



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

VENDOR

SHIP TO

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

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

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

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	EA		975-66		
<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 INCLUD</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

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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).



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<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>						

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<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 FUTHER ORDER.</p>						

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..... SIGNATURE COMPANY 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						

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BID OPENING DATE: ----- BID OPENING TIME: ----- PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: ----- CONTACT PERSON (PLEASE PRINT CLEARLY): ----- ***** THIS IS THE END OF RFQ 7010EC04 ***** TOTAL: _____						

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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 modules of 32 cubic inches minimum with 110,000 psi steel and an RBM of 3,520,000 inch pounds minimum. Section modules, 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 set forth 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 met 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.: _____

Bidder's Name: _____

Address: _____

Telephone Number: _____

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

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

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

X4.2 DELIVERY:

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

X4.2.2 Delivery date of balance of completed units: _____ 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:

_____per unit

X6.0 SPECIFICATIONS - GENERAL

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

Is descriptive literature, fully describing proposed unit attached to your bid? _____ YES _____ NO

If not, why? _____

X6.2 Will the required number of service manuals, and complete parts list be delivered to the Equipment Division at Buckhannon upon completion of delivery of total units?

_____ YES _____ NO

Will the required Equipment Preventive Maintenance Form (Section X6.2 of Bidders Evaluation Report) be provided upon inspection of the pilot unit? _____ YES _____ NO

X6.2
2-10-00

EQUIPMENT PREVENTATIVE MAINTENANCE QUESTIONNAIRE

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

DESCRIPTION: _____ MAKE: _____

MODEL: _____ YEAR: _____ PURCHASE AMOUNT: _____

ENGINE: MAKE: _____ MODEL: _____ FUEL TYPE: _____

HORSEPOWER: _____ CYLINDER: _____ ENGINE SERIAL: _____

COOLING SYSTEM CAPACITY: _____

BELTS: DESCRIPTION: _____ PART NUMBERS: _____

GVW: _____ AXLE CAPACITY: FRONT: _____ REAR: _____

TIRES: FRONT MAKE & SIZE: _____

REAR MAKE & SIZE: _____

DIMENSIONS OF UNIT: LENGTH: _____ WIDTH: _____ LENGTH: _____

VENDOR CONTACT PERSON: _____ PHONE: _____

PARTS:

BATTERY MAKE: _____ MODEL: _____ CCA: _____

TOP OR SIDE POST: _____ DIMENSIONS: LENGTH _____ WIDTH _____ HEIGHT _____

SPARK PLUGS OR FUEL INJECTORS MAKE: _____ PART #: _____

FUEL PUMP OR INJECTION PUMP MAKE: _____ MODEL: _____

ALTERNATOR MAKE: _____ PART #: _____

STARTER MAKE: _____ PART #: _____

TURBO CHARGER MAKE: _____ PART #: _____

TRANS. MAKE: _____ MODEL: _____ AUTO/MANUAL: _____

HYDRAULIC PUMP MAKE: _____ MODEL: _____

FILTERS MAKE PART NO. LUBRICANT MANUFACTURER TYPE

OIL _____	ENGINE _____
AIR INNER _____	TRANSMISSION _____
AIR OUTER _____	POWER STEERING _____
FUEL PRIMARY _____	HYDRAULIC _____
FUEL SECONDARY _____	DIFFERENTIALS _____
COOLANT _____	BRAKE FLUID _____
HYDRAULIC _____	COOLANT _____
OTHER _____	OTHER _____

X6.3 TRAINING:

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

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

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

If NO, explain time frame _____

Will an Operator's Manual be furnished directly to Training Academy prior to the delivery of the pilot?
_____ YES _____ NO

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

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

X6.5 WARRANTY AND SERVICE POLICY

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

Is warranty literature attached? _____ YES _____ NO

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

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)

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

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

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

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

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

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

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

X6.6 EVALUATION COMMITTEE REQUIREMENTS

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

X6.7 Will all parts, equipment, accessories, material, design and performance characteristics not specified herein, but which are necessary to provide a complete unit, be furnished with the unit and conform in strength, quality of material, and quality of workmanship to those which are advertised and provided to the market in general by the unit industry?

_____ YES _____ NO

X6.7.1 Are all parts and accessories adequate and regularly supplied as standard to be included except those which may be duplications of specifications herein, and except these by specification are not to be furnished?

_____ YES _____ NO

X6.7.2 Are all standard safety features that are required by Federal and State statutes of law included?

_____ YES _____ NO

X7.0 SPECIFICATIONS OF THE QUOTED UNIT

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

Manufacturer: _____ Model: _____

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. _____ lbs. plus the pusher axle _____ YES _____ NO

X7.3.2 Cab trunnion _____ inches

X7.3.3 Wheelbase: _____ inches

**X7.3.4 Frame:
Frame side rail section modules _____ cubic inches _____ psi steel and
RBM _____ 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 _____ pounds

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 _____ **lbs.**

Single speed with power divider and provided with 46,000 pound capacity suspension
 YES NO

Manufacturer and model: _____

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

X7.4 TRANSMISSION:

X7.4.1 Is transmission automatic with PTO provision YES NO

Manufacturer and model: _____

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 _____

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 YES NO
 Set at _____ rpm

- 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 _____ standard conventional type, _____ 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: _____

- X7.7.4.2 Will passenger seat be non adjustable cushioned bucket seat? YES NO
- X7.7.5 Electrical system will include _____ - _____ volt _____ CCA batteries maintenance free YES NO
- X7.7.6 Is battery box with cover provided YES NO
- X7.7.7 Alternator amperage _____
- 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 _____ x _____

- 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: 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 _____
- 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: _____ ply mounted on _____ steel disc wheels
- X7.8.2 Rear: _____ ply mounted on _____ steel disc wheels

X7.9 BRAKE SYSTEM:

- X7.9.1 Will brakes be air actuated? YES NO
- X7.9.2 Air compressor CFM _____ 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? 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 or 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

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: _____

X7.11.5.4 Lower stripe color: _____

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 _____ 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 _____ 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 _____ x _____ x _____
- 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 _____ ft _____ inches.
- X9.2 Underbridge overall stored height _____ ft. _____ inches
- X9.3 Underbridge overall stored width _____ ft. _____ inches

- 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 _____° 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 _____ 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 _____ 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 _____ 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 _____ 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 _____ 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 _____ degrees

X11.2 Platform dimensions _____ inches x _____ inches long x _____ 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 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 _____ % 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

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 _____ CFM @ _____ PSI mounted under the truck body? YES NO

X17.2 Will the unit include a _____ 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 _____ 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 _____ phase _____ Hz, AC generator which will be driven by the auxiliary diesel engine? _____ YES _____ NO

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

X17.10 Will the work platform be equipped with two (2) swivel mounted 12-volt flood lamps? _____ 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? _____ YES _____ NO
(Dymo labels will not be acceptable.)

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

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

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

(if not, why not) _____

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: _____ Signed: _____
Date: _____ Title: _____

*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: _____

Authorized Signature: _____ Date: _____

State of _____

County of _____, to-wit:

Taken, subscribed, and sworn to before me this ____ day of _____, 20__.

My Commission expires _____, 20__.

AFFIX SEAL HERE

NOTARY PUBLIC _____

