



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
708EC009

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 01/16/2008	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
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BID OPENING DATE: **02/13/2008** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	EA		765-61		
<p>SNOWPLOW (HYDRAULIC)</p> <p>TO PROVIDE 10 FOOT OR 11 FOOT POWER REVERSIBLE SNOWPLOW (HYDRAULIC) PER THE ATTACHED SPECIFICATIONS.</p> <p>THERE WILL BE A MANDATORY PRE-BID CONFERENCE AT THE STATE CAPITOL COMPLEX, BUILDING 15, 2019 WASHINGTON ST. EAST. CHARLESTON, WV 25305 AT 10:00 AM ON 01/31/08. FAILURE TO ATTEND THE PRE-BID WILL RESULT IN BID DISQUALIFICATION.</p> <p>QUESTIONS: WRITTEN QUESTIONS WILL BE ACCEPTED THROUGH CLOSE OF BUSINESS (5:00 PM EST.) ON MONDAY 01/28/2008. 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> <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</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>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> <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</p>						

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<p>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 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.</p>						

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<p>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 10</p> <p>REQUISITION NO.:</p> <p>ADDENDUM ACKNOWLEDGEMENT</p> <p>I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.</p> <p>ADDENDUM NO.'S:</p> <p>NO. 1</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>						

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<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> <p>..... DATE</p> <p>REV. 11/96</p> <p>VENDOR PREFERENCE CERTIFICATE</p> <p>CERTIFICATION AND APPLICATION* IS HEREBY MADE FOR PREFERENCE IN ACCORDANCE WITH WEST VIRGINIA CODE, 5A-3-37 (DOES NOT APPLY TO CONSTRUCTION CONTRACTS).</p> <p>A. APPLICATION IS MADE FOR 2.5% PREFERENCE FOR THE REASON CHECKED:</p> <p>() BIDDER IS AN INDIVIDUAL RESIDENT VENDOR AND HAS RESIDED CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR</p> <p>() BIDDER IS A PARTNERSHIP, ASSOCIATION OR CORPORATION RESIDENT VENDOR AND HAS MAINTAINED ITS HEAD-</p>						

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<p>QUARTERS OR PRINCIPAL PLACE OF BUSINESS CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR 80% OF THE OWNERSHIP INTEREST OF BIDDER IS HELD BY ANOTHER INDIVIDUAL, PARTNERSHIP, ASSOCIATION OR CORPORATION RESIDENT VENDOR WHO HAS MAINTAINED ITS HEADQUARTERS OR PRINCIPAL PLACE OF BUSINESS CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR</p> <p>() BIDDER IS A CORPORATION NONRESIDENT VENDOR WHICH HAS AN AFFILIATE OR SUBSIDIARY WHICH EMPLOYS A MINIMUM OF ONE HUNDRED STATE RESIDENTS AND WHICH HAS MAINTAINED ITS HEADQUARTERS OR PRINCIPAL PLACE OF BUSINESS WITHIN WEST VIRGINIA CONTINUOUSLY FOR THE FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION.</p> <p>B. APPLICATION IS MADE FOR 2.5% PREFERENCE FOR THE REASON CHECKED:</p> <p>() BIDDER IS A RESIDENT VENDOR WHO CERTIFIES THAT, DURING THE LIFE OF THE CONTRACT, ON AVERAGE AT LEAST 75% OF THE EMPLOYEES WORKING ON THE PROJECT BEING BID ARE RESIDENTS OF WEST VIRGINIA WHO HAVE RESIDED IN THE STATE CONTINUOUSLY FOR THE TWO YEARS IMMEDIATELY PRECEDING SUBMISSION OF THIS BID;</p> <p>OR</p> <p>() BIDDER IS A NONRESIDENT VENDOR EMPLOYING A MINIMUM OF ONE HUNDRED STATE RESIDENTS OR IS A NONRESIDENT VENDOR WITH AN AFFILIATE OR SUBSIDIARY WHICH MAINTAINS ITS HEADQUARTERS OR PRINCIPAL PLACE OF BUSINESS WITHIN WEST VIRGINIA EMPLOYING A MINIMUM OF ONE HUNDRED STATE RESIDENTS WHO CERTIFIES THAT, DURING THE LIFE OF THE CONTRACT, ON AVERAGE AT LEAST 75% OF THE EMPLOYEES OR BIDDERS' AFFILIATE'S OR</p>						

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ROADWAY

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<p>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 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>						

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<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". (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.: 708EC009</p> <p>BID OPENING DATE: 02/13/2008</p>						

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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 708EC009 ***** TOTAL:						_____

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WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
EQUIPMENT DIVISION

PROCUREMENT SPECIFICATIONS
NO. 021-2-C

OPEN END CONTRACT
10 FOOT OR 11 FOOT POWER REVERSIBLE SNOWPLOW (HYDRAULIC)

1.0 PURPOSE

It is the purpose of these specifications to describe a 10 Foot or 11 Foot Power Reversible Snowplow (Hydraulic) (hereinafter referred to as a "plow" 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 exceptions must be noted on the bidder's evaluation report and should be accompanied by supporting documentation/literature from the manufacturer. A summary of exceptions must be prepared by vendor on a separate attachment to the bidder's evaluation report labeled as "Exception to Specifications" and should be provided with the bid.** The state reserves the right to determine whether the stated exception does or does not reduce the quality and performance of the unit. Failure to provide information for any exceptions may be grounds for rejection of the bid. The state reserves the right to waive minor irregularities in bids or specifications in accordance with §148-1-4(f) of the WV Legislative Rules and Regulations.

3.2 MANDATORY SPECIFICATIONS

All specifications preceded by "shall and/or must" or are stated as a "minimum and/or maximum" are mandatory. Any bid failing to meet any mandatory item shall be immediately disqualified. Failure to respond in the appropriate evaluation section may also be grounds for immediate disqualification at the discretion of the State.

A mandatory pre-bid conference is scheduled for this equipment purchase as stated in the RFQ. Vendors having products with variations or exceptions in specified mandatory items are expected to address any such variations or exceptions during the pre-bid conference. **The State shall review and consider any such variation or exception, and may at its sole discretion, issue an addendum to change mandatory specifications deemed to be in the State's best interest. Bids from any vendor failing to attend the mandatory pre-bid shall be disqualified. Bids containing any variation or exception to a mandatory specification that was not addressed during the pre-bid conference and accepted by the issuance of an Addendum shall be disqualified.**

4.0 REPRESENTATIVE UNIT FOR TEST

The successful vendor must (if specified) provide DOH one (1) completed representative unit to be observed and evaluated on 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 135 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 45 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.**

Prices for the units shall be in quantities of 1-10, 11-20, 21-30, 31-40, 41-50, and 51 and over. However, for evaluation purposes, we will use quantities 1-10. 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 delivery. In addition, there must be 12 service, shop, or maintenance manuals; ten (10) to be distributed to the Districts and two (2) for the Equipment Division. Also, there must be 14 parts manuals; ten (10) to be distributed to the Districts and four (4) for Equipment Division use. CD ROM is preferred in lieu of parts manuals.

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

6.3 TRAINING:

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

Manufacturers and/or dealers shall be required to furnish the Training Academy with one (1) Operator's Manual 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 AND SUBMITTED WITH YOUR BID. (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:

The hydraulically reversible snowplow to be designed for mounting on a single axle or tandem dump truck. The snowplow to be capable of plowing to the right or left at an angle of approximately thirty-five degrees (35°) discharging snow to the right or left. It should have a center mounted trip spring leaving the plow area outside the reversing arc free for nesting close to the pushing vehicle. It should be a straight blade type with an integral type snow shield.

The hydraulic power for lifting and reversing will be supplied by the truck central hydraulic system; however, **the vendor shall supply the hose and fittings to connect both systems to the valve located under the front bumper.**

The blade to be the sectional type, made up of three (3) and four (4) foot sections to total 10 feet or 11 feet wide, having a tungsten carbide inserted cutting edge.

The snowplow to be a Valk RV1142 Reversible Snowplow or equal.

7.1 Moldboard:

7.1.1 Overall Width:

7.1.1.1 **OPTION #1 - 10 Foot**

7.1.1.2 **OPTION #2 - 11 Foot**

7.1.2 Overall Height: 42 Inches

7.1.3 **Moldboard Construction: 10 US GA. Steel minimum**

7.1.4 **Travel Arc: Thirty-five degrees (35°) minimum each way; total seventy degrees (70°).**

7.1.5 Moldboard eighteen (18) inch deep radius from leading edge to deepest part of moldboard face, resulting in approximately twenty-seven degree (27°) cutting edge angle from vertical.

7.1.6 Weight of Plow: 10 foot - 2000 pounds 11 foot – 2100 pounds

7.1.7 **Vertical Ribs: Minimum of six (6) vertical ribs, ½" by 3" formed steel with two (2) ribs at each hinge point.**

7.1.8 Snow Shield: An additional rubber snow shield to be provided. It should be approximately 5/16" x 12" belting and run the entire length of plow. Mounted in such a manner as not to add to overall plow height.

- 7.1.9 **To be reinforced with a minimum of six (6) vertical ribs** and approximately five (5) horizontal ribs, or reinforcing of equivalent strength, constructed of steel and spaced per manufacturer's heavy duty design.
- 7.1.10 To be reinforced at the top and bottom edges. Top of the moldboard to be reinforced with an integrally formed channel and the bottom to have a back up angle of not less than 4" x 3" x ½" angle gusseted.
- 7.2 Cutting Edge:
- 7.2.1 **The cutting edge shall be sectioned, standard AASHO punched, in three (3) foot and four (4) foot lengths.**
- 7.2.2 Blade Sections:
- 7.2.2.1 To be **minimum ½ inch thick by six (6) inches wide** having a GRADE WC cemented tungsten carbide insert of approximately 88 Rockwell A scale hardness.
- 7.2.2.2 The insert to be silver soldered on all sides of a milled slot near the center of the working edge.
- 7.2.2.3 The braze joint to have a transverse rupture strength of **345,000 PSI minimum**
- 7.2.2.4 **Blade section must be identifiable by manufacturer, name and part number stamped on the reverse side of each section.**
- 7.2.2.5 Wrap around curb guards to be mounted right and left side of plow
- 7.2.2.6 Curb guards to be 5/8 inch thick, approximately 6 inches high, and 8 inches long
- 7.3 Safety Trip Mechanism:
- 7.3.1 **Tripping mechanism must be attached to the trunnion on the semi-circle** and should be fully enclosed.
- 7.3.2 Springs: Dual enclosed cylinder type trip springs approximately 5/8" wire 6" diameter.
- 7.3.3 **Tripping mechanism shall be equipped with external cushion spring for absorbing shock when moldboard returns to normal plowing position.**
- 7.3.4 **The trip mechanism must hold the plow rigid in the plowing position and trip automatically when the cutting edge comes in contact with an obstruction then return to normal plowing position.**
- 7.4 Push Frame:
- 7.4.1 **Push frame shall be of all welded construction designed per manufacturer's heavy duty specifications.**

- 7.4.2 Moldboard to push frame connection to be by a **minimum of three (3) hinges.**
- 7.4.3 **The plow push frame shall be equipped with an oscillating feature to permit the plow to follow uneven road surfaces.**
- 7.4.3.1 **Push frame shall be equipped with a quick hitch connection system.**
- 7.4.4 Hydraulic Power Reversing Mechanism:
- 7.4.4.1 To consist of two (2) double acting positive locking power reversing hydraulic cylinders fitted with the fixed base end in the center of the push frame.
- 7.4.4.2 The cylinders to be approximately four (4) inches inside diameter and to be piped to utilize power of both cylinders on every turn.
- 7.4.4.3 **Hydraulic power reverse mechanism shall include a dual cross-over relief cushion valve rated at a minimum of 40 G.P.M.**
- 7.4.5 Skid Shoes:
- 7.4.5.1 Caster mounted carbide mushroom type shoes, **one (1) each side shall be provided.**
- 7.4.5.2 **Manufacturer's standard adjusting mechanism shall be included.**
- 7.5 Hitch:
- 7.5.1 Designed as a universal heavy duty type unit to carry plows of weight specified when mounted on **32,000 pound class trucks minimum.**
- 7.5.2 **The hitch shall be a bumper to axle type universally adaptable to any conventional truck and to accommodate the tilt front end on the carrier.**
- 7.5.2.1 **Hitch shall be manufacturers quick hitch connection system for easy hook and unhook from plow push frame.**
- 7.5.2.2 Hitch to include a lift system designed at a **rated capacity of 8,000 lbs minimum.**
- 7.5.3 Hitch to Bumper Attachment:
- 7.5.3.1 To be made by bolting approximately ½" x 2 ½" x 6" x 45" piece of steel angle to the channel bumper.
- 7.5.3.2 Approximately six (6) inch flange is vertical on front of the bumper with approximately two and one-half (2 ½) inch flange resting on top.

- 7.5.3.3 Ears or lugs must be welded to the vertical plane of the angle to facilitate attachment of the main body of the hitch.**
- 7.5.3.4 The axle end of the hitch shall be attached to the front axle by means of clamping arrangement.**
- 7.5.3.5 The axle clamp must allow longitudinal motion but not vertical and horizontal motion so as to stabilize the hitch.**
- 7.5.4 The horizontal and vertical frames shall be constructed of four (4) inch structural steel "H" beams or equal, properly gusseted and welded.**
- 7.6 Hydraulic System: Hydraulic pressure will be supplied from the truck central hydraulic system through a lift valve and reversing valve (main bank valve) to the plow lift and reversing cylinders. The vendor shall be required to supply the following hydraulic components:**
- 7.6.1 One (1) 3" lift cylinder with 10" stroke double-acting hydraulic lift cylinder (even if we only use one (1) line fitting in upper end with breather), clevis pinned top and bottom.**
- 7.6.2 Two (2) four (4) inch double acting hydraulic reversing cylinders**
- 7.6.3 Three (3) pieces of two (2) wire hydraulic pressure hose one-quarter (1/4) inch diameter and approximately ten (10) feet long. Each hose must be equipped with:**
- 7.6.3.1 One (1) quick coupler at plow end with dust caps. Prefer Snap-Tite Couplers VHN-8 Nipple Hose, VHN-8 Nipple Reverse Cylinder, VHC-8 Nipple Reverse Cylinder 90° Fitting.**
- 7.6.3.2 Two (2) crimp-type hose fittings with male JIC 370 threads. One (1) to mate with swivel and the other to mate with quick coupler.**
- 7.6.3.3 One (1) JIC 370 - swivel - 90°elbow/male JIC 370.**
- 7.6.3.4 One (1) adaptor to mate bank valve port to JIC swivel.**
- 7.7 Unit shall include all other features considered as standard equipment but not specifically addressed above.**
- 7.8 Vendor must certify that snowplow offered will comply with Occupational Safety and Health Act of 1970 and subsequent amendments.**

- 7.9 It is the intention of the West Virginia Division of Highways to secure a close fitting, simple, reversible snowplow that will be designed to operate as close as possible to the vehicle pushing it, to maintain truck balance within reasonable limits.

Key features for acceptability will be a relatively light weight compact unit. Lift by cable acceptable providing side shifting of cable is not impeded by lift point device.

Vendors are cautioned that a push frame and/or hitch assembly designed without regard to overall distance of truck to front of plow which would jeopardize truck balance may be judged as not conforming to these specifications.

- 7.10 Paint: The entire unit to be painted in accordance with West Virginia Division of Highways requirements as follows:
- 7.10.1 The entire unit to be sandblasted and thoroughly cleaned, free of rust, grease, and scale.
 - 7.10.2 The complete assembly to receive one (1) coat of metal sealer primer.
 - 7.10.3 The front of the plow to be given one (1) undercoat and one (1) finish coat of Federal Yellow (No. 93-6578) DuPont Deluxe equipment enamel or equal quality paint of other manufacturer.
 - 7.10.4 The rear of the plow to be given one (1) undercoat and one (1) finish coat of manufacturer's standard Black (Flat) equipment enamel.
 - 7.10.5 The push frame and hitch to be given one (1) undercoat and one (1) finish coat of Martin Senour Dark Red Blue, #99N38076 or equal. **Complete coverage of the push frame and hitch is mandatory.**
- 7.11 **Advertising: Manufacturer shall attach a metal plate on the reverse side of moldboard stating manufacturer, series or model number, size and type of blade (approximately six (6) inch to eight (8) inch square). Date of manufacture shall also be stamped on the plate or the moldboard. No large decals or painted advertisement are permitted.**
- 7.12 All loose hardware to be in a separate container for each plow and shipped with each plow.

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
EQUIPMENT DIVISION

BIDDER'S EVALUATION REPORT

PROCUREMENT SPECIFICATIONS
NO. 021-2-C

OPEN END CONTRACT
10 FOOT OR 11 FOOT POWER REVERSIBLE SNOWPLOW (HYDRAULIC)

NOTE TO BIDDER: Procurement Specification No. 021-2-C, 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

X5.0 AWARD CRITERIA;

OPTION #1 – 10 FOOT

X5.1	Prices for plows in quantities of	1-10	_____	per unit
		11-20	_____	per unit
		21-30	_____	per unit
		31-40	_____	per unit
		41-50	_____	per unit
		51 and over	_____	per unit

OPTION #2 – 11 FOOT

X5.1	Prices for plows in quantities of	1-10	_____	per unit
		11-20	_____	per unit
		21-30	_____	per unit
		31-40	_____	per unit
		41-50	_____	per unit
		51 and over	_____	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

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:

Have you completed and submitted "Warranty and Service Policy Questionnaire" with your bid?
_____ YES _____ NO

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. by the manufacturer. The Division will have the sole discretion as to whether the bidder's substitution meets the requirements of the specifications.

Is the snowplow designed for mounting on a single axle or tandem dump truck
_____ YES _____ NO

Is the snowplow capable of plowing to the right or left at and angle approximately 35° discharging to the right or left
_____ YES _____ NO

Does it have a center mounted trip spring leaving the plow area outside the reversing arc free for nesting close to the pushing vehicle
_____ YES _____ NO

Is it a straight blade type with an integral type snow shield
_____ YES _____ NO

Will you supply the hose and fittings to connect both systems to the valve located under the front bumper
_____ YES _____ NO

Is the blade section type, made up of three (3) and four (4) foot sections to total 10 feet or 11 feet wide, having a tungsten carbide inserted cutting edge
_____ YES _____ NO

Manufacturer: _____

Model: _____

X7.1 Moldboard:

X7.1.1 Overall Width:

X7.1.1.1 **OPTION #1** – 10 Foot YES NO

X7.1.1.2 **OPTION #2** – 11 Foot YES NO

X7.1.2 Overall height: _____ inches

X7.1.3 **Moldboard construction:** _____ **U.S. Gauge**

X7.1.4 **Travel arc:** _____ ° **each way; total** _____ °

X7.1.5 Radius from leading edge to deepest part of moldboard face _____ inches deep.

Cutting edge angle from vertical _____ degrees

X7.1.6 Weight of plow: 10 foot _____ Lbs. 11 foot _____ Lbs.

X7.1.7 **Number of vertical ribs** _____ **Formed steel** _____

How many ribs at each hinge point? _____

X7.1.8 Is an additional rubber snow shield provided? YES NO

Size of belting _____ Run entire length of plow? YES NO

Mounted so it won't add to overall height? YES NO

X7.1.9 Reinforcement constructed of steel and spaced per manufacturer's heavy duty design?

YES NO

Number of vertical ribs: _____ **Number of horizontal ribs:** _____

X7.1.10 Reinforced at top and bottom edges? YES NO

Top of moldboard reinforced with integrally formed channel? YES NO

Bottom back up angle _____ x _____ x _____ angle gusseted.

X7.2 Cutting Edge:

X7.2.1 **Sectioned, standard AASHO punched, in three (3) foot and four (4) foot lengths?**

YES NO

X7.2.2 Blade Sections:

X7.2.2.1 _____ inch thick by _____ inches wide having a Grade WC cemented tungsten carbide insert of approximately 88 Rockwell A scale hardness?

_____ YES _____ NO

X7.2.2.2 Insert silver soldered on all sides of a milled slot near the center of the working edge?

_____ YES _____ NO

X7.2.2.3 Braze joint transverse rupture strength: _____ PSI

X7.2.2.4 **Blade section identifiable by manufacturer, name and part number stamped on the reverse side of each section?**

_____ YES _____ NO

X7.2.2.5 Will wrap around curb guards be mounted on right and left side of plow

_____ YES _____ NO

X7.2.2.6 Curb guards are _____ inch thick, _____ inches high and _____ inches long

X7.3 Safety Trip Mechanism:

X7.3.1 **Tripping mechanism attached to trunnion on semi-circle and fully enclosed?**

_____ YES _____ NO
_____ YES _____ NO

X7.3.2 Are springs dual enclosed cylinder type trip springs? _____ YES _____ NO

_____ inch wire _____ inch diameter

X7.3.3 **Is tripping mechanism equipped with external cushion spring for absorbing shock?**

_____ YES _____ NO

X7.3.4 **Does the trip mechanism hold the plow rigid in plowing position and trip automatically when cutting edge comes in contact with an obstruction then returns to normal plowing position?**

_____ YES _____ NO

X7.4 Push Frame:

X7.4.1 **All welded construction designed per manufacturer's heavy duty specifications?**

_____ YES _____ NO

X7.4.2 **Number of hinges in moldboard to push frame connection?** _____

X7.4.3 **Equipped with an oscillating feature to permit plow to follow uneven road surfaces?**

_____ YES _____ NO

X7.4.3.1 **Is push frame equipped with a quick hitch connection system?**

_____ YES _____ NO

X7.4.4 Hydraulic Power Reversing Mechanism:

X7.4.4.1 Consist of two (2) double acting positive locking power reversing hydraulic cylinders fitted with the fixed base end in the center of the push frame? YES NO

X7.4.4.2 Cylinders four (4) inches inside diameter and piped to utilize power of both cylinders on every turn? YES NO

X7.4.4.3 Does hydraulic power reverse mechanism include a dual cross-over relief cushion valve? YES NO

Rated at _____ GPM

X7.4.5 Skid Shoes:

X7.4.5.1 Are caster mounted carbide mushroom type shoes included? YES NO

One on each side YES NO

X7.4.5.2 Manufacturer's standard adjusting mechanism included? YES NO

X7.5 Hitch:

X7.5.1 Universal heavy duty type designed to carry plows of weight specified when mounted on a **32,000 pound class truck minimum**? YES NO

X7.5.2 Bumper to axle type universally adaptable to any conventional truck and to accommodate a tilt front end on the carrier? YES NO

X7.5.2.1 Is hitch manufacturers quick hitch connection system for easy hook and unhook from plow push frame? YES NO

X7.5.2.2 Does hitch include a lift system YES NO

Designed at a rated capacity of _____ lbs.

X7.5.3 Hitch to Bumper Attachment:

X7.5.3.1 Size of steel angle bolted to the channel bumper? _____

X7.5.3.2 Size of vertical flange on front of bumper? _____ Inches

Size of flange resting on top _____ Inches

X7.5.3.3 Ears or lugs welded to the vertical plane of the angle to facilitate attachment of the main body of the hitch? YES NO

X7.5.3.4 Axle end of hitch attached to the front axle by means of clamping arrangement? YES NO

X7.5.3.5 Axle clamp allows longitudinal motion but not vertical and horizontal motion?
 _____ YES _____ NO

X7.5.4 Are the horizontal and vertical frames constructed of four (4) inch structural steel "H" beams or equal and properly gusseted and welded?
 _____ YES _____ NO

X7.6 Hydraulic System:
Will you supply the following hydraulic components _____ YES _____ NO

X7.6.1 Provide one (1) 3" lift cylinder with 10" stroke double-acting hydraulic lift cylinder, clevis pinned top and bottom?
 _____ YES _____ NO

X7.6.2 Provide two (2) four (4) inch double acting hydraulic reversing cylinders?
 _____ YES _____ NO

X7.6.3 Provide three (3) pieces of two (2) wire hydraulic pressure hose one-quarter (1/4) inch diameter by approximately ten (10) feet long?
 _____ YES _____ NO

Is each hose equipped with the following _____ YES _____ NO

X7.6.3.1 Each hose equipped with one (1) quick coupler at plow end with dust cap?
 _____ YES _____ NO
 Manufacturer/Model: _____

X7.6.3.2 Each hose equipped with two (2) crimp-type fittings with male JIC 370 threads (one (1) to mate with swivel and the other to mate with quick coupler)? _____ YES _____ NO

X7.6.3.3 Each hose equipped with one (1) JIC 370 - swivel - 90°elbow/male JIC 370?
 _____ YES _____ NO

X7.6.3.4 Each hose equipped with one (1) adaptor to mate bank valve port to JIC swivel?
 _____ YES _____ NO

X7.7 Other Standard Features:

List other standard features offered and not addressed above:

X7.8 Does the proposed unit meet or exceed the OSHA of 1970 and/or subsequent changes?
 _____ YES _____ NO

X7.9 Is push frame and/or hitch assembly designed with regard to overall distance of truck to front of plow which would jeopardize truck balance?
 _____ YES _____ NO

X7.10 Paint:**X7.10.1 – X7.10.4 Describe proposed method of painting the unit:** _____

Will unit be sandblasted prior to painting? _____ YES _____ NO

X7.10.5 Paint and undercoat for push frame and hitch _____**Will push frame and hitch be completely covered** _____ YES _____ NO**X7.11 Does the unit conform to the advertising guidelines?** _____ YES _____ NO**X7.12 Will all loose hardware be in separate containers for each plow and be shipped with each plow?**
_____ 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: _____