	: HEADLIGHTS (2) Sealed Beam, Round, with Chrome Plated Bezels
	: HORN, ELECTRIC Single
	: JUMP START STUD Located on Positive Terminal of Outermost Battery
	: PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light
	: RUNNING LIGHT (2) Daytime, Included With Headlights
	: STARTER SWITCH Electric, Key Operated
	: STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector
	: TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature
	: TURN SIGNALS, FRONT Includes Reflectors and Auxiliary Side Turn Signals, Solid State Flashers; Flush Mounted
	: WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever
	: WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted
	: WIRING, CHASSIS Color Coded and Continuously Numbered
8518	CIGAR LIGHTER Includes Ash Cup
8718	POWER SOURCE Cigar Type Receptacle without Plug and Cord
8GHE	ALTERNATOR {Leece-Neville BLP2361H} Brushless, 12 Volt 185 Amp. Capacity, Pad Mounted, with Remote Voltage Sensor
8HAB	BODY BUILDER WIRING Back of Standard Cab at Left Frame or Under Extended or Crew Cab at Left Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/ Accessory Power/Ground and Sealed Connector for Stop/Turn
8MEZ	BATTERY SYSTEM {International} Maintenance-Free, (2) 12-Volt 1850CCA Total
8RJV	RADIO {International} AM/FM Stereo With Weatherband, Clock, Auxiliary Input, Includes Multiple Speakers
	<u>Includes</u>
	: SPEAKERS IN CAB (2) Dual-Cone with Deluxe Interior
	: SPEAKERS IN CAB (4) Coaxial with Premium Interior
8THB	BACK-UP ALARM Electric, 102 dBA
8TKB	STOP, TURN, TAIL & B/U LIGHTS {Truck Lite} Super 44, With LED Bulbs for Stop, Turn & Tail Lights and Truck Lite Super 40 for Backup lights, With Power Module, "International" Termination and Less Junction Box

<u>Code</u>	<u>Description</u>
8WCL	HORN, AIR Black, Single Trumpet, Air Solenoid Operated
8WML	HEADLIGHTS Long Life Halogen; for Two Light System
8WPH	CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade
8WTK	STARTING MOTOR {Delco Remy 38MT Type 300} 12 Volt; less Thermal Over-Crank Protection
8WWJ	INDICATOR, LOW COOLANT LEVEL With Audible Alarm
8XAH	CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III With Trip Indicators, Replaces All Fuses Except For 5-Amp Fuses
9HAN	INSULATION, UNDER HOOD for Sound Abatement
9HBM	GRILLE Stationary, Chrome
9HBN	INSULATION, SPLASH PANELS for Sound Abatement
9WBC	FRONT END Tilting, Fiberglass, With Three Piece Construction; for 2007 Emissions
10060	PAINT SCHEMATIC, PT-1 Single Color, Design 100
	<u>Includes</u> : PAINT SCHEMATIC ID LETTERS "GM"
10761	PAINT TYPE Base Coat/Clear Coat, 1-2 Tone
11LEY	CLUTCH {Eaton Fuller SAS1402} Two-Plate, Stamped Angle Spring; Ceramic, 14" Diameter, 7+1 Low Rate Damper, With 1.75" Spline, Mechanical Pull Type Control and With Kwik-Adjust(Manual) Feature 860 lb-ft Torque Capacity
	<u>Includes</u> : CLUTCH RELEASE BEARING Greasable
12851	PTO EFFECTS, ENGINE FRONT Less PTO Unit, Includes Adapter Plate on Engine Front Mounted
12959	BLOCK HEATER, ENGINE {Phillips} 120 Volt/1250 Watt
	<u>Includes</u> : BLOCK HEATER SOCKET Receptacle Type; Mounted below Drivers Door
12NUL	ENGINE, DIESEL {MaxxForce DT} EPA 10, 230 HP @ 2200 RPM, 620 lb-ft Torque @ 1300 RPM, 2400 RPM Governed Speed
	<u>Includes</u> : AIR COMPRESSOR AIR SUPPLY LINE Naturally-Aspirated : COLD STARTING EQUIPMENT Intake Manifold Electric Grid Heater with Engine ECM Control : CRUISE CONTROL Electronic; Controls Integral to Steering Wheel : ENGINE OIL DRAIN PLUG Magnetic : ENGINE SHUTDOWN Electric, Key Operated : FUEL FILTER Included with Fuel/Water Separator



<u>Code</u>	<u>Description</u>
	: FUEL/WATER SEPARATOR Fuel/Water Separator and Fuel Filter in a Single Assembly; With Water-in-Fuel Sensor; Engine Mounted : GOVERNOR Electronic : OIL FILTER, ENGINE Spin-On Type : WET TYPE CYLINDER SLEEVES
12TSY	FAN DRIVE {Borg-Warner SA85} Viscous Type, Screw On  <u>Includes</u> : FAN Nylon
12UWY	RADIATOR Cross Flow, Series System; 1228 SqIn Aluminum Radiator Core and 1167 SqIn Charge Air Cooler  <u>Includes</u> : ANTI-FREEZE Red Shell Rotella Extended Life Coolant; -40 Degrees F/ -40 Degrees C; for MaxxForce Engines : DEAERATION SYSTEM with Surge Tank : HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps : RADIATOR HOSES Premium, Rubber
12UXG	FEDERAL EMISSIONS for 2010; MaxxForce DT Engines
12VBC	AIR CLEANER Single Element  <u>Includes</u> : GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted
12VXV	THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Mobile, Variable Speed; (Range 2 to 20 MPH) Mounted on Steering Wheel
12VZA	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control for MaxxForce post 2007 Emissions Electronic Engines
12WZC	EMISSION COMPLIANCE 5 Min., Tamper-Proof Engine Shutdown System, Complies With California Clean Air Regulations, Does Not Certify Engine for Low-NOx Extended Idling
13GJR	TRANSMISSION, MANUAL {Fuller RT-8908LL} 10-Speed Manual; With Double-Lo and Air Shift  <u>Includes</u> : CLUTCH BRAKE Torque Limiting : FILL PLUG, MAGNETIC
14AHB	AXLE, REAR, SINGLE {Dana Spicer S23-170} Single Reduction, 23,000-lb Capacity, R Wheel Ends . Gear Ratio: 3.42  <u>Includes</u> : REAR AXLE DRAIN PLUG (1) Magnetic, For Single Rear Axle

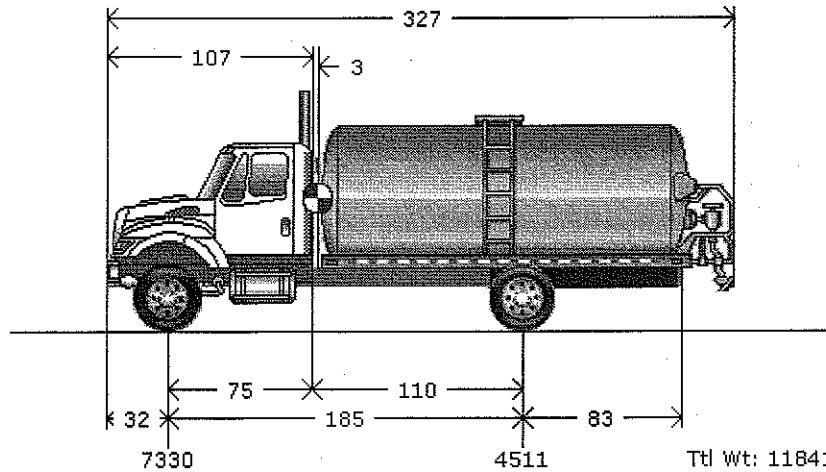
Notes

<u>Code</u>	<u>Description</u>
	: The following features should be considered when calculating Rear GAWR: Rear Axles; Rear Suspension; Brake System; Brakes, Rear Air Cam; Brake Shoes, Rear; Special Rating, GAWR; Wheels; Tires. : When Specifying Axle Ratio, Check Performance Guidelines and TCAPE for Startability and Performance
14VAH	SUSPENSION, RR, SPRING, SINGLE Vari-Rate; 23,500-lb Capacity, With 4500 lb Auxiliary Rubber Spring
	<u>Notes</u> : The following features should be considered when calculating Rear GAWR: Rear Axles; Rear Suspension; Brake System; Brakes, Rear Air Cam; Brake Shoes, Rear; Special Rating, GAWR; Wheels; Tires.
15DMW	FUEL TANK (2) Top Draw; D Style, Non Polished Aluminum, 50 U.S. Gal., Total Capacity 100 U.S. Gal., 378 L; 16" Tank Depth, Mounted Under Cab Left and Right Side
15LKG	FUEL/WATER SEPARATOR With Thermostatic Fuel Temperature Controlled Electric Heater, and Filter Restriction/Change Indicator, Includes Standard Equipment Water-in-Fuel Sensor
16030	CAB Conventional
	<u>Includes</u> : ARM REST (2) Molded Plastic; One Each Door : CLEARANCE/MARKER LIGHTS (5) Flush Mounted : COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window : CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel : DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted : GLASS, ALL WINDOWS Tinted : GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side : GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side : INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior Color : STEP (4) Two Steps Per Door
16HBA	GAUGE CLUSTER English With English Electronic Speedometer
	<u>Includes</u> : GAUGE CLUSTER (6) Engine Oil Pressure (Electronic), Water Temperature (Electronic), Fuel (Electronic), Tachometer (Electronic), Voltmeter, Washer Fluid Level : ODOMETER DISPLAY, Miles, Trip Miles, Engine Hours, Trip Hours, Fault Code Readout : WARNING SYSTEM Low Fuel, Low Oil Pressure, High Engine Coolant Temp, and Low Battery Voltage (Visual and Audible)
16HHE	GAUGE, AIR CLEANER RESTRICTION {Filter-Minder} With Black Bezel Mounted in Instrument Panel
16HKT	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

<u>Code</u>	<u>Description</u>
16JNV	SEAT, DRIVER {National 2000} Air Suspension, High Back With Integral Headrest, Cloth, Isolator, 1 Chamber Lumbar, 2 Position Front Cushion Adjust, -3 to +14 Degree Back Angle Adjust  <u>Includes</u> : SEAT BELT 3-Point, Lap and Shoulder Belt Type
16RPX	SEAT, PASSENGER {National} Air-Suspension, High Back With Integral Headrest, Cloth, Isolated, 1 Chamber Lumbar, 2 Position Front Cushion Adjustment, -3 to +14 Degree Seat Back Adjustment  <u>Includes</u> : SEAT BELT 3-Point, Lap and Shoulder Belt Type
16SDC	GRAB HANDLE (2) Chrome Towel Bar Type With Anti-Slip Rubber Inserts; for Cab Entry, Mounted Left and Right, Each Side at "B" Pillar
16SDT	MIRRORS (2) {Lang Mekra} Styled; Rectangular, 7.09" x 15.75" & Integral Convex Both Sides, 102" Inside Spacing, Breakaway Type, Heated Heads Thermostat Controlled, Power Both Sides Flat Glass Only, Clearance Lights LED,
16WCT	AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster  <u>Includes</u> : CLAMPS, HEATER HOSE Mubea Constant Tension Clamps : HEATER HOSES Premium : REFRIGERANT Hydrofluorocarbon HFC-134A
16WJS	INSTRUMENT PANEL Center Section, Flat Panel
16WKY	HVAC FRESH AIR FILTER
16WRX	CAB INTERIOR TRIM Deluxe  <u>Includes</u> : "A" PILLAR COVER Molded Plastic : CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering : CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket : DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors : FLOOR COVERING Rubber, Black : HEADLINER Soft Padded Cloth : INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section : STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door : SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console
16WSK	CAB REAR SUSPENSION Air Bag Type
27DMA	WHEELS, FRONT DISC; 22.5" Painted Steel, 2 Hand Hole, 10 Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs  <u>Includes</u>

<u>Code</u>	<u>Description</u>
	: PAINT IDENTITY, FRONT WHEELS White
	<u>Notes</u> : Compatible Tire Sizes: 11R22.5, 12R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5, 295/75R22.5, 295/80R22,5
28DMA	WHEELS, REAR DUAL DISC; 22.5" Painted Steel, 2 Hand Hole, 10-Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8.25 DC Rims; With Steel Hubs
	<u>Includes</u> : PAINT IDENTITY, REAR WHEELS White
	<u>Notes</u> : Compatible Tire Sizes: 11R22.5, 12R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5, 295/75R22.5, 295/80R22,5
7372138107	(2) TIRE, FRONT 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply
7372138107	(4) TIRE, REAR 11R22.5 G661 HSA (GOODYEAR) 497 rev/mile, load range G, 14 ply
	Cab schematic 100GM Location 1: 9219, Winter White (Std) Chassis schematic N/A
	<b>Services Section:</b>
40CNK	SRV CONTRACT, EXT VEH COVERAGE To 24-Month/ 200,000 Miles (320,000 km), for Use with Manual Transmission, Covers 100% Parts and Labor, Excludes Extending Warranty for Engine and Allison Transmission

**Weight Summary**  
**2012 7300 SFA 4X2 (SA515)**



Graphics are provided as visual aids only and are not intended to represent the actual scale, shape, or color of the truck or its components. All weights are represented in lbs.

Truck			Body/Trailer			Chassis/Empty Weights		
Bumper to Axle	(BA)	32.0	Body Length	(BL)	217	Tractor Front Axle:		7,329
Wheelbase	(WB)	185.00				Tractor Rear Axle:		4,510
Axle to Frame	(AF)	83.00						
Axle to Back Cab	(ABC)	75						
Cab to Axle	(CA)	110						
Usable CA		110						
CA Reduction Adjustment		0						
Fuel (Gals)		0						

Before the Cab			Cab			Payloads Chassis			Body			After the Body		
#	Weight	CG	#	Weight	CG	#	Weight	CG	#	Weight	CG	#	Weight	CG
						1			1		0			

Loads			Weight Distribution		
Payload Weight:		1	Total Front Axle:		7,330
Driver:		0	Total Rear Axle:		4,511
Fuel(lbs):		0	Total Weight:		11,841

Weights and clearances in this proposal are estimates only. Navistar, Inc. is not liable for any consequences resulting from any differences between the estimated weights and clearances and the actual manufactured weights and clearances.

**Weight Distribution**

All weights are represented in lbs.

	<u>Truck</u>		
	Front	Rear	Total
<b><u>Chassis Weight</u></b>			
Chassis Weight:	7,329	4,510	11,839
Fuel:	0	0	0
Empty Body:	0	1	1
<b>(Curb Weight):</b>	<b>7,329</b>	<b>4,511</b>	<b>11,840</b>

**Loads**

Payloads:	1	0	1
Driver:	0	0	0
<b>Axle Totals (Gross Weight):</b>	<b>7,330</b>	<b>4,511</b>	<b>11,841</b>

**Weight Ratings**

	<u>Truck</u>	
	Front	Rear
Axle(axle capacity)	12,000	23,000
Tire(tire capacity)	12,350	24,700
Suspension(suspension capacity)	12,000	23,500
Spring:	0	
Fed Bridge Law (axle spread):	20,000	20,000
<b>Wheel Combination</b>	<b>Load</b>	<b>Limit</b>
1 - 2	11,841	45,000

Federal Total Vehicle Weight Limit: 80,000

Maximum Gross Vehicle Weight Rating (GVWR) 35,000 - Gross Vehicle Weight(GVW) 11,841 = 23,159 Reserves

**Weight Summary**

\* Distributed weights are within capacity limits



LeeBoy  
688 North Highway 16  
Denver, NC 28037  
[www.leeBoy.com](http://www.leeBoy.com)

## TWO (2) YEAR LIMITED WARRANTY

### WARRANTY

1. If a defect in material or workmanship is found and the authorized Dealer is notified during the warranty period, LeeBoy will repair or replace any part or component of the unit or part that fails to conform to the warranty during the warranty period.
2. The warranty will begin upon the completion of the warranty form by the initial customer and will expire after (24) months have passed. The Warranty Card must be filled out within ten (10) days of delivery of the unit.
3. Engines and truck chassis are warranted by their manufacturers and may have warranty coverage that differs from that of LeeBoy.
4. Replacement parts furnished by LeeBoy are covered for the remainder of the warranty period applicable to the unit or component in which such parts are installed.
5. LeeBoy has the right to repair any component or part before replacing it with a new part.
6. All new replacement parts purchased by a LeeBoy dealer will carry a six (6) month warranty. Remanufactured parts purchased by a LeeBoy dealer will carry a ninety (90) day warranty.

### LIMITATIONS

LeeBoy has no obligation under this warranty for:

1. Any defects caused by misuse, misapplication, negligence, accident or failure to maintain or use in accordance with the most current operating instructions.
2. Unauthorized alterations.
3. Defects or failures caused by any replacement parts or attachments not manufactured by or approved by LeeBoy.
4. Failure to conduct normal maintenance and operating service, including without limitation, providing lubricants, coolant, fuel, tune-ups, inspections or adjustments.

5. Unreasonable delay, as established by LeeBoy, in making the applicable units or parts available upon notification of a service notice ordered by LeeBoy.
6. The warranty responsibility on all engines and/or truck chassis rests with the respective manufacturer.
7. LeeBoy may have support agreements with some engine and/or truck chassis manufacturers for warranty and parts support.

### ITEMS NOT COVERED

LeeBoy is not responsible for the following:

1. Charges for travel time, mileage, or overtime.
2. Charges related to transporting the product to and from the place at which warranty work is performed.
3. Airfreight charges related to transporting repair parts to the place at which warranty work is performed.
4. All used units or used parts of any kind.
5. Repairs due to normal wear and tear, or brought about by abuse or lack of maintenance of the equipment, except for premature failures.
6. Attachments not manufactured or installed by LeeBoy.
7. Liability for incidental or consequential damages of any type, including, but not limited to lost profits or expenses of acquiring replacement equipment.
8. Miscellaneous charges.

### OTHER WARRANTIES

THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESSED, STATUTORY AND IMPLIED WARRANTIES APPLICABLE TO UNITS, ENGINES, OR PARTS WITHOUT LIMITATION. ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR USE OR PURPOSE, IN NO EVENT, WHETHER AS A RESULT OF BREACH OF CONTRACT OR WARRANTY, OR ALLEGED NEGLIGENCE OR LIABILITY WITHOUT FAULT, SHALL LEEBOY BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING WITHOUT LIMITATION, LOSS OF PROFIT OR REVENUE, COST OF CAPITAL, COST OF SUBSTITUTED EQUIPMENT, FACILITIES OR SERVICES, DOWNTIME COSTS, LABOR COSTS OR CLAIMS OF CUSTOMERS, PURCHASERS OR LESSEES FOR SUCH DAMAGES.