



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
708EC012

PAGE
1

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
04/02/2008				

BID OPENING DATE: 05/07/2008 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	EA		765-77		
<p>AIR STREET SWEEPER</p> <p>OPEN END CONTRACT</p> <p>TO PROVIDE TRUCK MOUNTED REGENERATIVE AIR STREET SWEEPER PER THE ATTACHED SPECIFICATIONS.</p> <p>THERE WILL BE A MANDATORY PRE-BID CONFERENCE AT THE STATE CAPITAL COMPLEX 2019 WASHINGTON, ST. EAST CHARLESTON, WV. AT 10:00 AM ON 04/24/2008. FAILURE TO ATTEND THE PRE-BID CONFERENCE WILL RESULT IN BID DISQUALIFICATION.</p> <p>QUESTIONS: WRITTEN QUESTIONS WILL BE ACCEPTED THROUGH CLOSE OF BUSINESS (5:00 PM EST.) ON FRIDAY 04/18/08.</p> <p>SEND YOUR QUESTIONS TO: PURCHASING DIVISION ATTENTION: MICHAEL AUSTIN 2019 WASHINGTON STREET EAST CHARLESTON, WV 25305</p> <p>QUESTIONS MAY BE SENT VIA FAX, E-MAIL, OR REGULAR MAIL E-MAIL: MICHAEL.D.AUSTIN@WV.GOV FAX: 304-558-4115</p> <p>IT IS THE VENDORS RESPONSIBILITY TO VERIFY THAT THEIR QUESTIONS HAVE BEEN RECEIVED BY CALLING 304-558-2402.</p> <p>EXHIBIT 2</p>						

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

INSTRUCTIONS TO BIDDERS

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

SIGNED BID TO:

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



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<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> <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>						

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<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, THIS CONTRACT IS AUTOMATICALLY NULL AND VOID, AND IS TERMINATED WITHOUT FURTHER ORDER.</p> <p>REV. 9/98</p> <p>EXHIBIT 6</p> <p>PRICE ADJUSTMENT PROVISION: THE STATE OF WEST VIRGINIA WILL CONSIDER BIDS THAT CONTAIN PROVISIONS FOR PRICE ADJUSTMENTS PRIOR TO THE ORIGINAL EXPIRATION OF THE CONTRACT, PROVIDED THAT SUCH PRICE ADJUSTMENT COVERS BOTH UPWARD AND DOWNWARD MOVEMENT OF THE COMMODITY PRICE, AND THAT ADJUSTMENT IS BASED ON THE "PASS THROUGH" INCREASE OR DECREASE OF</p>						

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<p>RAW MATERIALS AND/OR LABOR, WHICH MAKE UP ALL OR A SUBSTANTIAL PART OF A PRODUCT. ADJUSTMENTS ARE TO BE BASED UPON AN ACTUAL DOLLAR FIGURE, NOT A PERCENTAGE. ALL PRICE ADJUSTMENT REQUESTS MUST BE SUBSTANTIATED IN A MANNER ACCEPTABLE TO THE DIRECTOR PURCHASING, E.G. GOVERNMENTAL BENCH MARKS, GENERAL MARKET INCREASE, PUBLISHED PRICE LISTS. SUCH REQUESTS FOR AND INCREASE SHOULD BE RECEIVED IN WRITING BY THE DIRECTOR OF PURCHASING AT LEAST 30 DAYS IN ADVANCE OF THE EFFECTIVE DATE OF THE INCREASE. ANY TIME THE VENDOR REQUESTS A PRICE ADJUSTMENT, THE PURCHASING DIVISION MAY EITHER ACCEPT THE PRICE ADJUSTMENT AND AMEND THE CONTRACT ACCORDINGLY OR REJECT THE ADJUSTMENT IN ITS ENTIRETY AND CANCEL THE CONTRACT.</p> <p>EXHIBIT 4</p> <p>LOCAL GOVERNMENT BODIES: UNLESS THE VENDOR INDICATES IN THE BID HIS REFUSAL TO EXTEND THE PRICES, TERMS, AND CONDITIONS OF THE BID TO COUNTY, SCHOOL, MUNICIPAL AND OTHER LOCAL GOVERNMENT BODIES, THE BID SHALL EXTEND TO POLITICAL SUBDIVISIONS OF THE STATE OF WEST VIRGINIA. IF THE VENDOR DOES NOT WISH TO EXTEND THE PRICES, TERMS, AND CONDITIONS OF THE BID TO ALL POLITICAL SUBDIVISIONS OF THE STATE, THE VENDOR MUST CLEARLY INDICATE SUCH REFUSAL IN HIS BID. SUCH REFUSAL SHALL NOT PREJUDICE THE AWARD OF THIS CONTRACT IN ANY MANNER.</p> <p>REV. 3/88</p> <p>EXHIBIT 10</p> <p style="text-align: right;">REQUISITION NO.:</p>						

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<p>ADDENDUM ACKNOWLEDGEMENT</p> <p>I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.</p> <p>ADDENDUM NO.'S:</p> <p>NO. 1</p> <p>NO. 2</p> <p>NO. 3</p> <p>NO. 4</p> <p>NO. 5</p> <p>I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.</p> <p>VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.</p> <p>..... SIGNATURE </p> <p>..... COMPANY</p>						

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

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PURCHASING

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<p>CONTRACT OR PURCHASE ORDER.</p> <p>BY SUBMISSION OF THIS CERTIFICATE, BIDDER AGREES TO DISCLOSE ANY REASONABLY REQUESTED INFORMATION TO THE PURCHASING DIVISION AND AUTHORIZES THE DEPARTMENT OF TAX AND REVENUE TO DISCLOSE TO THE DIRECTOR OF PURCHASING APPROPRIATE INFORMATION VERIFYING THAT BIDDER HAS PAID THE REQUIRED BUSINESS TAXES, PROVIDED THAT SUCH INFORMATION DOES NOT CONTAIN THE AMOUNTS OF TAXES PAID NOR ANY OTHER INFORMATION DEEMED BY THE TAX COMMISSIONER TO BE CONFIDENTIAL.</p> <p>UNDER PENALTY OF LAW FOR FALSE SWEARING (WEST VIRGINIA CODE 61-5-3), BIDDER HEREBY CERTIFIES THAT THIS CERTIFICATE IS TRUE AND ACCURATE IN ALL RESPECTS; AND THAT IF A CONTRACT IS ISSUED TO BIDDER AND IF ANYTHING CONTAINED WITHIN THIS CERTIFICATE CHANGES DURING THE TERM OF THE CONTRACT, BIDDER WILL NOTIFY THE PURCHASING DIVISION IN WRITING IMMEDIATELY.</p> <p>BIDDER: -----</p> <p>DATE: -----</p> <p>SIGNED: -----</p> <p>TITLE: -----</p> <p>* CHECK ANY COMBINATION OF PREFERENCE CONSIDERATION(S) IN EITHER "A" OR "B", OR BOTH "A" AND "B" WHICH YOU ARE ENTITLED TO RECEIVE. YOU MAY REQUEST UP TO THE MAXIMUM 5% PREFERENCE FOR BOTH "A" AND "B".</p>						

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<p>(REV. 12/00)</p> <p>NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p>DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p> <p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</p> <p>SEALED BID</p> <p>BUYER: 33</p> <p>RFQ. NO.: 708EC012</p> <p>BID OPENING DATE: 05/07/2008</p> <p>BID OPENING TIME: 1:30 PM</p> <p>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:</p> <p>-----</p>						

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CONTACT PERSON (PLEASE PRINT CLEARLY):						

***** THIS IS THE END OF RFQ 708EC012 ***** TOTAL:						

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WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
EQUIPMENT DIVISION

PROCUREMENT SPECIFICATIONS
NO. 044-1-B

OPEN END CONTRACT
TRUCK MOUNTED REGENERATIVE AIR STREET SWEEPER

1.0 PURPOSE

It is the purpose of these specifications to describe a Truck Mounted 6-Wheel Regenerative Air Street Sweeper (hereinafter referred to as a "street sweeper" or a "unit") to be purchased for use by the West Virginia Division of Highways (DOH) on an Open End Contract basis.

2.0 BIDDING PROCEDURES

The current purchasing procedures regarding bidding as established by the Department of Administration, Purchasing Division, shall apply. Failure to submit the " Request for Quotation" forms, complete in its entirety and according to directions indicated, may subject the bidder to disqualification. **Each bid submitted shall also be accompanied by a Bidder's Evaluation Report completed in detail.** Addendums in order, along with exception sheets, should be with Bidder's Evaluation Report. **FAILURE TO SUBMIT THE BIDDER'S EVALUATION REPORT, COMPLETE IN ITS ENTIRETY, 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. 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 90 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.**

A completed pilot model for inspection must be provided within 60 calendar days after receipt of the purchase agreement by the successful vendor.

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

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

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

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

5.0 AWARD CRITERIA

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

DOH reserves the right to place multiple orders in any quantity.

6.0 SPECIFICATIONS AND GUIDELINES - GENERAL

6.1 IDENTIFICATION OF THE UNIT BEING PROPOSED

The bidder must identify the unit by manufacturer, model, series, and year of manufacture, in the bid to enable identification by DOH in the manufacturer's specifications of the proposed unit. The bidder will submit complete descriptive literature of the proposed unit, to establish that the bid is the manufacturer's most current model, including latest engineering improvements, which have been, or will imminently be, regularly advertised and sold on the open market. The unit specified herein and offered to be manufactured after January 1, 2008 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

14 **delivery.** In addition, there must be 12 service, shop, or maintenance manuals; ten (10) to be distributed to the Districts and two (2) for the Equipment Division. Also, there must be 14 parts manuals; ten (10) to be distributed to the Districts and four (4) for Equipment Division use. CD ROM is preferred in lieu of parts or service manuals.

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

6.3 TRAINING:

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

Manufacturers and/or dealers shall be required to furnish the Training Academy with one (1) Operator's Manual to be shipped direct to WVDOH Training Academy, Post Office Box 610, Buckhannon, West Virginia 26201 prior to delivery of the pilot.

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

6.4 PREVENTIVE MAINTENANCE AND OPERATOR PROCEDURES:

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

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

6.5 WARRANTY AND SERVICE POLICY

The Manufacturers warranty or service policy is to apply to the unit. Such warranty or service policy is to be recognized at any authorized unit dealer, representing manufacturer of proposed unit throughout the State of West Virginia. The applicable warranty or service policy will not be contingent upon obtaining routine service, lubrication, and servicing of the unit from factory authorized agencies. It will be the responsibility of the bidder to have available labor to repair or replace any defective replacement parts, components and materials, and to have available those replacement parts, components, and/or materials found to be defective during the terms of the warranty period. The bidder should state the labor rates, locations where parts will be stocked, availability of parts, and discounts offered for parts, when terms of the warranty offer a pro-rated cost for parts and labor. In addition, the successful bidder should offer field work to repair or replace defective parts, components, and materials found to be defective during the terms of the warranty and should provide mechanic's travel rates,

mileage charges, field mechanic rates, and any surcharge for miscellaneous items, if applicable, for field work during the warranty period. Submit to Division of Highways any technical or engineering improvements during the term of the warranty. **The unit must be accompanied upon delivery by the unit's manufacturer's executed warranty or service policy.**

A mandatory minimum two (2) year bumper to bumper basic parts and labor warranty 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:

SPECIFICATIONS – CAB AND CHASSIS

7.1 GVW plate rating: 31,000 - 33,000 Lbs.

7.2 Cab to Axle dimensions: The distance from centerline of the rear axle to the rear of the sweeper without the wandering hose shall not exceed 52 inches

7.3 Wheelbase: Shall not exceed 160 inches

- 7.4 **Frame: The manufacturer shall provide a frame that meets or exceeds all Federal requirements for GVWR.**
- 7.4.1 **Frame steel: 80,000 PSI minimum**
- 7.5 **Cab: Maximum visibility, forward line of sight from the chassis front bumper to the point on the ground visible to the operator shall not exceed 14 feet for an ASE 98th percentile size operator.**
- 7.5.1 **Steering shall be full power with dual operator controls, steering system shall have two (2) independent steering columns connected by a cross shaft**
- 7.5.2 **Interior of cab shall have acoustical insulation for low operating noise, automotive type trim, and center sweeper console**
- 7.5.3 Unit to be equipped with cruise control feature (fully electronic)
- 7.5.4 Cab door locks, both doors (with key only)
- 7.5.5 Dual Sun visors
- 7.5.6 **Cab shall have auxiliary 12v power outlet**
- 7.5.7 Seats: Dual air ride bostrom cloth covered seats fully adjustable
- 7.5.7.1 Seat belts: 3 point lap and shoulder type
- 7.5.8 Floor Mats: Rubber floor mats throughout cab area with non-absorbent backing under the mats
- 7.5.9 Turn Signals: Manufacturers heavy duty, self cancelling type with hazard warning Switch
- 7.5.10 AC, Heater, and Defroster: Fresh air type, heaviest duty
- 7.5.11 **Cab shall have full flow through ventilation for optional temperature control and operator comfort**
- 7.5.12 Windshield Wipers and Washers: 2 speed with washer with intermittent feature at both driving positions. **Windshield washer reservoir capacity one (1) gallon minimum**
- 7.5.13 **Instruments: Manufacturer's gauges both left and right operation with visual audible, and programmable warning to inform driver when operating conditions are exceeded shall include:**
- 7.5.13.1 **Chassis left and right side operator instrument panel shall be chassis OEM, full vision illuminated with tachometer, speedometer, odometer, trip odometer, fuel gauge, water temperature gauge, air pressure gauge, volt gauge, oil pressure, and transmission temperature gauges**

7.5.13.2 Chassis engine instruments shall include warning light and chime for low oil pressure and high coolant temperature, low oil pressure and low air pressure to warn the operator of a potential problem before any damage to the engine occurs.

7.5.13.2.1 Console shall have left/right primary drivers switch

7.5.13.3 Chassis engine shall have hourmeter

7.5.14 Rearview Mirrors: Dual, West Coast Type, with 8 inch convex spot mirror for easy viewing of the side broom during sweeping, of rust resistant material and mounting brackets

7.5.14.1 Mirrors: Fender mounted stainless steel 8 inch convex mirrors shall be provided to increase operator visibility.

7.5.15 Glass: To be manufacturers tinted safety glass; front side, and rear. **Side glass shall have defogger**

7.5.16 Radio: Manufacturers standard AM/FM stereo with seek and scan features

7.5.17 Air conditioning: Manufacturers fresh air type heaviest duty (Ref. 7.5.10)

7.5.18 Front mudflaps to be manufacturers standard for unit bid

7.5.19 Emergency triangle warning kit, with hold down (KD 610-464S, KD Lamp Co. or equal) stowed (fastened) in the cab. (Check with DOH before mounting)

7.5.20 Accessories not indicated above but are included in the manufacturer's standard cab shall be provided

7.5.21 Successful vendor shall provide WVDOH with complete list of all filters required for normal maintenance on proposed unit

7.6 Engine:

7.6.1 Diesel Engine: Shall be 175 HP minimum @ approximately 2200 RPM

7.6.2 Engine shall be equipped with a dual stage dry-type air cleaner, spin on fuel filter, and full flow oil filter

7.6.3 In engine block heater 1250 W, (approximate)

7.6.4 A single exhaust pipe with muffler that will meet all Federal noise abatement requirements. Heat shield on vertical exhaust

7.7 Cooling System:

7.7.1 The cooling system to be capable of maintaining engine temperature within the manufacturer's recommended range during continuous operation

- 7.7.2 **Radiator fan shall be viscous drive type**
- 7.7.3 **The system shall be filled with extended life OAT (organic acid technology) permanent type antifreeze rated to a -30° F minimum**
- 7.8 Fuel Tanks:
 - 7.8.1 **Capacity: 1 – 50 gallon fuel tank shall be shared by both engines and shall be easily accessible without raising or shifting any components (Inside cab fuel gauge shall be supplied, sight tube not acceptable)**
- 7.9 Electrical System:
 - 7.9.1 Type: 12 volt negative ground system with manufacturer's radio interference Suppression
 - 7.9.2 Batteries:
 - 7.9.2.1 **Shall be in an enclosed accessible environment for ease of service**
 - 7.9.2.2 **Cold Crank AMPS: 1500 AMPS minimum**
 - 7.9.3 **Alternator Capacity: 130 AMPS minimum brushless with internal regulator**
 - 7.9.4 **Lighting: Shall conform to the West Virginia Motor Vehicle Code**
- 7.10 Transmission: Allison Series 2500 (or equal) 5-speed with overdrive
- 7.11 **Rear Axle: Shall be two (2) 8 speed with ratios of 5.29 to 5.86/7.21 to 8.17:1 for proper sweeping and transport speeds**
 - 7.11.1 Rated Capacity: 21,000 Lbs.
 - 7.11.2 Rear Spring Capacity: 23,000 Lbs. with multi leaf auxiliary springs
 - 7.11.3 **Rear axle differential, transmission, and front wheel lubrication reservoirs shall be filled with synthetic type lubrication and provided with magnetic drain plugs where applicable**
 - 7.11.4 Unit to be equipped with manufacturers heavy duty rear shock absorbers (if required)
- 7.12 Front Axle:
 - 7.12.1 **Capacity: 12,000 lbs. minimum I-beam type**
 - 7.12.2 Front Spring Capacity: 12,000 lbs.
 - 7.12.3 Manufacturers heavy duty shock absorbers/and stabilizer bar

- 7.13 Brakes should be:
- 7.13.1 Type: Full air with manufacturers ABS through a 4 channel full vehicle wheel control system in compliance with the most current FMVSS requirements
- 7.13.2 Compressor: 13.2 CFM minimum**
- 7.13.3 Parking Brake: Spring set, air release actuating rear axle service brakes. Instrument panel control.
- 7.13.4 Air dryer with heater Bendix Westinghouse AD-9 or equal
- 7.13.5 Manufacturer's standard air tanks for service brakes; auxiliary tank for parking brake
- 7.13.6 Low air pressure warning light and buzzer
- 7.13.7 Brakes shall meet or exceed all current Federal and State FMVSS requirements.**
- 7.13.8 Brake dust covers to be installed on all wheels
- 7.14 Tires and Wheels for safety and to allow emergency interchange of tires at a job site/ front and rear (tires/rims) shall be interchangeable**
- 7.14.1 Wheel, Front and Rear: 22.5 x 8.25 10 hole hub piloted steel disc type, to accommodate specified tire size
- 7.14.2 Tires:
- 7.14.2.1 Front and Rear: 11R22.5G; 14 ply. The rear axle shall have dual tires for load capacity (singles not acceptable)**
- 7.15 Unit shall include all other features considered as manufacturers standard equipment if not specifically addressed above**
- 7.16 Paint: Manufacturers standard
- 7.16.1 The Department reserves the right to view larger paint samples after award of contract.
- 7.16.2 In order to test the adhesive qualify 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.
- 7.17 Vendor must certify that the unit offered will meet or exceed the "Occupational Safety and Health Act of 1970" and subsequent amendments.**
- 7.18 Advertising: No visible decals or nameplates or painted on names representing the manufacturer or model number or trademark should appear on the exterior of the unit. Logos created through the stamping or casting process of manufacture are acceptable.

7.19 Preventive Maintenance and Operator's Training School

7.19.1 Manufacturers and/or dealers will be required to stage a thorough seminar on the subjects Preventive Maintenance and Operator Training. The seminar should be held at the Equipment Division, Buckhannon, W. Va.

7.19.2 In addition to the operating and service manuals, booklets and pamphlets explaining the Preventive Maintenance and Operator Training procedures to be used by the operators of this equipment, include such things as daily pre-start, inspection procedure, service schedule and routine maintenance required, safety precautions, etc.

7.19.3 The successful vendor shall conduct training of the completed unit.

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

8.0 SPECIFICATIONS OF SWEEPER MODULE

New Regenerative Air Street Sweeper having a 6-wheeled, truck chassis with dual diesel engines, sweeper controls and switches, 8.0 cubic yard hopper, automatic transmission, 220 gallon water tank, left and right side broom with variable down pressure controlled from the cab.

8.1 Water Tank:

8.1.1 Tank capacity shall be 220 gallon of water minimum

8.2 Sweeper Engine:

8.2.1 Diesel – Must be Tier 3 Emission compliant, 4 cylinder turbocharged, 276 CID John Deere 4045T or equal

8.2.2 Horsepower: Minimum 115 HP @ 2500 RPM, minimum torque 291 lb. ft. @ 1400 RPM

8.2.3 Engine should be wet sleeved

8.2.4 Unit shall have dual element dry type air cleaner with restriction indicator

8.2.5 Engine coolant shall be extended life OAT (organic acid technology) permanent type antifreeze protected to -30° F

8.2.6 Sweeper engine shall drive the blower fan by a heavy duty five (5) "V" groove power belt

8.2.7 Sweeper engine shall be in an enclosure for sound attenuation, enclosure to include doors for access to serviceable items or tilt hopper

8.3 Blower:

8.3.1 Blower shall be rated at a minimum 17,000 CFM by an independent test facility (documentation shall be attached)

- 8.3.2 **Operation speed of the fan shall be minimum 2,000 RPM**
- 8.3.3 **Blower shall be of the closed or open face turbine type, minimum nine (9) vans, 31 3/8 inch diameter**
- 8.3.4 Blower to be constructed of abrasion resistant steel
- 8.3.5 Blower housing to be constructed of 10 gauge steel and lined with Linafex or 3/8 inch corded rubber shall not be part of the hopper
- 8.3.6 **Blower housing shall have an inspection door (air exhaust opening)**
- 8.3.7 Blower to be mounted and supported on both sides by heavy duty greasable bearing
- 8.3.8 **Bearings shall be greasable from ground level, without tilting the hopper**
- 8.4 Pick Up Head:
 - 8.4.1 **The pick up head shall be spring balanced**
 - 8.4.2 Pick up head to be all steel construction with upper and lower chambers
 - 8.4.3 **Minimum 87 inches wide**
 - 8.4.4 **Minimum 30 inches high**
 - 8.4.5 **Minimum total area 2610 square inches**
 - 8.4.6 **Minimum 14 inch diameter pressure hose between blower outlet with the pickup head (urethane transition hose not acceptable)**
 - 8.4.7 **Minimum 12 3/4 inch diameter suction hose with quick disconnect**
 - 8.4.8 **In cab electric operated pressure relief valve/vacuum enhancer/leaf bleeder for optimum leaf and light debris sweeping, shall be supplied on pressure side**
 - 8.4.9 **Front and rear debris curtains shall be removable without removing the pick up head from the unit**
 - 8.4.10 Sweeping Path:
 - 8.4.10.1 **Pick up head only – minimum 87 inches**
 - 8.4.10.2 **One (1) side broom and pick up head – minimum 110 inches**
 - 8.4.10.3 **Two (2) side broom and pick up head – minimum 142 inches**
 - 8.4.11 **Pick up head shall be equipped with side mounted adjustable steel runners with carbide inserts. Minimum width 1 1/8 inches**

- 8.4.12 **Raise and lower of pick up head shall be done hydraulically by a rocker switch on the control panel inside the cab**
- 8.4.13 **A center broom in the rear or front of the pick up head shall be supplied, to be controlled by rocker switch in cab**
 - 8.4.13.1 **Center broom shall be hydraulic driven**
 - 8.4.13.2 **Center broom minimum 66 inches long**
 - 8.4.13.3 **Center broom minimum 10 inches in diameter**

8.5 Side Brooms:

- 8.5.1 **Right and left broom shall be a free floating trailing arm design with inward motion safety to prevent damage when sweeping and encountering fixed obstacles**
- 8.5.2 **Trailing arm shall be of parallelogram design**
- 8.5.3 **Brooms shall be minimum 42 inches diameter**
- 8.5.4 **Brooms shall be hydraulically driven**
- 8.5.5 **Brooms must be pneumatically or hydraulically raised, lowered, and suspended**
- 8.5.6 **Broom down pressure must be pneumatically controlled from the cab by operator or automatic by load and speed sensing hydraulics**
- 8.5.7 **Broom hydraulic motor drive must have minimum 6045 in/lbs. of torque**
- 8.5.8 **Side brooms to have greaseless pivot pins and/or grease zero**
- 8.5.9 **Transport hook shall hold side broom assemblies in storage position or hydraulic lock in system**
- 8.5.10 **Rocker switches in cab are used to control side broom**
- 8.5.11 **Side broom retraction while sweeping to provide scrubbing action must be controlled from the operator seat**
- 8.5.12 **Right side broom shall tilt inward and outward from cab while sweeping by means of electrically controlled linear actuator**

8.6 Hopper:

- 8.6.1 **Volumetric capacity – minimum 7.3 cubic yards**
- 8.6.2 **Construction – minimum 10 gauge steel sides, minimum 3/16 inch floor**

- 8.6.3 **Weight actuated full load indicator must be mounted in the cab on control panel**
- 8.6.4 **Dump angle minimum 50°**
- 8.6.5 **Dump angle shall be achieved by use of 2 stage telescopic cylinder or dual hydraulic cylinders**
- 8.6.6 **Floor angle minimum 3°**
- 8.6.7 **Abrasion resistant “scoop” style steel deflector shall be located at the suction inlet to direct material to the center of hopper**
- 8.6.8 **Hopper rear door must be hinged at the top of the door and opened by hydraulic Cylinder**
- 8.6.9 **Hopper rear door opening minimum 90° angle**
- 8.6.10 **Right hand side (passenger side) of hopper shall have hydraulic valve levers to operate hydraulic cylinder movement**
- 8.6.11 **Hopper rear door must have internal door prop**
- 8.6.12 **Hopper rear door to have automatic lock mechanism for tight fit**
- 8.6.13 **Hopper rear door seal must be water resistant reinforced**
- 8.6.14 **Hopper screens shall be hinged for easily cleaning and inspection**
- 8.6.15 **Total hopper screen area minimum 3,000 square inches**
- 8.6.16 **Hopper screen material minimum 11 gauge steel**
- 8.6.17 **A minimum eight (8) inch inside diameter by 9.5 foot long hydraulic wandering hose located at rear of unit for cleaning catch basins shall be provided**
- 8.6.18 **An eight (8) inch diameter by four (4) foot long catch basin nozzle with water injection and quick clamp shall be provided. An additional eight (8) inch diameter by four (4) foot aluminum extension with quick clamps shall be provided.**
- 8.6.19 **Push button finger tip hydraulic control on the nozzle handles to raise and lower nozzle to be supplied**
- 8.6.20 **Rear auxiliary engine must have throttle control**
- 8.6.21 **Hopper hose must be heavy duty rubber (Plastic hoses not acceptable)**
- 8.6.22 **In addition to the standard outside dumping controls, in cab controls shall be provided**

- 8.6.23 Right side (curb side) of hopper shall have inspection door**
- 8.6.24 For easy access to inspection door, an additional step and rear handle mounted on rear bumper and right rear side of hopper to be provided or access doors on each side of hopper
- 8.6.25 Rear of sweeper must have bumper to protect against underride obstacles and shall be designed as to not allow dumping debris on top of said bumper**
- 8.6.26 Protection to the hopper against corrosion and wear and to facilitate the removal of debris when dumping shall be provided**
- 8.6.27 Bare steels including stainless steels are not acceptable
- 8.6.28 Protection system shall provide protection such that the hopper will be warranted for life of sweeper. The liner shall be Life Liner or approved equal.**
- 8.7 Dust Separator:
- 8.7.1 Dirt separation from the air stream must be accomplished by means of a labyrinth style dust separator installed at air return outlet of the hopper or a circular, cyclonic multi pass.**
- 8.7.2 Separator to be designed as to not allow plugging with regular debris
- 8.7.3 Dust separator shall have easy access for cleaning of the separator interior and Inspection**
- 8.7.4 Dust separator to have self opening door made of abrasion resistant steel to allow automatic discharge of debris when tilting hopper
- 8.8 Spray Water System:
- 8.8.1 Tank total capacity – 220 gallons
- 8.8.2 Construction – Rust proof polyethylene
- 8.8.3 Tank shall be removable type, sharing no common wall with hopper**
- 8.8.4 Tank must not raise during hopper dumping**
- 8.8.5 Fill hose minimum 16 foot 8 inches with NST coupling with strainer must be supplied**
- 8.8.6 Water level gauge will be control console mounted within the cab**
- 8.8.7 Water lines must be color coded**
- 8.8.8 Ball valve in filter inlet shall be provided to prevent water loss while cleaning filter**

- 8.8.9 Filter must be easy to access and clean without tipping hopper
- 8.8.10 All water piping must be external to operator cab (No lines within cab)
- 8.8.11 Minimum three (3) spray nozzles at each side broom for dust control to be provided
- 8.8.12 Spray nozzles shall be mounted on pivoting brackets
- 8.8.13 Inside the pick up head shall have minimum five (5) easily removable water spray nozzles
- 8.8.14 Suction hose must have minimum two (2) easily removable spray nozzles
- 8.8.15 Water flow to pick up head, suction hose, side brooms shall be by two (2) electric 12 volt, diaphragm type pumps or electric roller pump, belt driven cat triplex
- 8.8.16 Diaphragm type pumps must provide minimum six (6) GPM @ 30 PSI combined, roller style pump with up to 100 psi, or Cat Triplex style pump with up to 55 psi
- 8.8.17 Each pump must have two (2) flow rates controlled by the operator within cab or controlled with on/off switch and single flow rate
- 8.8.18 An additional spray bar mounted under the front bumper with cab controls shall be provided for extreme sweeping conditions.
- 8.8.19 Water spray line to the center broom shall be provided for increased dust suppression.
- 8.8.20 Quick disconnect for high pressure wash down must be easily accessible on right side of sweeper
- 8.9 Hydraulic System:
 - 8.9.1 Hydraulic Pump – gear driven (belt or PTO driven not acceptable)
 - 8.9.2 Hydraulic Pump Output – minimum 7.7 GPM @ 2500 RPM
 - 8.9.3 Reservoir Capacity – minimum 23 gallons
 - 8.9.4 Tank shall have exterior sight gauge
 - 8.9.5 Reservoir should be located within the enclosed auxiliary engine compartment
 - 8.9.6 All hydraulic circuits must have quick disconnect pressure check ports
 - 8.9.7 All high pressure fittings must be “o” ring face seal type or JIC type

- 8.9.8 All hydraulic filters, air or fluid shall be manufacturers standard**
- 8.9.9 Electric/hydraulic auxiliary pump shall be supplied to raise/lower the hopper, open/close hopper rear door without running auxiliary engine**
- 8.10 Pneumatic System (if required):
- 8.10.1 A PR4 type pressure protector for the chassis air system must be provided to protect system when pressures drop below 85 PSI**
- 8.10.2 Sweeper air components shall have separator air tank**
- 8.10.3 All pneumatic cylinders shall be rated to 150 PSI and have a separate rod seal and wiper to prevent contamination entering the cylinder**
- 8.10.4 Each cylinder to be controlled by a single, two (2) position, solenoid valve mounted on a manifold with common input and exhaust
- 8.10.5 A poly carbonate bowl type filter shall be used to filter out contamination of the air System**
- 8.11 Electrical System:
- 8.11.1 Sweeper electrical system must be separate of the chassis electrical system**
- 8.11.2 Sweeper engine battery – (1) 925 CCA minimum, 12 volt battery or share with truck chassis**
- 8.11.3 Sweeper engine alternator – minimum 95 AMP**
- 8.11.4 Sweeper shall have OSHA approved back up alarm**
- 8.11.5 Sweeper lighting to include rear identification lights, side broom, and rear clearance Lights
- 8.11.6 Sweeper warning lights shall include hopper up and hopper full load**
- 8.11.7 Sweeper wiring harnesses must be color coded and function stamped every six (6) inches**
- 8.11.8 All electrical circuits shall be protected by manual re-settable circuit breakers**
- 8.11.9 Manufacturers recommended LED arrowboard rear mounted to be provided
- 8.12 Controls:
- 8.12.1 All sweeper controls to be mounted on a stationary central console that allows for use from either right or left positions
- 8.12.2 Controls to include all sweep, spray water, and lighting functions

8.12.3 Conventional rocker switches are to be used to control sweep, spray water, and lighting functions

8.12.4 Controls for auxiliary engine ignition and throttle, side broom down pressure, and manual reset circuit breakers shall be located in the control console

8.13 Instruments:

8.13.1 Sweeper engine instruments to include:

- 8.13.1.1 Tachometer
- 8.13.1.2 Hour meter
- 8.13.1.3 Oil pressure
- 8.13.1.4 Fuel
- 8.13.1.5 Voltage
- 8.13.1.6 Coolant temperature
- 8.13.1.7 Air intake restriction indicator
- 8.13.1.8 Raised hopper indicator
- 8.13.1.9 Full hopper indicator

8.14 Accessories:

8.14.1 A 2 1/2 lb. fire extinguisher must be provided

8.14.2 A hydrant wrench for fire hydrant to fill water shall be provided

8.14.3 A rear mounted flood light with cab control shall be provided

8.14.4 A sweep resume feature must be provided. It must include automatic pickup of side brooms and pickup head and return to idle when sweep resume control is activated or when truck transmission is put in reverse, and return to previous sweeping positions when transmission is taken out of reverse or sweep resume control is returned to sweeping position.

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
EQUIPMENT DIVISION

BIDDER'S EVALUATION REPORT

PROCUREMENT SPECIFICATIONS FOR OPEN END CONTRACT
NO. 044-1-B

OPEN END CONTRACT
TRUCK MOUNTED REGENERATIVE AIR STREET SWEEPER

NOTE TO BIDDER: Procurement Specification No. 044-1-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

**NOTE: Vendors can complete the Bid Schedule at Purchasing's Web Site
www.state.wv.us/admin/purchase**

X5.0 AWARD CRITERIA;

X5.1 Price for each 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 included?
_____ YES _____ NO

Describe:

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.

SPECIFICATIONS – CAB AND CHASSIS

Manufacturer: _____ Model: _____

X7.1 GVW Plate Rating: _____ Lbs.

X7.2 Cab to Axle dimensions: Distance from centerline of the rear axle to the rear of the sweeper without the wandering hose _____ inches

X7.3 Wheelbase: _____ inches

X7.4 Frame: Does the frame meet or exceed all Federal requirements for GVWR
 _____ YES _____ NO

X7.4.1 Frame steel: _____ psi

X7.5 Cab: Maximum visibility, forward line of sight from the chassis front bumper to the point on the ground visible to the operator _____ feet for an ASE 98th percentile size operator

- X7.5.1 Is steering full power with dual operator controls YES NO
- Does steering have two (2) independent steering columns connected by a cross shaft
 YES NO
- X7.5.2 Does interior of cab have acoustical insulation for low operating noise, automotive type trim, and center sweeper console YES NO
- X7.5.3 Is unit equipped with cruise control feature (fully electronic) YES NO
- X7.5.4 Cab door locks, both doors (with key only) YES NO
- X7.5.5 Dual sun visors YES NO
- X7.5.6 Does cab have auxiliary 12v power outlet YES NO
- X7.5.7 Seats: Dual air ride bostrom cloth covered seats fully adjustable YES NO
- X7.5.7.1 Seat belts: 3 point lap and shoulder type YES NO
- X7.5.8 Floor Mats: Rubber floor mats throughout cab area with non-absorbent backing under mats
 YES NO
- X7.5.9 Turn Signals: Manufacturers heavy duty, self cancelling type with hazard warning switch
 YES NO
- X7.5.10 AC, heater, and defroster: Fresh air type, heaviest duty YES NO
- X7.5.11 Does cab have full flow through ventilation for optional temperature control and operator comfort
 YES NO
- X7.5.12 Windshield wipers and washers: 2 speed with washer with intermittent feature at both driving positions
 YES NO
- Windshield washer reservoir capacity gallon
- X7.5.13 Instruments: Manufacturers gauges both left and right operation with visual, audible, and programmable warning to inform driver when operating conditions are exceeded
 YES NO
- X7.5.13.1 Chassis left and right side operator instrument panel chassis OEM, full vision illuminated with tachometer, speedometer, odometer, trip odometer, fuel gauge, water temperature gauge, air pressure gauge, volt gauge, oil pressure, and transmission temperature gauges
 YES NO
- X7.5.13.2 Does engine instruments include warning light and chime for low oil pressure and high coolant temperature, low oil pressure and low air pressure to warn the operator of a potential problem before any damage to the engine occurs YES NO
- X7.5.13.2.1 Does console have left/right primary drivers switch YES NO

- X7.5.13.3** Does chassis engine have hourmeter YES NO
- X7.5.14 Rearview mirrors: Dual, west coast type, with 8 inch convex spot mirror for easy viewing of the side broom during sweeping, of rust resistant material and mounting brackets YES NO
- X7.5.14.1** Mirrors: Fender mounted stainless steel 8 inch convex mirrors provided to increase operator visibility YES NO
- X7.5.15 Glass: Manufacturers tinted safety glass; front side, and rear YES NO
- Does side glass have defogger** YES NO
- X7.5.16 Radio: Manufacturers standard AM/FM stereo with seek and scan feature YES NO
- X7.5.17 Air conditioning: Manufacturers fresh air type heaviest duty YES NO
- X7.5.18 Front mudflaps are manufacturers standard for unit bid YES NO
- X7.5.19 Emergency triangle warning kit, with hold down stowed in the cab YES NO
- Manufacturer and Part No. _____
- X7.5.20** Accessories included in the manufacturers standard cab but not addressed:
- _____
-
- X7.5.21** If you are successful vendor, will you provide WVDOH with complete list of all filters required for normal maintenance on unit YES NO
- X7.6 Engine:
- X7.6.1** Diesel engine: _____ HP @ _____ RPM
- X7.6.2** Is engine equipped with a dual stage dry type air cleaner, spin on fuel filter, and full flow oil filter YES NO
- X7.6.3 In engine block heater: _____ watt
- X7.6.4** A single exhaust pipe with muffler that meets all Federal noise abatement requirement YES NO
- Heat shield on vertical exhaust YES NO
- X7.7 Cooling System:
- X7.7.1** Cooling system is capable of maintaining engine temperature within the manufacturer's recommended range during continuous operation YES NO

- X7.7.2 Radiator fan is viscous drive type YES NO
- X7.7.3 The system is filled with _____ antifreeze
rated to a -30°F minimum YES NO
- X7.8 Fuel Tanks:
- X7.8.1 Capacity: One (1) 50 gallon fuel tank shared by both engines and easily accessible without
raising or shifting any components YES NO
- Inside cab fuel gauge supplied YES NO
- X7.9 Electrical System:
- X7.9.1 Type: 12 volt negative ground system with manufacturer's radio interference suppression
 YES NO
- X7.9.2 Batteries:
- X7.9.2.1 Are in an enclosed accessible environment for ease of service YES NO
- X7.9.2.2 Cold Crank Amps: _____ AMPS
- X7.9.3 Alternator Capacity: _____ AMPS brushless with internal regulator YES NO
- X7.9.4 Lighting: Does it conform to the West Virginia Motor Vehicle Code YES NO
- X7.10 Transmission: _____ 5 speed with overdrive YES NO
- X7.11 Rear Axle: Is it two (2) 8 speed with ratios of 5.29 to 5.86/7.21 to 8.17:1 for proper sweeping
and transport speeds YES NO
- X7.11.1 Rated Capacity: _____ Lbs.
- X7.11.2 Rear Spring Capacity: _____ Lbs. with multi leaf auxiliary springs YES NO
- X7.11.3 Rear axle differential, transmission, and front wheel lubrication reservoirs are filled with
synthetic type lubrication and provided with magnetic drain plugs where applicable
 YES NO
- X7.11.4 Is unit equipped with manufacturers heavy duty rear shock absorbers YES NO
Are they required YES NO
- X7.12 Front Axle:
- X7.12.1 Capacity: _____ lbs. I beam type
- X7.12.2 Front spring capacity: _____ lbs.
- X7.12.3 Manufacturers heavy duty shock absorbers/and stabilizer bar YES NO

X7.13 Brakes:

X7.13.1 Type: Are they full air with manufacturers ABS through a 4 channel full vehicle wheel control system in compliance with the most current FMVSS requirements ____ YES ____ NO

X7.13.2 Compressor: ____ CFM

X7.13.3 Parking brake: Spring set, air release actuating rear axle service brakes ____ YES ____ NO

Instrument panel control ____ YES ____ NO

X7.13.4 Air dryer with heater: _____

X7.13.5 Manufacturers standard air tanks for service brakes; auxiliary tank for parking brake ____ YES ____ NO

X7.13.6 Low air pressure warning light and buzzer ____ YES ____ NO

X7.13.7 Do brakes meet or exceed all current Federal and State FMVSS requirements ____ YES ____ NO

X7.13.8 Brake dust covers installed on all wheels ____ YES ____ NO

X7.14 Tires and wheels for safety and allows emergency interchange of tires at a job site/front and rear (tires/rims) are interchangeable ____ YES ____ NO

X7.14.1 Wheel, front and rear: _____
10 hole hub piloted steel disc type to accommodate specified tire size ____ YES ____ NO

X7.14.2 Tires:

X7.14.2.1 Front and Rear: 11R22.5G; 14 ply ____ YES ____ NO

Does the rear axle have dual tires for load capacity ____ YES ____ NO

X7.15 Other features considered as manufacturers standard equipment but not addressed:

X7.16 Paint: Manufacturers standard ____ YES ____ NO

X7.16.1 Will you furnish the Department a larger paint sample after award of contract if needed ____ YES ____ NO

X7.16.2 If required, will you measure adhesion by the criteria set forth in ASTM D3359-74 Method B ____ YES ____ NO

X7.17 Does unit meet or exceed the "Occupational Safety and Health Act of 1970" and subsequent amendments _____ YES _____ NO

X7.18 Does the unit meet the advertising guidelines _____ YES _____ NO

X7.19 Preventive Maintenance and Operator's Training School:

X7.19.1 Will manufacturer and/or dealer stage a thorough seminar on Preventive Maintenance and Operator Training _____ YES _____ NO

X7.19.2 Will operating and service manuals, booklets and pamphlets explaining procedures be supplied _____ YES _____ NO

X7.19.3 If you are successful vendor, will you conduct training of the completed unit _____ YES _____ NO

Have you attached a copy of the proposed program with your bid _____ YES _____ NO

X8.0 SPECIFICATIONS OF SWEEPER MODULE

Does New Regenerative Air Street Sweeper have a 6 wheeled, truck chassis with dual diesel engines, sweeper controls and switches, 8.0 cubic yard hopper, automatic transmission, 220 gallon water tank, left and right side broom with variable down pressure controlled from cab _____ YES _____ NO

Manufacturer: _____ Model: _____

X8.1 Water Tank:

X8.1.1 Tank capacity _____ gallon of water

X8.2 Sweeper Engine:

X8.2.1 Diesel - Is it a Tier 3 Emission compliant, 4 cylinder turbocharged, 276 CID _____ YES _____ NO

Manufacturer and Model: _____

X8.2.2 Horsepower: _____ HP @ _____ RPM ; torque _____ lb ft @ _____ RPM

X8.2.3 Is engine wet sleeved _____ YES _____ NO

X8.2.4 Does unit have element dry type air cleaner with restriction indicator _____ YES _____ no

X8.2.5 Engine coolant is _____ with a protection to -30°F _____ YES _____ NO

- X8.2.6 Does the sweeper engine drive the blower fan by a heavy duty five (5) "V" groove power belt _____ YES _____ NO
- X8.2.7 Is sweeper engine in an enclosure for sound attenuation, enclosure to include doors for access to serviceable items or tilt hopper _____ YES _____ no
- X8.3 Blower:
- X8.3.1 Blower is rated at _____ CFM by an independent test facility _____ YES _____ NO
Have you attached the documentation _____ YES _____ NO
- X8.3.2 Operation speed of the fan _____ RPM
- X8.3.3 Is blower of the closed ___ or open ___ face turbine type _____ YES _____ NO
Number of vans _____ diameter _____
- X8.3.4 Blower constructed of abrasion resistant steel _____ YES _____ NO
- X8.3.5 Blower housing constructed of 10 gauge steel and lined with Linafex or 3/8 inch corded rubber _____ YES _____ NO
Is part of the hopper _____ YES _____ NO
- X8.3.6 Does blower housing have an inspection door (air exhaust opening) _____ YES _____ NO
- X8.3.7 Is blower mounted and supported on both sides by heavy duty greasable bearing _____ YES _____ NO
- X8.3.8 Are bearings greasable from ground level without tilting the hopper _____ YES _____ NO
- X8.4 Pick Up Head:
- X8.4.1 Is pick up head spring balanced _____ YES _____ NO
- X8.4.2 Is pick up head all steel construction with upper and lower chambers _____ YES _____ NO
- X8.4.3 Width: _____ inches
- X8.4.4 High: _____ inches
- X8.4.5 Total area: _____ square inches
- X8.4.6 Diameter pressure hose between blower outlet with pickup head _____ inch
Is transition hose urethane _____ YES _____ NO
- X8.4.7 Diameter suction hose with quick disconnect _____ inch

- X8.4.8** In cab electric operated pressure relief valve/vacuum enhancer/leaf bleeder for optimum leaf and light debris sweeping supplied on pressure side _____ YES _____ NO
- X8.4.9** Is front and rear debris curtain removable without removing the pick up head from unit _____ YES _____ NO
- X8.4.10** Sweeping Path:
- X8.4.10.1** Pick up head only _____ inches
- X8.4.10.2** One (1) side broom and pick up head _____ inches
- X8.4.10.3** Two (2) side broom and pick up head _____ inches
- X8.4.11** Is pick up head equipped with side mounted adjustable steel runners with carbide inserts _____ YES _____ NO
Width: _____ inches
- X8.4.12** Is raise and lower of pick up head done hydraulically by a rocker switch on control panel inside the cab _____ YES _____ NO
- X8.4.13** Is a center broom in the rear or front of pick up head supplied _____ YES _____ NO
And controlled by rocker switch in cab _____ YES _____ NO
- X8.4.13.1** Is center broom hydraulic driven _____ YES _____ NO
- X8.4.13.2** Center broom _____ inches long
- X8.4.13.3** Center broom _____ inches in diameter
- X8.5** Side Brooms:
- X8.5.1** Right and left broom are of a free floating trailing arm design with inward motion safety to prevent damage when sweeping and encountering fixed obstacles _____ YES _____ NO
- X8.5.2** Training arm is of parallelogram design _____ YES _____ NO
- X8.5.3** Diameter of brooms _____ inches
- X8.5.4** Are brooms hydraulically driven _____ YES _____ NO
- X8.5.5** Are brooms pneumatically ___ or hydraulically ___ raised, lowered, and suspended _____ YES _____ NO
- X8.5.6** Is broom down pressure pneumatically controlled from the cab by operator ___ or automatic by load and speed sensing hydraulics _____
- X8.5.7** Broom hydraulic motor drive _____ in/lbs. of torque

- X8.5.8 Side brooms have greaseless pivot pins and/or grease zero YES NO
- X8.5.9 Does transport hook hold side broom assemblies in storage position or hydraulic lock in system
- X8.5.10 Are rocker switches in cab used to control side broom YES NO
- X8.5.11 Is side broom retraction while sweeping to provide scrubbing action controlled from the operator seat YES NO
- X8.5.12 Does right broom tilt inward and outward from cab while sweeping by means of electrically controlled linear actuator YES NO
- X8.6 Hopper:
- X8.6.1 Volumetric capacity _____ cubic yards
- X8.6.2 Construction: _____ gauge steel sides, _____ inch floor
- X8.6.3 Is weight actuated full load indicator mounted in the cab on control panel YES NO
- X8.6.4 Dump angle _____ °
- X8.6.5 Dump angle achieved by use of 2 stage telescopic cylinder or dual hydraulic cylinders YES NO
- X8.6.6 Floor angle _____ °
- X8.6.7 Abrasion resistant "scoop" style steel deflector located at the suction inlet to direct material to the center of hopper YES NO
- X8.6.8 Hopper rear door hinged at the top of the door and opened by hydraulic cylinder YES NO
- X8.6.9 Hopper rear door opening _____ ° angle
- X8.6.10 Right hand side (passenger side) of hopper has hydraulic valve levers to operate hydraulic cylinder movement YES NO
- X8.6.11 Hopper rear door has internal door prop YES NO
- X8.6.12 Hopper rear door has automatic lock mechanism for tight fit YES NO
- X8.6.13 Hopper rear door seal is water resistant reinforced YES NO
- X8.6.14 Are hopper screens hinged for easily cleaning and inspection YES NO
- X8.6.15 Total hopper screen area _____ square inches

- X8.6.16 Hopper screen material _____ gauge steel
- X8.6.17 _____ inch inside diameter by _____ foot long hydraulic wandering hose located at rear of unit for cleaning catch basins is provided _____ YES _____ NO
- X8.6.18 An _____ inch diameter by _____ foot long catch basin nozzle with water injection and quick clamp is provided _____ YES _____ NO
- An additional _____ inch diameter by _____ foot aluminum extension with quick clamps is provided _____ YES _____ NO
- X8.6.19 Is a push button finger tip hydraulic control on the nozzle handles to raise and lower nozzle provided _____ YES _____ NO
- X8.6.20 Does rear auxiliary engine have throttle control _____ YES _____ NO
- X8.6.21 Is hopper hose heavy duty rubber _____ YES _____ NO
- X8.6.22 In addition to standard outside dumping controls, are in-cab controls provided _____ YES _____ NO
- X8.6.23 Does right side (curb side) of hopper have inspection door _____ YES _____ NO
- X8.6.24 For easy access to inspection door, is an additional step and rear handle mounted on rear bumper and right rear side of hopper provided or access doors on each side of hopper _____ YES _____ NO
- X8.6.25 Does rear of sweeper have bumper to protect against underride obstacles and designed as to not allow dumping debris on top of said bumper _____ YES _____ NO
- X8.6.26 Is there protection to the hopper against corrosion and wear and to facilitate the removal of debris when dumping provided _____ YES _____ NO
- X8.6.27 Have you used any bare steels including stainless steels _____ YES _____ NO
- X8.6.28 Does protection system provide protection such that the hopper will be warranted for life of sweeper _____ YES _____ NO

Manufacturer of liner: _____

X8.7 Dust Separator:

- X8.7.1 Is dirt separation from the air stream accomplished by means of a labyrinth style dust separator installed at air return outlet of the hopper or a circular, cyclonic multi pass _____ YES _____ NO
- X8.7.2 Is separator designed as to not allow plugging with regular debris _____ YES _____ NO

- X8.7.3** Does dust separator have easy access for cleaning of the separator interior and inspection _____ YES _____ NO
- X8.7.4** Does dust separator have self opening door made of abrasion resistant steel to allow automatic discharge of debris when tilting hopper _____ YES _____ NO
- X8.8** Spray Water System:
- X8.8.1** Tank total capacity _____ gallons
- X8.8.2** Construction : _____
- X8.8.3** Is tank removable type, sharing no common wall with hopper _____ YES _____ NO
- X8.8.4** Does tank not raise during hopper dumping _____ YES _____ NO
- X8.8.5** Fill hose _____ with NST coupling with strainer is supplied _____ YES _____ NO
- X8.8.6** Is water level gauge control console mounted within the cab _____ YES _____ NO
- X8.8.7** Are water lines color coded _____ YES _____ NO
- X8.8.8** Is ball valve in filter inlet provided to prevent water loss while cleaning filter _____ YES _____ NO
- X8.8.9** Is filter easy to access and clean without tipping hopper _____ YES _____ NO
- X8.8.10** Is all water piping external to operator cab _____ YES _____ NO
- X8.8.11** _____ spray nozzles at each side broom for dust control provided _____ YES _____ NO
- X8.8.12** Are spray nozzles mounted on pivoting brackets _____ YES _____ NO
- X8.8.13** Inside the pick up head has _____ easily removable water spray nozzles _____ YES _____ NO
- X8.8.14** Suction hose has _____ easily removable spray nozzles _____ YES _____ NO
- X8.8.15** Is water flow to pick up head, suction hose, side brooms by twp (2) electric 12 volt, diaphragm type pumps or electric roller pump, belt driven cat triplex _____ YES _____ NO
- X8.8.16** Diaphragm type pumps provide _____ GPM @ _____ PSI combined _____ YES _____ NO, roller style Pump with up to _____ psi _____ YES _____ NO _____ or Cat Triplex style pump with up to _____ psi _____ YES _____ NO

- X8.8.17** Does each pump have two (2) flow rates controlled by the operator within cab
 _____ YES _____ NO
 OR
 Controlled with on/off switch and single flow rate
 _____ YES _____ NO
- X8.8.18** Is an additional spray bar mounted under the front bumper with cab controls provided for extreme sweeping conditions
 _____ YES _____ NO
- X8.8.19** Is water spray line to the center broom provided for increased dust suppression
 _____ YES _____ NO
- X8.8.20** Is quick disconnect for high pressure wash down easily accessible on right side of sweeper
 _____ YES _____ NO
- X8.9** Hydraulic System:
- X8.9.1** Hydraulic pump – gear driven
 _____ YES _____ NO
- X8.9.2** Hydraulic pump output _____ GPM @ _____ RPM
- X8.9.3** Reservoir capacity: _____ gallons
- X8.9.4** Does tank have exterior sight gauge
 _____ YES _____ NO
- X8.9.5** Is reservoir located within the enclosed auxiliary engine compartment
 _____ YES _____ NO
- X8.9.6** Do all hydraulic circuits have quick disconnect pressure check ports
 _____ YES _____ NO
- X8.9.7** Are all high pressure fittings “o” ring face seal type or JIC type
 _____ YES _____ NO
- X8.9.8** Are all hydraulic filters, air or fluid manufacturers standard
 _____ YES _____ NO
- X8.9.9** Electric/hydraulic auxiliary pump supplied to raise/lower the hopper, open/close hopper rear door without running auxiliary engine
 _____ YES _____ NO
- X8.10** Pneumatic System:
 Is it required _____ YES _____ NO
- X8.10.1** Is a PR4 type pressure protector for the chassis air system provided to protect system when pressures drop below 85 PSI
 _____ YES _____ NO
- X8.10.2** Do sweeper air components have separator air tank
 _____ YES _____ NO
- X8.10.3** Are all pneumatic cylinders rated to 150 psi and have a separate rod seal and wiper to prevent contamination entering the cylinder
 _____ YES _____ NO

- X8.10.4 Is each cylinder controlled by a single, two (2) position, solenoid valve mounted on a manifold with common input and exhaust _____ YES _____ NO
- X8.10.5 Is a poly carbonate bowl type filter used to filter out contamination of the air system _____ YES _____ NO
- X8.11 Electrical System:
- X8.11.1 Is sweeper electrical system separate of the chassis electrical system _____ YES _____ NO
- X8.11.2 Sweeper engine battery: number _____ CCA 12 volt battery _____ YES _____ NO
or share with truck chassis _____ YES _____ NO
- X8.11.3 Sweeper engine alternator _____ amp
- X8.11.4 Does sweeper have OSHA approved back up alarm _____ YES _____ NO
- X8.11.5 Does sweeper lighting include rear identification lights, side broom, and rear clearance lights
_____ YES - _____ NO
- X8.11.6 Do sweeper warning lights include hopper up and hopper full load _____ YES _____ NO
- X8.11.7 Is sweeper wiring harnesses color coded and function stamped every six (6) inches
_____ YES - _____ NO
- X8.11.8 Are all electrical circuits protected by manual re-settable circuit breakers
_____ YES _____ NO
- X8.11.9 Manufacturers recommended LED arrowboard rear mounted is provided _____ YES _____ NO
- X8.12 Controls:
- X8.12.1 All sweeper controls are mounted on a stationary central console that allows for use from either right or left positions _____ YES _____ NO
- X8.12.2 Controls include all sweep, spray water, and lighting functions _____ YES _____ NO
- X8.12.3 Are conventional rocker switches used to control sweep, spray water, and lighting functions
_____ YES _____ NO
- X8.12.4 Are controls for auxiliary engine ignition and throttle, side broom down pressure, and manual reset circuit breakers located in the control console _____ YES _____ NO

X8.13 Instruments:

X8.13.1 Sweeper engine instruments:

- X8.13.1.1 Tachometer _____ YES _____ NO
- X8.13.1.2 Hourmeter _____ YES _____ NO
- X8.13.1.3 Oil pressure _____ YES - _____ NO
- X8.13.1.4 Fuel _____ YES _____ NO
- X8.13.1.5 Voltage _____ YES _____ NO
- X8.13.1.6 Coolant temperature _____ YES _____ NO
- X8.13.1.7 Air intake restriction indicator _____ YES _____ NO
- X8.13.1.8 Raised hopper indicator _____ YES _____ NO
- X8.13.1.9 Full hopper indicator _____ YES _____ NO

X8.14 Accessories:

- X8.14.1 A 2 1/2 lb. fire extinguisher is provided _____ YES _____ NO
- X8.14.2 A hydrant wrench for fire hydrant to fill water is provided _____ YES _____ NO
- X8.14.3 A rear mounted flood light with cab control is provided _____ YES _____ NO
- X8.14.4 A sweep resume feature is provided _____ YES _____ NO

Does it include automatic pickup of side brooms and pickup head and return to idle when sweep resume control is activated or when truck transmission is put in reverse, and return to previous sweeping positions when transmission is taken out of reverse or sweep resume control is returned to sweeping position _____ YES _____ NO

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 exceed five percent of the total contract amount.

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

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, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, 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.

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

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

Vendor's Name: _____

Authorized Signature: _____ Date: _____