



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

***709051756 304-346-5301**
WV TRACTOR COMPANY
PO BOX 473

CHARLESTON WV 25322

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

DATE PRINTED 04/02/2008	TERMS OF SALE Net 30 Days	SHIP VIA Truck	F.O.B. Buckhannon	FREIGHT TERMS Prepaid
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	\$144,444	
<p>ELGIN 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>						

RECEIVED
2008 MAY 28 P 12:55
PURCHASING DIVISION
STATE OF WEST VIRGINIA

SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE <i>Michael Austin</i>	TELEPHONE 346-5301	DATE 5/27/08	
TITLE President	FEIN 50621655	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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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
<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.: 708EC012</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 .x. <i>AWG</i></p> <p>NO. 2 .x. <i>AWG</i></p> <p>NO. 3 .x. <i>AWG</i></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>..... <i>[Signature]</i> SIGNATURE</p> <p>..... West Virginia Tractor Company COMPANY</p>						

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LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
					5/27/08 DATE	
					REV. 11/96	
					VENDOR PREFERENCE CERTIFICATE	
					CERTIFICATION AND APPLICATION* IS HEREBY MADE FOR PREFERENCE IN ACCORDANCE WITH WEST VIRGINIA CODE, 5A-3-37 (DOES NOT APPLY TO CONSTRUCTION CONTRACTS).	
					A. APPLICATION IS MADE FOR 2.5% PREFERENCE FOR THE REASON CHECKED:	
					() BIDDER IS AN INDIVIDUAL RESIDENT VENDOR AND HAS RESIDED CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR	
					(xx) BIDDER IS A PARTNERSHIP, ASSOCIATION OR CORPORATION RESIDENT VENDOR AND HAS MAINTAINED ITS HEAD-QUARTERS OR PRINCIPAL PLACE OF BUSINESS CONTINUOUSLY I WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR 80% OF THE OWNERSHIP INTEREST OF BIDDER IS HELD BY ANOTHER INDIVIDUAL, PARTNERSHIP, ASSOCIATION OR CORPORATION RESIDENT VENDOR WHO HAS MAINTAINED ITS HEADQUARTERS OR PRINCIPAL PLACE OF BUSINESS CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR	
					() BIDDER IS A CORPORATION NONRESIDENT VENDOR WHICH HAS AN AFFILIATE OR SUBSIDIARY WHICH EMPLOYS A MINIMUM OF ONE HUNDRED STATE RESIDENTS AND WHICH	

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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>(xx) BIDDER IS A RESIDENT VENDOR WHO CERTIFIES THAT, DURING THE LIFE OF THE CONTRACT, ON AVERAGE AT LEAST 75% OF THE EMPLOYEES WORKING ON THE PROJECT BEING BID ARE RESIDENTS OF WEST VIRGINIA WHO HAVE RESIDED IN THE STATE CONTINUOUSLY FOR THE TWO YEARS IMMEDIATELY PRECEDING SUBMISSION OF THIS BID; OR () 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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<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: West Virginia Tractor Company</p> <p>DATE: 5/27/08</p> <p>SIGNED: <i>Grady Grady</i></p> <p>TITLE: President</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>CONTACT PERSON (PLEASE PRINT CLEARLY): ----- Gary Grady -----</p>						
<p>***** THIS IS THE END OF RFQ 708EC012 ***** TOTAL:</p>						_____

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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.

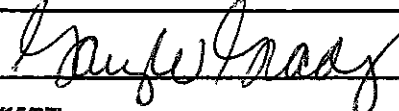
EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a 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: West Virginia Tractor Company

Authorized Signature:  Date: 5/27/08



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

*709051756 304-346-5301

WV TRACTOR COMPANY
 PO BOX 473

CHARLESTON WV 25322

VENDOR

SHIP TO

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

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
05/02/2008	Net 30 Days	Truck	Buckhannon	Prepaid
BID OPENING DATE: 05/21/2008		BID OPENING TIME: 01:30PM		

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
				ADDENDUM NO. 1		
				BID OPENING DATE AND TIME CHANGED		
				FROM: 05/07/08 AT 1:30 P.M.		
				TO: 05/21/08 AT 1:30 P.M.		
				NO OTHER CHANGES		
0001		EA		765-77		
	1			ELGIN AIR STREET SWEEPER		
***** THIS IS THE END OF RFQ 708EC012 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
<i>Gayle Gray</i>	346-5301	5/27/08
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE
President	550621655	

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



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

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 PO BOX 473

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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
05/15/2008	Net 30 Days	Truck	Buckhannon	Prepaid
BID OPENING DATE: 05/28/2008		BID OPENING TIME: 01:30PM		

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 2						
BID OPENING DATE AND TIME CHANGED						
FROM: 05/21/08 AT 1:30 P.M.						
TO: 05/28/08 AT 1:30 P.M.						
NO OTHER CHANGES						
0001	1	EA		765-77		
	ELGIN					
	AIR STREET SWEEPER					
***** THIS IS THE END OF RFQ 708EC012 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
<i>[Signature]</i>	346-5301	5/27/08
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE
President	550621655	

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



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

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VENDOR

*709051756 304-346-5301
 WV TRACTOR COMPANY
 PO BOX 473
 CHARLESTON WV 25322

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
05/19/2008	Net 30 Days	Truck	Buckhannon	Prepaid
BID OPENING DATE:	05/28/2008	BID OPENING TIME	01:30PM	

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
				ADDENDUM NO. 3		
				CHANGES TO THE SPECIFICATIONS PER THE ATTACHED.		
				BID OPENING DATE REMAINS 05/28/08 AT 1:30 P.M.		
				NO OTHER CHANGES.		
0001	1	EA		765-77		
				ELGIN AIR STREET SWEEPER		
				***** THIS IS THE END OF RFQ 708EC012 ***** TOTAL:		

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
<i>Paul W. Gray</i>	346-5301	5/27/08
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE
President	50621655	

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

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.: 708EC012

Bidder's Name: West Virginia Tractor Company

Address: P.O. Box 473 Charleston, WV 25322

Telephone Number: 346-5301

Years Bidder has been registered to do business with the State of West Virginia: 26 YRS.

Years Company has been an authorized dealer for proposed unit: 51 YRS.

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

X4.2 DELIVERY:

X4.2.1 Delivery date of completed representative unit: 15 Calendar Days After
Receipt of Purchase Agreement

X4.2.2 Delivery date of balance of completed units: 90 Calendar Days After Receipt of
Purchase Agreement

X5.0 AWARD CRITERIA;

X5.1 Price for each unit: \$144,444 _____

X6.0 SPECIFICATIONS - GENERAL

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

Elgin Crosswind J+ 2008 model and later as ordered
Is descriptive literature, fully describing proposed unit attached to your bid? YES NO

If not, why? _____

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

YES NO

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

X6.2
2-10-00

EQUIPMENT PREVENTATIVE MAINTENANCE QUESTIONNAIRE

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

DESCRIPTION: _____ 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:

Two years parts and labor on entire machine. Some of the truck components carry longer
warranties as shown on the attached.

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: International Model: 4300

X7.1 GVW Plate Rating: 33,000 Lbs.

X7.2 Cab to Axle dimensions: Distance from centerline of the rear axle to the rear of the sweeper without the wandering hose 47 inches

X7.3 Wheelbase: 158 inches

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

X7.4.1 Frame steel: 80,000 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 12 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 1 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
Rear YES NO
- X7.5.19 Emergency triangle warning kit, with hold down stowed in the cab YES NO
Manufacturer and Part No. Grote 71422
- 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: 210 HP @ 2200 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: 1250 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 Extended life OAT 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: 1500 AMPS
- X7.9.3 Alternator Capacity: 130 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: Allison 2500RDS 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: 21,000 Lbs.
- X7.11.2 Rear Spring Capacity: 23,500 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: 12,000 lbs. I beam type
- X7.12.2 Front spring capacity: 12,000 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: 13.2 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: Bendix AD-9
- 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: 22.5 X8.25
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: Elgin Sweeper Company Model: Crosswind J+

X8.1 Water Tank:

X8.1.1 Tank capacity 240 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: John Deere 4045TF275

X8.2.2 Horsepower: 115 HP @ 2500 RPM ; torque 291 lb ft @ 1400 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 Extended Life OAT 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 20,000 CFM by an independent test facility YES NO
Have you attached the documentation YES NO
- X8.3.2** Operation speed of the fan up to 4000 RPM – Operating speeds vary
- X8.3.3** Is blower of the closed or open face turbine type YES NO
Number of vans 9 diameter 31 3/8"
- 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: 90 inches
- X8.4.4** High: 30 inches – long front to back plus center broom
- X8.4.5** Total area: 2700 square inches – plus area for center broom
- X8.4.6** Diameter pressure hose between blower outlet with pickup head 14 inch
Is transition hose urethane YES NO
- X8.4.7** Diameter suction hose with quick disconnect 12.75 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 90 inches plus 15" center broom section
- X8.4.10.2** One (1) side broom and pick up head 117 inches
- X8.4.10.3** Two (2) side broom and pick up head 144 inches
- X8.4.11** Is pick up head equipped with side mounted adjustable steel runners with carbide inserts YES NO
Width: 1 1/8 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 79 inches long
- X8.4.13.3** Center broom 10 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 42 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 6045 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 8 cubic yards
- X8.6.2 Construction: 10 gauge steel sides, 1/4 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 50 °
- X8.6.5 Dump angle achieved by use of 2 stage telescopic cylinder or dual hydraulic cylinders YES NO
- X8.6.6 Floor angle 10 °
- 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 90 ° angle
- X8.6.10 Right hand side (passenger side) of hopper has hydraulic valve levers to operate hydraulic cylinder movement Add YES NO
- X8.6.11 Hopper rear door has internal door prop Add 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 3000 square inches

- X8.6.16 Hopper screen material 11 gauge steel
- X8.6.17 8 inch inside diameter by 9.5 foot long hydraulic wandering hose located at rear of unit for cleaning catch basins is provided YES NO
- X8.6.18 An 8 inch diameter by 5.5 foot long catch basin nozzle with water injection and quick clamp is provided YES NO
- An additional 8 inch diameter by 4 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: Life 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 240 gallons
- X8.8.2** Construction : Rust proof polyethylene
- 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 16'8" 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** 3 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 7 easily removable water spray nozzles
Plus 4 nozzles in center broom section YES NO
- X8.8.14** Suction hose has 3 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 6 GPM @ 30 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
High pressure wash down not provided YES NO
- X8.9** Hydraulic System:
- X8.9.1** Hydraulic pump – gear driven YES NO
- X8.9.2** Hydraulic pump output 7.7 GPM @ 2500 RPM
- X8.9.3** Reservoir capacity: 23 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 995 CCA 12 volt battery YES NO
or share with truck chassis YES NO
- X8.11.3 Sweeper engine alternator 95 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

TRUCK MOUNTED REGENERATIVE AIR STREET SWEEPER

708EC012
ADDENDUM #1

(AFTER DISCUSSION WITH MANAGEMENT ON THE ISSUES OF CONCERN OF ALL FOUR (4) VENDORS PRESENT AT THE PREBID MEETING, ATTACHED IS THE ADDENDUM)

CHANGES TO BIDDER'S EVALUATION REPORT:

ADD:

X4.0 REPRESENTATIVE UNIT FOR TEST

Will you provide one (1) completed representative unit to be observed and evaluated on each order to insure compliance with specification YES NO

ADD:

X6.2 OPERATING AND SERVICE MANUALS AND PARTS LISTS
(LAST PARAGRAPH – LAST SENTENCE ONLY)

Will a CD Rom for truck and sweeper be furnished in lieu of parts or service manuals YES NO

LEAVE AS WRITTEN:

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:

Two years parts and labor as per attached warranty statements. Please note that some

truck components have more than two years warranty. _____

TRUCK MOUNTED REGENERATIVE AIR STREET SWEEPER

708EC012
ADDENDUM #1

(AFTER DISCUSSION WITH MANAGEMENT ON THE ISSUES OF CONCERN OF ALL FOUR (4) VENDORS PRESENT AT THE PREBID MEETING, ATTACHED IS THE ADDENDUM)

CHANGES TO BIDDER'S EVALUATION REPORT:

ADD:

X4.0 REPRESENTATIVE UNIT FOR TEST

Will you provide one (1) completed representative unit to be observed and evaluated on each order to insure compliance with specification YES NO

ADD:

X6.2 OPERATING AND SERVICE MANUALS AND PARTS LISTS
(LAST PARAGRAPH – LAST SENTENCE ONLY)

Will a CD Rom for truck and sweeper be furnished in lieu of parts or service manuals YES NO

LEAVE AS WRITTEN:

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:

Two years parts and labor

FROM:

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: _____

TO:

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: International Model: 4300

Is it the cab over truck design YES x NO but it has a shorter turn radius than the cab over design due to the sweeper design.

LEAVE AS WRITTEN:

X7.2 Cab to Axle Dimensions: Distance from centerline of the rear axle to the rear of the sweeper without the wander hose 158 inches

LEAVE AS WRITTEN:

X7.4.1 Frame steel: 80,000 psi

LEAVE AS WRITTEN:

X7.5 Cab: Maximum visibility, forward line of sight from the chassis front bumper to the point on the ground visible to the operator 12 feet for an ASE 98th percentile size operator

LEAVE AS WRITTEN:

X7.5.18 Front mudflaps are manufacturers standard for unit bid REAR YES NO

FROM:

X7.6 Engine:

TO:

X7.6 Engine:

Will you supply justification for changes to future engine emission requirements
 YES NO

LEAVE AS WRITTEN:

X7.6.1 Diesel engine: 210 HP @ 2200 RPM

LEAVE AS WRITTEN:

X7.10 Transmission: Allison 2500 RDS 5 speed with overdrive YES NO

FROM:

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

TO:

X7.11 Rear Axle: Is it two (2) speed with ratios of 5.29 to 5.86/7.21 to 8.17:1 for proper sweeping and transport speeds YES NO

LEAVE AS WRITTEN:

X7.11.4 Is unit equipped with manufacturers heavy duty rear shock absorbers YES NO
Are they required YES NO

LEAVE AS WRITTEN:

X7.12.1 Capacity: 12,000 lbs. I beam type

LEAVE AS WRITTEN:

X7.12.2 Front spring capacity: 12,000 lbs.

ADD:

X7.20 Will you furnish temporary license and inspection sticker YES NO

LEAVE AS WRITTEN:

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: Elgin Sweeper Company Model: Crosswind J+

LEAVE AS WRITTEN:

X8.2.2 Horsepower: 115 HP @ 2500 RPM; torque 291 lb. ft @ 1400 RPM

FROM:

X8.2.6 Does the sweeper engine drive the blower fan by a heavy duty five (5) "V" groove power belt YES NO

TO:

X8.2.6 Does the sweeper engine drive the blower fan by a heavy duty five (5) "V" groove power belt YES NO or by gearbox drive YES NO

LEAVE AS WRITTEN:

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

LEAVE AS WRITTEN:

X8.3.3 Is blower of the closed or open face turbine type YES NO

Number of vanes 9 diameter 31 3/8"

LEAVE AS WRITTEN:

X8.3.4 Blower constructed of abrasion resistant steel YES NO

LEAVE AS WRITTEN:

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

LEAVE AS WRITTEN:

X8.3.6 Does blower housing have an inspection door (air exhaust opening) YES NO

LEAVE AS WRITTEN:

X8.3.7 Is blower mounted and supported on both sides by heavy duty greasable bearing YES NO

LEAVE AS WRITTEN:

X8.3.8 Are bearings greasable from ground level without tilting the hopper YES NO

FROM:

X8.4.4 High: _____ inches

TO:

X8.4.4 Front to back: 30 inches

LEAVE AS WRITTEN:

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

FROM:

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

TO:

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

Unless gutter brooms move in from both sides to sweep directly in front of regan head _____ YES _____ NO

Both side brooms moved in do not cover the same area or serve the same purpose as a center broom mounted in the rear of the pick up head.

FROM:

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

TO:

X8.5.1 Right and left broom are of a free floating trailing arm design for free floating forward facing digger style design to prevent damage when sweeping and encountering fixed obstacles YES _____ NO

FROM:

X8.5.9 Does transport hook hold side broom assemblies in storage position ___ or hydraulic lock in system ___

TO:

X8.5.9 Does transport hook hold side broom assemblies in storage position or Hydraulic lock in system ___ or pneumatic lock system ___

FROM:

X8.5.12 Does right broom tilt inward and outward from cab while sweeping by means of electrically controlled linear actuator YES NO

TO:

X8.5.12 Does right broom tilt inward and outward from cab while sweeping by means of electrically controlled linear actuator YES NO or by means of a hydraulic cylinder YES NO

LEAVE AS WRITTEN:

X8.6.4 Dump angle 50 °

LEAVE AS WRITTEN:

X8.6.5 Dump angle achieved by use of 2 stage telescopic cylinder or dual hydraulic cylinders YES NO

LEAVE AS WRITTEN:

X8.6.7 Abrasion resistant "scoop" style steel deflector located at the suction inlet to direct material to the center of hopper YES NO

LEAVE AS WRITTEN:

X8.6.9 Hopper rear door opening 90 ° angle

FROM:

X8.6.10 Right hand side (passenger side) of hopper has hydraulic valve levers to operate hydraulic cylinder movement YES NO

TO:

X8.6.10 Right hand side (passenger side) YES NO OR
left hand side YES NO
of hopper has hydraulic valve levers YES NO OR
switches YES NO
to operate hydraulic cylinder movement YES NO

FROM:

X8.6.11 Hopper rear door has internal door prop YES NO

TO:

X8.6.11 Hopper rear door has internal ___ or external door prop

LEAVE AS WRITTEN:

X8.6.18 An 8 inch diameter by 5.5 foot long catch basin nozzle with water injection and quick clamp is provided YES ___ NO

An additional 8 inch diameter by 4 foot aluminum extension with quick clamps is provided YES ___ NO

FROM:

X8.6.19 Is a push button finger tip hydraulic control on the nozzle handles to raise and lower nozzle provided ___ YES ___ NO

TO:

X8.6.19 Is a push button finger tip hydraulic or pneumatic control ___ on the nozzle handles to raise and lower nozzle to be supplied YES ___ NO

FROM:

X8.6.21 Is hopper hose heavy duty rubber ___ YES ___ NO

TO:

X8.6.21 Is hopper hose woven heavy duty rubber YES ___ NO

Thickness: .38 inches

LEAVE AS WRITTEN:

X8.6.23 Does right side (curb side) of hopper have inspection door YES ___ NO

LEAVE AS WRITTEN:

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

LEAVE AS WRITTEN:

X8.6.27 Have you used any bare steels including stainless steels ___ YES NO

NO CHANGED REQUIRED:

X8.6.28 Does protection system provide protection such that the hopper will be warranted for life of sweeper YES NO

Manufacturer of liner: Life Liner

LEAVE AS WRITTEN:

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

LEAVE AS WRITTEN:

X8.8.7 Are water lines color coded YES NO

LEAVE AS WRITTEN:

X8.8.11 3 spray nozzles at each side broom for dust control provided YES NO

LEAVE AS WRITTEN:

X8.8.13 Inside the pick up head has 7 easily removable water spray nozzles Plus 4 in center broom section YES NO

LEAVE AS WRITTEN:

X8.8.14 Suction hose had 3 easily removable spray nozzles YES NO

FROM:

X8.8.15 Is water flow to pick up head, suction hose, side brooms by two (2) electric 12 volt, diaphragm type pumps or electric roller pump, belt driven cat triplex YES NO

TO:

X8.8.15 Is diaphragm or roller style pump provided for standard dust suppression YES NO

DELETE:

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

LEAVE AS WRITTEN:

X8.8.18 Is an additional spray bar mounted under the front bumper with cab controls provided for extreme sweeping conditions YES NO

LEAVE AS WRITTEN:

X8.8.19 Is water spray line to the center broom provided for increased dust suppression YES NO

DELETE:

X8.8.20 Is quick disconnect for high pressure wash down easily accessible on right side of sweeper YES NO

LEAVE AS WRITTEN:

X8.9.5 Is reservoir located within the enclosed auxiliary engine compartment YES NO

FROM:

X8.10.2 Do sweeper air components have separator air tank YES NO

TO:

X8.10.2 Do sweeper air components have separator air tank YES NO
Is it needed YES NO

LEAVE AS WRITTEN:

X8.11.7 Is sweeper wiring harnesses color coded and function stamped every six (6) inches YES NO

LEAVE AS WRITTEN:

X8.11.9 Manufacturers recommended LED arrowboard rear mounted is provided YES NO

LEAVE AS WRITTEN:

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

FROM:

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

TO:

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 or sweeps in reverse vacuum head with automatic pick up of side brooms when truck is placed in reverse

YES NO

ADD:

X8.14.5 Mounted tool box for tool storage 16 inches wide x 8 inches tall x

16 inches deep, lockable tool box, mounted curb side for safety

YES NO

Since this is a truck with dual operator stations, curb side can be either left or right side of truck.

WEST VIRGINIA TRACTOR COMPANY

708EC012 Exceptions to Specifications

- 7.0 This particular truck is a conventional cab design instead of a cab over design. However, due to the design of the sweeper and this particular truck, the turning radius and wheelbase are shorter than with a cab over design truck.
- 7.5.18 The truck has rear mud flaps. Front mud flaps are not provided as standard equipment by the manufacturer. They could also interfere with two water spray nozzles.
- 7.11.2 The rear springs capacity is 23,500 lbs., which exceeds the 23,000 lb. specification. The auxiliary springs are the rubber block type instead of multi-leaf.
- 7.11.4 The truck does not have rear shock absorbers, and they are not required for this application. However, this requirement could change for future models. In that case, rear shock absorbers would be provided.

WEST VIRGINIA TRACTOR COMPANY

COMPLIANCE WITH WEST VIRGINIA PURCHASING RULES

As required by law and West Virginia Department of Administration, Purchasing Division Legislative Rule 148 CSR 1, West Virginia Tractor Company is licensed and in good standing with any and all state and local laws and requirements, including the West Virginia Secretary of State's office, the West Virginia Tax Department, the West Virginia Insurance Commission, or any other state agencies or political subdivisions, including the West Virginia Division of Motor Vehicles as a trailer dealer (DTR-1594) and as a new vehicle dealer (D-43).

West Virginia Code 5A-3-10a. Prohibition for awarding contracts to vendors which owe a debt to the state or its political subdivisions, stipulates that this applies to contracts or renewal of contracts to be awarded by the state or any of its political subdivisions, which includes counties and municipalities.

West Virginia Tractor Company does not discriminate against any employee or applicant for employment because of race, religion, color, sex, handicap, or national origin.

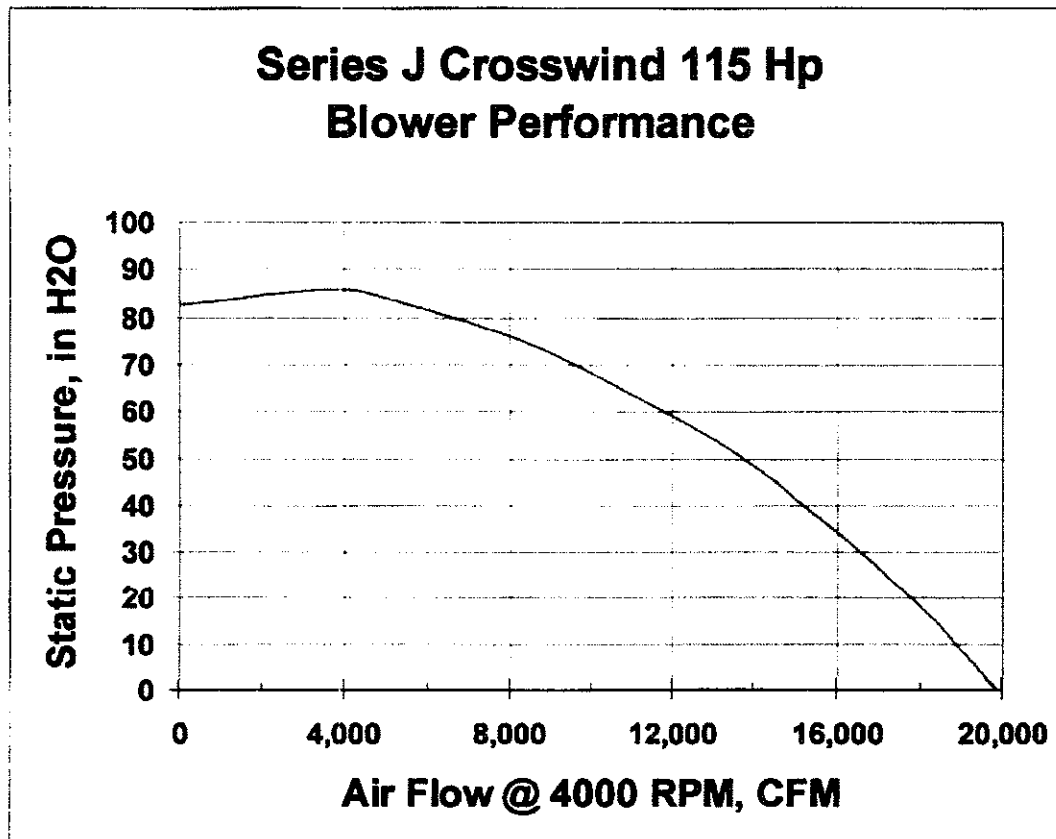
Elgin Sweeper

1300 W. Bartlett Rd.
Elgin, IL 60120
p [847]741-5370
f [847]742-3035
www.elginsweeper.com

August 23, 2004

This letter certifies that the blower installed in the Elgin Series J Crosswind 115 hp is rated at 20,000 cubic feet per minute free air delivery. The blower design has been tested by a laboratory certified to rate blower performance. The chart below shows the blower performance at an operating speed of 4000 rpm. The blower operates at 4000 revolutions per minute when the engine is running at its rated speed of 2500 revolutions/minute.

ELGIN
VACTOR
GUZZLER
JETSTREAM
RAVD
LEACH
WITTXE



Elgin Sweeper Company

Dave Converse
Director of Engineering





JOHN DEERE

John Deere Power Systems
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Waterloo, IA USA 50704 - 5100

Michael Flanagan
OEM Engine Application Engineer
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E-mail: FlanaganMichaelF@JohnDeere.com

16 May 2007

Jeff Tolzin
Elgin Sweeper
1300 W. Bartlett Rd.
Elgin, IL 60120

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Fax: 847-742-3035
E-mail: jtolzin@elginsweeper.com

Subject: Application Review of Crosswind, at 115Hp (4045HF285 Engine)

Dear Jeff,

I have completed the application review for the Crosswind application powered with a 4045HF285 rated at 115HP at 2400 RPM Industrial – Continuous. The Crosswind meets basic engine installation requirements based on the testing performed and application review data collected at Elgin Sweeper. The John Deere registration number for this industrial mobile application is # 12089.

Sealing was used to prevent recirculation during the review in order to meet John Deere guidelines. This sealing should be carried over to production.

This review does not include the reliability of the other driven components not provided by John Deere. Driven component suppliers should be consulted to determine if the application is acceptable.

Elgin Sweeper is responsible for providing safety shields, safety guards and safety shutdowns to prevent any personal injuries. Please reference Engine Application Guideline manuals and OEM Operator Manuals for fuel, oil and coolant recommendations and service / maintenance intervals.

Michael Flanagan

OEM Engine Application Engineer

cc: Rob Helvie (John Deere)
Vincenzo Perrone (John Deere)

LIMITED WARRANTY

Each machine manufactured by ELGIN SWEEPER COMPANY ("ESCO" or the "Company") is warranted against defects in material and workmanship for a period of 12 months provided the machine is used in a normal and reasonable manner. This limited warranty is applicable only to the original user-purchaser for a period of twelve (12) months (as measured from the date of delivery to the original user-purchaser) and is not transferable.

During the Limited Warranty Period ESCO will cause to be repaired or replaced, as the Company may elect, any part or parts of such machine that the Company's examination discloses to be defective in material or workmanship. Repairs or replacements are to be made at the selling Elgin distributor's location or at other locations approved by ESCO.

The ESCO Limited Warranty shall not apply to:

1. Major components or trade accessories such as but not limited to, trucks, engines, hydraulic pumps and motors, tires and batteries that have a separate warranty by the original manufacturer.
2. Normal adjustments and maintenance services.
3. Normal wear parts such as but not limited to, brooms, oils, fluids, filters, broom wire, shoe runners, rubber deflectors and suction hoses.
4. Failures resulting from the machine being operated in a manner or for a purpose not recommended by ESCO.
5. Repairs, modifications or alterations without the express written consent of ESCO, which in the Company's sole judgment, have adversely affected the machine's stability, operation or reliability as originally designed and manufactured.
6. Items subject to misuse, negligence, accident or improper maintenance.

NOTE The use in the product of any part other than parts approved by ESCO may invalidate this warranty. ESCO reserves the right to determine, in its sole discretion, if the use of non-approved parts operates to invalidate the warranty. Nothing contained in this warranty shall make ESCO liable for loss, injury, or damage of any kind to any person or entity resulting from any defect or failure in the machine.

TO THE EXTENT LIMITED BY LAW, THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

This warranty is also in lieu of all other obligations or liabilities on the part of ESCO, including but not limited to, liability for incidental and consequential damages on the part of the Company or the seller. ESCO makes no representation that the machine has the capacity to perform any functions other than as contained in the Company's written literature, catalogs or specifications accompanying delivery of the machine. No person or affiliated company representative is authorized to alter the terms of this warranty, to give any other warranties or to assume any other liability on behalf of ESCO in connection with the sale, servicing or repair of any machine manufactured by the Company.

ESCO reserves the right to make design changes or improvements in its products without imposing any obligation upon itself to change or improve previously manufactured products.

ELGIN SWEEPER COMPANY
1300 W. Bartlett Road
Elgin, Illinois 60120



ELGIN EXTENDED LIMITED WARRANTY

~ 2 YEAR - 3 YEAR - 4 YEAR - 5 YEAR ~

Each machine manufactured by ELGIN SWEEPER COMPANY ("ESCO" or the "Company") is warranted against defects in material and workmanship for a period of 12 months provided the machine is used in a normal and reasonable manner. ESCO offers for purchase a second, third, fourth and fifth year Extended Limited Warranty "ELW" for continuation of warranty coverage after the initial 12 month warranty has expired. The extended year(s) warranty is applicable only to the original user-purchaser for the period of the ELW that has been purchased (as measured from the date of delivery to the original user-purchaser) and is not transferable.

During the Extended Limited Warranty Period ESCO will cause to be repaired or replaced, as the Company may elect, any part or parts such machine that the Company's examination discloses to be defective in material or workmanship. Repairs or replacements are to be made at the selling ESCO distributor's locations or at other locations approved by ESCO.

The ESCO Extended Limited Warranty shall not apply to:

1. Major components or trade accessories such as but not limited to, trucks, engines, which carry a separate extended warranty offered by the original manufacturer (purchased direct and separate from ESCO extended warranty).
2. Normal adjustments and maintenance services (note: the Extended Limited Warranty is not a maintenance agreement, nor a maintenance contract).
3. Consumable parts such as but not limited to, brooms, oils, fluids, filters, broom wire, shoe runners, rubber deflectors and suction hoses.
4. Normal wear parts with an expected limited service life such as but not limited to, bearings, shocks, hydraulic hoses, seals, belts and rollers.
5. Failures resulting from the machine being operated in a manner or for a purpose not recommended by ESCO.
6. Repairs, modifications or alterations made without the express written consent of ESCO, which in the Company's sole judgment, have adversely affected the machine's stability, operation or reliability.
7. Items subject to and failures resulting from misuse, negligence, accident or improper maintenance.

NOTE The use in the machine of any part other than parts approved by ESCO may invalidate this warranty. ESCO reserves the right to determine, in its sole discretion, if the use of non-approved parts operates to invalidate the warranty. Nothing contained in this warranty shall make ESCO liable for loss, injury, or damage of any kind to any person or entity resulting from defect or failure in the machine.

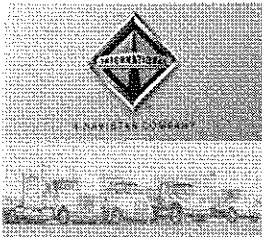
TO THE EXTENT LIMITED BY LAW, THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

This warranty is also in lieu of all other obligations or liabilities on the part of ESCO, including but not limited to, liability for incidental and consequential damages on the part of the Company or the seller. ESCO makes no representation that the machine has the capacity to perform any functions other than as contained in the Company's written literature, catalogs or specifications accompanying delivery of the machine. No person or affiliated company representative is authorized to alter the terms of this warranty, to give any other warranties or to assume any other liability on behalf of ESCO in connection with the sale, servicing or repair of any machine manufactured by the Company.

ESCO reserves the right to make design changes or improvements in its products without imposing any obligation upon itself to change or improve previously manufactured products.

ELGIN SWEEPER COMPANY
1300 W. Bartlett Road
Elgin, Illinois 60120





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Warranty

Medium

Heavy

Severe

Service Plans

Parts

Service Publications

Warranty Coverage Schedule for International® 1000 and 4000 Series Trucks.*

Truck Model	1000	4200	4300	4400
Basic Vehicle Coverage	mos/miles/km (000)			
Basic Vehicle Limited Warranty	12/unlmt	24/unlmt	24/unlmt	24/unlmt
Components				
Cab/Cowl Perforation Corrosion	60/unlmt	60/unlmt	60/unlmt	60/unlmt
Cab/Cowl Structure	60/unlmt	60/unlmt	60/unlmt	60/unlmt
Frame Side Rails	60/unlmt	84/unlmt	84/unlmt	84/unlmt
Drivetrain				
Front Axle Assembly	24/unlmt	24/unlmt	24/unlmt	24/unlmt
Transmission	24/unlmt	24/unlmt	24/unlmt	24/unlmt
Rear Axle and Differential	24/unlmt	24/unlmt	24/unlmt	24/unlmt

International Engines

Non-Rescue Applications:

VT 365**	36/150/240	36/150/240	n/a	n/a
DT 466	n/a	n/a	36/150/240	36/150/240
DT 570	n/a	n/a	n/a	36/150/240

Rescue Applications:

VT 365**	n/a	60/100/160	n/a	n/a
DT 466	n/a	n/a	60/100/160	60/100/160
DT 570	n/a	n/a	n/a	60/100/160

* All warranties are limited - See your International dealer for specific details.

** Glow plugs, relay and harness: 12 mos/unlimited miles.

Optional Support Services.

Extended Towing Coverage

This optional coverage was designed to reduce the out-of-pocket expenses that may occur as the result of an unexpected breakdown. The extended towing coverage must not exceed the length of the vehicle's warranty.

- \$250.00 maximum benefit per towing incident.
- Must be a failure that is warranted by International.
- Must be towed to the nearest International dealer authorized to perform the repairs.
- Prepriced support packages are available up to 5 years/150,000 miles (240,000 km).

Prepackaged Extended Warranties*

Extended warranties are available prepriced and prepackaged. Choose the support service package that best fits your individual business needs. International is committed to delivering superior value throughout the life of the vehicle.

- 3 years/100,000 miles (160,000 km).
- 4 years/150,000 miles (240,000 km).
- 5 years/150,000 miles (240,000 km).

Sweep System-Power

Engine

Make John Deere 4045TF275
 Type 4 cylinder, turbocharged diesel
 Displacement 276 cu. in. (4.5 L)
 Horsepower 115 (86 kW) @ 2500 RPM
 Torque 291 ft-lbs (395 Nm) @ 1400 RPM
 Oil Filter Spin-on full flow
 Air Cleaner Dual safety element dry type
 Auto Shutdown For Low Oil / High Temp
 Electronic Throttle

Instrumentation / Controls

Rocker switches in central console containing:
 Tachometer, hour meter, oil pressure, fuel,
 voltmeter, coolant temperature, spray water level
 gauge, hopper up, hopper rear door open, full
 load indicator
 Reverse Lift
 Sweep/Transport (idle down and speed resume)

Electrical System

Voltage 12 volt
 Sweeper Battery Rating 1000CCA
 Sweeper Engine Alternator 95 amperes

Sweep System-Components

General Specifications

Sweeping path:

Pickup Head only

90 in (2,286 mm)

Pickup Head & one Side Broom

117 in (2,971 mm)

Pickup Head & two Side Brooms

144 in (3,658 mm)

Travel speed Up to highway speed

Blower

Drive Direct 5-groove banded power belt with
 adjustable idler pulley

Speed 4000 RPM

Blower Rating 20,000 CFM (567 m³/min.)

Blower Construction abrasion resistant steel

Blower Housing 10 gauge (3.4 mm) Steel,
 rubber lined for extended wear

Pickup Head

Length 90 in (2,286 mm)

Head Area Approx. 2,700 in² (17,420 cm²)

Hose Diameters

Pressure 14 in (355 mm)

Suction 12 3/4 in (324 mm)

Control Hydraulic raising and lowering

Vacuum Enhancer Electrical, in-cab control

Hose Connection Quick disconnect type near
 pickup head at lower area of suction hose

Hose Construction Flexible rubber steel
 reinforced

Side Broom

Diameter 42 in (1067 mm)

Disc Construction Steel plate

Speed Constant

Drive Hydraulic motor, protected by relief valve

Mounting Free floating trailing arm

Motion Pneumatically inward/outward, raised/
 lowered

Adjustment Inward/outward, forward/backward

Digging Pressure/wear control pneumatic in cab

Sweep Position Fully extended or in front of
 pickup head

Type Segment set disposable

Debris Hopper

Volumetric Capacity 8 yd³ (6 m³)

Effective Dump Angle for JPLUS 50 degrees

Dust Separator Self-cleaning, centrifugal

Lifting Hydraulic, two-stage telescoping
 cylinder

Hopper Dump Door Hydraulic open/close and
 lock/unlock

Hopper Dumping Control Manual hydraulic
 valve on right side of unit

Hopper Screens Hinged, quick release, steel

Hydraulic System

Purpose Powers hydraulic motors on side

brooms and activates hopper dump cycle

Hydraulic Pump Capacity 7.7 GPM (29 LPM)
 @ 2500 RPM

Hydraulic Pump Direct Gear Drive

Reservoir Capacity 23 gal (87 L)

Filter 10 micron, spin-on type

Spray Water System

Water Tank Construction Polyethylene

Water Tank Capacity 240 gal (908 L)

Fill Hose 16 ft 8 in (5,080 mm)

Pump Type Diaphragm with run-dry capability
 with HI or LO selectable pump speeds

Pump Capacity 8 GPM (30 LPM)

Pump Pressure 40 PSI (2.7 bar)

Spray Nozzles Total of 16 (21, with optional
 centerbroom)

Quick release brass for ease of cleaning or
 service.

7 in pickup head (12 if with centerbroom)

3 in suction tube

6 (3 each) side brooms

Controls On-off switches in-cab

Filter 100 mesh, cleanable

Fittings Prestomatic Push-To-Lok type with
 thermoplastic tubing

Available Enhancements

Auxiliary Hydraulic System
 In Cab Hopper Dump Controls
 In Cab Controlled Side Broom Tilt
 Liquid Petroleum Gas Engine
 Compressed Natural Gas Engine
 Rotating Beacon or Strobe Light
 Light Guard
 Diesel Cold Weather Start Aid-Auxiliary Engine
 Wandering Hose 8 in (203 mm) diameter, 9.5 ft (291 mm) long hydraulic hose including 5ft (1524 mm) long catch basin nozzle
 Water System Air Purge

Caster Wheels for Pickup Head
 Variable Broom Speed
 Low Pressure Wash Down Capability
 Automatic Lubrication System
 Rear Flood Light(s)
 Hand-held Litter Hose
 Front Spray Bar
 Hopper Inspection Door
 LifeLiner® Hopper Lining
 Hopper Deluge Washout System
 Centerbroom in Pickup Head
 Hydraulically driven Aluminum Refillable Side Broom Segments
 Auxiliary Water Tanks one 140 gal capacity or two 140 gal capaci-

ty for total capacity of 520 gal
 High Pressure Washdown with 24 in hand lance, 30 ft hose
 Extended Warranty
 Turbo charged engine John Deere 4045TF 115 hp

Paint

Powder Coated, standard Elgin white and gray

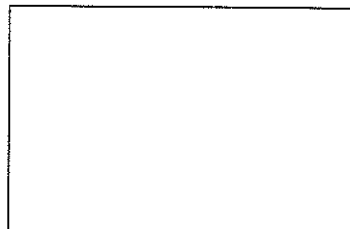
Chassis

Consult Factory

Warranty

Sweeper 1 year parts and labor
 Engine Consult Factory

Your Elgin Dealer is:



Elgin Sweeper Company
 1300 West Bartlett Road
 Elgin, Illinois, U.S.A. 60120-7529
 847-741-5370 Phone
 847-742-3035 Fax
 www.elginsweeper.com

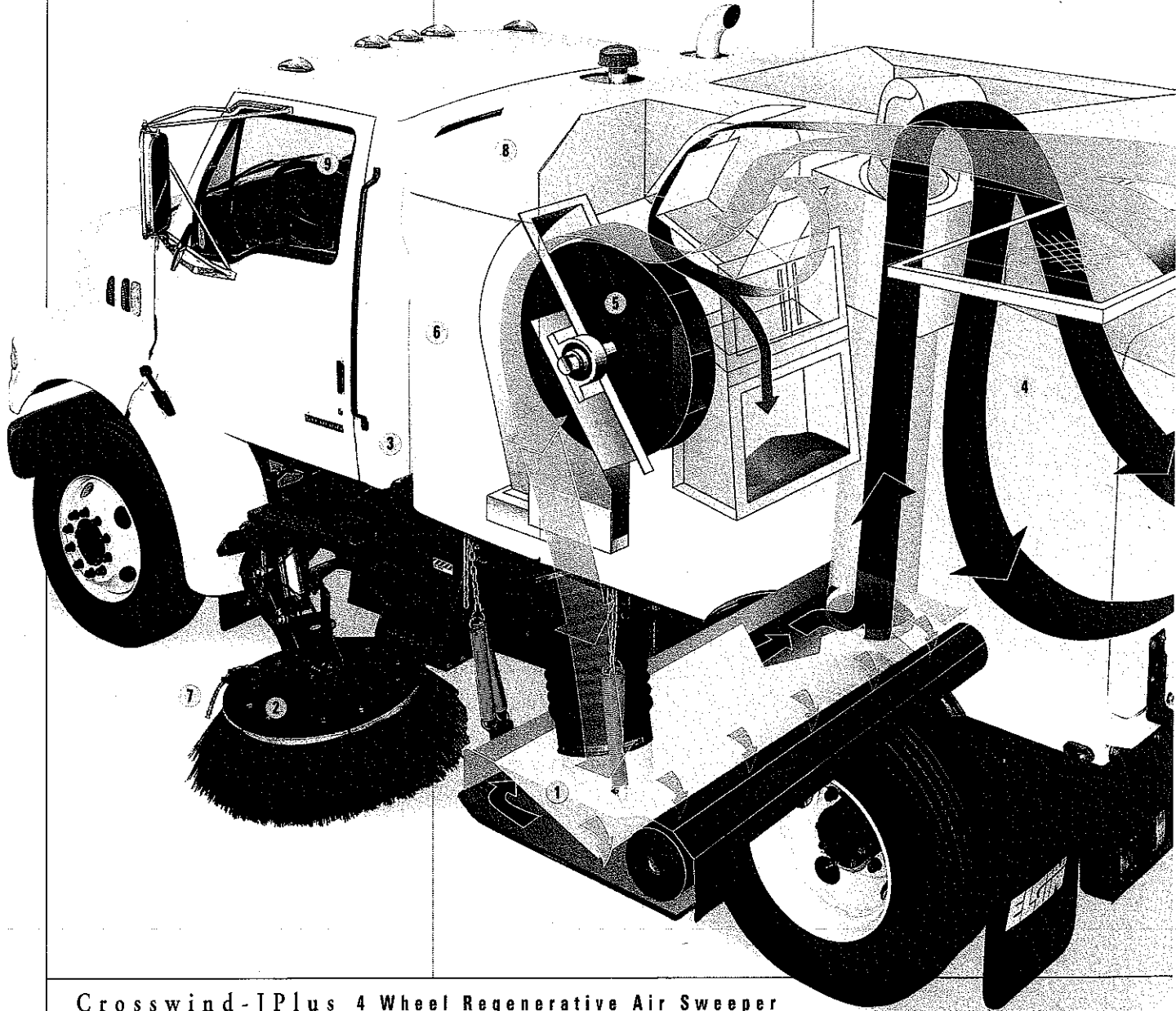
Effective 03/07 P/N 0705299-H
 Specifications subject to change without notice



ELGIN

Crosswind

The next generation regenerative air sweeper. Performance and simplicity are designed into every major component. Efficient air system with large sweep path increases productivity. Chassis choices are more flexible. New hopper and auxiliary engine design provide easier maintenance.



Crosswind-J Plus 4 Wheel Regenerative Air Sweeper

Sweep System

High performance regenerative air
12 ft. (3658 mm) sweeping path
42 in. (1067 mm) side brooms

Pick-up Head

High flow with pressure and vacuum chamber
2700 sq. in. (17,450 sq. cm.)
14 in. (356 mm) dia. pressure hose
12 3/4 in. (324 mm) dia. suction hose

Auxiliary Engine

John Deere 4045TF (115 HP)

Blower Rating

20,000 CFM (567 m³/min.)

Crosswind FSX

Auxiliary Engine

John Deere 4045TF (115 HP)

Blower Rating

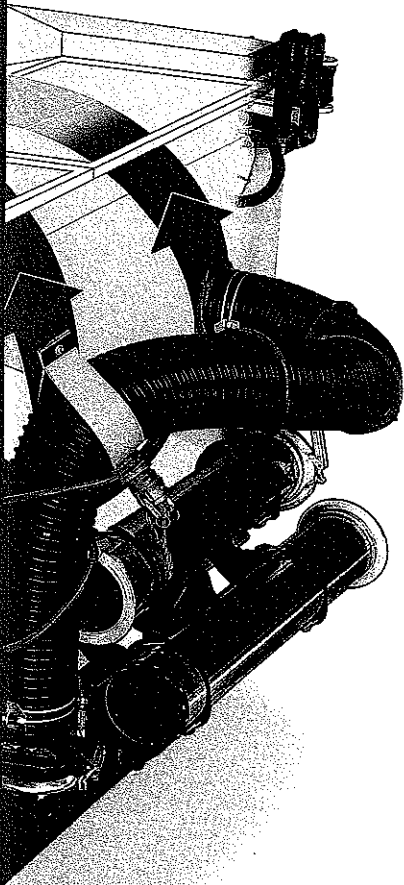
20,000 CFM (567 m³/min.)

Sweeping Speed

Up to 15 mph (24 km/hr)

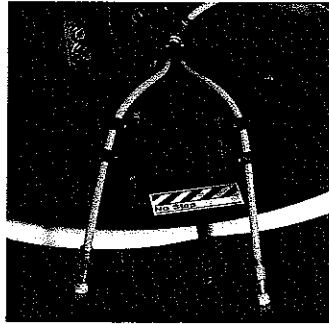
1 High Productivity Sweep System

90 in. (2286 mm) wide pick-up head and dual 42 in. (1067 mm) side brooms create extra wide sweep path for maximum productivity. 12³/₄ in. (324 mm) suction hose readily accepts large debris. Quick disconnect allows operator to inspect and clean hose/intake tube without raising hopper. In-cab controlled vacuum enhancer/leaf bleeder facilitates sweeping under light and bulky debris conditions. Hopper screens are easy to clean.



2 Unique Trailing Arm Side Brooms

Greaseless trailing arms provide special 4-way action to closely follow road contours, while providing inward motion



safety for obstacles. Digging pressure is adjustable in cab. Brooms can be extended outward for maximum sweep path, or fully retracted for scrubbing action in front of the pick-up head. Spray nozzles attach directly to broom.

3 Compact Design

Mounts on short wheelbases of conventional or cab-over chassis. Enables extremely tight turning radius, for better reach in cul-de-sac sweeping, and greater maneuverability around tight corners.

4 High Capacity/Efficient Loading

Large 240 gallon (908 L) water tank and 8 cu. yard (6 m³) hopper capacities for extended sweeping time and maximum productivity. Abrasion-resistant steel inlet deflector directs debris flow to center of hopper, ensuring even, efficient material loading for maximum capacity.

5 Powerful Blower

High velocity turbine fan produces 20,000 CFM (567 m³/min.) for unsurpassed sweeping performance. Abrasion-resistant steel blower and housing for extra durability. Rubber lined housing for extended life. Secure multiple V-groove power belt adjusts automatically without repositioning engine.

6 Easy Access Service Doors

Auxiliary engine, water system, hydraulic system and pneumatic system components can be easily accessed behind two full-service doors, without tilting the hopper.

7 Comprehensive Water System

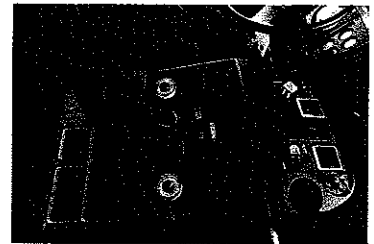
Controls dust during sweeping and lubricates system to protect from abrasive materials. Removable polyethylene tank supplies system with 240 gallons (908 L) of clean water. 16 spray nozzles located at the side brooms, pick-up head and intake tube provides maximum lubrication and dust control. Side broom water pumps can be selectively controlled from the cab to adjust to sweeping conditions. Includes in-cab water level gauge.

High Performance Sweeper Engine

- 8 Heavy-duty John Deere 4045 TF 115 HP diesel with exceptional power, increased fuel efficiency and extended service life. Standard equipment includes auto shut-down protection for high temp/low oil conditions and a 115 HP John Deere engine for maximum performance at higher elevations.

Operator-Friendly Controls

- 9 Central-mounted console with rocker switches, for total control of all sweep and spray water functions. Complete gauges (aux. engine coolant temperature, engine diagnostics gauge, oil pressure,



charging voltage, fuel level, hour meter and engine speed) for quick review of system conditions. Side broom down pressure controls and manual reset circuit breakers further enhance ease of operation.

Top Performance On and Off the Runway

If you need top performance for airport applications, the Elgin FSX regenerative air sweeper is the machine for you. No other airport sweeper offers the versatile sweeping speeds that you get with the FSX. At 15 mph (24 kph) the FSX can sweep 950,000 sq. ft. (88,255 sq. m) of runway per hour, and sweeps tarmac, gate areas and access roadways at slower speeds.

- Nine-vane, closed face turbine fan creates 20,000 CFM (567 m³/min.) of air movement across pick-up head.
- Achieves 100% pickup of stones, pea gravel and solid steel cylinders at 15 mph in certified airport tests.
- Choice of conventional or cab-over chassis, plus options shown below.

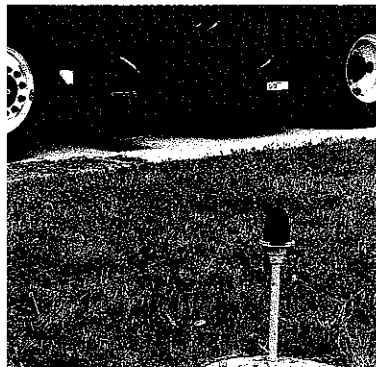


FSX Options



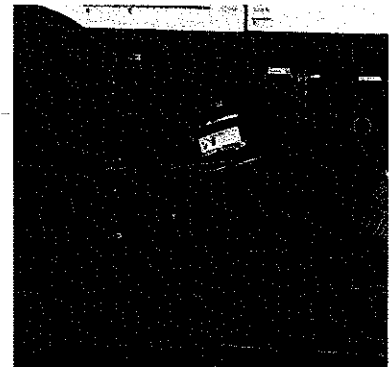
Wandering Hose

Versatile hydraulic-assisted hose gets into hard-to-reach corners and is extremely effective in catch basin cleaning.



Side Air Blast

Powerful nozzles move material away from protruding guidance lights without damaging them. Nozzles are raised and lowered hydraulically via in-cab controls.



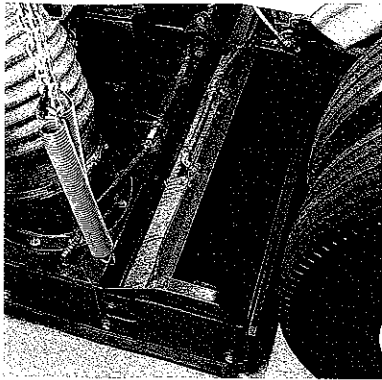
Pick-up Head Casters

Set of four wheels supports pick-up head over rough surfaces, reduces wear on drag shoes and eliminates sparks or scratches on runways.

ELGIN[®]

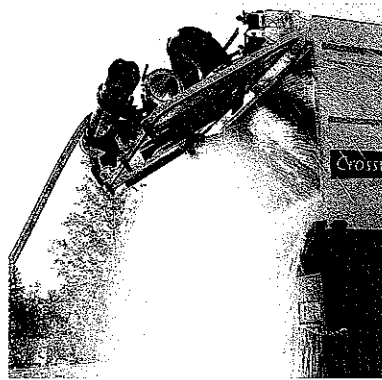


Options



Center Broom

Provides additional digging power in heavy, compacted dirt conditions. Loosens hard-packed material and holds debris in vacuum stream for improved pickup.



Hopper Deluge System

Provides easy, fast, thorough hopper cleanout. Connects with standard water hose to fire hydrant. Includes quick disconnect coupling.

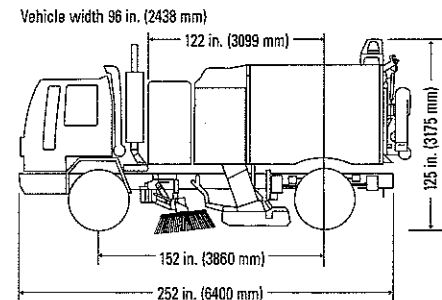
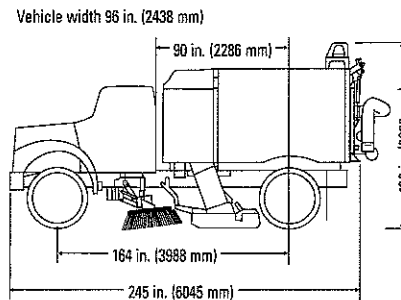


Wandering Hose Extension Tubes

Handles up to four 4 ft. (1219 mm) tubes, for deep catch basin cleaning. Heavy-duty tubes are constructed of lightweight, non-corrosive aluminum.

Additional Options

- Additional water (280 gal.) (1060L)
- Auxiliary hydraulic pump
- Compressed natural gas fuel engines
- Polyurethane hopper lining
- Full width magnet
- High pressure water pump
- In-cab hopper dump
- Rotating beacon
- Side broom tilt
- Air purge
- PM-10 compliant



Value-Added Services

Elgin's commitment to the customer continues long after the sale.

- On-time delivery
- Factory-trained worldwide dealer network
- Genuine Performance Matched Parts
- Elgin Training Center
- Customized leasing and financial services
- Highest resale value in the industry

Warranty

Elgin Sweeper Company backs the Crosswind sweeper with a one-year limited warranty. The Crosswind is warranted against defects in material or workmanship for a period of 12 months from the date of delivery to the original purchaser. Optional extended warranty packages are available. Consult your Elgin dealer for complete warranty information.

Your local Elgin Dealer is:

ELGIN
Subsidiary of Federal Signal Corporation

1300 W. Bartlett Road
Elgin, Illinois, U.S.A. 60120-7529
(847) 741-5370 Phone
(847) 742-3035 Fax
www.elginsweeper.com

Photo illustrations in this brochure include optional components.

Specifications subject to change without notice.

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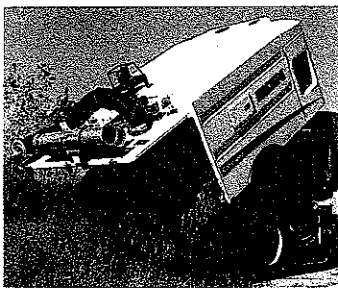
Federal Signal Corporation is listed on the NYSE by the symbol FSS.

A Closer Look

Searching for the next generation in regenerative air technology? Elgin Sweeper Company has the answer. The new Crosswind combines superior performance with a low-maintenance, simplified design. The extra wide sweeping path is suited for municipalities, contractors, airport applications and general maintenance sweeping.



From the high performance sweep system to the user-friendly controls, the new



Crosswind has been designed and manufactured to the exacting quality standards that have made Elgin the world's leading sweeper manufacturer. Customized with your

choice of options, the Crosswind is sure to fit your needs. And thanks to a worldwide factory-trained dealer network, you can be sure of complete satisfaction on delivery and far down the road.

This brochure has been designed to give you a component-level understanding of unique Crosswind features and benefits.

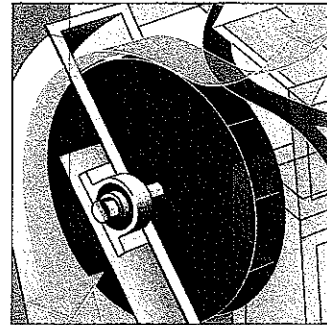
A Powerful Cleaning System

How well a street sweeper picks up material is determined by its total cleaning system. The air conveyance, sweeping, water and maintenance systems must work together to achieve maximum sweeping performance. The Crosswind is engineered with superior components that work together as an integrated cleaning system.

Highly Efficient Air Conveyance System

Efficient air flow is the heart of the new Crosswind. How well a sweeper picks up material is determined by its vacuum source and air routing path.

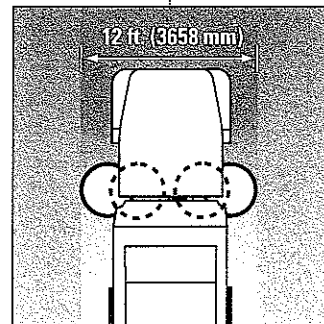
- High volume air flow at high velocities results in exceptional one-pass pickup and eliminates plugging that can occur in similar type sweepers.
- Nine-vane closed face turbine fan is powered by an efficient turbo-charged diesel auxiliary engine.
- Centrifugal dust separator minimizes pressure loss and maximizes sweep performance and fan life.



High Productivity Sweep System

The Crosswind's wide sweep path picks up debris close to the curb and across a wide expanse of road.

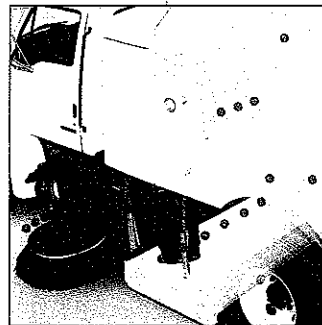
- Large, hydraulically driven, 42 in. (1067 mm) side brooms result in an extra-wide 12 ft. (3658 mm) sweep path.
- Work with brooms fully extended for a wide sweeping path or fully retracted for powerful scrubbing action in front of the pick-up head.
- Optional center broom provides additional digging power in heavy compact soil conditions.



Superior Water System

Proper use of water is essential for dust suppression, sweeping performance and longevity of sweep components.

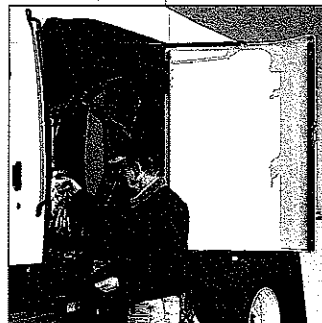
- Two heavy-duty, easy-access water pumps—one dedicated exclusively to the pickup head water system.
- Durable polyethylene water tank is removable for service.
- Ample water is provided with 16 high-quality, agricultural-grade water nozzles, all in easy-to-access locations.
- Pressure for better water automatization.
- Hi-Lo selectable pump speeds.



Simple, Easy-Access Maintenance

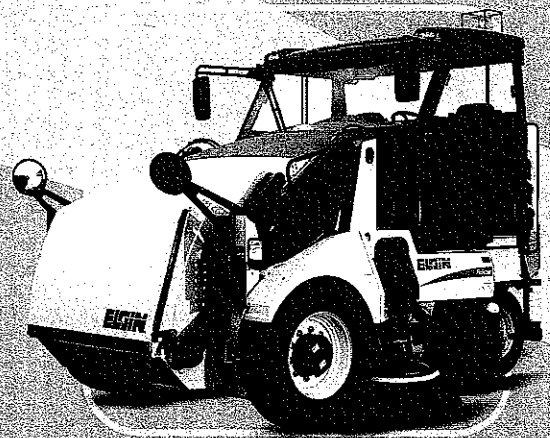
The Crosswind is designed so that systems are readily accessible and easy to service.

- Large fiberglass access doors allow quick inspection without tilting the hopper. The engine oil can be checked, hydraulic filter changed, pneumatic pressure checked and the fan bearings greased.
- The hydraulic system, including O-ring connectors, are designed for long life and leak-free operation.
- Waterproof, snap-together electrical connectors and color-coded wires have stamped identification for quick location during troubleshooting.



FEDERAL SIGNAL FINANCE

FINANCING FOR MUNICIPALITIES AND PUBLIC WORKS DEPARTMENTS



VACTOR

ELGIN

FEDERAL SIGNAL FINANCE

Established in 1983 to assist Elgin Sweeper Company, Vactor Manufacturing, Inc. and its sister companies (including E-ONE, Inc. and Federal Signal), Federal Signal Finance is a recognized leader in financing street sweepers and sewer cleaning equipment vehicles. Through our unique programs, **we have provided helpful financing for more than \$1 billion worth of products.** We can create a program to meet virtually any budgetary need and our fiscal strength ensures we will be here to serve you in the long term.

WHY FINANCE?

Financing through Federal Signal Finance is an easy way to own the Elgin or Vactor vehicle you need. Through financing, your municipality can have full, outright ownership of your Elgin or Vactor vehicle at the end of the financing term. And since most municipalities can only appropriate the finance payment into the current fiscal budget, financing allows you to immediately acquire your Elgin or Vactor at current prices, freeing up cash for other needs.

WHO QUALIFIES?

Any entity whose interest on financial obligations is exempt from federal income tax qualifies for Federal Signal financing. These include municipalities, cities, counties, states, townships, villages and political subdivisions.

Municipal customers are immediately qualified for financing because of their tax-exempt status.

No credit application is required.



UNIQUE BENEFITS OF FEDERAL SIGNAL FINANCING

Absolutely No Hidden Costs or Fees

Unlike some financing programs, Federal Signal Finance contains NO application fees, "points," gimmicks or hidden costs.

Rate Held Until Delivery and Acceptance

By using our financing program, the quoted interest is held through delivery and acceptance. Interest will NOT begin accruing until after you take delivery. Some finance companies may charge you from the day your vehicle is ordered and the financing is committed.

Deferred Billing

Buy now, pay later. Your payments will not commence until you accept your Elgin or Vactor vehicle. For annual payment schedules, in arrears, the first payment will not be due until one year after delivery and acceptance.

No Down Payment

Our flexible programs allow you to conserve your cash; down payments are not required.

Change Your Needs

If your needs change (or the vehicle price changes), amendments can be easily drafted and delivered for execution.

Fast Turnaround

If needed, we can deliver documentation in less than 24 hours.

No Budget Surprises

Our financing assists you in budgeting so you'll know your exact payment amount for future years.

Use Instead of Bonds

When financing with Federal Signal, you can save on the cost of attorneys, printing and investment bankers /broker fees that can be associated with bond issues.

Work Directly with Your Local Dealer

Your certified Elgin or Vactor dealer is our partner, and because they understand your needs, they are in the best position to satisfy your vehicle requirements.

QUICK STEPS TO FINANCE

Since you immediately qualify for our financing, the steps to complete your purchase are quick and easy.

- Call us at 1-800-934-6569 or your local dealer for a quote (your quote is good for 30 days from receipt).
- Accept the quote and documents will be generated and, if needed, sent to you in less than 24 hours (your documents are good for 45 days from receipt).
- Sign and return the documents.
- Your Elgin or Vactor vehicle is put into production.
- Your Elgin or Vactor vehicle is delivered and accepted.
- Your payment schedule commences.

REQUEST A FINANCING ALTERNATIVE

Let us tailor a financing package just for you. We will prepare a custom financing package to meet your fiscal requirements, equipment add-ons, cash flow needs, etc.

By using our financing program, you may be able to accelerate your order, stretch your budget and buy more now.

CONTACT US:

Federal Signal Finance
1415 West 22nd Street, Suite 1100
Oak Brook, IL 60523
800-934-6569
Fax: 630-954-2041



FEDERAL SIGNAL

Advancing security and well-being.