



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
7010EC04

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
**MICHAEL AUSTIN
 304-558-2402**

RFQ COPY
 TYPE NAME/ADDRESS HERE
**W.VA.-OHIO MOTOR SALES, INC.
 142 RIVER ROAD
 P.O. BOX 71
 WHEELING, W.VA. 26003**

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

DATE PRINTED 01/20/2010	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
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BID OPENING DATE: **02/24/2010** CHANGED **03-03-10** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	EA		975-66		635,316.00
<p>CONTRACT TO PROVIDE UNDERBRIDGE INSPECTION UNIT</p> <p>OPEN-END CONTRACT</p> <p>TO PROVIDE UNDERBRIDGE INSPECTION UNIT - LARGE FOR THE WEST VIRGINIA DIVISION OF HIGHWAYS. PER THE ATTACHED SPECIFICATIONS.</p> <p>MANDATORY PRE-BID</p> <p>A MANDATORY PRE-BID WILL BE HELD ON TUESDAY, 02/09 AT 1:00 PM, EQUIPMENT DIVISION IN BUCKHANNON, WV 26201. 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.</p> <p>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</p>						

RECEIVED
 2010 MAR -3 PM 12:40
 WV PURCHASING DIVISION

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE *[Signature]* TELEPHONE **800-688-7515** DATE **03-03-2010**

TITLE *[Signature]* FEIN ADDRESS CHANGES TO BE NOTED ABOVE

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



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2

ADDRESS CORRESPONDENCE TO ATTENTION OF
**MICHAEL AUSTIN
 304-558-2402**

RFQ COPY
 TYPE NAME/ADDRESS HERE
**W.Va. - Ohio Motor Sales, Inc.
 142 River Road
 P.O. Box 71
 Wheeling, W.Va. 26003**

DIVISION OF HIGHWAYS
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DATE PRINTED 01/20/2010	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
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BID OPENING DATE: **02/24/2010 - CHANGE 03-03-2010 BID OPENING TIME 01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>THEIR E-MAIL ADDRESS AND FAX NUMBER.</p> <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>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 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>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE <i>Chris Boyd</i>	TELEPHONE 800-698-7515	DATE 03-03-2010	
TITLE <i>Salesman</i>	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE	

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



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RFQ COPY
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 W.Va. - Ohio Motor Sales Inc.
 142 River Road
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 Wheeling, W.Va. 26003

DIVISION OF HIGHWAYS
 EQUIPMENT DIVISION
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 BUCKHANNON, WV
 26201 304-472-1750

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
01/20/2010				

BID OPENING DATE: 02/24/2010 ~~Changes~~ 03-03-2010 BID OPENING TIME 01:30PM

LINE	QUANTITY	UCP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE COMMODITIES AND/OR SERVICES SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM WITH THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN.</p> <p>OPEN MARKET CLAUSE: THE DIRECTOR OF PURCHASING MAY AUTHORIZE A SPENDING UNIT TO PURCHASE ON THE OPEN MARKET, WITHOUT THE FILING OF A REQUISITION OR COST ESTIMATE, ITEMS SPECIFIED ON THIS CONTRACT FOR IMMEDIATE DELIVERY IN EMERGENCIES DUE TO UNFORESEEN CAUSES (INCLUDING BUT NOT LIMITED TO DELAYS IN TRANSPORTATION OR AN UNANTICIPATED INCREASE IN THE VOLUME OF WORK).</p> <p>QUANTITIES: QUANTITIES LISTED IN THE REQUISITION ARE APPROXIMATIONS ONLY, BASED ON ESTIMATES SUPPLIES BY THE STATE SPENDING UNIT. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACT SHALL COVER THE QUANTITIES ACTUALLY ORDERED FOR DELIVERY DURING THE TERM OF CONTRACT, WHETHER MORE OR LESS THAN THE QUANTITIES SHOWN.</p> <p>ORDERING PROCEDURE: SPENDING UNIT(S) SHALL ISSUE A WRITTEN EQUIPMENT CONTRACT ORDER (FORM NUMBER WV-35) FOR COMMODITIES COVERED BY THIS CONTRACT. THE ORIGINAL WV-35 MUST BE SENT TO THE PURCHASING DIVISION OF THE DEPARTMENT OF ADMINISTRATION. AFTER APPROVAL AND ENCUMBRANCE, ONE COPY OF THE PURCHASE ORDER WILL BE RETURNED TO THE SPENDING UNIT AND ONE COPY FORWARDED TO THE VENDOR AS AUTHORIZATION FOR SHIPMENT. NO ORDER IS VALID UNLESS APPROVED AND ENCUMBERED BY THE PURCHASING DIVISION.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FUTURE ORDER.</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *Chris Boyd* TELEPHONE: 800-688-7515 DATE: 03-03-2010

TITLE: *Selmer* FEIN: ADDRESS CHANGES TO BE NOTED ABOVE

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



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PAGE
 4

ADDRESS CORRESPONDENCE TO ATTENTION OF
 MICHAEL AUSTIN
 304-558-2402

SUBJECT

RFQ COPY
 TYPE NAME/ADDRESS HERE
 W.Va.-OHIO Motor Sales, Inc.
 142 RIVER ROAD
 P.O. Box 71
 WHEELING, W.VA 26003

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
01/20/2010				

BID OPENING DATE: 02/24/2010 (CHANGED) 03-03-2010 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
	REV. 5/2009					
	EXHIBIT 10					
	REQUISITION NO.:					
	ADDENDUM ACKNOWLEDGEMENT					
	I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.					
	ADDENDUM NO.'S:					
	NO. 1	✓				
	NO. 2	✓				
	NO. 3	✓				
	NO. 4					
	NO. 5					
	I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.					
	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.					

ACKNOWLEDGE RECEIPT
Chris Boyd
3-3-10
W.Va. Ohio Motor Sales

SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE <i>Chris Boyd</i>	TELEPHONE 800-688-7515	DATE 03-03-2010	
TITLE <i>Solomon</i>	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE	

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



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

Request for Quotation

RFQ NUMBER 7010EC04

PAGE 5

ADDRESS CORRESPONDENCE TO ATTENTION OF: MICHAEL AUSTIN 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
01/20/2010				

BID OPENING DATE: **02/24/2010 (MAYBE 03-03-2010)** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UQP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
				<i>Chris Boyd</i> SIGNATURE <i>W.VA.-OHIO MOTOR SALES, INC.</i> COMPANY <i>03-03-2010</i> DATE		
NOTE: THIS ADDENDUM ACKNOWLEDGEMENT SHOULD BE SUBMITTED WITH THE BID. REV. 09/21/2009 NOTICE A SIGNED BID MUST BE SUBMITTED TO: DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130 THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED: SEALED BID BUYER: 33 RFQ. NO.: 7010EC04						
						<i>\$635,316⁰⁰</i> <i>One (1) 2011 Mack Model G4713 With Aspen Aerial A-62</i>

SEE REVERSE SIDE FOR TERMS AND CONDITIONS		
SIGNATURE <i>Chris Boyd</i>	TELEPHONE 800-688-7515	DATE 03-03-2010
TITLE <i>Salman</i>	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

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



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**Request for
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7010EC04

PAGE
6

ADDRESS CORRESPONDENCE TO ATTENTION OF:
**MICHAEL AUSTIN
 304-558-2402**

RFQ COPY

TYPE NAME/ADDRESS HERE
**W.Va. - Ohio Motor Sales, Inc.
 142 River Road
 P.O. Box 71
 Wheeling, W.Va. 26003**

RFQ COPY

**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
01/20/2010				

BID OPENING DATE: **02/24/2010** **03-03-2010** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
BID OPENING DATE:				03-03-2010		
BID OPENING TIME:				1:30 pm		
PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:				304-232-6719		
CONTACT PERSON (PLEASE PRINT CLEARLY):				CHRIS BOYD		
***** THIS IS THE END OF RFQ 7010EC04 ***** TOTAL:						\$635,316⁰⁰
						ONE (1) 2011 Mack Model 64713 With ASPEN Aerial A-62

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE **Chris Boyd** TELEPHONE **800-628-7515** DATE **03-03-2010**

TITLE **Salesman** FEIN 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 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
Post Office Box 50130
Charleston, WV 25305-0130

Request for Quotation

7010EC04

1

MICHAEL AUSTIN
304-558-2402

RFQ COPY
TYPE NAME/ADDRESS HERE
W.Va-OHIO Motor Sales, Inc
142 River Road
P.O. Box 71
WHEELING, W.Va. 26003

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		
01/28/2010						
BID OPENING DATE: 02/24/2010 CHANGE 03-03-2010 BID OPENING TIME 01:30PM						
QTY	QUANTITY	UOP	QTY NO	ITEM NUMBER	UNIT PRICE	AMOUNT
				ADDENDUM NO. 1		
				ADD: THE ATTACHED		
				ALL DATES REMAINS THE SAME.		
				NO OTHER CHANGES.		
0001	1	EA	975-56	UNDERBRIDGE INSPECTION UNIT		
***** THIS IS THE END OF RFQ 7010EC04 ***** TOTAL:						\$635,316 ⁰⁰
						ONE(1) 2011 MACK MODEL 6A713 WITH ASPEN AERIAL A-62
SIGNATURE <i>Chris Boyd</i>						TELEPHONE 800-688-7515
TITLE <i>Subcontractor</i>						DATE 03-03-2010
SEE REVERSE SIDE FOR TERMS AND CONDITIONS						ADDRESS CHANGES TO BE NOTED ABOVE

RECEIVED
Chris Boyd
03-03-2010

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

ADDENDUM NO. 1

QUESTIONS: WRITTEN QUESTIONS WILL BE ACCEPTED THROUGH
CLOSE OF BUSINESS (5:00 PM, EST.) ON TUESDAY, 02/02/10
SEND YOUR QUESTIONS TO: PURCHASING DIVISION
ATTENTION MICHAEL AUSTIN
2019 WASHINGTON ST. EAST
CHARLESTON, WV 25305
QUESTIONS MAY BE SENT VIA FAX, E-MAIL, OR REGULAR MAIL
E-MAIL: MICHAEL.D.AUSTIN@WV.GOV
FAX: 304-558-4115

IT IS THE VENDORS RESPONSIBILITY TO VERIFY THAT THEIR
QUESTIONS HAVE BEEN RECEIVED BY CALLING 304-558-2402.

*RECEIVED
Chris Boyd
03-03-2010
W. Va. - Dan Moran Sales, Inc*

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
EQUIPMENT DIVISION

PROCUREMENT SPECIFICATIONS
NO. 934-1-B

UNDERBRIDGE INSPECTION UNIT - LARGE

1.0 PURPOSE

It is the purpose of these specifications to describe an Underbridge Inspection Unit - Large (hereinafter referred to as a "underbridge inspection unit - large" or a "unit") to be purchased for use by the West Virginia Division of Highways (DOH).

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, MAY RESULT IN AUTOMATIC DISQUALIFICATION.**

3.0 SPECIFICATIONS

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

3.1 EXCEPTIONS TO NON-MANDATORY SPECIFICATIONS

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

3.2 MANDATORY SPECIFICATIONS

All specifications preceded by "shall, 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 days after receipt of purchase agreement. 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.

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 three (3) service, shop, or maintenance manuals; one (1) to be distributed to the District and two (2) for the Equipment Division. Also, there must be five (5) parts manuals; one (1) to be distributed to the District and four (4) for Equipment Division use. CD ROM is preferred in lieu of service or parts manuals.

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

6.3 TRAINING:

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

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

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

6.6 EVALUATION COMMITTEE REQUIREMENTS

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

6.7 UNSPECIFIED ACCESSORIES & FEATURES

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

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

7.0 SPECIFICATIONS OF THE QUOTED UNIT ARE AS FOLLOWS:

7.1 Unit able to position three (3) workmen and their tools 61 feet horizontally under bridge to perform maintenance.

7.1.1 Unit shall be capable of placing the workmen and/or inspector(s) in positions above, under and outside bridge in such a manner that the workmen and/or inspector(s) can make physical contact with areas as indicated.

7.2 Unit must operate within an eight-(8) foot, six-(6) inches of the traffic lane width.

7.3 CHASSIS:

7.3.1 Unit to be a minimum of 66,000 GVWR plus the pusher axle

7.3.2 Cab Trunnion: 208 inches approximate

7.3.3 Wheelbase: 285 inches approximate

7.3.4 **Frame: The minimum acceptable frame side rail shall meet or exceed the required section modulus of 32 cubic inches minimum with 110,000 psi steel and an RBM of 3,520,000 inch pounds minimum. Section modulus, RBM, frame reinforcement and chassis shall meet underbridge inspection aerial device manufacturers minimum requirements.**

7.3.4.1 Axle shall be 20,000 pounds, minimum, capacity.

7.3.4.2 Front axle shall have visible front oil seals.

7.3.4.3 Front axle shall have 20,000 pound capacity suspension on each axle

7.3.5 Rear Axle to be a heavy duty tandem with **46,000 pounds minimum capacity**, single speed with power divider, and provided with 46,000 pound capacity. Hendrickson RT-460 Type Suspension or equal

7.3.5.1 Rear Axle gear ratio shall allow the vehicle to travel between 65-70 MPH.

7.3.5.2 A 20,000 lb. air operated pusher axle shall be installed approximately 80 inches in front of the front tandem axle. Exact location to be determined by the Bridge Inspection Unit manufacturer.

7.4 TRANSMISSION:

7.4.1 Transmission shall be an Allison Model 4000RDS or 4500RDS or equal automatic with PTO provision

7.4.2 Transmission shall be equipped with an overheat warning indicator.

7.5 PTO:

7.5.1 The power take-off shall be transmission mounted power shift, cab controlled and shall have a ratio to provide optimum performance of the hydraulic pump operating upper structure components further described in the specs.

7.5.1.1 PTO shall be equipped with an engaged light.

7.6 ENGINE:

7.6.1 Engine shall be a diesel powered unit.

7.6.2 Engine to be 400 horsepower minimum

7.6.3 Engine provided with remote PTO throttle control capability for unit specified.

7.6.4 Engine 2 speed throttle shall be set at 1100 rpm

7.6.5 Cooling system will be checked and filled to the proper level and will contain OAT extended life permanent type antifreeze to test -40 degrees Fahrenheit.

7.6.6 Engine has heavy duty dry type air cleaner.

7.6.7 Manufacturer recommended oil filter and fuel filters for entire unit but including as a minimum a primary fuel filter between the fuel tank and engine.

7.6.8 Unit to have horizontal muffler and vertical tailpipe with bright shield to protect personnel from burns.

- 7.6.9 **Exhaust system shall not interfere with the operation of the body or underbridge inspection unit.**
- 7.6.10 Unit to have high temperature protection warning light with gauges for oil pressure and coolant temperature.
- 7.6.11 Engine to have a water filter system.
- 7.6.12 Engine brake
- 7.6.13 Unit to have a heavy duty radiator and coolant system.
- 7.6.14 Premium radiator and heater hoses
- 7.6.15 Heavy duty radiator and coolant system
- 7.7 CAB:
 - 7.7.1 **Cab shall be all steel or aluminum, standard conventional, 83 DBA.**
 - 7.7.2 **Cab will be provided with a tilting hood.**
 - 7.7.3 **Cab shall be equipped with a stone and gravel radiator guard.**
 - 7.7.4 **Unit will have seats and seat belts for driver and one (1) passenger.**
 - 7.7.4.1 **Driver seat shall be air ride fully adjustable bucket seat, Bostrom, National or approved equal**
 - 7.7.4.2 **Passenger seat shall be non-adjustable cushioned bucket seat.**
 - 7.7.5 **Electrical system shall include a minimum of three (3) 12-volt, 1,875 CCA batteries maintenance free or approved equal.**
 - 7.7.6 Battery box with cover provided
 - 7.7.7 **Alternator shall provide a minimum of 130 amp capacity.**
 - 7.7.8 **Lights on cab and chassis shall be manufacturer standard.**
 - 7.7.9 **Lights on body shall be manufacturers standard or approved equal.**
 - 7.7.10 To have switch in cab to operate roof lights.
 - 7.7.11 **A single horn and back-up warning device shall be provided.**

- 7.7.12 **Unit shall have manufacturer standard 12-volt DC backup alarm system, minimum 97db.**
- 7.7.13 Unit to have an insulated headliner and back panel.
- 7.7.14 Unit to have dual sun visors.
- 7.7.15 Unit to have armrests and door pulls.
- 7.7.16 Unit to have windshield washer with 2-speed wipers with intermittent features.
- 7.7.17 **Headlights will be properly adjusted.**
- 7.7.18 Unit to have dome light.
- 7.7.19 Unit to have floor mats.
- 7.7.20 Unit to be provided with exterior grab handles.
- 7.7.21 Unit to have two (2) outside stainless steel, West Coast mirrors, 16 inch x 7 inch with bolt on 6 inch diameter round convex mirrors both sides.
 - 7.7.21.1 Mirrors to be heated and right hand to be power adjustable.
- 7.7.22 Unit to have heater and defroster, heavy duty fresh air type.
- 7.7.23 Unit to be provided with dual fuel tanks and steps, **minimum 100 gallon capacity left hand mounted.**
- 7.7.24 Unit to have power steering.
- 7.7.25 **Unit shall include all manufacturer standard instrumentation.**
- 7.7.26 **Unit shall have air conditioning. A.PAD. system or equal.**
- 7.7.27 Unit to be provided with AM-FM radio
- 7.7.28 Unit to be provided with air horns.
- 7.7.29 Cab to have tilt/telescoping steering wheel.
- 7.7.30 Bug shield to be light smoke or transparent type.

7.8 TIRES:

- 7.8.1 Front: 425/65R22.5, 20 ply mounted on 12.25 steel disc wheels, minimum.
- 7.8.2 Rear: 11R22.5, 16 ply mounted on 8.25 steel disc wheels.

7.9 BRAKE SYSTEM:

- 7.9.1 Brakes shall be air actuated.
- 7.9.2 The air compressor shall have a minimum capacity of 13 CFM with air dryer with heater and automatic moisture drain.
- 7.9.3 The system shall have a dash mounted warning light for low air pressure.
- 7.9.4 The system shall have automatic slack adjuster for each wheel.
- 7.9.5 Unit air pressure gauge to be dash mounted.
- 7.9.6 Unit to have air release parking brake with dash mounted light.
- 7.9.7 Unit to be provided with a Jacobs engine brake or approved equal.
- 7.9.8 Unit to be provided with an air release parking brake.

7.10 RUST PROOFING AND UNDERCOATING:

- 7.10.1 Deck body shall include complete coverage of all inner surfaces requiring protection by means of properly atomized spray.
- 7.10.2 Material shall penetrate all seams and crevices.
- 7.10.3 Drain holes or passages shall not be blocked.
- 7.10.4 Exterior of vehicle shall be free of rust proofing compound except cracks crevices and seams of decorative moldings.
- 7.10.5 Full undercoating shall be applied in a continuous and uniform thick coating from 1/16 inch to 1/8 inch to all underbody sheet metal except drive shaft, drain holes, lubrication points, engine crank-case, heavy casting and suspension components shall be kept free of coating material.

7.11 PAINT:

- 7.11.1 Cab Exterior and Interior to be painted Federal Standard 595A Number 17875 White.
- 7.11.2 Chassis to be painted Manufacturer's Standard White.
- 7.11.3 Manufacturer's standard grille paint similar to silver of aluminum in color. Grilles made from bright finish or bright plated materials do not require painting.
- 7.11.4 Manufacturer's standard wheels powder coated paint similar to gray or white in color.
- 7.11.5 Detail and Decorative Stripes with Logo:
- 7.11.5.1 Approximately 2 inch width with taper at front of hood.
- 7.11.5.2 WVDOH 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 ½ inch of logo is not to be striped.
- 7.11.5.3 Upper Stripe Color: Dark Blue.
- 7.11.5.4 Lower Stripe Color: Light Gold.
- 7.11.5.5 **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.**
- 7.11.5.6 **The sheeting for striping shall not be more than .009" thick having approximately 47,000 microprisms per square inch and shall come with an aggressive high tach pressure sensitive adhesive. Reflexite or equal.**
- 7.11.5.7 Successful Bidder should consult with the WVDOH of proposal for striping prior to application.
- 7.11.5.8 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.
- 7.11.5.9 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.

- 7.11.6 Manufacturer's standard plant painting procedures for cleaning, degreasing, preparing, priming and painting are sufficient to meet this requirements for painting of cab (white) and chassis (black). **Cab will not be painted white over top another finish color.**
- 7.11.7 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.**
- 7.12. SAFETY EQUIPMENT:
- 7.12.1 Unit to be provided with a first aid kit.
- 7.12.2 Unit to have one (1) reflective triangle type flair set, three (3) flares in set, stored in mountable box. **Flare set shall meet Underwriters Laboratories and I.C.C. approval and requirements**
- 7.12.3 Unit to have a mounted Fire extinguisher.
- 7.12.4 **All other safety equipment shall be mounted per manufacturer recommendation.**
- 8.0 DECK BODY:
- 8.1 **The body shall be constructed of 1/4 inch diamond plate steel (minimum).**
- 8.2 **The deck shall be welded to the heavy duty structural steel crossmembers and longitudinals with side and end rails.**
- 8.3 **Deck surface shall be finished with non-skid paint.**
- 8.4 **The body shall have two (2) locations with access steps installed on the left and rear of the deck.**
- 8.5 **The steps shall be constructed with non skid material.**
- 8.5.1 **First step shall be 15 inches to 18 inches from ground.**
- 8.6 All marker, stop, tail and turn lights to be LED type.
- 8.7 **Two (2) under deck tool boxes approximately 24 inches x 24 inches x 30 inches shall be installed. One (1) on the right side and one (1) on the left side of the body.**

- 8.7.1 Boxes shall be constructed of 16 gauge steel.
- 8.7.2 Doors shall be downward opening with chain steps and locks.
 - 8.7.2.1 Doors shall have automotive neoprene d-type seals for weatherproofing.
- 8.7.3 Boxes shall be painted inside and out.
- 8.7.4 Drain holes shall be provided.
- 8.7.5 Locks and keys shall be provided.
- 8.7.6 The unit shall have four (4) anti-sail flaps installed in front and back of rear tandem wheels. The flaps shall have road clearance of ten (10) inches when truck is empty.
- 9.0 UNDERBRIDGE INSPECTION UNIT:
 - 9.1 Underbridge overall stored length is to be a maximum of 42 feet, zero inches.
 - 9.2 Underbridge overall stored height is to be a maximum of 13 feet, 6 inches.
 - 9.3 Underbridge overall stored width is to be a maximum of 8 feet, 6 inches.
 - 9.4 All components of the aerial device shall be stored inside the length and width of the flatbed body. When in operation, only 102 inches of the traffic shall be occupied.
 - 9.5 Unit shall have both pedestal and subframe constructed of high strength steel.
 - 9.5.1 Pedestal and subframe shall have sufficient strength to withstand all torsional stress imposed by the boom assemblies with the maximum rated load in the work platform.
 - 9.5.2 Pedestal shall be mounted behind the truck cab.
 - 9.5.3 Pedestal shall be welded to a tubular or beam type subframe, which shall extend the full length of the chassis frame.
 - 9.5.4 The subframe shall be fastened to the chassis frame with mounting plates and grade 8 bolts.
 - 9.6 Unit to have two (2) hydraulic rotation turrets.
 - 9.6.1 The main turret shall be mounted on top of the pedestal and hinged to the main boom (No.1).

- 9.6.1.1 It shall rotate the booms off of both sides of the vehicle.
 - 9.6.2 The second turret shall be mounted at the end of Boom No. 1 and hinged to Boom No. 2.
 - 9.6.2.1 It shall rotate a minimum of 180 degrees when all booms are deployed.
 - 9.6.2.2 The turret shall be controlled automatically by a hydraulic cylinder so as to eliminate leveling arms. It shall also have the capability of being controlled manually to adjust for bridge slopes of up to 5 degrees.
 - 9.6.3 Each turret shall rotate on a heavy duty shear ball type bearing protected against dirt and moisture and provided with means for pressure lubrication.
 - 9.6.4 The motor and gear box rotation shall be powered by a reversible hydraulic orbital motor driving a gear box, which shall prevent free wheeling in case of hydraulic failure.
 - 9.6.5 A counterweight shall be attached to the pedestal assembly and shall rotate with the bridge inspection unit on the opposite side and stay within the width of body when the booms are deployed.
- 10.0 BOOMS:
- 10.1 Unit shall be equipped with four (4) articulating hydraulically operated booms.
 - 10.2 All telescopic boom sections shall be equipped with high wear capacity nylon support rollers or equal. (There shall be no exposed hose reels.)
 - 10.3 The main boom (Boom #1) shall be hinged to the mainframe pedestal turret and shall clear a 12 foot 6 inch sidewalk.
 - 10.4 The second boom (Boom #2) shall be attached to the end of Boom #1 and provide vertical clearance of 24 feet minimum.
 - 10.4.1 It shall be capable of articulating to a horizontal position, perpendicular from the bridge so that the inspection bucket can access the bridge fascia.
 - 10.5 The third boom (Boom #3) shall be telescopic and hinged to the end of Boom #2.
 - 10.5.1 The third and fourth booms must be capable of reaching a minimum of 55 feet horizontally under the bridge when Boom #2 is in a vertical 90 degree position.
 - 10.6 Boom #4 shall be a pivoting end section with an articulating range of 90 degrees above horizontal, and 35 degrees below horizontal.

- 10.6.1 It shall be telescoping providing a reach of 13 feet minimum, measured from the top of Boom #3 to the top of the platform.
- 10.7 Operator must be able to ride the platform over the side of the bridge
- 10.8 Cylinder swivel pins shall be of high strength steel, turned, ground and polished or chrome plated.
 - 10.8.1 Pins shall be secured with self-locking nuts or keeper bolts.
- 10.9 Booms shall have full hydraulic powered cylinders.
- 10.10 All cylinders shall be pilot operated, double-acting with integral safety holding valve.
- 10.11 Nitrate rods shall be provided on all lift cylinders.
- 10.12 All boom actuation shall be by cylinders that are directly attached to the booms
- 10.13 Cylinder shall be attached to the booms with high strength steel pins.
- 10.14 Cylinder pins may be secured with either keeper bolts in the head of the pin or locking nuts.
- 10.15 **Overhead Reach:** The platform must be capable of being paced above the bridge deck approximately 50 feet.
- 10.16 All grease fittings on unit shall be threaded screw-in type.
- 11.0 PLATFORM:
 - 11.1 One (1) 40 inch wide aluminum platform with a minimum 600 pound capacity shall be hinged at the end of the fourth boom and shall automatically be kept level at all times by a hydraulic leveling system.
 - 11.1.2 Shall be capable of rotating 180 degrees
 - 11.2 Platform dimensions shall be a minimum of 40 inches x 60 inches long x 42 inches
 - 11.3 An access gate shall be provided at the end of the platform.
 - 11.4 Covers to be provided for platform accessories.

- 11.5 With the platform completely extended, the truck can be driven slowly forward or backward to provide continuous or overlapping areas of coverage.
- 11.6 **Three (3) safety harnesses and lanyards shall be furnished.**
- 11.7 **Attachments for safety belts shall be installed in the platform.**
- 12.0 **AUXILIARY DIESEL ENGINE AND PTO POWER SOURCES:**
- 12.1 **The primary source of power will be a PTO driven transmission-mounted pump.**
- 12.2 **As an alternate, an auxiliary engine will be supplied.**
- 12.3 **Engine shall have capacity to perform two or more unit movements simultaneously.**
- 12.4 **Auxiliary engine shall have a 12-volt electrical system with keyed ignition, electric starter and alternator.**
- 12.5 **The system shall allow engine to be started from the truck batteries**
- 12.6 **Auxiliary engine shall have a fuel connection to the truck fuel tank(s).**
- 12.7 **Diesel engine shall have a fuel filtration system.**
- 12.8 **Engine compartment cover, lockable with keys to allow complete access to engine and hydraulic system components.**
- 13.0 **HYDRAULIC SYSTEM:**
- 13.1 **All movements of the underbridge inspection aerial device shall be made by hydraulic pressure.**
- 13.2 **All hydraulic cylinders shall be double acting with direct-coupled safety check valves as protection, in case of pump or hose failure.**
- 13.3 **Reservoir shall be of steel welded construction with 50-gallon (minimum) storage capacity.**
- 13.4 **Reservoir shall have baffles, clean out access and exterior oil sight level gauge.**
- 13.5 **Hydraulic oil shall be filtered through a return line 10-micron filter with replaceable element.**
- 13.6 **A 100-mesh strainer shall be located on the suction side of the reservoir.**

- 13.7 All filters shall be accessible for easy element replacement.
- 13.8 Hydraulic fluid transmission lines shall be flexible hoses.
- 13.9 Flexible hoses shall be wired braid reinforced and shall have a weather and abrasion resistant covering.
- 13.10 Bursting pressure rating shall be minimum of 200% of system operating pressure.
- 13.11 Pressure gauges shall be provided for hydraulic system to allow for checking manufacturer's specified pressure settings.
- 14.0 CONTROLS AND SAFETY SYSTEM:
- 14.1 Three (3) sets of controls shall be provided.
 - 14.1.1 One (1) set of hydraulically operated controls at the pedestal.
 - 14.1.2 One (1) set of radio controls at the basket.
 - 14.1.3 One (1) set of radio controls for operation at the pedestal and from edge of bridge.
- 14.2 In case of electrical failure, the hydraulic pedestal control shall be capable of overriding the radio controls.
- 14.3 All controls must be equipped with two-way, return to neutral type levers.
- 14.4 All control valves shall have proportional flow control and precise metering capability to provide smooth operation of the unit in all working positions and to insure the safety of operating personnel at all times.
- 14.5 Controls shall be arranged to allow for each individual movement separately or in any combination desired.
- 14.6 Controls shall be located to facilitate maintenance access.
- 14.7 Manual overrides shall be provided for all functions.
- 14.8 Remote carrier and auxiliary engine kill switches shall be installed at the pedestal and platform control station.
 - 14.8.1 A color display shall be provided at the pedestal with control of front and rear suspension lockouts, counterweight, and accessories.
 - 14.8.1.1 It shall also display status of limit switch system.

- 14.9 Electric/hydraulic control switch for both front and rear suspension lockouts shall be located at the pedestal within easy reach and view of operator.**
- 14.10 Unit to have interlock to prevent operation of underbridge inspection aerial device if suspension lockouts are not engaged.
- 14.11 Unit to have limit switches to prevent rotation or articulation of booms into unstable positions.
- 14.12 Unit to have relief valves and switches to prevent overloading hydraulic system with excessive pressure.
- 14.13 Unit to have automatic check valves on hydraulic cylinders in case of pump or hose failure.
- 14.14 Unit to have automatic audible alarm to signal excessive slope conditions.
- 15.0 TRUCK STABILIZERS:
- 15.1 The frame shall be equipped with four (4) hydraulically operated suspension lockouts, two at the front axle and two at the rear axle, controlled from the pedestal station.**
- 15.2 The lockout system shall include indicator lights to alert the operator that the lockouts are engaged or disengaged.**
- 15.3 Lights shall be installed in the cab and at the pedestal.**
- 15.4 An interlock shall be installed to prevent operation of the underbridge inspection aerial device when the suspension lockout system is disengaged.**
- 15.5 A manual override (to allow booms to be stowed in case of system malfunction) shall be installed at the pedestal.**
- 15.6 When lockouts are engaged, the truck shall be capable of withstanding all tipping forces generated by booms in all positions in both stationary and moving applications.**
- 15.7 Outriggers are unacceptable.
- 16.0 COMMUNICATION SYSTEM:
- 16.1 An intercommunication system between personnel in the truck cab, the pedestal control station, the ground remote control station and the work platform shall be provided and installed.**

- 16.2 System shall consist of a fully transistorized amplified (powered by the truck batteries) with on/off switch, volume controls and an integral press-to-talk switch mounted in the truck cab convenient to the driver and at the pedestal.
- 16.3 The basket speaker shall be activated in a hands free mode.
- 16.4 One lightweight headset with an earpiece and microphone.
- 16.5 Jacks for the headset shall be provided in the cab and pedestal location
- 17.0 ACCESSORIES:
- 17.1 A minimum 18 CFM @ 100 PSI hydraulically driven air compressor shall be mounted under the truck body.
- 17.2 The unit shall include a minimum 30-gallon capacity ASME stamped air receiver tank(s) with safety valve, condensation drain, pressure gauge and shut-off valve.
- 17.2.1 The tank shall be mounted under the truck bed.
- 17.3 The unit shall have a 1/2-inch I.D. air line with a minimum 100 PSI working pressure rating shall be provided to the work bucket.
- 17.4 The air line shall be routed along the booms in protected areas and shall terminate at the bucket with a quick disconnect coupling.
- 17.5 Four-(4) 115-volt, three-(3) contact, weatherproof, grounding, receptacles shall be provided at the bucket and two (2) at the truck platform.
- 17.6 Receptacles shall be ground fault interruption protected.
- 17.7 Unit shall be equipped with a minimum single phase 60 Hz, AC generator which will be driven by the auxiliary diesel engine.
- 17.8 Generator shall be a minimum 5 KW for the operation of the heaters, air compressor and electrical outlets.
- 17.9 Work platform/bucket shall be equipped with two (2) 1500-watt, 5000 BTU, 115 volt, 60 Hz heaters with blower fans.
- 17.10 The work platform will be equipped with two (2) swivel mounted 12-volt flood lamps.

18.0 LABELS:

- 18.1 All controls, switches, lights and indicators shall be permanently labeled as to function and where applicable, director of operations, using either engraved plastic or permanently etched metal labels. (Dymo labels will not be acceptable).**
- 19.0 Vendor must certify that the unit offered will meet or exceed the "Occupational Safety and Health Act of 1970" and subsequent amendments.**
- 20.0 Advertising: Visible decals or name plates or painted on names representing the Manufacturer or model number or trademark appearing on the exterior surface of the unit should be minimal.**
- 21.0 The bidder shall submit drawings of the proposed underbridge inspection unit with dimensions and clearances with his bid proposal.**

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
EQUIPMENT DIVISION

BIDDER'S EVALUATION REPORT

PROCUREMENT SPECIFICATIONS FOR OPEN END CONTRACT
NO. 934-1-B

UNDERBRIDGE INSPECTION UNIT - LARGE

NOTE TO BIDDER: Procurement Specification No. 934-1-B, 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.: R.F.Q 7010EC04

Bidder's Name: W. VA. - OHIO MOTOR SALES, INC.

Address: 142 RIVER ROAD / P.O. BOX 71 WHEELING, W. VA. 26003

Telephone Number: 800-688-7515

Years Bidder has been registered to do business with the State of West Virginia: 6 YRS.

Years Company has been an authorized dealer for proposed unit: 68 YRS.

X3.2 Have you complied with all mandatory specifications? YES YES NO EXCEPTIONS/CLARIFICATION SECTION PROVIDED

X4.2 DELIVERY:

X4.2.1 Delivery date of completed representative unit: 280 Calendar Days After Receipt of Purchase Agreement

X4.2.2 Delivery date of balance of completed units: 280 Calendar Days After Receipt of Purchase Agreement

The Bidder's Evaluation Reports are ready for download on Purchasing's Web site at www.state.wv.us/admin/purchase

X5.0 AWARD CRITERIA;

X5.1 Price per unit:

\$635,316⁰⁰ per unit
copy

X6.0 SPECIFICATIONS - GENERAL

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

2011 MACK GU713 WITH ASPEN AERIAL MODEL A-62
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 WVDOT.

DESCRIPTION: RFQ 7010EC04 MAKE: MACK
 MODEL: G4713 YEAR: 2011 PURCHASE AMOUNT: \$635,316.00
 ENGINE: MAKE: Mack MODEL: MP7-405M FUEL TYPE: DIESEL
 HORSEPOWER: 405 CYLINDER: 6 ENGINE SERIAL: T.B.D.
 COOLING SYSTEM CAPACITY: 17 Qts
 BELTS: DESCRIPTION: PART NUMBERS:
Poly V with Auto. Tensioners TBD

GVW: 66,000 + Pusher AXLE CAPACITY: FRONT: 20,000 REAR: 46,000
 TIRES: FRONT MAKE & SIZE: BRIDGESTONE 425/65R22.5 (20PLY)
 REAR MAKE & SIZE: BRIDGESTONE 11R22.5 (16PLY)
 DIMENSIONS OF UNIT: LENGTH: 41' WIDTH: 96" + MIRRORS + FENDER EXT. HEIGHT: 13'-3"
 VENDOR CONTACT PERSON: CHRIS BOYD PHONE: 800-688-7515

PARTS:

BATTERY MAKE: MACK MODEL: GROUP 31 CCA: 1950
 TOP OR SIDE POST: TOP DIMENSIONS: LENGTH 13 WIDTH 7 HEIGHT 8.5
 SPARK PLUGS OR FUEL INJECTORS MAKE: DELPHI E3 PART #: T.B.D.
 FUEL PUMP OR INJECTION PUMP MAKE: ZF MERITOR MODEL: T.B.D.
 ALTERNATOR MAKE: DELCO PART #: T.B.D.
 STARTER MAKE: DELCO PART #: T.B.D.
 TURBO CHARGER MAKE: Borg Warner PART #: T.B.D.
 TRANS. MAKE: ALLISON MODEL: 4500 RDS AUTO/MANUAL: AUTOMATIC
 HYDRAULIC PUMP MAKE: SEE ASPEN SPEC MODEL: _____

FILTERS	MAKE	PART NO.	LUBRICANT	MANUFACTURER TYPE
OIL	<u>Mack/Fram</u>		ENGINE	<u>BULLDOG CJ-4 15W-40</u>
AIR INNER	<u>Mack/Fram</u>		TRANSMISSION	<u>ALLISON - TRANS SYND</u>
AIR OUTER			POWER STEERING	<u>BULLDOG 15W-40</u>
FUEL PRIMARY	<u>Mack/Fram</u>		HYDRAULIC	<u>N/A</u>
FUEL SECONDARY			DIFFERENTIALS	<u>STD. 85-140</u>
COOLANT	<u>Mack/Fram</u>		BRAKE FLUID	<u>N/A</u>
HYDRAULIC	<u>N/A</u>		COOLANT	<u>EXTO LIFE 50/50 FUSSTONE = TEXACO</u>
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? AT STATES REQUESTED "Time" 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:

SEE WARRANTY SCHEDULES "STD" AND 2 Yr Plus B

UNDER WARRANTY SECTION

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)

SEE WARRANTY SECTION

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.

WARRANTY TO BE PROVIDED AT DEALER LOCATION(S) LISTED BELOW

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

W.VA. - OHIO MOTOR SALES, INC. WHEELING, W.VA.

CLARKSBURG MACK CLARKSBURG, W.VA.

WORLD WIDE EQUIP. HUNTINGTON, JANE LEW, PRINCETON, W.VA.

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 ^{FLEET} list price less: | <u>13</u> | % discount |
| B. | Terms: Net 60 | Manufacturer's published list price less: | <u>N/A</u> | % discount |
| C. | Terms: Net 90 | Manufacturer's published list price less: | <u>N/A</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 \$ 75⁰⁰ per mechanic hour

B. Travel Time Charge \$ 35⁰⁰ per mechanic hour
(Specify if one-way) 35⁰⁰; port to port 35⁰⁰

C. Mileage Charge \$ - 0 - per vehicle mile
(Specify if one-way) - 0 -; port to port - 0 -

D. Field Mechanic Rate \$ 75⁰⁰ per mechanic hour

E. Specify period of time that prices are in effect: 2010 / 2011

F. Surcharge for miscellaneous items: 5 %

X6.6 EVALUATION COMMITTEE REQUIREMENTS

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

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

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

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

X7.0 SPECIFICATIONS OF THE QUOTED UNIT

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

Manufacturer: MAK / ASPEN Model: G4713 / A-62

X7.1 Is unit able to position (3) workmen and tools 61 feet horizontally under bridge to perform maintenance? YES NO

X7.1.1 Will unit be capable of placing workmen/inspector in positions above, under & outside bridge in such a manner that they can make physical contact with areas as indicated? YES NO

X7.2 Is unit able to operate within 8 feet 6 inches of the traffic lane width? YES NO

X7.3 CHASSIS:

X7.3.1 G.V.W.R. 66,000 lbs. plus the pusher axle YES NO

X7.3.2 Cab trunnion 219 inches

X7.3.3 Wheelbase: 307 inches

X7.3.4 Frame:
Frame side rail section modules 35.5 cubic inches 120,000 psi steel and
RBM 4,260,000 inch pounds

Do section modules, RBM, frame reinforcement and chassis meet underbridge inspection aerial device manufacturers minimum requirements YES NO

X7.3.4.1 Axle capacity 66,000 pounds + Pusher

X7.3.4.2 Will each axle have visible front oil seals? YES NO

X7.3.4.3 Will front axle have 20,000 lb. capacity suspension on each axle? YES NO

X7.3.5 Is rear axle heavy duty tandem YES NO

capacity 46,000 lbs.

Single speed with power divider and provided with 46,000 pound capacity suspension

DUAL REDUCTIONS

YES NO

Manufacturer and model: MACK CARRIERS WITH HENDRICKSON RT 460 SUSPENSIONS

X7.3.5.1 Does rear axle gear ratio allow the vehicle to travel 65-70 MPH

YES NO

X7.3.5.2 Is a 20,000 lb. air operated pusher axle installed approximately 80 inches in front of the front tandem axle YES NO

105" FROM C. OF TANDER

X7.4 TRANSMISSION:

X7.4.1 Is transmission automatic with PTO provision YES NO

Manufacturer and model: ALLISON 4500 RDS WITH PROGNOSTICS

X7.4.2 Will transmission be equipped with an overheat warning indicator?

YES NO

X7.5 PTO:

X7.5.1 Will power take off be transmission mounted power shift, cab controlled, cab controlled and has a ratio to provide optimum performance of the hydraulic pump operating upper structure components further described?

YES NO

X7.5.1.1 Will PTO be equipped with an engaged light?

YES NO

X7.6 ENGINE:

X7.6.1 Diesel powered

YES NO

X7.6.2 HP 405

X7.6.3 Will engine be provided with remote PTO throttle control capability for unit specified?

YES NO

X7.6.4 Is engine two (2) speed throttle

Set at 1100 rpm

YES NO

- X7.6.5 Will cooling system be checked and filled to proper level and contain extended life permanent type antifreeze to test -40°F? YES ___ NO
- X7.6.6 Does unit have a heavy duty dry type air cleaner? YES ___ NO
- X7.6.7 Does unit have manufacturer recommended oil filter and fuel filters for entire unit but including as a minimum a primary fuel filter between the fuel tank and engine? YES ___ NO
- X7.6.8 Does unit have a horizontal muffler and vertical tailpipe with bright shield to protect personnel from burns? YES ___ NO
- X7.6.9 Will exhaust system be routed so as not to interfere with operation of body or unit? YES ___ NO
- X7.6.10 Does unit have a high temperature protection warning light with gauges for oil pressure and coolant temperature? YES ___ NO
- X7.6.11 Does engine have a water filter system? YES ___ NO
- X7.6.12 Engine brake YES ___ NO
- X7.6.13 Does unit have a heavy duty radiator and coolant system? YES ___ NO
- X7.6.14 Premium radiator and heater hoses YES ___ NO
- X7.6.15 Heavy duty radiator and coolant system YES ___ NO
- X7.7 CAB:
- X7.7.1 Cab constructed of Gal. STEEL standard conventional type, 93 DBA? YES ___ NO
- X7.7.2 Is cab provided with a tilting hood? YES ___ NO
- X7.7.3 Is cab equipped with a stone and gravel radiator guard? YES ___ NO
- X7.7.4 Does unit have seats and seat belts for driver and one (1) passenger? YES ___ NO
- X7.7.4.1 Will driver seat be air ride fully adjustable bucket seat? YES ___ NO
 Manufacturer: BOSTROM 915

- X7.7.4.2 Will passenger seat be non adjustable cushioned bucket seat? YES NO
- X7.7.5 Electrical system will include 3 - 12 volt 1950 CCA batteries maintenance free YES NO
- X7.7.6 Is battery box with cover provided YES NO
- X7.7.7 Alternator amperage 130 AMP.
- X7.7.8 Will lights on cab and chassis be manufacturer standard? YES NO
- X7.7.9 Lights on body manufacturers standard or approved equal YES NO
- X7.7.10 Does switch in cab operate roof lights YES NO
- X7.7.11 Will a single horn and back-up warning device be provided? YES NO
- X7.7.12 Will unit have manufacturer standard 12-volt DC backup alarm system minimum 97db YES NO
- X7.7.13 Does unit have an insulated headliner and back panel? YES NO
- X7.7.14 Does unit have dual sun visors? YES NO
- X7.7.15 Does unit have armrests and door pulls? YES NO
- X7.7.16 Does unit have windshield washer with 2-speed wipers with intermittent features? YES NO
- X7.7.17 Will headlights be properly adjusted? YES NO
- X7.7.18 Is dome light provided? YES NO
- X7.7.19 Does unit have floor mats? YES NO
- X7.7.20 Will unit be provided with exterior grab handles? YES NO
- X7.7.21 Does unit have (2) outside stainless steel West Coast style mirrors with bolt on 6 inch diameter round convex mirrors both sides? YES NO
Specify sizes 16" x 7"
w/ 6" CONVEX SPOTS

- X7.7.21.1 Will mirrors be heated and right hand power adjustable? YES ___ NO
- X7.7.22 Does unit have heater and defroster, heavy duty fresh air type? YES ___ NO
- X7.7.23 Will unit be provided with dual fuel tanks ___ YES NO
- Capacity: 116 ^{SINGLE} gallon, left hand mounted YES ___ NO
- X7.7.24 Does unit have power steering? YES ___ NO
- X7.7.25 Does unit include all manufacturer standard instrumentation? YES ___ NO
- X7.7.26 Does unit have air conditioning YES ___ NO
Type system Blow/Am With APADS
- X7.7.27 Is unit provided with AM-FM radio YES ___ NO
- X7.7.28 Will unit be provided with air horns? YES ___ NO
- X7.7.29 Does cab have tilt/telescoping steering wheel? YES ___ NO
- X7.7.30 Will bug shield be provided light smoke or transparent type? YES ___ NO

X7.8 TIRES:

- X7.8.1 Front: BRIDGESTONE 425/65R22.5 20 ply mounted on 22.5x12.25 steel disc wheels
- X7.8.2 Rear: BRIDGESTONE 11R22.5 16 ply mounted on 22.5x8.25 steel disc wheels

X7.9 BRAKE SYSTEM:

- X7.9.1 Will brakes be air actuated? YES ___ NO
- X7.9.2 Air compressor CFM 10.7 with air dryer with heater and automatic moisture drain YES ___ NO
- X7.9.3 Will system have dash mounted warning light for low air pressure? YES ___ NO
- X7.9.4 Will system have automatic slack adjuster for each wheel? YES ___ NO
- X7.9.5 Does unit have air pressure gauge mounted to dash? YES ___ NO

X7.9.6 Does unit have air release parking brake with dash mounted light? YES ___ NO

X7.9.7 Will unit be provided with a Jacobs engine brake or approved equal? YES ___ NO

X7.9.8 Will unit be provided with an air release parking brake YES ___ NO

X7.10 RUST PROOFING AND UNDERCOATING:

X7.10.1 Will deck body include complete coverage of all inner surfaces requiring protection by means of properly atomized spray? YES ___ NO

X7.10.2 Will material penetrate all seams and crevices? YES ___ NO

X7.10.3 Will drain holes or passages not be blocked? YES ___ NO

X7.10.4 Will exterior of vehicle be free of rust proofing compound except cracks crevices and seams of decorative moldings? YES ___ NO

X7.10.5 Will full undercoating be applied in a continuous and uniform thick coating from 1/16" to 1/8" to all underbody sheet metal except drive shaft, drain holes, lubrication points, engine crank-case, heavy casting and suspension components kept free of coating material? YES ___ NO

X7.11 PAINT:

X7.11.1 Will cab exterior and interior be painted Federal Standard 595A Number 17875 white? *STD. MACK WHITE* YES ___ NO

X7.11.2 Will chassis be painted manufacturer standard white? YES ___ NO

X7.11.3 Will grille be painted manufacturer standard similar to silver of aluminum in color? YES ___ NO

Grilles made from bright finish or bright plated materials do not require painting.

X7.11.4 Will wheels be powder coated manufacturer standard paint similar to gray or white in color? ___ YES NO

STD. PAINT - GRAY

X7.11.5 Will detail and decorative stripes with logo be provided as specified in specification 7.11.5; 7.11.5.1 and 7.11.5.2? YES NO

X7.11.5.3 Upper stripe color: DARK BLUE

X7.11.5.4 Lower stripe color: LIGHT GOLD

X7.11.5.5 through X7.11.5.8 Will striping be in compliance as stated YES NO

X7.11.5.9 Will successful vendor provide a sample for testing if requested? YES NO
if not, Specify _____

X7.11.6 Will successful vendor meet requirements as specified in specification 7.11.6? YES NO
if not, Specify _____

X7.11.7 Will successful vendor agree to adhere to the requirements as specified in specification 7.11.7? YES NO
If not, Specify _____

X7.12 SAFETY EQUIPMENT:

X7.12.1 Will unit be provided with a first aid kit? YES NO

X7.12.2 Will unit have (1) reflective triangle type flare set, three (3) flares in set, stored in mountable box? YES NO

Does flare set meet UL and I.C.C. approval and requirements YES NO

X7.12.3 Does unit have a mounted fire extinguisher? YES NO

X7.12.4 Will all other safety equipment be mounted per manufacturer recommendation? YES NO

X8.0 DECK BODY:

X8.1 Body constructed of 1/4" inch diamond plate steel

X8.2 Will deck be welded to heavy duty structural steel crossmembers and longitudinals with side and end rails? YES NO

- X8.3 Will deck surface be furnished with non-skid paint? YES ___ NO
- X8.4 Will body have (2) locations with access steps installed on the left and rear of the deck? YES ___ NO
- X8.5 Will steps be constructed with non skid material YES ___ NO
- X8.5.1 First step will be 18 inches the ground level
- X8.6 Will all marker, stop, tail and turn lights be LED type? YES ___ NO
- X8.7 Will (2) under deck tool boxes be installed YES ___ NO
- (1) on the right side and (1) on the left side of the body? YES ___ NO
Specify size 24" x 24" x 30"
- X8.7.1 Will boxes be constructed of 16 gauge steel? YES ___ NO
- X8.7.2 Will doors open downward with chain steps and locks YES ___ NO
- X8.7.2.1 Will doors have automotive neoprene d-type seals for weatherproofing? YES ___ NO
- X8.7.3 Will boxes be painted inside and out? YES ___ NO
- X8.7.4 Will drain holes be provided? YES ___ NO
- X8.7.5 Will locks and keys be provided? YES ___ NO
- X8.7.6 Will unit have (4) anti-sail flaps installed in front and back of rear tandem wheels? YES ___ NO
- Do flaps have road clearance of ten (10) inches when truck is empty? YES ___ NO

X9.0 UNDERBRIDGE INSPECTION UNIT:

- X9.1 Underbridge overall stored length 41 ft _____ inches.
- X9.2 Underbridge overall stored height 13' ft. 3" inches
- X9.3 Underbridge overall stored width _____ ft. 96" inches
Plus Mirrors & Fender Extensions

- X9.4 Will all components of the aerial device be stored inside the length and width of the flatbed body? YES NO
- When in operation, will only 102 inches of the traffic be occupied YES NO
- X9.5 Will unit have both pedestal and subframe constructed of high strength steel? YES NO
- X9.5.1 Will pedestal and subframe have sufficient strength to withstand all torsional stress imposed by the boom assemblies with the maximum rated load in the work platform? YES NO
- X9.5.2 Will pedestal be mounted behind the truck cab? YES NO
- X9.5.3 Will pedestal be welded to a tubular or beam type subframe, which extends the full length of the chassis frame? YES NO
- X9.5.4 Will subframe be fastened to the chassis frame with mounting plates and Grade 8 bolts? YES NO
- X9.6 Does unit have 2 hydraulic rotation turrets? YES NO
- X9.6.1 Will main turret be mounted on top of the pedestal and hinged to the main boom #1? YES NO
- X9.6.1.1 Will it rotate the booms off of both sides of the vehicle? YES NO
- X9.6.2 Will second turret be mounted at the end of boom #1 and hinged to boom #2? YES NO
- X9.6.2.1 It will rotate 180 ° when all booms are deployed?
- X9.6.2.2 Will the turret be controlled automatically by a hydraulic cylinder so as to eliminate leveling arms YES NO
- Will it have the capability of being controlled manually to adjust for bridge slopes of up to 5 degrees YES NO
- X9.6.3 Will each turret rotate on a heavy duty shear ball type bearing protected against dirt and moisture and provided with means for pressure lubrication? YES NO
- X9.6.4 Will motor and gear box rotation be powered by a reversible hydraulic orbital motor driving gear box, which prevents free wheeling in case of hydraulic failure? YES NO

X9.6.5 Will a counterweight be attached to the pedestal assembly and rotate with the bridge inspection unit on the opposite side and stay within the width of body when the booms are deployed? YES NO

X10.0 BOOMS:

X10.1 Will unit be equipped with four (4) articulating hydraulically operated booms YES NO

X10.2 Will all telescopic boom sections be equipped with high wear capacity nylon support rollers or equal? YES NO

X10.3 Is main boom (Boom #1) hinged to the mainframe pedestal turret and clear a 12 foot 6 inch sidewalk? YES NO

X10.4 Will the second boom (Boom #2) be attached to the end of Boom #1 and provide vertical clearance of 24 feet YES NO

X10.4.1 Is it capable of articulating to a horizontal position, perpendicular from the bridge so that the inspection bucket can access the bridge fascia? YES NO

X10.5 Is the third boom (Boom #3) telescopic and hinged to the end of Boom #2 YES NO

X10.5.1 The third and fourth booms are capable of reaching 55 feet horizontally under the bridge the bridge when Boom #2 is in vertical 90 degree position YES NO

X10.6 Is Boom #4 a pivoting end section with an articulating range of 90 degrees above horizontal, and 35 degrees below horizontal YES NO

X10.6.1 Is it telescoping YES NO providing a reach of 13 feet, measured from the top of Boom #3 to the top of the platform YES NO

X10.7 Is operator able to ride the platform over the side of the bridge YES NO

X10.8 Will cylinder swivel pins be of high strength steel, turned, ground and polished or chrome plated? YES NO

X10.8.1 Will pins be secured with self-locking nuts or keeper bolts? YES NO

- X10.9 Will booms have full hydraulic powered cylinders? YES ___ NO
- X10.10 Will all cylinders be pilot operated, double-acting with integral safety holding valve? YES ___ NO
- X10.11 Nitrate rods are provided on all lift cylinders YES ___ NO
- X10.12 Will boom actuation be by cylinders that are directly attached to the booms YES ___ NO
- X10.13 Will cylinder be attached to the booms with high strength steel pins? YES ___ NO
- X10.14 Will cylinder pins be secured with either keeper bolts in the head of the pin or locking nuts. YES ___ NO
- X10.15 Overhead Reach: The platform is capable of being placed above the bridge deck approximately 50 feet YES ___ NO
- X10.16 All grease fittings on unit are threaded screw-in type YES ___ NO
- X11.0 PLATFORM:
- X11.1 Will (1) 40 inch wide aluminum platform with 600 lb. capacity be hinged at the end of the fourth boom and automatically be kept level at all times by a hydraulic leveling system? YES ___ NO
- X11.1.2 Capable of rotating 180 degrees
- X11.2 Platform dimensions 40 inches x 60 inches long x 42 inches
- X11.3 Will an access gate be provided at the end of the platform? YES ___ NO
- X11.4 Will covers be provided for platform? YES ___ NO
- X11.5 With platform completely extended, can the truck be driven slowly forward or backward to provide continuous or overlapping areas of coverage? YES ___ NO
- X11.6 Will (3) safety harnesses and lanyards be furnished? YES ___ NO
- X11.7 Will attachments for safety belts be installed in the platform? YES ___ NO

X12.0 AUXILIARY DIESEL ENGINE AND PTO POWER SOURCES:

- X12.1 Will the primary source of power be a PTO transmission-mounted pump?
 YES NO
- X12.2 As an alternate, will an auxiliary engine be supplied YES NO
- X12.3 Will engine have capacity to perform two or more unit movements simultaneously?
 YES NO
- X12.4 Will auxiliary engine have a 12-volt electrical system with keyed ignition, electric starter and alternator?
 YES NO
- X12.5 Will system allow engine to be started from the truck batteries
 YES NO
- X12.6 Will auxiliary engine have a fuel connection to the truck fuel tank(s)?
 YES NO
- X12.7 Will diesel engine have fuel filtration system?
 YES NO
- X12.8 Will engine compartment cover be lockable with keys to allow complete access to engine and hydraulic system components?
 YES NO
- X13.0 HYDRAULIC SYSTEM:
- X13.1 Will all movements of the underbridge inspection aerial device be made by hydraulic pressure?
 YES NO
- X13.2 Will all hydraulic cylinders be double acting with direct-coupled safety check valves as protection, in case of pump or hose failure?
 YES NO
- X13.3 Will reservoir be of steel welded construction with 50 gallon storage capacity?
 YES NO
- X13.4 Will reservoir have baffles, clean out access and exterior oil sight level gauge?
 YES NO
- X13.5 Will hydraulic oil be filtered through a return line 10-micron filter with replaceable element?
 YES NO
- X13.6 Will a 100-mesh strainer be located on the suction side of the reservoir?
 YES NO

X13.7 Will all filters be accessible for easy element replacement? YES NO

X13.8 Will hydraulic fluid transmission lines be flexible hoses? YES NO

X13.9 Will flexible hoses be wired braid reinforced and have a weather and abrasion resistant covering? YES NO

X13.10 Bursting pressure rating 200 % of system operating pressure

X13.11 Will pressure gauges be provided for hydraulic system to allow for checking manufacturer's specified pressure settings? YES NO

X14.0 CONTROLS AND SAFETY SYSTEM:

X14.1 Will three (3) sets of controls be provided? YES NO

X14.1.1 Will one (1) set of hydraulically operated controls be at the pedestal? YES NO

X14.1.2 Will one (1) set of radio controls at the basket YES NO

X14.1.3 Will one (1) set of radio controls for operation at the pedestal and from edge of bridge YES NO

X14.2 Will the hydraulic pedestal control be capable of overriding the radio controls? YES NO

X14.3 Will all controls be equipped with 2-way, return to neutral type levers? YES NO

X14.4 Will all control valves have proportional flow control and precise metering capability to provide smooth operation of the unit in all working positions and to insure the safety of operating personnel at all times? YES NO

X14.5 Will controls be arranged to allow for each individual movement separately or in any combination desired? YES NO

X14.6 Will controls be located to facilitate maintenance access? YES NO

X14.7 Will manual overrides be provided for all functions? YES NO

X14.8 Will remote carrier and auxiliary engine kill switches be installed at the pedestal and platform control station? YES NO

- X14.8.1 Will a color display be provided at the pedestal with control of front and rear suspension lockouts, counterweight, and accessories YES NO
- X14.8.1.1 Will it also display status of limit switch system YES NO
- X14.9 Will electric/hydraulic control switch for both front and rear suspension lockouts be located at the pedestal within easy reach and view of operator?
 YES NO
- X14.10 Will unit have interlock to prevent operation of underbridge inspection aerial device if suspension lockouts are not engaged?
 YES NO
- X14.11 Will unit have limit switches to prevent rotation or articulation of booms into unstable positions?
 YES NO
- X14.12 Will unit have relief valves and switches to prevent overloading hydraulic system with excessive pressure?
 YES NO
- X14.13 Will unit have automatic check valves on hydraulic cylinders in case of pump or hose failure?
 YES NO
- X14.14 Will unit have an automatic audible alarm to signal excessive slope conditions?
 YES NO
- X15.0 TRUCK STABILIZERS:
- X15.1 Will the frame be equipped with four (4) hydraulically operated suspension lockouts, two (2) at the front axle and two (2) at the rear axle, controlled from the pedestal station
 YES NO
- X15.2 Will lockout system include indicator lights to alert the operator that the lockouts are engaged or disengaged?
 YES NO
- X15.3 Will lights be installed in the cab and at the pedestal? YES NO
- X15.4 Will interlock be installed to prevent operation of the underbridge inspection aerial device when the suspension lockout system is disengaged? YES NO
- X15.5 Will a manual override (to allow booms to be stowed in case of system malfunction) be installed at the pedestal?
 YES NO
- X15.6 Will the truck be capable of withstanding all tipping forces generated by booms in all positions in both stationary and moving application when lockouts are engaged?
 YES NO

X15.7 Does unit have outriggers which are UNACCEPTABLE? YES ___ NO
NO OUTRIGGERS PROVIDED

X16.0 COMMUNICATION SYSTEM:

X16.1 Will an intercommunication system between personnel in the truck cab, the pedestal control station, the ground remote control station and the work platform be provided and installed? YES ___ NO

X16.2 Will system consist of a fully transistorized amplified (powered by the truck batteries) with on/off switch, volume controls and an integral press-to-talk switch mounted in the truck cab convenient to the driver and at the pedestal? YES ___ NO

X16.3 Will the basket speaker be activated in a hands free mode? YES ___ NO

X16.4 Will one (1) lightweight headset with an earpiece and microphone be provided? YES ___ NO

X16.5 Will jacks for headset be provided in the cab and pedestal location YES ___ NO

X17.0 ACCESSORIES:

X17.1 Hydraulically driven air compressor 16 CFM @ 100 PSI mounted under the truck body? YES ___ NO

X17.2 Will the unit include a 30 gallon ASME stamped air receiver tank(s) with safety valve, condensation drain, pressure gauge and shut-off valve? YES ___ NO

X17.2.1 Will the tank be mounted under the truck bed YES ___ NO

X17.3 Will the unit have a 1/2" I.D. air line with 100 PSI working pressure rating provided to the work bucket? YES ___ NO

X17.4 Will air line be routed along the booms in protected areas and terminate at the bucket with a quick disconnect coupling? YES ___ NO

X17.5 Will four (4) 115-volt, three (3) contact, weatherproof, grounding, receptacles be provided at the bucket and two (2) at truck platform? YES ___ NO

X17.6 Will receptacles be ground fault interruption protected? YES ___ NO

X17.7 Unit will be equipped with SINGLE phase 60 Hz, AC generator which will be driven by the auxiliary diesel engine? X YES ___ NO

X17.8 Generator will be 5 KW for the operation of the heaters, air compressor and electrical outlets? X YES ___ NO

X17.9 Will work platform/bucket be equipped with two (2) 1500-watt, 5000 BTU, 115 volt, 60 Hz heaters with blower fans? X YES ___ NO

X17.10 Will the work platform be equipped with two (2) swivel mounted 12-volt flood lamps? X YES ___ NO

X18.0 LABELS:

X18.1 Will all controls, switches, lights and indicators be permanently labeled as to function and where applicable, director of operations, using either engraved plastic or permanently etched metal labels? X YES ___ NO
(Dymo labels will not be acceptable.)

X19.0 Will successful vendor meet OSHA requirements as specified in specification 19.0? X YES ___ NO

X20.0 Will successful vendor meet advertising requirements as specified in specification 20.0? X YES ___ NO

X21.0 Have you submitted drawings of the proposed underbridge inspection unit with dimensions and clearances with your bid proposal? X YES ___ NO

(if not, why not) _____

PREBID ADDENDUM #3
OPEN END CONTRACT
7010EC04
UNDERBRIDGE INSPECTION UNIT

CHANGES TO BIDDER'S EVALUATION REPORT:

FROM:

X7.7.23

Will unit be provided with dual fuel tanks _____ YES _____ NO

Capacity: _____ gallon, left hand mounted _____ YES _____ NO

TO:

X7.7.23

Will unit be provided with dual _____ or single fuel tanks

Total capacity: 116 gallon, left hand mounted YES _____ NO

FROM:

X17.8 Generator will be _____ KW for the operation of the heaters, air compressor and electrical outlets? _____ YES _____ NO

TO:

X17.8 Generator will be 5 KW for the operation of the heaters and electrical outlets? YES _____ NO

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: W.VA. - OHIO MOTOR SALES, INC. Signed: [Signature]
Date: 03-03-2010 Title: U.P. & G.M.

*Check any combination of preference consideration(s) indicated above, which you are entitled to receive.

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 owed is an amount greater than one thousand dollars in the aggregate.

DEFINITIONS:

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

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

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

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: W.VA. - OHIO MOTOR SALES, INC.

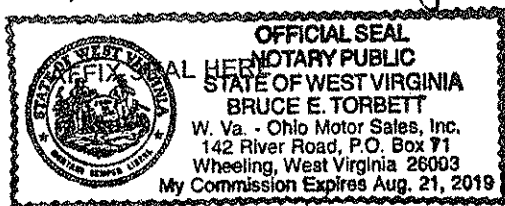
Authorized Signature: *Chris Boyd* Date: 03-03-2010

State of WEST VIRGINIA

County of OHIO, to-wit:

Taken, subscribed, and sworn to before me this 3RD day of March, 2010.

My Commission expires August 21, 2019



NOTARY PUBLIC *Bruce E. Torbett*



W. VA. - OHIO MOTOR SALES, INC.

142 RIVER ROAD • P.O. BOX 71 • WHEELING, WV 26003-0008

Phone 304-232-7515 • 800-688-7515 • Fax 304-232-6719

“Major Distributor for all Heavy Duty Truck Parts”



March 3, 2010

State of West Virginia
RFQ No. 7010EC04
Under Bridge Inspection Unit

EXCEPTIONS/CLARIFICATIONS

- 4.2 Delivery 120 days desired Delivery estimate is 280 days after receive award based on Current production levels.
- 7.3.4.2 Front Axle “Visible Oil Seals”
Mack 20,000 lbs. axle proposed no longer has Visible Oil Seals
Front seals are permanent type – sealed grease – no maintenance
(see Front Axle literature provided)
- 7.6.5 Cooling System Permanent Anti-Freeze to: -40F
Factory Specs to: -37F Dealer will add Anti-Freeze to comply with: -40F spec.
- 7.11.1/7.11.2 Cab Paint is: standard Mack white
Frame – Suspension – Bumper – Fuel Tank is Manufacturer standard black
- 7.11.4 Manufacturers standard wheels powder coated paint gray/white
Proposed standard wheel paint - gray
Powder coated – not available



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
7010EC04

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
MICHAEL AUSTIN 304-558-2402

VENDOR

*709035626 304-232-7515
 WVA OHIO MOTOR SALES INC
 142 RIVER ROAD
 PO BOX 71
 WHEELING WV 26003

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
02/19/2010				

BID OPENING DATE: 03/03/2010 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
				ADDENDUM NO. 2		
				BID OPENING DATE AND TIME CHANGED		
				FROM: 02/24/10 @1:30 P.M.		
				TO: 03/03/10 @1:30 P.M.		
				NO OTHER CHANGES.		
0001	1	EA		975-66		#635,316 ⁰⁰
				UNDERBRIDGE INSPECTION UNIT		
				***** THIS IS THE END OF RFQ 7010EC04 *****	TOTAL:	#635,316 ⁰⁰
				REQUEST 5% BIDDING PREFERENCE		
				DELIVER - EST. @ 280 DAYS AFTER AWARD.		
				BASED ON CURRENT PRODUCTION LEVELS		

*Revised
Chris Boyd*

ONE(1) ZOMMACK
 MODEL GA713 WITH
 ASPEN AERIAL A-62
 #635,316⁰⁰

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Chris Boyd</i>	TELEPHONE 800-688-7515	DATE 03-03-2010
-----------------------------	------------------------	-----------------

TITLE <i>Supervisor</i>	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE
-------------------------	------	-----------------------------------

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



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

Request for Quotation

RFQ NUMBER
 7010EC04

PAGE
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF
 MICHAEL AUSTIN
 804-558-2402

SUBJECT

*709035626 304-232-7515
 WVA OHIO MOTOR SALES INC
 142 RIVER ROAD
 PO BOX 71
 WHEELING WV 26003

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
02/22/2010				

BID OPENING DATE: 03/03/2010 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
				ADDENDUM NO. 3		
				CHANGES TO THE SPECIFICATIONS ATTACHED.		
				BID OPENING DATE AND TIME REMAINS 03/03/10 @1:30 P.M.		
				NO OTHER CHANGES.		
0001	1	EA		975-66		
				UNDERBRIDGE INSPECTION UNIT		
***** THIS IS THE END OF RFQ 7010EC04 ***** TOTAL:						<i>RECEIVED</i> <i>Chris Boych</i> <i>3-3-2010</i> \$635,316 ⁰⁰ ONE (1) 2011 Mack Model GU 713 WITH Aspen Aeriox A-62

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE *Chris Boych* TELEPHONE 800-688-7515 DATE 03-03-2010

TITLE *Salesman* FEIN ADDRESS CHANGES TO BE NOTED ABOVE

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

PREBID ADDENDUM #3
OPEN END CONTRACT
7010EC04
UNDERBRIDGE INSPECTION UNIT

CHANGES TO SPECIFICATIONS:

FROM:
7.7.23 Unit to be provided with dual fuel tanks and steps, **minimum 100 gallon capacity left hand mounted.**

TO:
7.7.23 Unit to be provided with dual or single fuel tanks and steps, **minimum 100 gallon total capacity left hand mounted.**

FROM:
17.8 **Generator shall be a minimum 5 KW for the operation of the heaters, air compressor and electrical outlets.**

TO:
17.8 **Generator shall be a minimum 5 KW for the operation of the heaters and electrical outlets.**

*RECEIVED
Chris Boyd
03-03-2010
W. Va - Otero Motor Sales*



PROPOSAL

Especially Prepared For:

STATE OF WEST VIRGINIA
2019 WASHINGTON STREET EAST
CHARLESTON,, WV 25305-0130

Presented By:

chris boyd
W.VA.-OHIO MOTOR SALES, INC.
142 RIVER ROAD

WHEELING,, W.VA. 26003

Especially Prepared For:

STATE OF WEST VIRGINIA
2019 WASHINGTON STREET EAST
CHARLESTON,, WV 25305-0130

RE: MACK GRANITE AXLE FORWARD (GU713)
SERVICE/UTILITY. . . On/Off Hwy

Thank you for the opportunity to review your current truck needs and present this proposal. The accompanying proposal has been prepared to give you the complete specifications and performance details of the unit best suited for your operations. Today, as costs continue to rise, we know you demand a truck that will be the most economical in the long run. Several factors that I believe are important in achieving this goal are:


- * Improved Fuel Economy
- * Reduced Maintenance
- * Improved Productivity
- * High Resale Value

The enclosed specifications and recommendations have been carefully designed to meet all these objectives. I think that after reviewing this proposal you will come to the same conclusion that so many operators are coming to:

"MACK Has What It Takes!!"

I look forward to meeting with you and to discuss any questions you might have regarding this proposal.

Sincerely,



chris boyd
W.VA.-OHIO MOTOR SALES, INC.



CHASSIS SPECIFICATIONS SUMMARY

March 02, 2010

2011 MACK GU713

SERVICE/UTILITY... On/Off Hwy
STRAIGHT TRUCK WITHOUT TRAILER

Engine	MACK MP7-405M 405HP	Transmission	4500 RDS
		Clutch	OMIT CLUTCH
Front Axle	20,000# FXL20	Rear Axle	46,000# S462 Ratio 5.66
Suspension	20,000#	Suspension	46,000# RT463
Tires	Front: 425/65R22.5 Rear: 11R22.5	Wheels	22.5x12.25 STEEL DISC (10-HOLE) 22.5x8.25 STEEL DISC (10 HOLE)
Ratings	GVW: 66,000# + PUSHER AXLE	Fuel Tanks	LH: 116gal
Fifth Wheel		Sleeper	

PRICING SUMMARY

	Total Price
SELLING PRICE (Excluding Taxes/Fees/Trade)	\$624,225.78
Model Year/Technology Surcharge	\$11,400.00
Net FRET or Canadian GST Taxes	\$0.00
Tire Tax Credit (Municipal Only)	(\$309.78)
Sales/Usage Taxes	\$0.00
License/Title/Etc.	
Misc Fees	
Trade	\$0.00
ACQUISITION COST (Include Trade if applies)	\$635,316.00
Less Down Payment	
BALANCE DUE Per Unit	\$635,316.00
PRICE (Total Order)	\$635,316.00
BALANCE DUE (Total Order) ONE (1) 2011 MACK, MODEL GU713	\$635,316.00
COMPLETE WITH ASPEN AXIAL, MODEL A-62	

RFQ # 7010ECO4

5% BIDDING PREFERENCE REQUESTED

DELIVERY ESTIMATE: 280 DAYS AFTER AWARD
BASED ON CURRENT PRODUCTION LEVELS

CHASSIS

Total Quantity: 1	Estimated Total Weight: 21,512#	Reference#: AEQK023911C
-------------------	---------------------------------	-------------------------

X _____
Customer Signature Date

X Chris Boyd 03-03-2010
Dealer Signature Date

Prepared For:
STATE OF WEST VIRGINIA
2019 WASHINGTON STREET EAST
CHARLESTON, WV 25305-0130
Phone: --
Fax: --

Presented By:
chris boyd
W.VA.-OHIO MOTOR SALES, INC.
142 RIVER ROAD
WHEELING, W.VA. 26003
304-232-7515



Prepared For:

STATE OF WEST VIRGINIA
2019 WASHINGTON STREET EAST
CHARLESTON,, WV 25305-0130

Presented By:

W.VA.-OHIO MOTOR SALES, INC.
142 RIVER ROAD
WHEELING,, W.VA. 26003
304-232-7515

Mar 2, 2010
2011 GU713
Ref#: AEQK023911C

Description

Front Wt Rear Wt.

ORDER/CUSTOMER/VEHICLE INFORMATION

INITIAL REGISTRATION LOCATION, UNITED STATES, WEST VIRGINIA
IDLE EMISSION CERTIFICATION, IDLE EMISSION CERTIFICATION - CARB 08
TYPE OF SERVICE, MUNICIPAL
VEHICLE APPLICATION CLASS, HEAVY VOCATIONAL - Unlimited operation on concrete, asphalt, or maintained gravel/packed dirt with a maximum 3% grade; limited operation on unmaintained surfaces with maximum 5% grade; limited operation on concrete, asphalt, or maintained gravel/packed dirt with maximum 10% grade. (3 AXLES) 78,000 lbs (35,281 kg) MAX GVW. (4 AXLES) 80,000 lbs (36,288 kg) MAX GVW.
CARRIER APPLICATION, WITH CRD150-151, Unlimited miles on 3% grade maintained gravel/packed dirt or paved, Max 15% miles on 10% grade maintained gravel/packed dirt or paved, Max 10% miles on 5% unmaintained, maintained gravel, packed dirt, or paved. 90000# (41000 kg) MAX GCW. (Carrier Code USA-V1)
VEHICLE TYPE, STRAIGHT TRUCK WITHOUT TRAILER
VEHICLE USE AND BODY/TRAILER TYPE, SERVICE/UTILITY. . . On/Off Hwy
COMMODITIES, VARIOUS
FILE STATUS, QUOTE
PRICE BOOK LEVEL, 2011B PRICE BOOK LEVEL
PRODUCT TYPE, PRODUCT TYPE - CML64R
PRODUCT CLASS, PRODUCT CLASS 28
BACK OFFICE PROCESS, BACK OFFICE PROCESS

BVS

CHASSIS (BASE MODEL), GU703 6-WHEEL TRUCK 8451 8009

ENGINE/TRANSMISSION/CLUTCH

ENGINE, MACK MP7-405M 405 HP @1500-1900 RPM (PEAK) 1480 LB FT. MAX TORQUE @
1100-1300 RPM
TRANSMISSION, ALLISON 4500 RDS-6 SPEED AUTOMATIC 209 41
CLUTCH, OMIT CLUTCH

EXHAUST/EMISSIONS

DIESEL PARTICULATE FILTER, DIESEL PARTICULATE FILTER RH SIDE UNDER CAB W/SCR
FRAME MTD RH SIDE
EXHAUST AFTER-TREATMENT SYSTEM, EXHAUST AFTER-TREATMENT SYSTEM DIESEL
PARTIC FILTER CERAMIC PASSIVE REGEN
DPF REGENERATION CONTROL, AUTO IN MOTION, MAN. STATIONARY MAN. INHIBIT & AUTO
STATIONARY W/PTO ENGAGED
DPF SMART SWITCH, NO INHIBIT DPF REGENERATION SWITCH
EXHAUST, SINGLE (R/S) VERTICAL STRAIGHT EXHAUST STACK TURNED OUT
SINGLE, BRIGHT FINISH HEAT SHIELD
FURNISH STEEL PAINTED HEAT SHIELD FOR FRAME MTD MACK CAP DPF

ENGINE EQUIPMENT

AIR COMPRESSOR, MERITOR/WABCO 318 18.7 CFM

Description	Front Wt	Rear Wt
AIR CLEANER, 11" x 30" (279 mm x 762 mm) UNDER HOOD SINGLE ELEMENT DRY TYPE W/AIR INTAKE FROM BOTH SIDES OF HOOD		
AIR GOVERNOR		
ALTERNATOR, DELCO 12V 130A (24SI)		
BATTERIES, (3) MACK 12V M/F GROUP 31 650/1950 CCA THREADED STUD TYPE W/KALAS CABLES		
BUG SCREEN, RADIATOR MOUNTED		
TEXACO LONG LIFE ENGINE COOLANT #7998 WITH NITRITES (50/50 mix) to -34 degrees F (-37 degrees Celsius)		
SPIN ON CANISTER W/O CHEMICAL FOR USE W/TEXACO EXTENDED LIFE COOLANT ONLY		
ENGINE BRAKE, MACK POWERLEASH		
ENGINE HOSES AND TUBING, SILICONE (DOES NOT INCLUDE HEATER & RADIATOR HOSES)		
FAN DRIVE, BEHR FAN AND ELECTRONIC MODULATING FAN DRIVE		
FLYWHEEL HOUSING, LIGHT WEIGHT, ALUMINUM		
FUEL-WATER SEPARATOR, MACK W/MANUAL DRAIN VALVE (INTEGRAL W/PRIMARY FUEL FILTER)		
HAND PRIMER PUMP		
HOSES - RADIATOR/HEATER, SILICONE		
RADIATOR, ALUMINUM CORE		
STARTER, 12 VOLT GEAR REDUCTION STARTER		
ELECTRONIC STARTER INTERLOCK		
TRANSMISSION EQUIPMENT/DRIVELINES		
CLUTCH ASSIST (AIR), Information is not required		
CLUTCH PEDAL, W/O CLUTCH PEDAL		
TRANSMISSION BELL HOUSING, ALUMINUM		
FURNISH FOR ALLISON TRANS W/DIRECT MOUNT COOLER W/US '07 ENGINES		
SYNTHETIC LUBRICANT - TRANSMISSION, TRANSYND SYNTHETIC LUBE FOR ALLISON TRANS		
VOCATIONAL PACKAGE - ALLISON, ALLISON VOCATIONAL PKG. #104115 RUGGED DUTY		
SERIES (RDS)		
WITHOUT DRIVESHAFT GUARD FOR CENTER BEARING		
DRIVELINE - MAIN, SPICER 1810 HD W/COATED SPLINES	6	17
DRIVELINE - INTERAXLE, SPICER 1710 HD W/COATED SPLINES		
CAB (A thru G)		
BLEND AIR HVAC W/APADS	1	
AIR CONDITIONING COMPRESSOR, ROTARY FREON		
AIR RESTRICTION MONITOR (INTAKE), W/O AIR RESTRICTION MONITOR		
ASH TRAY		
BUG DEFLECTOR - HOOD MOUNTED, CLEAR - BUG DEFLECTOR - HOOD	2	
CAB, LH-DRIVE CA68 CONV CAB		
CAB MOUNTING, AIR SUSPENSION		
CERTIFIED WEIGHT		
CIGAR LIGHTER		
COAT HOOK (2)		

Description	Front Wt	Rear Wt
DRIVERS AND PASSENGER SIDE CUP-HOLDERS		
PARK BRAKE AND ENGINE RUNNING ACTIVATED		
(4) LAMPS RH & LH DOME LAMPS-DOOR & SWITCH ACTIVATED; (2) CAB REAR DOME		
LAMPS-SWITCH ACTIVATED		
DOOR INTERIOR TRIM PANELS, PADDED VINYL WITH ARM REST PADS		
ENGINE SHUTOFF, KEY TYPE		
FENDER EXTENSIONS, FENDER EXTENSIONS		5
5LB FIRE EXTINGUISHER BETWEEN LH SEAT BASE AND DOOR WITH VALVE AIMED REARWARD		6
FLOOR COVERING, POLYURETHANE FLOOR MAT		
GAUGE, AIR PRESSURE		
GAUGE, VOLTMETER		
GAUGE CLUSTER, EXHAUST PYROMETER, TRANS OIL TEMP, MANIFOLD PRESSURE, AND AIR		
APPLICATION		
GAUGE, ENGINE COOLANT TEMPERATURE		
GAUGE, ENGINE OIL PRESSURE		
GAUGE, ENGINE OIL TEMPERATURE		
GAUGES, ENGLISH/METRIC DISPLAY		
GAUGE, SPEEDOMETER W/TRIP ODOMETER (ELECTRONIC 1% ACCURACY)		
ENGINE TACHOMETER		
GEAR SHIFT, DASH MOUNTD SHIFTER		
GLASS - CAB WINDOW, SAFETY TINTED WINDSHIELD, SIDE AND REAR WINDOWS		
DIAGONAL GRAB HANDLE ON INSIDE DRIVER'S DOOR		2
GRILLE - HOOD AIR INTAKE, GRILLE PAINTED GRAY		
GRILLE, SILVER PAINTED W/O GRILLE SURROUND		
CAB (H thru R)		
HOOD AND FENDERS, COMPOSITE MATERIAL		
HOOD INSULATION		
PAINTED HOOD LATCHES		
HORN - AIR, (2) ROUND SINGLE TRUMPET (ONE EACH SIDE CAB ROOF)		2
HORN - ELECTRIC, SINGLE TONE		
IDENTIFICATION/CLEARANCE LIGHTS, (5) MARKER AND CLEARANCE		
IN-DASH STORAGE, W/O UPPER STORAGE OPTION		
INSTRUMENT CLUSTER DISPLAY, CO-PILOT DRIVER DISPLAY (ENHANCED 4.5" DIAGONAL		
GRAPHIC LCD DISPLAY W/4-BUTTON STALK CONTROL) (INCLUDES GUARDDOG ROUTINE		
MAINTENANCE MONITORING)		
INSTRUMENT PANEL, CHARCOAL WITH BLACK GAGE BEZEL		
INTERIOR TRIM (PUREBRED - SANDSTONE) Vinyl headliner & seat covering, 3 overhead storage compartments w/nets, rear panel with storage pouch, polyurethane floor mat, 2 cup holders, slate gray instrument panel with black gauge bezel, Sandstone door panels & trim, RH door peep window, padded interior sun & visors both sides, 2 spoke slate grey urethane cushion grip steering wheel with Bulldog horn button, adjustable tilt/telescoping steering column, hand crank lh/rh windows, 2 general overhead lights, 1 driver overhead light & 1 map non-glare overhead light, 2 12V power sources, seat belts, lap and shoulder w/cab mtd shoulderbelt, 2 coat hangers, 2 trash bag hooks, RH storage		

Description	Front Wt	Rear Wt
compartment		
CHASSIS KEYED AT RANDOM - 2 KEYS		
LOW AIR PRESSURE INDICATOR LIGHT AND BUZZER		
MIRRORS - EXTERIOR, AERODYNAMIC MOTO MIRROR PACKAGE: RH - MOTORIZED AND HEATED; LH HEATED ONLY	7	
MIRRORS - CONVEX TYPE, BRIGHT FINISH, LH & RH 8.0" DIA HEATED; MOUNTED BELOW LOWER ARM OF WEST COAST MIRROR	2	
OVERHEAD CONSOLE, (2) STORAGE COMPARTMENTS AND NET RETAINERS W/CENTER MOUNTING FOR CB PROVISIONS		
PARKING BRAKE ON INDICATOR LIGHT		
PERSONALIZED NAME PLATE		
STATE OF WEST VIRGINIA		
POWER OUTLETS, (2) 12-VOLT AUXILIARY POWER OUTLETS - DASH MOUNTED		
AM/FM STEREO CD W/WEATHERBAND		
RADIO ANTENNA, CAB MOUNTED BEHIND LH DOOR		
POWER LEADS (5-WAY BINDING POSTS FOR CB RADIO) IN HEADER CONSOLE		
CB RADIO MOUNTING REINFORCEMENT IN HEADER CONSOLE		
REAR WINDOW (FIXED TYPE)		
EMERGENCY TRIANGLE KIT PARALLEL TO INSIDE SURFACE OF RIDERS SEAT BASE	13	2
CAB (S thru Z)		
SEAT - DRIVER, BOSTROM TALLADEGA 915 (MID-BACK) AIR SUSPENSION		
SEAT - RIDER, MACK FIXED (MID-BACK) NON-SUSPENSION		
SEAT ARM RESTS,		
SEAT COVERING, ALL VINYL DRIVER & RIDER SEATS		
LAP & SHOULDER W/FIXED D-RING FOR DRIVER & RIDER SEATS TO BE ORANGE IN COLOR		
W/O ROOF VENT VENTILATION		
STARTER SWITCH, KEY TYPE		
STEERING COLUMN, ADJUSTABLE TILT TELESCOPE		
STEERING WHEEL, TWO SPOKE URETHANE GRIP PAINTED SPOKES & BULLDOG HORN CAP		
STORAGE POUCH REAR		
SUN VISOR - INTERIOR, BOTH SIDES (PADDED VINYL)		
WINDOW CONTROLS, HAND CRANK OPERATION		
WINDSHIELD WASHERS, ELECTRIC, WIPER MOUNTED W/RESERVOIR MOUNTED UNDER HOOD		
WINDSHIELD WIPERS, 2 SPEED ELECTRIC MOTOR W/INTERMITTENT FEATURE		
FRAME EQUIPMENT/FUEL TANKS		
BUMPER - FRONT, EXT.-SWEPT BACK-STEEL CHANNEL 122.5"/3112 mm BBC	26	26
CROSSMEMBERS, BOC AND INTERMEDIATE CROSSMEMBERS, HD I-BEAM	-18	77
I-BEAM REAR CROSSMEMBER	-29	127
CROSSMEMBER (BEHIND REAR AXLE), ONE STEEL I-BEAM WITHOUT FIFTH WHEEL MOUNTING ANGLES		
FRONT FRAME EXTENSION, 6" BOLT ON FRAME EXTENSION	35	-3
RADIATOR GUARD, PLATE TYPE		
TOWING DEVICE - FRONT, HOOKS		

Description	Front Wt	Rear Wt
FUEL TANK - LH, 116 GALLON (439 L) STEEL D-SHAPE	80	47
FUEL TANK - RH, OMIT RH STANDARD		
STANDARD FINISH STEPS AND BRIGHT FINISH STRAPS - FUEL TANK		
11.8 GALLON (45 L) 22" DIAMETER TANK LEFT SIDE FRAME MTD		
PAINTED FINISH DEF TANK COVER		
W/O FUEL LINE OPTION		
FRONT AXLE/EQUIPMENT/TIRES		
FRONT AXLE, 20000# (9072kg) MACK FXL20 WIDE PIVOT CENTER	427	
TIRES BRAND/TYPE - FRONT, BRIDGESTONE - TUBELESS RADIAL PLY, (2) 425/65R22.5 20 L M844F (ALL POSITION) (CHASSIS WIDTH EXCEEDS 96")	146	
WHEELS - FRONT, STEEL DISC (10-HOLE)		
(2) 22.5x12.25 HAYES LEMMERZ 10-HOLE HUB PILOTED (11 1/4"/286mm BC)	42	
WHEELS - POLISHED (FRONT), W/O FRONT DISC WHEEL BRIGHT FINISH		
HUBS - FRONT, FERROUS		
BRAKES - FRONT, MERITOR "S" CAM TYPE 16.5" x 6" Q+	32	
BRAKE DRUMS - FRONT, CAST OUTBOARD MOUNTED		
BRAKE LINING, MERITOR R403 BRAKE LINING		
DUST SHIELDS - FRONT BRAKE, OMIT		
FAG SCHAEFFLER, FRONT HUB OIL SEAL		
SHOCK ABSORBERS, FRONT		
SLACK ADJUSTERS - FRONT, GUNITE 2000 - AUTOMATIC		
SPRINGS - FRONT, MACK MULTILEAF 20000# (9072kg) GROUND LOAD RATING	155	
STEERING, SHEPPARD SD110 + HD94	115	
REAR AXLE/EQUIPMENT/TIRES/RATIOS		
REAR AXLE/SUSPENSION, REAR TANDEM AXLE/SUSPENSION- MACK S462 TANDEM 46,000# WITH HENDRICKSON RT463 SUSPENSION 46,000#.		65
TIRES BRAND/TYPE - REAR, BRIDGESTONE - TUBELESS RADIAL PLY, (8) 11R22.5 16 H R280 (ALL POS)		-24
CARRIER/RATIO - REAR AXLE, CRDP150/151, 5.66 RATIO		
WHEELS - REAR, STEEL DISC (10 HOLE)		
(8) 22.5x8.25 (210 mm) HAYES LEMMERZ 10-HOLE HUB PILOTED (11 1/4"/286 mm BC)(TWO HAND HOLE)		
HUBS - REAR, FERROUS		
BRAKES - REAR, MERITOR "S" CAM 16.5"x7" Q+		
BRAKE DRUMS - REAR, CAST OUTBOARD MOUNTED		
BRAKE LINING, ABEX 931-162 (MERITOR R301)		
DUST SHIELDS - REAR BRAKE, OMIT		
OIL SEALS, CHICAGO RAWHIDE (SCOTSEAL)		
POWER DIVIDER LOCKOUT W/WARNING LIGHT AND BUZZER (INCLUDES IN CAB MANUAL AIR VALVE)		40
SLACK ADJUSTERS - REAR, GUNITE 2000 - AUTOMATIC		
SUSPENSION - AXLE SPACING, 54 INCH REAR AXLE SPACING WITH HENDRICKSON RT463 SUSPENSION.		

Description	Front Wt	Rear Wt
SPRING BRAKE CHAMBERS - QUANTITY, (4) DOUBLE DIAPHRAGM TYPE, MECHANICAL SPRING RELEASE, (2) MOUNTED ON EACH AXLE		
SPRING BRAKE CHAMBERS - VENDOR, MGM MODEL TR-T (TAMPER RESISTANT)		
SPRING BRAKE CHAMBERS, TYPE 30/30 REAR		73
TRANSVERSE TORQUE RODS (BOTH AXLES)		
BRONZE TRUNNION BUSHING		
W/O PROTECTIVE NYLON SPACER BETWEEN DISCS WHEEL TO DRUM		
NON-DRIVE AXLES		1160
PUSHER AXLE, 20000# HENDRICKSON (NON-STEER) HLM SERIES FACTORY INSTALLED BY NVOC. MOUNTING WILL VARY TO MEET CUSTOMERS REQUIREMENTS INCLUDES HUB AND DRUM ASSEMBLIES. DOES NOT INCLUDE TIRES, WHEELS OR RIMS.		
FRAME/WHEELBASE/PLATFORM		
FRAME RAILS, 11.811" x 4.13" x .44" (300 x 105 x 11.1mm) STEEL Section Modulus: 35.5 cu in/RBM 4,260,000 in lbs per rail For Full IC reinforcement		
WHEELBASE, 307" (7795 mm) WB 219" CA (5572 mm)	1145	944
PLATFORM, 301" LP (7652 mm) 82" AF (2080 mm) USED WITH 307" WB		
FRAME REINFORCEMENT - INSIDE, 5MM STEEL CHANNEL USED W/273"-312" LP		
AIR/BRAKE		
AIR BRAKE SYSTEM, DUAL		
AIR CONTROL VALVES - VENDOR, BENDIX SWITCHES AND VALVES WHERE POSSIBLE		
AIR DRYER, MERITOR/WABCO HEATED AIR DRYER, 1200 W/COALESCING OIL FILTER		
(1) LH UNDER BATTERIES, (2) RH BEHIND TIRE		
AIR RESERVOIRS, STEEL		
ANTI-LOCK BRAKE SYSTEM, BENDIX WITHOUT TRACTION CONTROL	2	
AUTOMATIC DRAIN VALVE HEATED		
BRAKE CONTROL VALVE SYSTEM, SINGLE VALVE SYSTEM	25	10
INCREASED AIR CAPACITY, AUXILLIARY AIR TANK CAPACITY FOR (1) EXTRA LIFT AXLE		
INCLUDED AIR LINE/REAR CROSSMEMBER		
MANUAL DRAIN VALVE LANYARD, LANYARD CONTROL ON ALL TANKS WITH MANUAL DRAIN	3	
VALVES		
TRAILER CONNECTIONS		
TRAILER AIR CONNECTIONS, OMIT TRAILER AIR BRAKE CONNECTIONS		
WITHOUT HOSE TENDER		
TRAILER ELECTRICAL RECEPTACLE, WITHOUT TRAILER ELECTRICAL RECEPTACLE		
OMIT TRAILER CONNECTORS HOLDER		
ELECTRICAL		2
BACK-UP ALARM, W/INTERMITTENT FEATURE (AMBIENT NOISE SENSITIVE)		
BATTERY BOX(ES), STEEL		
BATTERY BOX COVERS, MOLDED PLASTIC		
BATTERY BOX - MOUNTING, RIGHT HAND UNDER CAB		
COURTESY LIGHT SWITCH (HEADLAMP AND CLEARANCE)		
ELECTRIC CIRCUIT PROTECTION PACKAGE, ALL CIRCUITS FUSE/BREAKER PROTECTED		
WATERPROOF ELECTRICAL CONNECTIONS SPRAYED W/PROTECTIVE COATING		

Description	Front Wt	Rear Wt
"BODY LINK" II W/CAB FLOOR PASS THRU HOLE/RUBBER BOOT HEADLIGHTS, HALOGEN FLUSH SIGNAL FLASHER TYPE, TRANSISTORIZED FLASHER FOR TURN SIGNAL		
PAINT		
PAINT - CAB EXTERIOR, SINGLE COLOR, MACK WHITE (HIGH GLOSS)		
PAINT - CAB, URETHANE BASE COAT W/O CLEAR COAT		
PAINT - CHASSIS RUNNING GEAR, MACK BLACK (URETHANE)		
PAINT - BUMPER, SAME AS CHASSIS RUNNING GEAR		
PAINT - FUEL TANK, SAME AS CHASSIS RUNNING GEAR		
PAINT - FRONT SPOKE WHEELS, WITHOUT OPTIONAL SPOKE WHEEL PAINT		
WITHOUT OPTIONAL SPOKE WHEEL PAINT		
FRONT WHEELS PRE-FINISHED GRAY		
REAR WHEELS PRE-FINISHED GRAY		
PAINT PROCESS CODES		
PAINT PROCESS - BUMPER, SAME COLOR AS CHASSIS RUNNING GEAR (5ZB-A1X)		
PAINT PROCESS - CHASSIS, CHASSIS RUNNING GEAR - STD COLOR (MACK BLACK) (6AB-Z1X)		
PAINT PROCESS - FUEL TANK, SAME COLOR AS CHASSIS RUNNING GEAR (7HB-A1X)		
W/O CUSTOM PAINT FOR HUB&DRUM/SPOKES (5YB-Z1X)		
W/O CUSTOM PAINTED FRONT/REAR RIM/WHEEL (6BB-Z1X)		
PTO/SPECIALTY/ADDITIONAL EQUIPMENT		
PTO - REAR ENGINE (REPTO), WITHOUT REAR ENGINE POWER TAKE OFF	3	
PTO - CONTROL, PTO SWITCH AND LIGHT WITH WIRING AND PIPING N/A W/RMPTO		
TORQUE CONVERTER TC541	2	2
PROVIDE TECTYL 185GW PIGMENTED COMPOUND BETWEEN FRAME RAILS, AS ADDTL RUST PREVENTION.		
Y-MAC IV PROGRAMMABLE PARAMETERS		
CRUISE CONTROL SETTINGS W/O ALLISON TRANS		
CRUISE CONTROL MAX SET SPEED (MPH) 65 mph		
CRUISE CONTROL MIN SET SPEED (MPH) 20 mph		
CRUISE CONTROL AUTORESUME W/CLUTCH Furnish		
CRUISE'N BRAKE ENGAGEMENT DELAY (MPH) 3 mph		
DATAMAX SETTING FOR USE WITH INSTRUMENT CLUSTER DISPLAY (C0J002)		
ENGINE OVERSPEED COMPANY LIMIT (RPM) 2200 rpm		
FUELED ENGINE OVERSPEED COMPANY LIMIT (RPM) 2100 rpm		
VEHICLE OVERSPEED COMPANY LIMIT (MPH) 75 mph		
FUELED VEHICLE OVERSPEED COMPANY LIMIT (MPH) 70 mph		
IDLE LOGGING DELAY (MIN) 2		
PERIODIC TRIP TYPE Monthly Trip Summary		
PERIODIC TRIP HOUR OF DAY Midnight		
PERIODIC TRIP DAY OF WEEK 0 (disable)		
PERIODIC TRIP DAY OF MONTH 1		
DAYTIME RUNNING LIGHTS W/O OVERRIDE SWITCH		
DRL OVERRIDE SWITCH SPEED THRESHOLD (MPH) 00		

Description	Front Wt	Rear Wt
DRL OVERRIDE SWITCH OFF TIME (MIN) 00 mph		
CO-PILOT SETTINGS FOR INSTRUMENT CLUSTER DISPLAY (COJ 0002)		
CO-PILOT FLEET TRIP PROGRAMMING ACCESS Fleet Level		
FLEET MANAGEMENT VIA CO-PILOT Omit		
DEL MESSAGES CO-PILOT ACTIVATION Omit		
EHT MAX ENGINE SET SPEED (RPM)		
2100 rpm		
EHT MIN ENGINE SET SPEED (RPM) 700 rpm		
EHT VEHICLE SPEED RANGE LIMIT (MPH) 10 mph		
EHT RAMP RATE (RPM/Sec)		
EHT SINGLE SPEED CONTROL ACTIVATION Omit		
EHT SINGLE SPEED CONTROL SET SPEED (RPM) 0000 rpm		
EHT JUMP-TO-MIN SET SPEED Omit		
ENGINE PROTECTION - OIL PRESSURE SHUTDOWN Furnish		
ENGINE PROTECTION - COOLANT LEVEL SHUTDOWN Omit		
ENGINE PROTECTION - COOLANT TEMP SHUTDOWN Furnish		
ENGINE PROTECTION - ENGINE OIL TEMP SHUTDOWN Furnish		
ENGINE PROTECTION TRANS OIL TEMP SHUTDOWN Furnish		
FUEL ECONOMY INCENTIVE FOR USE WITH INSTRUMENT CLUSTER DISPLAY (COJ 0002)		
FEI PENALTY TARGET FUEL ECONOMY No Driver Incentive		
FEI PENALTY TARGET FUEL ECONOMY (MPG) 0.0		
FEI PENALTY VEHICLE SPEED DECREASE (MPH) 0 mph		
FEI REWARD TARGET FUEL ECONOMY (MPG) 0.0		
FEI REWARD VEHICLE SPEED INCREASE (MPH) 0 mph		
FEI DISTANCE CALCULATION INTERVAL (Miles) 00		
GOVERNOR TYPE Min-Max Governor		
ENGINE HIGH IDLE SPEED IN UPPER GEARS 2100		
ENGINE LOW IDLE SET SPEED (RPM) 650 rpm		
DRIVER LOW IDLE ADJUST FEATURE ACTIVATION Omit		
SMART IDLE FEATURE ACTIVATION Omit		
SMART IDLE ELEVATED IDLE RPM TIME (MINS) 10		
IDLE COOLDOWN FEATURE ACTIVATION Omit		
IDLE SHUTDOWN FEATURE ACTIVATION Omit		
IDLE SHUTDOWN TIME (MINS) 10		
IDLE SHUTDOWN WARNING TIME (SECS) 30		
IDLE SHUTDOWN WARM-UP TEMPERATURE (DEG F) 100		
IDLE SHUTDOWN WARM-UP TIMER (MINS) 5		
IDLE S/D OVERRIDE W/EHT Omit		
IDLE S/D OVERRIDE W/P TO Furnish		
IDLE S/D OVERRIDE W/ENGINE LOAD Furnish		
MAINTENANCE MONITOR FEATURE ACTIVATION Furnish		
MAINTENANCE MONITOR OEM DEFAULT INTERVALS MP Vocational		
MAINTENANCE DUE WARNING PERCENT 90		

Description	Front Wt	Rear Wt
PTO 1 MAX ENGINE SET SPEED (RPM) 2100 rpm		
PTO 1 MIN ENGINE SET SPEED (RPM) 600 rpm		
PTO 1 VEHICLE SPEED RANGE LIMIT (MPH) 10 mph		
PTO 1 RAMP RATE (RPM/Sec) 250		
PTO 1 SINGLE SPEED CONTROL ACTIVATION Furnish		
PTO 1 SINGLE SPEED CONTROL SET SPEED (RPM) 1000 rpm		
PTO 1 SINGLE SPEED CONTROL AUTOSET Omit		
PTO 1 JUMP-TO-MIN SET SPEED Omit		
PTO 1 VEHICLE LIMITING SPEED (MPH) 60 mph		
PTO 2 MAX ENGINE SET SPEED (RPM) 1100 rpm		
PTO 2 MIN ENGINE SET SPEED (RPM) 700 rpm		
PTO 2 VEHICLE SPEED RANGE LIMIT (MPH) 10 mph		
PTO 2 RAMP RATE (RPM/Sec) 100		
PTO 2 SINGLE SPEED CONTROL ACTIVATION Furnish		
PTO 2 SINGLE SPEED CONTROL SET SPEED (RPM) 1100 rpm		
PTO 2 SINGLE SPEED CONTROL AUTOSET Furnish		
PTO 2 JUMP-TO-MIN SET SPEED Furnish		
PTO 2 VEHICLE LIMITING SPEED (MPH) 5 mph		
SPEED SENSOR TAMPER DETECTION SYSTEM ACTIVATION Furnish		
SPEED SENSOR TAMPER DETECTION TORQUE LIMIT (%) 50		
TRANSMISSION SETTINGS, TRANSMISSION SETTINGS FOR USE W/O EATON AUTO/ULTRASHIFT		
EATON AUTOSHIFT/ULTRASHIFT SHIFT MODE W/O Eaton Auto/Ultrashift Mode		
CUSTOMER VEHICLE LIMITING SPEED (MPH) 65 mph		
LGVLS FEATURE ACTIVATION Omit		
LOWER GEAR VEHICLE LIMITING SPEED (MPH) 00 mph		
DEALER INFORMATION		
ENGINE WARRANTY, 2YR/250,000 MILES ENGINE WARRANTY		
MANUALS, PEDIGREED PROTECTION PLAN TECH. SERVICE MANUAL PROVIDED		
PILOT INSPECTION, WITHOUT PILOT INSPECTION	0	0
ALLISON EDGE TRANSMISSION PROMOTION		
1. DELIVERY: PRICE INCLUDES DELIVERY OF CHASSIS TO ASPEN AERIAL CO. PRICE INCLUDES TRANSPORTATION OF COMPLETED UNIT FROM ASPEN AERIAL CO; TO STATE OF W.VA.-BUCKHANNON, W.VA.		
2. MANUALS: PRICE INCLUDES ALL SERVICE,PARTS,SHOP, OPERATIONAL MANUALS OUTLINED WITHIN BID SPEC. C.D. FORM AND NOTEBOOK FORM WHERE AVAILABLE.		
3.TRAINING: TRAINING SESSIONS SHALL BE PROVIDED PER SPEC. OUTLINE.		
4. DEALER PRE-DELIVERY: PRIOR TO DELIVERY TO THE STA TE, DEALER SHALL : COMPLETE ALL REQUIRED MACK STD. CHECK IN AND PRE-DELIVERY SERVICE. UPGRADE ANTI-FREE ZE TO -40 DEGREES (F).PROVIDE FIRST AID KIT. INSTALL MACK FLOOR MATS.PROVIDE D.O.T./W.VA. INSPECTION STIC KERS. FINAL CLEAN,FUEL, AND DELIVERY.		
5. ASPEN AERIAL, MODEL A-62		
6. EXCEPTIONS/CLARIFICATIONS: SEE EXCEPTION SECTION.		
7. OPTIONAL PRICING SECTION PROVIDED.		

Description	Front Wt	Rear Wt
DELIVERY: DELIVERY ESTIMATED APPROX. 280 DAYS FROM AWARD OF CONTRACT, BASED ON CURRENT MACK PRODUCTION LEVELS.		
9. MACK 2 YEAR WARRANTY- ADDITIONAL 2 YR. WARRANTY OUTLINED UNDER "WARRANTY SECTION OF QUOTE. PLAN B VEHICLE BULLDOG PROTECTION PLAN. SAME "PLAN B" AS QUOTED TO STATE PREVIOUSLY.		
10. BIDDER PREFERENCE: DEALER REQUEST FOR BIDDER IN STATE PREFERENCE @ 5%. FORM SIGNED/DATED.		
STANDARD SHIPPING INSTRUCTIONS		
MARKETING PROMOTION, ALLISON EDGE TRANS. PROMOTION	0	0
PERFORMANCE/GRAPHICS/TECH DATA		
AMBIENT TEMPERATURE, 77F (25.0C)		
BACK OF CAB INTERFERENCES, 12.0" (305mm) FROM BACK OF CAB		
OVERWIDTH STATEMENT, OVERALL WIDTH EXCEEDS 96"		
TOTAL(s):		21512#



STATE OF WEST VIRGINIA
 2019 WASHINGTON STREET EAST
 CHARLESTON,, WV 25305-0130

March 02, 2010
 11C 1.0
 AEQK023911C

PERFORMANCE DATA

Engine..... MACK MP7-405M
 ..Max HP..... 405
 ..Max Torque..... 1480
 Transmission..... 4500 RDS
 Rear Axle..... S462
 ..Ratio..... 5.66
 Rear Tire Size..... 11R22.5
 Revolutions per mile.... 504
 GVW Rating..... 66,000#
 GCW Rating..... #
 Road Surface..... MACADAM/ASPHALT
 Altitude..... 1000 ft
 Frontal Height..... 13.0 ft
 Frontal Width..... 96.0 in
 Required Grade..... 3%
 Measurement..... English

UPPER GEAR DATA

Gear	Ratio	% Grade	MPH	RPM
4	1.00	7.3%	25.2	1200
4	1.00	3.2%	44.2	2100
5	0.76	5.2%	33.2	1200
5	0.76	1.6%	58.1	2100
6	0.67	4.3%	37.7	1200
6	0.67	0.9%	65.9	2100

Level Road 0.0 76.2 2427
 Cruise Control 1.0% 65.0 2071

Starting Grade @ 1st Gear: 18.8%
 @ 2nd Gear: 8.3%

Minimum 1.5% grade recommended
 in top gear at peak torque RPM.

Calculated @ 5.66 Rear Axle Ratio

Gear #	Transmission Ratios		Gear Reduction	% Split	Gradeability Start	RPM After Shift	Operating	
	Reverse	Forward					Range	MPH
1	5.55	4.70	26.60		20.9%		9.4	
2		2.21	12.51	112.7	9.3%	987	9.4	20.0
3		1.53	8.66	44.4	6.0%	1454	20.0	28.9
4		1.00	5.66	53.0	3.2%	1373	28.9	44.2
5		0.76	4.30	31.6	1.6%	1596	44.2	58.1
6		0.67	3.79	13.4	0.9%	1851	58.1	65.9
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								

PERFORMANCE DATA IS FOR COMPARATIVE ANALYSIS
 AND MAY NOT REPRESENT ACTUAL PERFORMANCE.



Prepared For:
STATE OF WEST VIRGINIA
2019 WASHINGTON STREET EAST
CHARLESTON,, WV 25305-0130

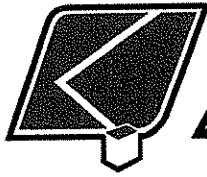
Presented By:
W.VA.-OHIO MOTOR SALES, INC.
142 RIVER ROAD
WHEELING,, W.VA. 26003
304-232-7515

March 02, 2010
11C 1.0
Ref #: AEQK023911C

GVW RATING - 66,000#

+ PUSHER AXLE

Max Front GAWR	20,000#	Max Rear GAWR	46,000#
Front Axle	20,000#	Rear Axle	46,000#
Front Springs	20,000#	Rear Suspension	46,000#
Front Tires	22,800#	Rear Tires	48,040#
Front Wheels/Rims	22,800#	Rear Wheels/Rims	62,400#



ASPEN AERIALS

Aspen Aerials, Inc. • 4303 West 1st Street • P.O. Box 16958 • Duluth, Minnesota • 55816-0958 • USA
Phone: 218-624-1111 • Fax: 218-624-1714 • E-Mail address: jstubenvoll@aspnaerials.com

February 22, 2010

Mr. Chris Boyd
WV – Ohio Motor Sales, Inc.
142 River Road
Wheeling, WV 26003-008

STATE OF WEST VIRGINIA
R.F.Q. 7010EC04
UNDERBRIDGE INSPECTION UNIT

Aspen Aerials, Inc. agrees to meet the items outlined in R.F.Q. NO. 7010EC04 for an UNDERBRIDGE INSPECTION UNIT. No exceptions.

Provided by Aspen Aerials:

- Model Aspen A-62
- Installation on your furnished chassis, painting and final testing
- Training by a factory technician at West Virginia site
- Three sets of manuals (CD format) for the Aspen A-62
- 2 year warranty
- All items noted on attached specification sheet.

Items not included in our price:

- Chassis and associated options
- Chassis Manuals
- Delivery of truck to Aspen Aerials facility
- Delivery of truck from Aspen Aerials to truck dealer or customer (note: truck will require weight permits.)

Delivery: 280 days A.R.O.
Price, ex-factory \$512,500.00
Terms: Purchase order required to consider order firm.
Payment due prior to shipment.

By:

John W. Stubenvoll, President

ASPEN A-62

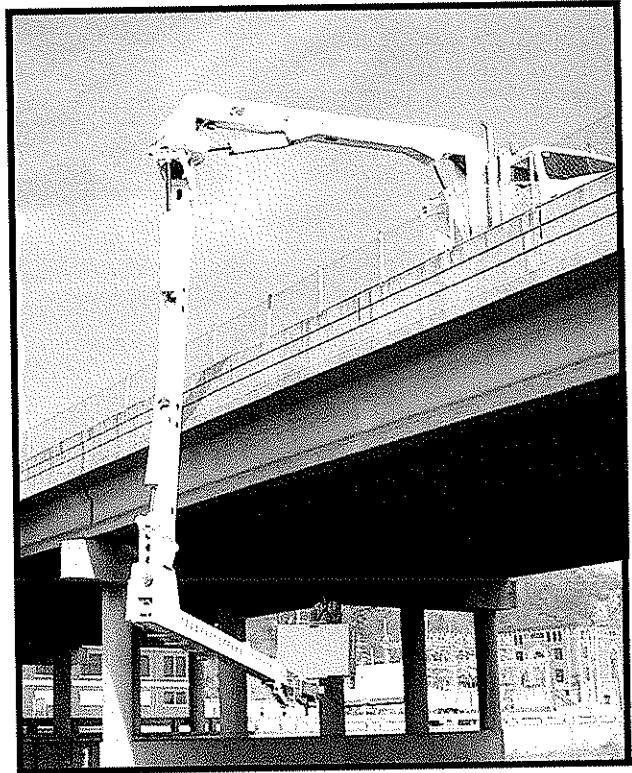
Bridge Inspection Unit

New Technologies Lead the Industry

Design.....Through extensive research utilizing customer input, FEA engineering and repetitive motion testing, the Aspen A-62 was designed from the ground up resulting in greater versatility, simplicity and reliability under all types of conditions. This model has been extended to access areas over, around and under some of your widest bridges to provide you with the pinnacle of "no-compromise" performance and efficiency.

Maneuverability.....Two rotating turntables plus multiple articulating and telescoping booms allow the 40"x 60" rotating platform to deploy off of either side of the truck to access all of your structures. The Aspen A-62 is truly in a league of its own.

Stabilization.....Outriggers are not required and all counterweights stay within the width of the truck body. The redesigned sliding counterweight is installed under the truck bed and operates to either side while the Aspen A-62 is deployed to the opposite side. In the transport mode, the counterweight stays in the center of the truck for improved road handling. A torsion-box subframe and hydraulic axle locks unitize the chassis and truck axles, allowing the vehicle to travel while the unit is fully deployed.

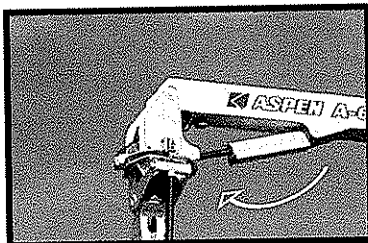


Reliable

Innovative

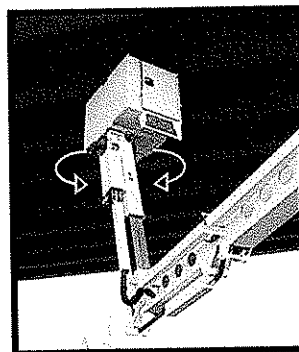
Durable

Adjustable Turntable



Turntable no. 2 comes equipped with an automatic leveling system, providing smooth platform movement. In addition, the operator can make manual adjustments of +/- 5 degrees to compensate for the slope of the bridge. With the elimination of the leveling arms, the Aspen A-62 has more vertical clearance to get over high fences.

Telescoping & Rotating Platform



- 180 degree rotating platform
- Telescoping 4th boom
- Over 13' vertical reach

Advanced Control System

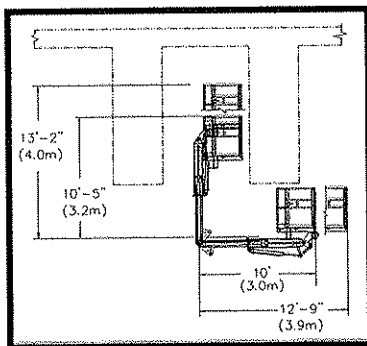


As the most advanced microprocessor control system available, the "Plus 1" Graphical Terminal Interface includes a color display depicting unit operation and individual function performance while monitoring the unit's parameters, hydraulics and enabling simple troubleshooting. Wireless controls are included at both operator stations.

Platform Features

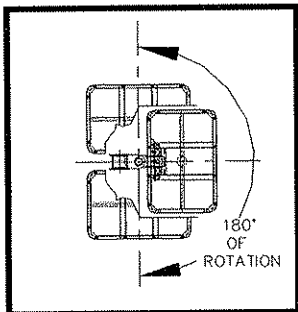
Telescoping 4th boom

The Aspen A-62 has the capability of providing inspectors with over 13' (4m) of vertical reach. This fully hydraulic feature will enable you to get up and behind your deepest girders for a close-up inspection.



Rotating Platform

The added flexibility of a 180 degree rotating platform makes maneuvering into working positions easy, increasing productivity and efficiency.

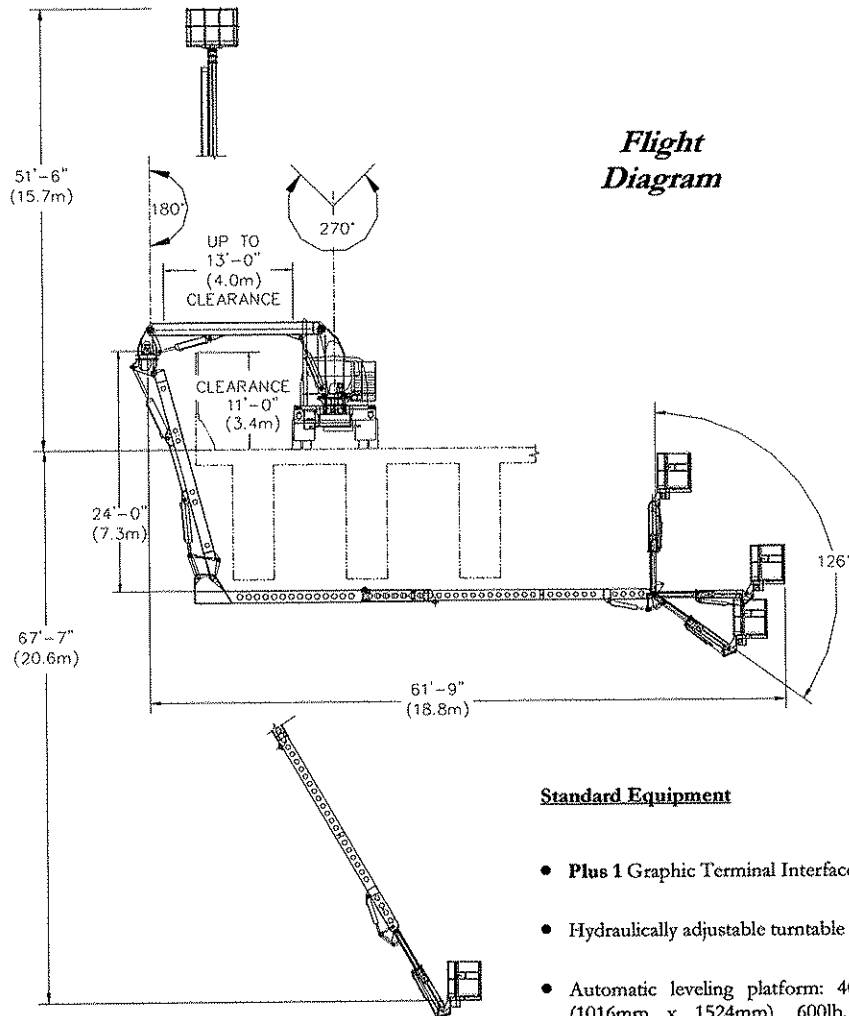


Aspen Aerials, Inc.
4303 West 1st Street
Duluth, MN 55807

Phone: 218-624-1111
Toll Free: 800-888-2773
Fax: 218-624-1714
Web site: www.aspenaerials.com



Specifications



Standard Equipment

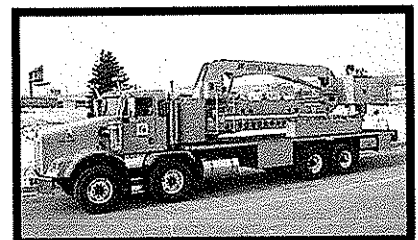
- Plus 1 Graphic Terminal Interface
- Hydraulically adjustable turntable
- Automatic leveling platform: 40" x 60" (1016mm x 1524mm), 600lb. (272kg.) capacity w/access gate
- 2 sets of controls: one set in the platform and one set at the pedestal
- 4 articulating booms (3rd & 4th booms telescope); 2 rotating turrets, rotating platform
- Stability interlocks with monitoring system
- Two power systems: power take-off from the truck's transmission and a back-up diesel power unit
- 12-volt intercom system between platform,

Horizontal Underbridge Reach	61'-9" / 18.8m
Vertical Reach Down	67'-7" / 20.6m
Vertical Reach Up	51'-6" / 15.7m
Boom no. 1 movement	+30 to -35 degrees
Boom no. 2 movement	+ 0 to -105 degrees
Boom no. 3 movement	+90 to -60 degrees
Boom no. 4 movement	+90 to -36 degrees
Space Required on Bridge	102" / 2.5m
Basket Capacity	600 lbs. / 272 kg.
Basket Size	40" x 60" x 42" 1010mm x 1520mm
Overall Length	40' / 12.2m *
Overall Height	13'-3" / 4.0m *

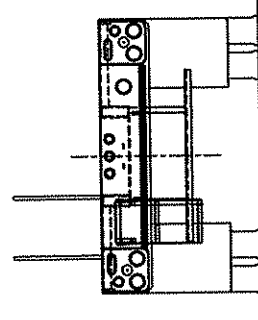
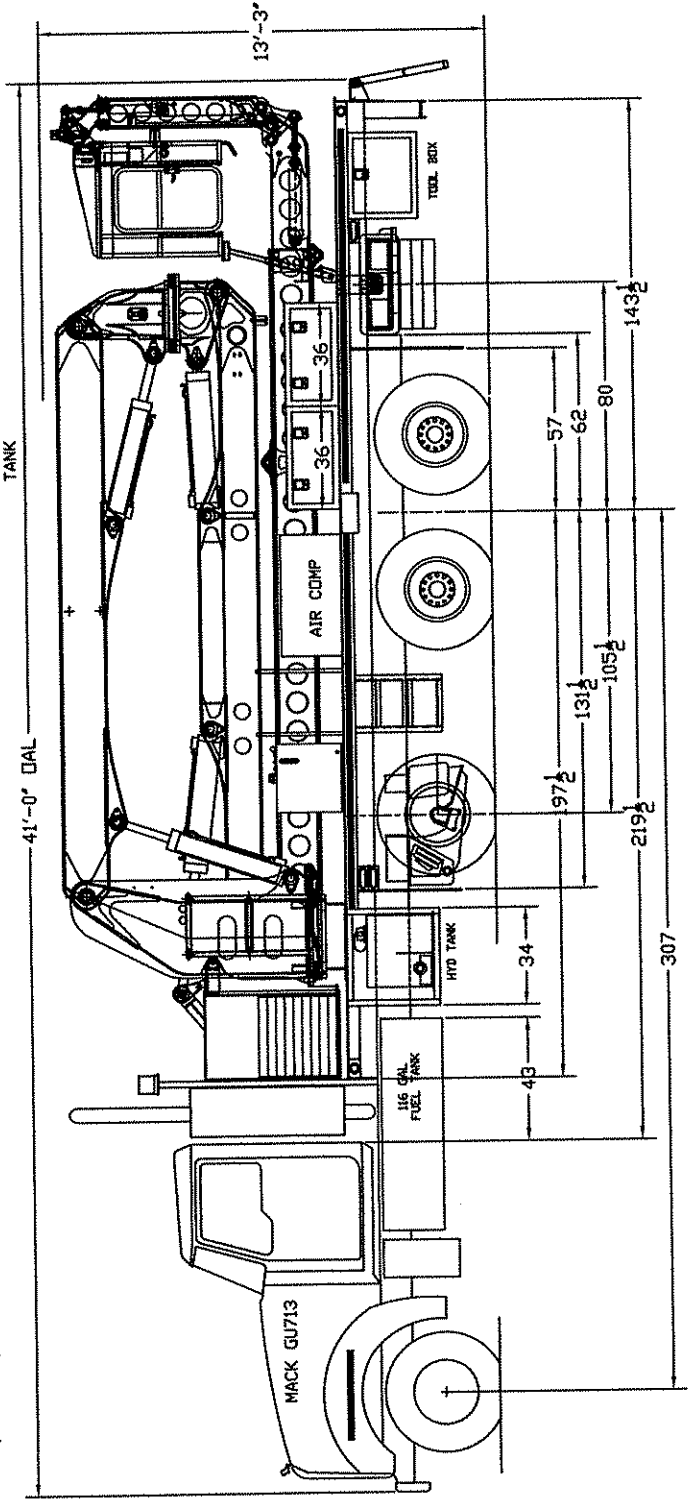
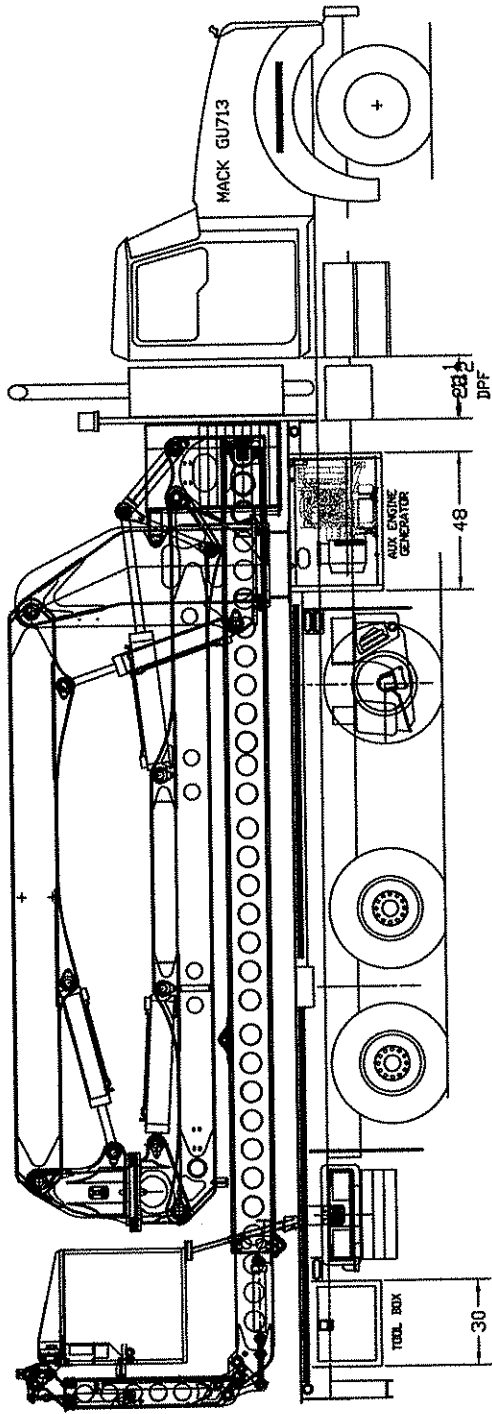
* May vary depending on chassis

Available Options:

- Air Compressor and air line in platform
- Generator with electrical outlet in platform
- Platform Heaters & Floodlights
- Remote Controls



Various chassis configurations available



DO NOT SCALE THIS DRAWING
 ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED
 DIMENSIONS TO CENTER UNLESS OTHERWISE SPECIFIED
 DIMENSIONS TO FACE UNLESS OTHERWISE SPECIFIED
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ASPHEN AERIALS Inc.
 ASPHEN A62
 MACK CHASSIS
 DATE: 10-25-08
 DRAWN BY: CLARK
 CHECKED BY: [blank]
 APPROVED BY: [blank]

DATE: 10-25-08
 DRAWN BY: CLARK
 CHECKED BY: [blank]
 APPROVED BY: [blank]
 PART: [blank]
 REV: [blank]
 QTY: [blank]
 UNIT: [blank]
 BY: [blank]
 DATE: [blank]
 CHECKED BY: [blank]
 APPROVED BY: [blank]

HEAVY DUTY WARRANTY CERTIFICATE



STD. WARRANTY SCHEDULE * SEE EXTENDED PLAN B FOR 2 YRS - NEXT 4 PAGES

Mack Trucks, Inc., warrants certain individual components of the new Mack truck to be free from defects in material and workmanship under normal use and service up to the periods as specified, provided all Mack Trucks, Inc. maintenance and inspection requirements found in the Operator's Manuals and service manual/instructions are followed. All warranty periods are calculated from date in service. All coverage is 100% for parts and labor excepts as noted.

LIMITATIONS AND EXCLUSIONS TO THIS WARRANTY APPEAR ON THE REVERSE SIDE OF THIS CERTIFICATE. THESE LIMITATIONS AND EXCLUSIONS ARE IMPORTANT AND MUST BE READ AND UNDERSTOOD.

This warranty applies to Model Year 2011 models manufactured by Mack Trucks, Inc. with EPA '10 Engine Emissions operated in the United States and Canada. Specific coverage is based on the application and weight class as described in the following chart:

CHASSIS BUILT WITH EPA '10 EMISSION ENGINES VEHICLE APPLICATION: HEAVY DUTY (C)		Hours	Months	Miles	Kilometers
SCHEDULE 1. BASIC VEHICLE *Roadside Assistance and Towing on warrantable failures are covered for 3 mnth or 5,000 miles/8,050 km only Brake Drums are covered for 12 months or 25,000 miles/40 000 kilometers only.		---	12	100,000	161 000
SCHEDULE 2. MACK DIESEL ENGINE Standard Warranty: Standard Warranty Includes: Roadside Assistance and Towing on warrantable engine failures.		6,250	24	250,000	402 500
Major Components:	Block Stiffener (Ladder Frame) Camshaft Forging Camshaft Caps & Bolts Connecting Rod & Cap Forging Coolant Pump Housing Crankshaft Forging Cylinder Block Casting Cylinder Head Casting & Bolts	12,500	60	500,000	805 000
Engine Gears (Rear Mounted) Exhaust Manifold Casting Flywheel Housing Intake Manifold Casting Main Bearing Bolts & Caps Oil Pump Drive & Driven Gears Thermostat Housing Timing Gear Cover & Mounting Plate					
Coverage also applies to consumables such as lubricant, antifreeze, filter elements, belts, hoses and similar maintenance items not reusable and replaced directly as a result of a warrantable engine, carrier, or transmission failure. Components not manufactured by Mack Trucks, Inc., but used on MACK diesel engine assemblies are excluded from the coverage in Schedule 2. These components are covered by the component manufacturer's warranty in effect at the time of delivery. Consult your local Mack service facility for details.					
SCHEDULE 3. MACK T300 and TM300 TRANSMISSIONS Entended Warranty for Long Haul Highway Service - (over 60,000 miles per year)		---	60	500,000	805 000
SCHEDULE 4. DPF SYSTEM COMPONENTS (OEM WARRANTY) DPF/SCR SYSTEM COMPONENTS (EMISSION WARRANTY) *Roadside Assistance and Towing on warrantable DPF/SCR failures		6,250 3,250 6,250	24 60 24	250,000 100,000 250,000	402 500 161 000 402 500
SCHEDULE 5. MACK CARRIER / AXLE HOUSING / FRONT AXLE BEAM Rear Carriers and Housings Front I-Beam Rear Carrier Seals, Gaskets S65 Bogie and Carrier, Regardless of Carrier Model		--- --- --- ---	36 36 12 12	300,000 300,000 100,000 100,000	483 000 483 000 161 000 161 000
SCHEDULE 6. TRUNNION BRACKET AND SPINDLE, SUSPENSION TRUNNION (except Bushings).		---	36	300,000	483 000
SCHEDULE 7. FRAMES: SIDE RAILS AND CROSSMEMBERS		---	36	300,000	483 000
SCHEDULE 8. CAB STRUCTURE		---	24	200,000	322 000
SCHEDULE 9. CAB CORROSION Coverage applies to perforation (an actual hole in the cab panel) due to corrosion. Coverage does not apply to corrosion caused by damage to paint finish.		---	60	500,000	805 000
SCHEDULE 10. Components not manufactured by Mack Trucks, Inc. may have warranty coverage different from the above as they are covered by the manufacturer's warranty. Consult your local MACK sales facility for details.					

** Roadside Assistance and Towing coverage does not apply to vendor engines, transmissions and axles.

THIS 2^{YR} EXTENDED WARRANTY INCLUDED
IN BID PRICE

Ch. Boyle
03-03-2010



Basic Vehicle Bulldog Protection Plan: Plan B
(CHU, CXU, GU, LEU, MRU, TD with EPA'10 Engines)

Mack Trucks Extended Warranty Plans run concurrently with the MACK standard Warranty, and continues to run after its expiration until the end of the period selected.

The Extended Protection Plan can only be acquired in conjunction with the purchase or lease of a new Mack motor vehicle. The extended Warranty is only authorized for the specific vehicle and purchaser registered at the time of application. The extended Warranty must be purchased at the time of sale or up to 365 days of initial date of delivery to the first user/purchaser, provided the application is approved by Mack Trucks, Inc. while the component(s) for which the applicant is requesting coverage are still within their Standard Warranty period.

WHAT THIS AGREEMENT COVERS:

FRAME and SUSPENSION

Battery Mounting • Hendrickson-Manufactured Suspension Components • MACK Walking Beam • MACK Suspension • Shock Absorber Mounting Brackets • Springs Front, Rear and Helper • Spring Mounting Brackets, Clips and U-Bolts • Stabilizer Bar and Brackets • Tie Rods (excludes bushings) • Torque Rod • Tow Hook

CLUTCH/TRANSMISSION

Air Shift (Piping, Knob and Selector) • Clutch (excluding clutch brake, lining and adjustment and wear out) • Clutch Pedal and Linkage • Gear Shift Lever and Assembly • Speedometer Drive Gear • Transmission Dipstick • Transmission Mounting • Transmission Oil Cooler and External Lines (excludes Allison oil cooler arrangements).

DRIVELINE

Capscrews and Nuts • Center Hanger Bracket and Bearing • Shafts • Yoke Clamp Plates • Yokes.

ENGINE ACCESSORIES

Air Cleaner Housing • Air Cleaner Mounting • Air Cleaner Piping • Air Conditioner Compressor • Air Starter • Chassis Mounted Engine Oil Filter Mounting • Coolant Level Sensor • Electronic Accelerator Pedal • Exhaust System Shields • Expansion Tank and Mounting • Fan • Fan Drive • Fan Shroud • Fan Spacer and Attaching Bolts • Fuel Filter Restriction Indicator and Sensor • Fuel Piping (Fuel Tank to Primary Fuel Filter) • Fuel Warmer and Separator • Oil Filler (Tube, Cap, Dipstick Guide and Dipstick) • Radiator Cap • Radiator Mounting • Shutter (Cylinder and Control Valves) • Tank (Fuel) • Tank Mounting (Fuel) • Valves (Shutoff and Switching) • Voltage Regulator.

STEERING

Cross Steering Tube • Drag Link • Pitman Arms • Reservoir • Steering Arms • Steering Gear (Sheppard and TRW/Ross) • Steering Axle I Beam • Steering Column • Steering Gear Mounting Bracket • Steering Knuckle • Steering Post • Steering Pump • Steering Shaft • Steering Universal Joint • Steering Wheel.

AIR and BRAKES / WHEEL ENDS

Air Dryer • Air Governor Valve • Air Reservoir • Axle Shafts • Brake Valves • Brake Chamber • Brake Pedal • Brake Spider • Brake Wheel Cylinder • Cam Roller • Cowl Vent • Disc Brake Caliper • Hub • Hub Caps • Hubodometer • Low Air Pressure Indicator and Sending Unit • Moisture Ejector • Return Spring • Slack Adjuster • Wheel Bearings • Wheels (except Alcoa).

CAB

Air Conditioning and Heating (Motor, Ducts, Controls, Core, Fan, Valves, Dryer, Condenser, Evaporator, Piping, and Mounting Brackets) • Bumper and Bumper Brackets • Cab Hold Down Lock • Cab Lift Jack • Cab Steps • Chassis Mounted Charge Air Cooler and Charged Air Cooler Piping • Door Glass • Door Hinges, Handles and Locks • Door Post Lock and Hinge • Grab Handles • Hood Assemblies (Sheet Metal and Fiberglass) • Hood Mounting (Hinges and Latch) • Hood Ornament and Base • Interior Trim • Keyless Entry Receiver Module • Keyless Entry Transmitter • MACK Factory-Installed Air Fairings • MACK Factory-Installed Sleeper Box • Mirrors • Radiator (Core and Upper and Lower Tank) • Radiator Grille • Safety Belt • Seats • Sheet Metal Fenders and Mounting Bracket • Sun Visor • Window Regulator • Windshield • Windshield Seal.

ELECTRICAL

ABS Electronic Module • ABS Relay Valves • ABS Modulators • ABS Wiring Harness • ABS Sensors • Alternator and Alternator Mounting • ATC Valve • Back-Up Lights (except bulbs) • Battery Cables • Cab Roof Lights (except bulbs) • Cab and Sleeper Box Lights (except bulbs) • Circuit Breakers • Co-Pilot Alarm • Co-Pilot Assembly • Co-Pilot Display Screen • Co-Pilot Housing • Co-Pilot Push Buttons • Dome Light (except bulb) • Fuse Box (except fuses) • Gauges • Gauge Sending Units • Horn (Electric and Air) • Instrument Panel • MPH Sensor • Pyrometer • Relays • Speedometer Head • Switches • Tachometer Head • Tail Lamps (except bulbs) • Turn Signals (except bulbs) • V.I.P.[®] Display • Windshield Wiper (Motor, Arms, Linkage and Valve) • Windshield Washer (Reservoir, Piping and Nozzles) • Wire Harness (excluding EGR Wire Harness).

SERVICES AND PARTS NOT COVERED

1. Items not listed above under "What This Agreement Covers".
2. Abuse, accident or negligence.
3. Adjustment of brakes, clutches and controls.
4. Brake and clutch lining replacement for normal wear.
5. Specification changes or error in specifications.
6. Damage in transit.
7. Paint.
8. Duplication of repairs because of faulty diagnosis or workmanship and temporary repairs.
9. Engine tune-up.
10. Downtime and driver-layover expense.
11. Headlight adjustment; sealed beam and bulb replacement.
12. Filter elements and lubricants, except as needed to complete a repair under Warranty
13. Fuel system cleaning.
14. Injection-tip service or replacement for normal use and wear.
15. Major components/parts replaced without prior authorization from the MACK Warranty Department or Service Organization.
16. Overtime and holiday labor without prior authorization.
17. Normal wear of covered parts.
18. Performance complaints are not covered (for example, low power and poor fuel economy) unless caused by the failure of a qualified part.
19. Wire harnesses are covered for a defect in the harness. Cleaning corroded external connections, in the extended warranty period, is not covered.

20. Telephone, FAX and other communication expense.
21. Tires and tubes, disc brake pads & rotors, and brake drums.
20. Towing and/or road call (see *Standard Warranty*)
21. Transportation expense for obtaining replacement part.
22. Unauthorized modifications and/or failures resulting from unauthorized alteration or non-MACK parts.
23. Wheel alignment, wheel and tire balancing and tire rotation.
24. Windshield wiper blades.
25. Rattles, squeaks, vibrations and unusual noises can develop during early use of the vehicle. Up to 90 days after delivery, the necessary adjustments or corrections will be covered by warranty. Such adjustment or corrections after this period are usually the result of use; therefore, are not covered by warranty.
26. Misapplication—failure of any kind resulting from using the vehicle in a type of service for which the vehicle was not designed or built.
27. Transmissions not manufactured by MACK are covered under the transmission manufacturers warranty.
28. Rear axles and rear axle gear carriers not manufactured by MACK are covered under the rear axle manufacturers warranty.
29. Turbochargers are not covered under this warranty.
30. Batteries, engine belts, brake & clutch lining, wheel seals, consumables, radios, refrigerators, voltage converters, Temp-A-Start, Qualcom, and televisions are not covered under this warranty.
31. Engines, transmissions and rear axle gear carriers are not covered under this warranty, but may have coverage under other Warranties.
32. **MAINTENANCE AND PARTS CONSUMED** (“Consumables”): Normal maintenance services including, but not limited to, replacement of oil filters, adjustments of the engine injection pump / transmission / brakes / linkages and all other adjustments are not covered. Parts which are normally consumed or worn out during the vehicle’s usual service life and customarily replaced during usual maintenance service are not covered or have limited coverage. These parts include, but are not limited to, the following:
NOT COVERED - Brake linings, clutch brake, clutch linings, mud flaps and brackets.
COVERED FOR 30 DAYS - Fluorescent lights or ballast, light bulbs, fuses, wiper blades and all filters.
COVERED FOR 90 DAYS - Loose fasteners, leaking fittings or hose clamps.
COVERED FOR 12 MONTHS, OR 100,000 MILES (161,000 KM) OR 3,250 OPERATING HOURS, WHICHEVER OCCURS FIRST - Cab suspension on models used in heavy duty applications, batteries, frame paint, sealed light assemblies, exhaust flex pipe, hose clamps, all rubber/nylon bushings or mounts, flexible hoses, all belts, shock absorbers (leakage only), wheel seals, and all grease lubricated points (tie rods ends, king-pins, u-joints, spring pins, etc.)
33. **SUSPENSION PARTS:** Suspension parts, including but not limited to rubber bushings, torque rod bushings, spring pins and bushings, and all greased lubrication points that fail due to improper maintenance, abnormally severe service or abuse are not covered.
34. **GLASS:** Glass breakage and scratches are not covered unless positive physical proof of manufacturing responsibility is established.

Customer Responsibilities:

1. Maintain the warranted vehicle according to the proper maintenance schedule required by the manufacturer.
2. In the event of a failure or claim, MACK may request proof of service showing the date and mileage when required maintenance was performed.
3. Present vehicle to a MACK-authorized repair facility within the time and mile limit of the warranty.
4. Stop operation of the vehicle when damage is noted so as not to cause further damage; continued operation may cause damage which would not be covered under this warranty.
5. If necessary, make your vehicle available for inspection by a representative of MACK.

In the case of defects in material or workmanship, THIS AGREEMENT INCLUDES repair or replacement (at the option of Mack Trucks, Inc.) of the items listed under *WHAT THIS AGREEMENT COVERS*, PROVIDED:

1. The vehicle is presented at any MACK-authorized repair facility.
2. The parts are returned to Mack Trucks, Inc.
3. Upon inspection by Mack Trucks, Inc., the parts are found to be defective.

•

THIS AGREEMENT EXCLUDES items listed under *SERVICES AND PARTS NOT COVERED* and also excludes parts damaged DUE TO:

1. Lack of proper maintenance as defined in the Operator's Manual.
2. Use of the chassis in any manner for which it was not designed.
3. Driver abuse or error.

•

You may have other rights under the terms of the Standard Warranty, the GASEOUS EMISSION CONTROL SYSTEMS WARRANTY, or the NOISE EMISSION CONTROL SYSTEMS WARRANTY.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES AND REPRESENTATIONS OR CONDITIONS, STATUTORY OR OTHERWISE, EXPRESSED OR IMPLIED INCLUDING, BUT NOT LIMITED TO, IMPLIED INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

THESE LIMITATIONS AND EXCLUSIONS ARE IMPORTANT AND MUST BE READ AND UNDERSTOOD

LIMITATIONS - Mack Trucks, Inc.'s obligation is limited to, at its sole option, repair or replacement of parts which are acknowledged by it to be defective. In the case of acknowledged defective assemblies, exchange with factory rebuilt units may occur. The defective parts or assemblies replaced shall become the property of Mack Trucks, Inc.. Warranty repairs performed by the dealer's shop in accordance with the terms of the warranty set forth herein are free of charge. Warranty repairs do not constitute an extension of the original warranty period for the vehicle or any part thereof. Warranty consideration can only be given if the deficiency is brought to the attention of an authorized Mack Truck dealer upon discovery and the vehicle must be made available, in a timely fashion during the coverage period, for repair.

NO PAYMENT OR OTHER COMPENSATION WILL BE MADE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL EXPENSES OR DAMAGES OF ANY KIND.

EXCLUSIONS:

1. REPAIR: Warranty consideration can only be given if the deficiency is brought to the attention of an authorized Mack Truck dealer upon discovery and the truck must be made available, in a timely fashion during the warranty period, for repair. Failures resulting from the user's unreasonable delay in making the truck available, after being notified of a potential product problem, are not covered.
2. REPEAT REPAIRS: The term "repeat repair" only refers to the repair or replacement of the exact same part or component more than once. Repair or replacements of different components within the same system does not constitute a repeated repair.
3. DAMAGES: Damages due to accidents, misuse, negligence, improper operations, alterations, storage or transport, operation at excessive speeds, loading beyond the factory rated load capacity, and improper or insufficient maintenance services are not covered. Damages due to failure to follow Mack Trucks, Inc. service procedures are considered damages due to improper maintenance services.
4. APPLICATION: The responsibility of determining the correct application and/or specification for a vehicle sold to a customer belongs at the selling location. Vehicle application problems, including but not limited to, replacement of incorrect axle or transmission gear ratios, failures of component parts of vehicles being operated in excess of factory rated load capacities, or the use of a vehicle for a purpose of which it was not intended are not covered.
5. ENVIRONMENTAL DAMAGE: Parts made out of cloth, leather, wood, rubber, synthetics, paint or chrome which have been effected by exposure to the elements or chemical influence including, but not limited to road salts/chemicals, industrial fall-out or the use of improper cleaners, polishes, and or waxes are not covered.
6. GLASS: Glass breakage and scratches are not covered unless positive physical proof of manufacturing responsibility is established.
7. SUSPENSION PARTS: Suspension parts, including but not limited to rubber bushings, torque rod bushings, spring pins and bushings, and all greased lubrication points that fail due to improper maintenance, abnormally severe service or abuse are not covered.
8. ALTERATIONS: Any vehicle repaired and/ or altered in any way, so as to adversely effect, in Mack Trucks, Inc.'s sole judgment, its stability or reliability, is not covered.
9. OPTIONAL EQUIPMENT: Any part of the truck that fails, malfunctions or does not perform as a result of improper conversion or installation of special bodies or equipment by other manufacturers or suppliers is not covered.
10. MAINTENANCE AND PARTS CONSUMED ("Consumables"): Normal maintenance services including, but not limited to, replacement of oil filters, adjustments of the engine injection pump / transmission / brakes / linkages, as well as diagnosis, test time and all other adjustments, are not covered. Parts which are normally consumed or worn out during the vehicle's usual service life and customarily replaced during usual maintenance service are not covered or have limited coverage. These parts include, but are not limited to, the following:
 - NOT COVERED - Brake linings, clutch brake, clutch linings, mud flaps and brackets.
 - COVERED FOR 30 DAYS - Fluorescent lights or ballast, light bulbs, fuses, wiper blades and all filters (oil, fuel, air, etc.).
 - COVERED FOR 90 DAYS - Loose fasteners, leaking fittings or hose clamps.
 - COVERED FOR 12 MONTHS, OR 100,000 MILES (161,000 KM) OR 3,250 OPERATING HOURS, WHICHEVER OCCURS FIRST - Cab suspension on models used in heavy duty applications, batteries, frame paint, sealed light assemblies, exhaust flex pipe, hose clamps, all rubber/nylon bushings or mounts, flexible hoses, all belts, shock absorbers (leakage only), wheel seals, and all grease lubricated points (tie rods ends, king-pins, u-joints, spring pins, etc.)
11. ALIGNMENT: Alignment of axle(s) and balancing of tires, including changing of axle camber, caster, toe and thrust angle settings are not covered.
12. NON-GENUINE PARTS: Any vehicle which has been repaired by use of parts and accessories, as well as major assemblies and exchange units, which are substandard and which cause a vehicle component or system to fail are not covered.
13. TIRES: Tires are covered by separate warranties given by their respective manufacturers.
14. CAB STRUCTURE AND CORROSION: Cab structural defects or cab corrosion that occurs in areas of the cab that have been previously damaged, repaired, altered or modified are not covered. Cab corrosion where metal is perforated from the outside to the inside is not covered.
15. ENGINES AND AUTOMATIC TRANSMISSIONS: The engines and Allison automatic transmissions used in Mack trucks are warranted by their respective manufacturers. Refer to the engine and transmission manufacturers' warranty statements.
16. ODOMETER READING: Any vehicle in which the odometer has been disconnected or the mileage reading has been altered and the actual mileage cannot be readily determined is not covered.
17. ACCESS TO INFORMATION: The user must allow Mack Trucks, Inc. full access to all data stored in all Electronic Control Modules; failure to do so may result in the loss of warranty coverage.
18. PREMIUM LABOR: Labor for overtime and/or shift differential is not covered.
19. EXCESSIVE LABOR: Excessive labor for a warrantable repair due to installation of equipment or body by the customer is not covered.
20. MISC. EXPENSE: Road service, towing, meals, lodging, telephone calls, travel time, loss of cargo, downtime, loss of revenue, rental vehicles, or driver's wages and other miscellaneous expenses are not covered. Shop supplies, lube oil, lubricants, sealers, anti-freeze, filter elements and labor performed by a non-approved location are not covered.
21. ADDITIONAL COMPONENTS: Components or parts that are not installed by Mack Trucks, Inc. are not covered. Mack Trucks, Inc. factory manufacturing records will determine Mack Trucks, Inc. installations.
22. APPLICATION CHANGE OR CHANGE OF OWNERSHIP: If at any time during the term of the original warranty there is a change in the application of the vehicle or a change in ownership, the owner must notify Mack Trucks, Inc., Post Office Box 26115, Greensboro, NC 27402-6115 in writing and within 30 days of date of the change. Failure to provide such timely notice may result in the warranty becoming null and void. If the change in ownership is accepted by Mack Trucks, Inc., and/or the change in application does not affect coverage, Mack Trucks, Inc. will transfer any remaining applicable portion of the warranty to the new owner or, for the new application.

Mack Trucks, Inc.
Post Office Box 26115
Greensboro, North Carolina 27402-6115



Prepared For:
STATE OF WEST VIRGINIA
2019 WASHINGTON STREET EAST
CHARLESTON, WV 25305-0130

Presented By:
W.VA.-OHIO MOTOR SALES, INC.
142 RIVER ROAD
WHEELING, W.VA. 26003
304-232-7515

March 02, 2010
11C 1.0
Ref #: AEQK023911C

BULLDOG PROTECTION AGREEMENT FORM

I have been informed of the availability of Mack Bulldog Protection Extended Coverage Plan(s) applicable to the vehicle(s) I am purchasing.

Chassis number(s) include: _____

I understand the terms of the extended purchased coverage as explained, and at this time:

_____ I accept the warranty as stated.

--OR--

_____ I decline the extended purchased coverage with the option to accept it within 12 months after delivery of the vehicle(s).

Current pricing is 'locked in' for 90 days after delivery and must be purchased from Mack Trucks, Inc. within that same 90 days. After 90 days, the pricing is subject to change.

Customer's Signature

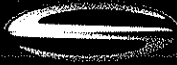
Informed by:

Chris Boyd 03-03-2010

Sales Representative



DRIVING TRANSMISSION TECHNOLOGY™



BLUE BIRD

2009
TRANSMISSION COVERAGE
PRICING GUIDE II

RUGGED DUTY SERIES

Model	Vocation	Total Coverage* (Included in acquisition price of transmission)		Extended Transmission Coverage Pricing** (Available for purchase)
		Years of Coverage (Standard Warranty + Partnership Coverage)		Two Years
3500 RDSR	P&D and Beverage	2 + 1		\$475
	Refuse Packer	2 + 1		\$875
	Utility and Other	2 + 1		\$475
	Dump Trucks/Mixers	2 + 1		\$475
	Agriculture***	3 + 0		\$475
4000 RDS	P&D and Beverage	2 + 1		\$425
	Refuse Packer	2 + 1		\$825
	Utility and Other	2 + 1		\$425
	Dump Trucks/Mixers	2 + 1		\$425
	Agriculture***	3 + 0		\$425
4000 RDSR	P&D and Beverage	2 + 1		\$475
	Refuse Packer	2 + 1		\$875
	Utility and Other	2 + 1		\$475
	Dump Trucks/Mixers	2 + 1		\$475
	Agriculture***	3 + 0		\$475
4500 RDS	P&D and Beverage	2 + 1		\$625
	Refuse Packer	2 + 1		\$825
	Utility and Other	2 + 1		\$625
	Dump Trucks/Mixers	2 + 1		\$325
	Agriculture***	3 + 0		\$325
4500 RDSR	P&D and Beverage	2 + 1		\$625
	Refuse Packer	2 + 1		\$825
	Utility and Other	2 + 1		\$625
	Dump Trucks/Mixers	2 + 1		\$525
	Agriculture***	3 + 0		\$525
4700 RDS	P&D and Beverage	N/A		N/A
	Refuse Packer	N/A		N/A
	Utility and Other	2 + 1		\$625
	Dump Trucks/Mixers	2 + 1		\$625
	Agriculture***	3 + 0		\$625
4700 RDSR	P&D and Beverage	N/A		N/A
	Refuse Packer	N/A		N/A
	Utility and Other	2 + 1		\$875
	Dump Trucks/Mixers	2 + 1		\$875
	Agriculture***	3 + 0		\$675

TOTAL 3 YR
"STD"

OPTION/ADD
FOR ADDTL 2 YR
COVERAGE =
TOTAL 5 YR
COVERAGE

SPECIALTY SERIES

Model	Vocation	Standard Warranty	Extended Transmission Coverage* Pricing Effective January 1, 2009	Price
		Years of Coverage	Years of Coverage	
1000 SP	Specialty/Military	2	3	\$230
2100 SP	Specialty/Military	2	3	\$430
2200 SP	Specialty/Military	2	3	\$430
2500 SP	Specialty/Military	2	3	\$430
3000 SP	Specialty/Military	2	3	\$230
3000 SPR	Specialty/Military	2	3	\$280
3200 SP	Specialty/Military	2	3	\$280
3200 SPR	Specialty/Military	2	3	\$330
3500 SP	Specialty/Military	2	3	\$230
3500 SPR	Specialty/Military	2	3	\$280
3700 SP	Specialty/Military	N/A	N/A	N/A
3700 SPR	Specialty/Military	N/A	N/A	N/A
4000 SP	Specialty/Military	2	3	\$230
4000 SPR	Specialty/Military	2	3	\$280
4500 SP	Specialty/Military	2	3	\$280
4500 SPR	Specialty/Military	2	3	\$330
4700 SP	Specialty/Military	2	3	\$280
4700 SPR	Specialty/Military	2	3	\$330
4800 SP	Specialty/Military	2	3	\$380
4800 SPR	Specialty/Military	2	3	\$430

BUS SERIES

Model	Vocation	Total Coverage* (Included in acquisition price of transmission)
		Years of Coverage (Standard Warranty + Partnership Coverage)
B 500R	Intercity/Tour	2 + 3
B 500	Intercity/Tour	2 + 3

For pricing and coverage information on B 300 and B 400 models, refer to the 2009 Transmission Coverage Pricing Guide, SE5554EN.

* Total Coverage: Sum of Standard Warranty and Partnership Coverage. Included in acquisition price of the transmission.

** Extended Transmission Coverage: Available for purchase through authorized Allison Distributors and Dealers to increase coverage to a total of five years.

*** Hour limitations apply to Standard Warranty. No hour limitations apply to Extended Transmission Coverage.



W. VA. - OHIO MOTOR SALES, INC.

142 RIVER ROAD • P.O. BOX 71 • WHEELING, WV 26003-0008

Phone 304-232-7515 • 800-688-7515 • Fax 304-232-6719

“Major Distributor for all Heavy Duty Truck Parts”



March 3, 2010

State of West Virginia
RFQ No. 7010EC04
Under Bridge Inspection Unit

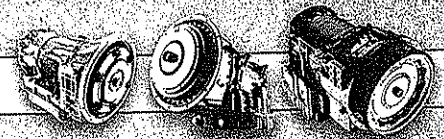
OPTIONAL PRICING

The following options are available. If desired, these options must be added to our quoted bid price.

<u>ALTERNATOR:</u>	Up grade to Leece Neville Brushless 12V/160 amp	Add \$124.00
<u>BATTERIES:</u>	Up grade to three (3) Mack 12V/1000-3000 threaded studs	Add \$103.00
<u>ENGINE BLOCK HEATER:</u>	Add 12V/1500W engine block heater	Add \$ 77.00
<u>FAN DRIVE:</u>	Up grade to Borg Warner Coologic (HDMS) Electronically controlled multi-speed viscous	Add \$250.00
<u>CAB CLEANOUT:</u>	Add in cab pneumatic/airline cleanout	Add \$ 53.00
<u>DASH MOUNTED EXTRA SWITCHED:</u>	one (1) additional switch two (2) additional switches six (6) additional switched	Add \$ 10.00 Add \$ 18.00 Add \$ 57.00
<u>CAB FLOORING:</u>	Upgrade to removable polyurethane inserts. Both driver and rider side	Add \$ 70.00
<u>CAB CLEARANCE/I.D. ROOF LIGHTS:</u>	Upgrade to Grote L.E.D. lamps	Add \$ 76.00
<u>HAND CONTROL REAR BRAKE VALVE:</u>	Add hand control rear brake valve/control	Add \$ 55.00
<u>WORK LIGHTS:</u>	Add right and left side L.E.D. work lights at Cab entrance area	Add \$132.00
<u>REAR TIRE:</u>	Upgrade rear tires to Bridgestone 11R25.5 16ply M711TL traction – tubeless radial – 48,040 lbs. rating	Add \$193.00
<u>PAINT:</u>	Upgrade standard paint to include urethane clear coat	Add \$159.00
<u>ALLISON WARRANTY</u>	Standard Allison warranty is 3yr/Unlimited (includes prognostics) For additional 2 year Allison Coverage (total 0f 5 years)	Add \$625.00

PARTS & SERVICE HOURS – MONDAY - FRIDAY 7:00 A.M. - 9:30 P.M.
PARTS & SALES – SATURDAY 8:00 A.M. - NOON

THE BEST JUST KEEPS IMPROVING



MY09 ALLISON AUTOMATICS

HELP AVOID UNNECESSARY MAINTENANCE

As the world leader in medium- and heavy-duty commercial transmissions, Allison Transmission continues our ongoing product improvement initiative with the introduction of new prognostic features for MY09 Allison 1000/2000/3000/4000 Series models available now.

Calibrated to the particular operating requirements of the vehicle, these prognostics monitor various operating parameters to determine and alert when a specific maintenance function is required. These features take the guesswork and hassle out of scheduling routine vehicle maintenance. Allison Approved TES 295 transmission fluid is required.

OIL LIFE MONITOR

Based on the vehicle's duty cycle, this feature determines fluid life and alerts when a fluid change is required. And, helps you get maximum oil life while providing the maximum protection for the transmission.

FILTER LIFE MONITOR


This provides an alert when the transmission's fluid filter(s) needs to be replaced. It may help extend filter change intervals and provide maximum protection for the transmission.

TRANSMISSION HEALTH MONITOR

This helps avoid costly repairs and downtime by taking the guesswork and hassles out of scheduling routine maintenance. It determines and alerts you when clutch maintenance is required.

HOW THEY WORK

While these prognostic features use sophisticated electronic monitoring technology, they are very user friendly.

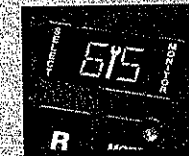
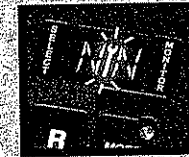
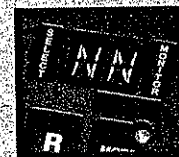
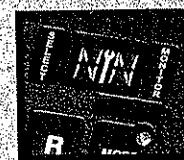
 When service is due for Allison 3000/4000 Series models, a wrench icon on the shift selector's digital display alerts the operator. And, similar to checking oil level and diagnostics, you can check the status of all three prognostics simply by toggling through the shift selector's display.

1000/2000 Series models require a separate transmission service light to alert the operator. Check with your OEM for specifics.

When fluid is due for a change: The wrench icon (3000/4000 Series) or service light (1000/2000 Series) is illuminated and stays on for two minutes after the Drive range is selected.

When the filter(s) is due for a change: The wrench icon or service light flashes on and off for two minutes after the Drive range is selected.

When clutch maintenance is due: The wrench icon or service light comes on and stays on in all ranges.



FIND OUT MORE | For additional information about MY09 Allison Automatics with prognostic features, contact your Allison Transmission representative.

DRIVING TRANSMISSION TECHNOLOGY™

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5A5657EN (2008/08)



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