

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

Request for Quotation

\$ H |707EC021

PAGE 1

ADDRESS CORRESPONDENCE TO ATTENTION OF

JOHN JOHNSTON 304-558-2402

VENDOR

*709035314 304-485-4410 MATHENY MOTOR TRUCK COMPANY PO BOX 1304

PARKERSBURG WV 26102-1304

DIVISION OF HIGHWAYS
EQUIPMENT DIVISION
ROUTE 33
BRUSHY FORK ROAD
BUCKHANNON, WV
26201 304-4

304-472-1750

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***709035314**

PO BOX 1304

PARKERSBURG WV

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

MATHENY MOTOR TRUCK COMPANY

STATE SPENDING UNIT.

FEIN

SIGNATURE

TITLE

304-485-4410

26102-1304

Request for Quotation

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ADDRESS CORRESPONDENCE TO ATTENTION OF:

JOHN JOHNSTON 304-558-2402

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DIVISION OF HIGHWAYS **EQUIPMENT DIVISION** ROUTE 33 **BRUSHY FORK ROAD**

BUCKHANNON, WV

VENDOR 26201 304-472-1750 DATE PRINTED TERMS OF SALE SHIP VIA FOR FREIGHT TERMS 06/11/2007 BID OPENING DATE: 07/25/2007 BID OPENING TIME 01:30PM CAT. QUANTITY LINE LIOP ITEM NUMBER UNIT PRICE AMOUNT 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. UNLESS SPECIFIC PROVISIONS ARE STIPULATED IN THIS CONTRACT DOCUMENT, THE TERMS, CONDITIONS, AND PRICING SET HEREIN ARE FIRM FOR THE LIFE OF THE CONTRACT. THIS CONTRACT MAY BE RENEWED UPON THE MUTUAL RENEWAL: 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. 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 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 IMME-DIATE DELIVERY IN EMERGENCIES DUE TO UNFORESEEN CAUSES CINCLUDING BUT NOT LIMITED TO DELAYS IN TRANSPORTATION OR AN UNANTICIPATED INCREASE IN THE VOLUME OF WORK). QUANTITIES LISTED IN THE REQUISITION ARE **QUANTITIES:** APPROXIMATIONS ONLY, BASED ON ESTIMATES SUPPLIES BY THE

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

TELEPHONE

IT IS UNDERSTOOD AND AGREED THAT

DATE

ADDRESS CHANGES TO BE NOTED ABOVE



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***709035314** 304-485-4410 MATHENY MOTOR TRUCK COMPANY PO BOX 1304

PARKERSBURG WV 26102-1304 DIVISION OF HIGHWAYS **EQUIPMENT DIVISION** ROUTE 33 BRUSHY FORK ROAD BUCKHANNON, WV 26201 304-472-1750

DATE PRINTED TERMS OF SALE SHIP VIA FREIGHT TERMS FOR 06/11/2007 BID OPENING DATE: 07/25/2007 BID OPENING TIME 01:30PM CAT LINE QUANTITY LIOP ITEM NUMBER UNIT PRICE AMOUNT THE CONTRACT SHALL COVER THE QUANTITIES ACTUALLY ORDERED FOR DELIVERY DURING THE TERM OF CONTRACT, WHETHER MORE OR LESS THAN THE QUANTITIES SHOWN. SPENDING UNIT(S) SHALL ISSUE A ORDERING PROCEDURE: 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 FOR-WARDED TO THE VENDOR AS AUTHORIZATION FOR SHIPMENT. NO ORDER IS VALID UNLESS APPROVED AND ENCUMBERED BY THE PURCHASING DIVISION. BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT IS AUTOMATI-CALLY NULL AND VOID, AND IS TERMINATED WITHOUT FURTHER ORDER. REV. 9/98 EXHIBIT 6 PRICE ADJUSTMENT PROVISION: THE STATE OF WEST VIRGINIA WILL CONSIDER BIDS THAT CONTAIN PROVISIONS FOR PRICE ADJUSTMENTS PRIOR TO THE ORIGINAL EXPIRATION OF THE CONTRACT, PROVIDED THAT SUCH PRICE ADJUSTMENT COVERS BOTH UPWARD AND DOWNWARD MOVEMENT OF THE COMMODITY PRICE, AND THAT ADJUSTMENT IS BASED ON THE "PASS THROUGH" INCREASE OR DECREASE OF RAW MATERIALS AND/OR LABOR, WHICH MAKE UP ALL OR A SUBSTANTIAL PART OF A PRODUCT. ADJUSTMENTS ARE TO BE BASED UPON AN ACTUAL DOLLAR FIGURE, NOT A PERCENTAGE. ALL PRICE ADJUSTMENT REQUESTS MUST BE SUBSTANTIATED IN SEE REVERSE SIDE FOR TERMS AND CONDITIONS SIGNATURE TELEPHONE DATE TITLE ADDRESS CHANGES TO BE NOTED ABOVE



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

SHIP VIA F.O.B. FREIGHT TERMS

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*709035314 304-485-4410
MATHENY MOTOR TRUCK COMPANY
PO BOX 1304
PARKERSBURG WV 26102-1304

SHIP VIA DATE PRINTED TERMS OF SALE F.O.B. FREIGHT TERMS 06/11/2007 BID OPENING DATE: 07/25/2007 BID OPENING TIME 01:30PM LINE QUANTITY UOP ITEM NUMBER AMOUNT UNIT PRICE 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. BIDDER UNDERSTANDS IF THE SECRETARY OF TAX & REVENUE DETERMINES THAT A BIDDER RECEIVING PREFERENCE HAS FAILED TO CONTINUE TO MEET THE REQUIREMENTS FOR SUCH PREFERENCE, THE SECRETARY MAY ORDER THE DIRECTOR OF PURCHASING TO: (A) RESCIND THE CONTRACT OR PURCHASE ORDER ISSUED; OR (B) ASSESS A PENALTY AGAINST SUCH BIDDER IN AN AMOUNT NOT TO EXCEED 5% OF THE BID AMOUNT AND THAT SUCH PENALTY WILL BE PAID TO THE CONTRACTING AGENCY OR DEDUCTED FROM ANY UNPAID BALANCE ON THE CONTRACT OR PURCHASE ORDER. 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. 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 SEE REVERSE SIDE FOR TERMS AND CONDITIONS SIGNATURE TELEPHONE DATE

FEIN



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F.O.B.

06/11/2007 BID OPENING DATE: 07/25/2007 BID OPENING TIME 01:30PM LINE QUANTITY UOP ITEM NUMBER UNIT PRICE AMOUNT CONTAINED WITHIN THIS CERTIFICATE CHANGES DURING THE TERM OF THE CONTRACT, BIDDER WILL NOTIFY THE PURCHASING DIVISION IN WRITING IMMEDIATELY. BIDDER: MATHENY MOTOR TRUCK Co. DATE: SALES REPRESENTATIVE TITLE: * CHECK ANY COMBINATION OF PREFERENCE CONSIDERATION(S) IN EITHER "A" OR "B", OR BOTH "A" AND "B" WHICH YOU ARE ENTITLED TO RECEIVE. YOU MAY REQUEST UP TO THE MAXIMUM 5% PREFERENCE FOR BOTH "A" AND "B". (REV. 12/00) NOTICE A SIGNED BID MUST BE SUBMITTED TO: DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130 THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF SEE REVERSE SIDE FOR TERMS AND CONDITIONS SIGNATURE FELEPHONE DATE TITLE FEIN ADDRESS CHANGES TO BE NOTED ABOVE



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DATE PRIN	TED	П	RMS OF SA	LE		SHIP VI	4	FOB:		FREIGHT TERMS
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WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS EQUIPMENT DIVISION

BIDDER'S EVALUATION REPORT

PROCUREMENT SPECIFICATIONS FOR OPEN END CONTRACT NO. 377-2-D

OPEN END CONTRACT 64,000 GVW CAB AND CHASSIS, STAINLESS STEEL DUMP BODY, AND PISTON PUMP HYDRAULIC SYSTEM

NOTE TO BIDDER: Procurement Specification No. 377-2-D, 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 exception sheets, 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.: 707ECOZI		
	Bidder's Name: MATHENY MOTOR TRUCK COMPANY		
	Address: PO Box 1304 PARKARSburg, WV 26102-13	504	
	Telephone Number: (304) 485-4418		
	Years Bidder has been registered to do business with the State of West Virginia:	85	_YRS
	Years Company has been an authorized dealer for proposed unit:	5/	_YRS.
X4.2 X4.2.1	DELIVERY: Delivery date of completed representative unit: /50 Calendar Day Purchase Agr	ys After Date of eement	
X4.2.2	Delivery date of balance of completed units: 240 Calendar Days	After Date of Purchase Agree	ement

NOTE: Vendors can complete Bidder's Evaluation Report at Purchasing's Web Site www.state.wv.us/admin/purchase

The Procurement Specifications does not have to be returned with the bid.

X5.0	AWARD CRITERIA;		•	
X5. 1	Prices for quantities of	1-25 26-50 51 and over	/35,30/20 per unit /35,30/20 per unit /35,30/20 per unit	
X6.0 X6.1	SPECIFICATIONS - GENERAL Manufacturer, model, series, and date of manufactu			
	Volvo VHD64F Zoo w/Henos Is descriptive literature, fully describing proposed	unit attached to	your bid? X YES	NO
	If not, why?			
X6.2	Will the required number of service manuals, and of Division at Buckhannon upon completion of deliver	complete parts ery of total unit	list be delivered to the Equipm s?X_YESN	nent IO
	Will the required Equipment Preventive Maintenar be provided upon inspection of the pilot unit?	nce Form (Sect	ion X6.2 of Bidders Evaluation	n Report) IO

EQUIPMENT PREVENTATIVE MAINTENANCE QUESTIONNAIRE

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

DESCRIPT	ION: To be suppliED PEA	2 bid KEQUES	MA.	KE:	***************************************
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ENGINE:	MAKE:	MODEL:		FUEL TYPE: _	
	HORSEPOWER:	CYLINDER:	ENC	GINE SERIAL:	
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X6.5 WARRANTY AND SERVICE POLICY QUESTIONNAIRE

THIS FORM MUST BE COMPLETED IN ITS ENTIRETY BY THE SUCCESSFUL BIDDER OR MANUFACTURERS TECHNICAL REPRESENTATIVE PRIOR TO DELIVERY OF PILOT MODEL TO THE WVDOH (If additional lines are needed, make copies of form.)

1. Defi	ne the terms of the star See warraut	ndard warranty. If not offered, so state. (Attach copy)
manuf	acturer's representative	be performed at DOH facilities and warranty service to be performed at facility. List name and location of manufacturer's representative. From Volvo, DOH can perform warranty work, provinced to quipelines.
3. List	locations for parts inve	entories that are within the State of West Virginia. Also, list availability levels, if of wheeling, South Charleston, Princeton, Huntington Equipment - Zawesville, OH.
4. Dur		y, list the guarantee discount to manufacturer's published list price for parts that
A. B. C.	Terms: Net 30 Terms: Net 60 Terms: Net 90	Manufacturer's published list price less: 40 % discount Manufacturer's published list price less: 30 % discount Manufacturer's published list price less: 20 % discount
5. Dur Highw		ty, will all manufacturers or engineering improvements be submitted to Division ofXYESNO
6. Dur	ing the term of warran	ty, list the guaranteed rates charged for repair to the unit.
A.	Shop Rate	\$ 75.00 per mechanic hour
B.	Travel Time Charge (Specify if one-way)	\$ per mechanic hour; port to port
C.	Mileage Charge (Specify if one-way	\$ per vehicle mile; port to port
D.	Field Mechanic Rate	
E.	Specify period of tim	e that prices are in effect: October 17, 2007 - January 31, 2008
F.	Surcharge for miscell # 4.00 per /A	

X6 .6	EVALUATION COMMITTEE REQUIREMENTS
	Is all component specifications, product literature, component models provided for Evaluation Committee bid determination?
X 6.7	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?
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?
X6.7.2	Are all standard safety features that are required by Federal and State statutes of law included? X_YESNO
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.
X8. 0	Specifications - Cab and Chassis
	Manufacturer: Volvo Model: VHD64F
	Will a minimum 2 year basic bumper to bumper warranty including parts and labor be furnished? X_YESNO
X8.1	GVWR Rating: 64,000 Lbs.
X8.2	Cab to Axle Dimensions: 124.5 Inches usable
X8.2.1	After frame length: 75 Inches
X8.3	Wheelbase: Inches set forward design for snowplow application for various plows YES NO
X8.3.1	Have you adjusted wheelbase and CA dimension to provide the optimum legal weight distribution? YESNO
X8.3.2	BBC (Bumper to Back of Cab) Inches excluding frame extension
X8.4	Frame: Does the frame meet or exceed all Federal requirements for GVWR specified that extends forward beyond the grille a minimum of 14 inches? YESNO

X8.4.1	Frame material <u>120,000</u> PSI yield strength. Is frame	extension a "parent rail" material? YESNO
X8.4.2	2 RBM: <u>2,820,000</u> million Ins/Lb. per rail Single fram	e rail X YES NO
	To assure space for installation of spinner chute, are the obstruction inside the frame rails and along the left outside inches from the back of the cab	ruck chassis frame rails free of de frame rail in an area approximately YESNO
X8.4.2	Where engine and radiator adjustments are requir (RBM).	ed, 2820,000 million in lb. per rail
X8.4.3	Is main frame and any required liners X straight char	nnel or offset channel, full length
X8.4.4	<u></u>	Department? YES NO YES _X NO
	Is it bolt on or welded extension?	_ YES X NO
X8.4.5	Does front frame accommodate the Department's standar the plow frame?	rd hydraulic PTO shaft and pump, and YESNO
	Does it provide easy service accessibility?	YESNO
X8.4.5	5.1 Front frame mounted tow hooks	_YESNO
X8.4.5	5.2 Has the factory installed front bumper been omitt	ed <u>X</u> YES NO
X8.5	Cab: Manufacturers standard steel, aluminum and/or fiberglass with p interior trim with inside noise level rating not to exceed 80 dba i	remium or manufacturers highest level n compliance with Federal regulationsX_YESNO
	Ambient temperature display for outside temperature	
	Is hood a tilt hood	YES NO
	Fenders steel and/or fiberglass	YESNO
	Is rear air bag suspension provided	YES _X_NO
	Are inner fender panels adequate to keep materials from engine	compartment X YES NO
X8.5.1	Cab door locks, both doors, keyed alike	YES NO
X8.5.2	2 Dual sun visors	YESNO
X 8 < 3	3 Arm rests, both sides	YESNO

X8.5.4	Seats: Fully adjustable air ride high back with hand sides	head rest, cloth covered both left hand and rig	ht
	Clearance between seatsinches		
X8.5.5	Floor mats: Rubber floor mats throughout cab	area with non-absorbent backing under matsXYESNO	-
X8.5.6	Turn signals: Manufacturers standard with haz	zard warning switchXYESNO	
X8.5.7	Heater and defroster: Fresh air type, heaviest	duty X YES NO	
X8.5.8	Windshield wipers and washers: Manufacture feature with manufacturers largest reservoir fil	er's heaviest duty "artic type" with intermittent lled with antifreeze type solvent	
X8.5.9	Instruments: Are all instruments dash mounted	d except where specified otherwise?YESNO	
	Are all standard instruments supplied, including	ng but not limited to the following: X YES NO	
X8.5.9.1	Coolant, oil pressure gauges, to have be visual alarm to warn operator when saf	oth dial type readout and either an audible or	
X8.5.9.2	Voltmeter or ammeter		
X8.5.9.3	Engine RPM tachometer	_X_YESNO	
X8.5.9.4	Speedometer with odometer	_X_YESNO	
X8.5.9.4.1	Are provisions for dual speedor	meter leads made availableYESXNO	
X8.5.9.5	Primary air pressure gauge	XYESNO	
X8.5.9.6	Auxiliary air pressure gauge Is it combined with primary air pressur	YES NO Te gauge YES X NO	
X8.5.9.7	Air filter manufacturers heaviest duty of extended engine warranty	lual element type that meets all requirements ofNO	
X8.5.9.8	Does unit have front air intake Is an air actuated or cable control valve engine compartment while in snow plo	YES X NO e provided to enable operator to divert air intake owing application YES NO	to
X8.5.9.9	Is air filter restriction indicator gauge d	lash mounted X YES NO	
X8.5.9.10	Engine hourmeter controlled by engine	e operation YESNO	
X8 5 9 11	Fuel level reading	X YES NO	

X8.5.9.12	Parking brake dash controlled with indicator light	X	YES_	NO	56
X8.5.9.13	Manufacturers best sound/weather insulation package for			NO	
X8.5.9.14	Outside temperature control with in cab digital read out	<u>X</u>	YES_	NO	
X8.5.10 X8.5.10.1	Rearview Mirrors: West coast type power adjustable with convex spot mirror	<u> </u>	_YES_	NO	
	Size: 14. 5" x 5.9"			•	
X8.5.10.2	Both mirrors heated type with stainless steel composite or aluminum hardware with corrosion resistatestates.	ince, h	eads, an	vder coated d NO	
X8.5.11	Grab Handle: Right hand and left hand sides, internal or external a opening			ar of door NO	
	Are inside handles featured X YES NO Is one (1) outs with non-slip insert for bed aggregate inspection furnished	side, le	ft, mour	ited grab ha	ndle
X8.5.12	Air horns, with snow shields if cab mounted, with adequate cleara body dump cab protector			installation NO	of
	Does it have single air horn used without snow shield if mounted hood	_		rame rail ur NO	nder
X8.5.13	Unit includes lockable hand operated throttle control or electronic down for hydraulic flow rate			e up and idl	e
X8.5.14	Will manufacturer provide for stationary grille or grille with cutou clear snow plow mount			tilt hood to NO	
	Is stone/gravel guard provided	<u>X</u>	_YES _	NO	
X8.5.15	Air conditioning: Manufacturers fresh air type heaviest duty with including replaceable fresh air filter			al RCD sys	stem
X8.5.16	Radio: AM/FM stereo with weatherband radio feature	<u>X</u>	_YES _	NO	
X8.5.17	Glass: Manufacturers tinted safety glass (all locations)	<u>X</u>	_YES _	NO	
X8.5.17.1	Dual power windows	_X	YES_	NO	
X8.5.18	Manufacturers engine cover or dash mounted extended two (2) cur			NO	
X8.5.19	Front mudflaps manufacturers standard for unit bid	X	YES_	NO	

X8.5.20	Emergency triangle warning kit, with hold down stowed (fastened) in the cab YESNO	5`
	Manufacturer & Model: James King Co. 1005	
X8.5.21	Manufacturers tilt steering column with cruise control feature X YES NO)
	OR Locking hand operated throttle steering wheel Diameter: _/\sum_inches YES _X_NO)
X8.5.22	Fire extinguisher – rechargeable with vehicle mount. Mounted in the cab for easy and quaccess Manufacturer & Model: <u>KingE Brand Dor Chemical</u> YESNO	ick)
X8.5.23	List any accessories not indicated above but are included in the manufacturer's standard c	
	SEE AMACHED BROCHURE	
X8.5.24	If you are the successful vendor, will you provide WVDOH with complete list of all filter required for normal maintenance on proposed unit. YESNO	S)
X8.6 Engi X8.6.1	ne: Will engine manufacturer make provisions for front mounted hydraulic pump to cranksha pulley YESNC	ft)
	Manufacturer & Model: Volvo D13	
X8.6.1.1	Diesel engine? X YES NO	
	HP: 375 Peak torque 1450 lbs. ft.	
X8.6.1.2	In block engine heater 1500 watt YESNC	•
X8.6.1.2.1	Is electrical cable from the heater to plug one piece and waterproof, located side under driver doorX_YESNC	
X8.6.1.3	Fuel heater/water separator provided inside of engine compartment YES X NC	•
	Manufacturer: Davco Fuel Pro 382 w/12 v Prehent	
X8.5.1.3.1	Engine fuel system equipped with primer pump YES X NO	•
X8.6.1.4	Exhaust:	
X8.6.1.4.1	Single vertical exhaust pipe with underbody muffler that will meet all Federonise abatement requirements YESNO	
	Exhaust to the passenger (right) side of unit X YES NO	+

	58
X8.6.1.4.2	Is tail pipe shielded or insulated to protect personnel from burns when entering or exiting the cab
	The shield is <u>\(\nu.A.\)</u> degrees to <u>\(\nu.A.\)</u> degrees and of non-rustable material such as stainless steel or aluminum \(\frac{X}{2}\) YES NO
	Manufacturer:
X8.6.1.4.3	Exhaust pipe with rain cap or exhaust turn out YESNO
X8.5.2	Jacob's Engine Brake Cummins C-Brake Mack Power Leash compression and exhaust X or equal Volvo Engine Brake (IVIB)
X8.6.3	Are engine components facing wheel areas, on both sides, and the areas to the rear of wheels shielded by means of rubber skirts supported by easily removable steel rods -No Still Rods. YES _X NO
X8.6.4	Engine oil pan is zinc nickel plated aluminum or non-corrosive coated
X8.7 Clutch	1:
X8.7.1	Externally lubricated and manually adjusted with torque limiting clutch brakeYESNO
X8.7.2	Clutch adjustment set to specifications prior to delivery to the Department YESNO
X8.7.3	Is clutch dual plate ceramic clutchX_ YES NO
	Size: 15.5 inch Kwik adjust (manual feature) YES X NO
	Manufacturer and model: <u>Faron Solo</u> with 7-spring damper XYES NO 9-spring
X8.7.4	Does clutch meet or exceed peak engine torque YES NO
	ng System: Is it capable of maintaining engine temperature within the manufacturer's mended range during continuous operation
X8.8.1.	Does the system incorporate a thermostat and bypass for warm upXYESNO
	Is it filled with permanent type Dex Cool extended life or equal antifreeze rated to a -30° F or lowerNO
	Is it a low silicate type antifreeze for diesel engines only YESNO
X8.8.2	Is it the largest factory available engine cooling capacity compatible with engines and transmission referenced and for continuous high engine output under extreme temperatures and/or operating conditions due to prolonged snow plowing operations in low gears

X8.8.3	Is unit fitted with provisions for visually monitoring coolant without necessitating removal of the cap from the radiator or expansion tank
X8.8.4	Does the radiator mounting provide adequate clearance to facilitate the installation of a crankshaft driven PTO drive shaft YESNO
X8.8.5	Distance between the extreme tip of the radiator fan blade and the centerline of the crankshaft to insure adequate clearance for PTO drive shaft: inches
X8.8.6	Radiator and heater hose manufacturer: Volvo EPDM Hose'S
X8.9 Fuel	Tanks:
X8.9.1	Safety type aluminum fuel tanks as required by FMVSSX_YESNO
X8.9.2	Single aluminum usable: 70 U.S. gallon; frame mounted X YES NO
X8.9.3	Driver and passenger entrance steps-grated self cleaning safety step X YES NO
X8.9.3.1	Are all edges banded (skirting) on the outer perimeter
X8.9.3.2	Top of first step above ground: 23 inches
X8.9.4	Is a fuel draw system provided that meets all Federal 2007 emission standardsX_YESNO
X8.10 Elect X8.10.1	rical System: Type: Manufacturer's 12 volt negative ground system with manufacturers radio interference Suppression NO
X8.10.1.1	Circuit breaker equipped, in easily accessible location, weatherproof X YES NO
X8.10.2	Three (3) X or four (4) heavy duty – 12 volt batteries, maintenance free with sealed terminals YES NO
X8.10.2.1	Reserve capacity: /85 minutes @ N.A. degrees F
X8.10.2.2	Cold crank AMPS: 3000 total @ O degrees F
X8.10.3	Alternator capacity: AMPS with internal regulator YES NO
X8.10.4	Wiring: Heavy duty hypalon type or equal in heavy duty sheathing, bundled with lacing cords or non-metallic tie straps YESNO
X8.10.5	Lighting: Are provision made available for all required lighting on completed unit (number, location, and color) to conform to the West Virginia Motor Vehicle Code X YESNO
X8 10 6	Auxiliary snow plow/salt spreader lighting package X YESNO

X8.10.6.1	Truck vendor will provide feet of wiring bundled at the end of the frame for body vendor hook up of tail lights and etc. in the dump bed body YESX_ NO
X8.10.7	Will manufacturer X or successful vendor make provisions for manufacture approved wiring and weatherproof disconnect plug X YES NO
	Manufacturer and Model: Weather Be Part # 12110751
	seven (7) pin connector X YES NO with foot "pigtail" to
	operate combination left and right turn/park lights/auxiliary headlights _X YESNO
X8.10.7.1	Are provisions for weatherproof disconnect plug located at lower left front grille-bumper area _X_YESNO
	All wiring connections weatherproof with wiring encased in wire looms X_YESNO
X8.10.7.2	Is a 7 way trailer connection light socket mounted at rear of truck frame X YESNO
	Manufacturer and Model: Cole Heasee Part 12081
X8.10.7.3	Has manufacturer provided body builder circuit interface capability with connection plug to be located at rear of frame for body builder connection to stop, tail, and marker light circuits, ignition controlled auxiliary feed to ground to provide splice free chassis wiring integrity YESNO
X8.10.7.4	Has manufacturer provided body builder circuits – three (3) switches XYESNO
	located in the dash instrument panel with one (1) weather protected body builder connection box or module located at the rear under cab YES NO
	<u>N.A.</u> amps per channel, <u>N.A.</u> amp maximum outputYESNO
	Do dash switches control the power module with LED backlighting X YES NO
Do l diffe	rer Train Overview: Lubricants for front axle hubs and differentials, manual transmission, transfer cases, and all rear erentials meet or exceed all appropriate MIL and SAE specifications for synthetic lubricants and all is identified as synthetic or painted red
X8.11.1	Transmission: <u>Faton Fuller</u> RTO-14908Utransmission oil cooler X YES NO
X8.11.1.1	Magnetic drain plug NO
X8.11.1.2	Does transmission torque capacity meet or exceed specified engine torqueYESNO
X8.12 Driv X8.12.1	veline: Manufacturer and Model: Spice Life with XL U-Joints

X8.13 Rear A	Axle:			61
X8.13.1	Manufacturer and Model: <u>ARVIN MERITOR RT46-</u>	160		
X8.13.2	Is each unit equipped with driver controlled main locking different that is manually cab controlled	tial in forwar _X_YES	d and rea	r axle IO
X8.13.3	Ratio: Does gear ratio determined give the vehicles the capability approximately 70 MPH If not 70 MPH, please specifyMPH	of a top spee _X_YES	d of	IO
X8.13.4	Is housing aluminum or other lightweight material	YES	X_N	O
X8.13.5	Rear wheel seals: Chicago Rawhiae Plus XL			
X8.13.6	Drain plug, magnetic	X YES	N	O
X8.14 Front s	gispension:			
X8.14.1	Capacity at ground each front spring 10,000 lb. Total spring capacity 20,000 lb.			
X8.14.2	Are the front spring pins or bearings/bushing furnished with 360 d adequate lubricant penetration	egree grease XYES	grooves 1	to insure O
X8.14.3	Are spring hangers heavy castings with sufficient pin and bearing service	surface to re	nder troul	ole free O
X8.15 Rear st	aspension: Hendrickson RT463			
X8.16 Front A	∆xle:			
X8.16.1	Capacity: 20,000 lbs.			
X8.16.1.1	Does the front axle, drag links, and tie rods have grease zer	ks installed XYES	N	O
X8.16.2	Heavy duty shock absorbers	X YES	N	O
X8.16.3	Oil lubricated front wheel seals X YES NO Manufacture	er: Chicag	O RAN	s hise
X8.16.4	Does unit provide adequate tire clearance at maximum turning ang			
X8.17 Brakes				
X8.17.1.1	Type: Full air, with manufacturers ABS in compliance with requirements		errent FM ES	
X8.17.2	Compressor: Manufacturer and Model: WABCO 55634	<i>31.8</i> cu.	ft.	
X8.17.3	Service Brake Size:			
X8.17.3.1	Front: <u>/6.5 x 7</u> "S' disc brake system providing equal performance	" cam <u>X</u>	OR power	r front

X8.17.3.2	Quick change type single X OR double anchor pin if	drum type brakes62	2			
	Rear: 16.5 x 7 "S" cam with quick change type single X					
X8.17.3.3	OR double pin		_			
X8.17.3.4	Are all brake chambers sealed brake chambers with epox Chambers	y exterior coat on front and rear YES NO	Γ			
	Manufacturer:		•			
X8.17.4	Do drum brakes have automatic slack adjusters and are clearance adjustment on application of the brake	e sensing type only, with X YES NO				
X8.17.5	Parking Brake: Rear wheel spring type – severe service spring by Manufacturer and Model:	rakes X YES NO				
X8.17.5.1	Does parking brake provide modulated emergency braking of a rear service system failure	ng via the foot valve in the evenNO	ıt			
X8.17.6	Air dryer with heater 23 inches above road service					
	Manufacturer and Model: Wakes 1200 UP					
	with spin on desiccant cartridge or equal X YES NO					
	Is the installation made in concurrence with the air compressor n	nanufacturer's recommendationXYESNO	ıs			
X8.17.6.1	Are all electrical connectors for drain valve and air dryer material or have sealed connections	covered with heat shrinkXYESNO				
X8.17.7	Manufacturer's standard air tanks for service brakes	_X_YESNO				
	Auxiliary tank for parking brake	X_YESNO				
X8.17.8	Low air pressure warning light and buzzer	X YES NO				
X8.17.9	Rear service brake chambers and spring brake chambers mounter for tire chains and backing into bituminous paving machines	d to provide adequate clearanceX_YESNO	?			
	Factory installed	_X_YESNO				
X8.17.10	Brake dust covers installed on all wheels	_X_YESNO				
X8.17.11	Unit equipped with hand control valve, tractor protection valve, of glad hands at rear of truck to enable unit to pull air brake oper	with provisions for installation rated equipment trailerX_YESNO				
X8.17.11.1	Are glad hands recessed as not to stick out past the end of	f frame railsX_YESNO				

X8.18 Tires X8.18.1	nd Wheels: Truck equipped with hub piloted steel disc wheels for tubeless tires X YES N	1O
X8.18.2	Wheel end equipped with outboard cast brake drums X_YESN	0
	15 degree tubeless steel wheels, hub piloted, 10 hole – 285.75mm bolt circle with 220mm two-piece flange nuts XYESN	n O
X8.18.3 X8.18.3.1	Front: Wheels: Size: 22.5 x 9.00 10 hole 285.75 mm bolt circle with 220 mm bore, tubeless steel disc X YES	NO
	Rated at 10,000 lbs. at a maximum inflation pressure of 130 PSIG.	
	Manufacturer and Model: Accurios With 0.500 inch thick disc, non standard off set with steel hubs X YES	_NO
	Powder coated with color similar to gray YES X N	0
X8.18.3.2	Tires: 3/5/80R22.5 L Ply 20	
X8.18.4 X8.18.4.1	Rear: Wheels: Size: <u>22.5 x 8.25</u> 10 hole – 285.75 mm bolt circle with 220mm bore, tubeless steel disc X YES_	NO
	Rated at 7400 lbs. at a maximum inflation pressure of 120 PSIG	
	Manufacturer and Model: Accuring With 0.472 inch thick disc 4,37" Disc YES X N	O
	Powder coated with color similar to gray	О
X8.18.4.2	Tires: //R22.5H	
X8.18.4.3	Does the dual rear wheel/tire assembly have clearance between the tires, which p the use of dual tire chains YES New YES	
X8.18.5	All wheels have wheel separatorsX_YESN	0
X8.18.6	Radial Tires:	
	Front Radial Tire: Manufacturer and Model: Goodrene 287 msa	
	Rear Radial Tire: Manufacturer and Model: Goodyear 6244 msp	
X8.19 Steer	3 :	
X8.19.1	Power steering: Dual integralOR single integral typeX hydraulic power stee with right wheel power-assist cylinderX YES No.	ring O

X8.19.2	Steering system: (flow, pressure, relief valve etc):			64
	Manufacturer: TRW THP 60			
X8.19.3	Hydraulic supply pump: Vane type OR roller type with some (1) steering wheel revolution per second with front axle loaded on, in a "park" condition	to rate	ent oil flowed capacity, YES	with plow
	Manufacturer and Model:			
X8.19.4	Is the pump the integral filter type unit	_X	YES	NO
X8.19.5	Power steering reservoir: "Remote mounted"	X	YES	NO
	Capacity: <u>v.A</u> qt. Filter is easy to remove and replace	<u>X</u>	YES	NO
X8.19.6	Is the remote filter factory mounted, certified, and engineering apprapriate pump	oved i	n conjunction	on with the NO
X8.20 Featur	es considered as standard equipment but not addressed:			
	Describe proposed method of painting: DONT IMPON 6000 BASECOAT CLEARCOAT			
X8.22 Detail	Decorative Stripes with Logo:			
X8.22.1	Width: inches			
X8.22.2	Will WVDOH logo area comply with 8.22.2 of specification	_X_	YES	NO
X8.22.3	Does conspicuity striping material provided meet requirements of S 8.22.8 of specification	ection X	8.22.3 thro	ugh NO
X8.23 Does u	unit offered meet or exceed "Occupational Safety and Health Act of	1970"_	X YES	NO
X8.24 Does u	unit conform to the advertising guidelines	YES _	NO	
X8.25 Prever X8.25.1	ntive Maintenance and Operator's Training School Will a preventive maintenance and operator's training seminar be p	rovide	d <u>X</u> YES	NO
X8.25.2	Will booklets and pamphlets be furnished to be used by the operator	rs <u> X</u>	_ YES	NO
X8.25.3	Will you furnish all training aids; i.e. videos, projectors, etc . requir	ed in c	onducting to	he training NO

X9.1

X9.3

X9.5

Terrain

X YES ____NO

SPECIFICATIONS - 304 STAINLESS STEEL COMBINATION DUMP/SPREADER BODY X9.0

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. Bidder: ACE TRUCK EQUIPMENT CO. Address: 1130 NEWARK RD. ZANESVILLE, OH 43701 Telephone Number: 740,453,0551 Years company has been an authorized dealer for proposed unit: 12 years Manufacturer, model, series, and date of manufacture of proposed combination dump/spreader body: HENDERSON MUNI-WV 07 Is descriptive literature full describing proposed combination dump/spreader body attached to your bid _X__YES____NO proposal? If NO, refer to specification statement Section 6.6 When will required number of operating manuals, service manuals, and complete parts list be delivered to the Equipment Division at Buckhannon? _____ prior to deliver of unit or WITH FACH UNIT Does the combination dump/spreader body have a minimum two (2) year basic bumper to bumper ___X_YES____NO Warranty including parts and labor? Body capacity: 12.7 cubic yards water level Sideboard pockets and tailgate height provides additional capacities of 2 to 5 cubic yards X9.2 Front body bulkhead: 3/16" inch 304 stainless steel Does cab shield have sufficient clearance to ensure shield will not hit exhaust when dumping on uneven X9.4

Two (2) front truck frame mounted tow hooks or eyes accessible through bumper X YES ____NO

X YES NO

66

X9.6 Dimensions: Inside length of body: 174 inches X9.6.1 Inside width of body: ____88 ____ inches wide to maximize capacity and lower the center of X9.5.2 gravity Outside width of body: 95 at the integral fenders X9.6.3 Body spacing from cab ____4 inch X9.5.4 Basic side height: 45 inches (measure from the floor to top rail) X9.5.5 Tailgate height: 53 inches (measure from the floor to top rail) X9.6.6 Body overhang: 10-18 inches (measure from center of hinge pin) X9.5.7 Cab protector: 22 inches x 94 inches with adequate clearance for cab X9.6.8mounted air horns X YES ____NO X9.7 Cab protector sloped rearward for drainage purposes Construction of the body sides, front, head, and tailgate: X9.8Steel type: 304 STAINLESS STEEL Floor: 1/4" inch thickness 304 stainless NO OR abrasion resistant AR400 YES X9.8.1 Sides: 3/16 inch thickness X9.8.2 Tailgate plate: 3/16 __inch thickness X9.8.3 Top rail: 3/16 inch thickness X9.8.4 Cab protector: 10 gauge X9.8.5 Longitudinal: 10 inch/ 7 gauge 304 stainless steel formed inner/ X9.8.6 gauge 304 stainless steel formed with internal stainless steel gussets every 30 inches For future potential pre-wet application, will the combination body be capable of accepting X9.8.7 X YES NO frame mounted approximately 85 gallon poly liquid tanks Is the body designed to allow maximum protection to the tanks X YES NO Is all the welding inside the body continuous and not skip welded X YES NO

Are all rails and posts continuous welded

X9.10 Ar	e the rear corner posts full length, one (1) piece construction	<u>_x</u>	YES _	NO	67
X9.10.1	Will a rear bolt on spreader apron be provided unless integrated in	to the r	ear of the	bed NO	-
X9.11 Ca	b protector sides, formed with gussets, extending forward 22	inches			
C1	earance above highest point of cab is inches				
X9.12 Isl X9.12.1	body a unibody design — no crossmembers Does the body have one (1) piece sides and floor which incorporat radius to adequately feed material to conveyor chain	es a slo	YES pping floo YES	or to side	
X9.12.2	The sides of the body slope to the conveyor to facilitate self cleani	ng of b	ody with YES	out raising	3
X9.13 Th	ne boxed top rail slopes inward to shed debris	X	_YES	ио	
X9.14 Fu of	ll length 304 stainless steel integral rear fenders are continuously welde the truck chassis	ed and p	positione YES _	đ ov e r who	eels
	there an integrated center conveyor providing the ability of the body to body down	convey X	y granula YES _	r materials NO	with
X9.15.1	Does the conveyor have 12 inches or less truck frame to body floo gravity and lower mounting height	r heigh	t for low YES_	er center o)f
X9.15.1.1 X9.15.2	Will wood products be used between truck frame and bed N/A CONVEYOR LONG SILLS SIT DIRECTLY ON TRUCK FR 1/4 inch 304 stainless steel NO conveyor floor OR abrasion resists.	AME.			
X9.15.3	2 inch diameter front and rear shafts with eight (8) tooth sprockets	<u> X</u>	_YES _	NO	
X9.15.4	Drive sprockets are double keyed to shaft	X	YES_	NO	
X9.15.5	Conveyor width: 25 inches				
X9.15.6	Is conveyor reversible	X	_YES	NO	
X9.15.7	Is conveyor driven with 25:1 planetary gearbox drives on both the	front a	ind rear s	hafts NO	
	Hydraulic motors 5.0 CIR		_ 1123	110	
	Does one (1) motor have an integral conveyor speed sensor	<u> X</u>	YES_	NО	
X9.15.8	Is conveyor chain D667K pintle type (24,500 lb. tensile/strand)	X	_YES_	NO	
	With 3/8 inch x 1 1/2 inch conveyor crossbars we	lded to	every li	nk	
X9.15.9	Is there a 10 gauge 304 stainless steel bolt in pan under the convergence	yor to l	ceep mate _YES _	erial off ch	assis

	the body have the capability to convey to the front or the rear with ibuting material	a mater X	ial spinne: _YES	r for NO
X9.16.1	For front spreading, is there a front feedgate integrated into the he than 8 inches x 24 inches with infinite adjustment positions	ead she	et of the b _YES	ody no less NO
X9.16.2	A 304 stainless steel front spinner chute mounted between chassi down be completely enclosed to prevent material from dropping	on chas	rails and sis drive s YES	nan
X9.16.3	For rear spreading, a 7 gauge 304 stainless steel 10-	12X	inch x <u>24</u> YES	1-26 inch NO
X9.16.4	Is rear feedgate lever operated <u>YES</u> or screw adjustable <u>NO</u> positively locked into position	The fee	edgate cap YES	able of being NO
X9.16.5	Is the front spinner bracket and chute mounted to the truck chass; capability the rear spinner chute and brackets installed by success	sful ver	e and for r ndor YES	
X9.16.6	Is the spinner assembly universal and may be used at front or rea	r <u>X</u>	_ YES _	NO
X9.16.7	Is the spinner assembly adjustable left to right, and up and down placement of material on spinner disc to facilitate control of spre	ad patte	re accurate em YES	
X9.16.8	Does 10 gauge 20 inch diameter spinner disc have replaceable m	achine	l hub YES	NO
X9.16.9	Is spinner disc vanes 409 NO or 304 YES stainless steel			
X9.16.10	If spinner hydraulic motor is mounted on top of spinner disc, the removable material shedding protective cover	motor X	is enclose YES	d in a NO
X9.17 Hyd	raulic Hoist:			
X9.17.1	Is it a trunnion mount or top lift telescopic hoist _X			
X9.17.2	Is telescopic hoist no less than N.T.E.A. Class 70	<u> X</u>	_YES_	NO
X9.17.3	Is single hoist cylinder trunnion mount or top lift X			
X9 .17.4	Does hoist cylinder have three (3) stages with 135 inches of stages	roke w	ith a six (6 YES	inch diameter NO
	Manufacturer and model: MAILHOT (\$135-6-3			,
X9.17.5	Does the cylinder have wear and corrosion resistant nitrided cyli	nder tu	bes X	YESNO

OCT-15-20 0 7	MON 01:58 PM ACE TRUCK ZANESVILLE	FAX:740 45	3 7023	P. 006/010
X9.17.6	Cylinder warranty: 2 years			69
X9.17.7	Does a five (5) degree oscillating cylinder collar protect the cyltrunnion mount cylinder provided	inder again	st side stress YES X NOT APPLIC	i, if NO CABLE
X9.17.8	Does the body have 6 inch x 8 inch x 1/2 inch structural angle the truck chassis frame	rear hinge a	ssembly inst	alled in
X9.17.9	Does the rear hinge assembly have cold roll steel hinge pins co blocks with grease zerks	nnecting to	2 1/2 inch h YES	inge NO
X9.18 Are th X9.18.1	te following features included: Warning light (bed raised) console mounted	X	YES	NO
X9.18.2	Hydraulic oil level reading	<u> </u>	YES	NO
X9.18.3	Safety decals as required	X	YES	NO
X9.18.4	304 stainless steel mud guards, 10 gauge x 24 inches x 30 inch of rear wheels	es permane	ntly attached YES	l in front NO
	Will body vendor align exhaust stack for body clearance	X	YES	NO
X9.18.5	304 stainless steel shovel bracket	X	YES	NO
X9.18.6	304 stainless steel gussets (board pockets) for 4 inch x 6 inch l rear and mid-rail	umber (rou	gh) located a	at front and NO
	4 inch x 6 inch (rough) oak sideboards supplied and bolted thro	ough the gu	ssets YES	NO
	Painted aluminum to match the body	X	YES	NO
X9.18.7	Does the unit have air operated tailgate with dual brake chamb side)	oer air tailga	ate latches (o YES	ne on each NO
	Pivot shafts included stainless steel bushings to eliminate seizi	ing <u>X</u>	YES	NO
X9.18.8	1 1/2 inch 304 stainless steel grip strut walk rail installed on b	oth sides of	the body YES	NO
X9.18.9	OSHA approved backup alarm, electronic ambient, adjusts to mounted at the rear	background X	l noise, 112 (YES	dba shock NO
X9.18.10	OSHA approved body support, both sides	X	YES	NO
X9.18.11	Unit equipped with 49,000 lb. capacity pintle hook centered b	etween rear	frame rails YES	NO
	Manufacturer and Model: WALLACE B30			. - · ·

X9.18.12	Air deflector-hood mounted, blue or smoke	<u>X</u>	YES _	NO	70
	Deflector manufacturer's standard width for truck mode Width: DEPENDS ON CHASSIS MAKE	_X	YES	NO	
	Access to front end hood tilt handle	X_	YES_	NO	
	Extra handle		YES _	X NO	
X9.19 L	ighting: Weather/shock resistant lights LED type with average amp dra-	w betwe	en .045 - YES	.72 NO	
N	Nanufacturer and Model: TRUCK LITE MODEL #0				
	all connections have sure snap plug assemblies and epoxy sealed electrond vibration	nics to p	rotect ag	gainst sho	ck
X9.19.1	All marker lights 2 1/2 inch diameter flush mount sealed beam lig mounted in rubber base TRUCK LITE TL10250R	hts with	integral	reflector NO	
X9.19.2	All ground wires attached with plated steel fasteners	<u> </u>	YES _	NO	
X9.19.3	Rear lights shock mounted, recessed oval stop, tail, turn, and recemounted in back post TRUCK LITE TL60250R	essed ove	d back u YES	p lights NO	
	Strobe lights marked and switched from dash board location	X	YES	NO	
	Manufacturer and Part #: TRUCK LITE 60360Y				
X9.19.4	Center rear I.D. lights three (3) located in truck chassis	X	YES_	NO	
X9.19.5	Two (2) amber oval LED strobe lights mounted at the front corner (2) amber oval LED strobe lights mounted at each outside corner	of the c	ab protec		d two
	Manufacturer and Part # of Both Locations: TRUCK LITE 60360Y	,	-		•
	Strobe lights marked and switched at dash board location	X	YES _	NO	
X9.19.6	Auxiliary headlights for snowplowing application shock mounted	l on fend	ier of un	it	
	Manufacturer and Part #: TRUCK LITE 80853		_ I ES	NO	
X9.19.7	Two (2) oval amber LED strobe lights mounted at top of rear corswitched in combination with cab protector strobe			nd left side	es and
	Manufacturer and Model: TRUCK LITE 60360Y				
X9.19.8	Two (2) front frame mounted tow hooks	<u> </u>	YES _	NO	
X9.19.9	Lighted license plate bracket	χ	YES_	NO	

X9.20 Are the	e following at the front or rear both sides of the body:			
X9.20.1	304 stainless steel fold down ladder that locks into position when e position	ither in	the down o	r up NO
X9.20.2	Two (2) 304 stainless grab handles	Х	YES	NO
X9.21 Tailga	te (304 stainless steel):	<u>X</u>	YES	NO
X9.21.1	Tailgate hinged at top, flame cut hardware, pork chop type off-set lopening of tailgate, but has provision for pivoting at the bottom	hardwa X	re to achiev YES	e maximum NO
X9.21.2	Flush mount, 1/2 inch flame cut 304 stainless steel tailgate pivots	<u> X</u>	YES	NO
X9.21.3	Heavy duty offset hinge plates, one (1) inch flame cut 304 stainles	s steel_	X YES	NO
X9.21.4	3/4 inch 304 stainless steel latch hooks with 3/8 inch 304 stainless	steel la	tch plates YES	_NO
X9.21.5	Full perimeter 304 stainless steel boxing with all horizontal edges	sloped X	outward YES	_NO
X9.21.6	Two (2) 10 gauge 304 stainless steel sloped horizontal braces that Boxing	are flus	sh with perin	neter _NO
X9.21.7	7 gauge 304 stainless steel 10-12 inch x 24- 26 inch rear feedgate	<u> </u>	YES	NO
X9.21.8	Cold roll steel upper pins with grease zerks	<u> </u>	YES	NO
X9.21.9	Top hinge channel has removable, chain tethered keeper pins	<u> </u>	YES	NO
X9.21.10	Latching action at the bottom of gate operable by the truck driver	withou X	t leaving the YES	truck cab _NO
X9.21.11	Gate is self aligning	X_	YES	_NO
X9.21.12	Tailgate lower latch pins 304 stainless steel 1 1/4 inch diameter	_X	YES	_NO
X9.21.13	Body integrated or bolt on 304 stainless steel 15 inch spreader apr	on_X	_YES	_NO
hoisti	in and strength characteristic of the entire body such that the unit strang a system will not suffer any deformation, damage, or structural fail buted full payload	ure res	members ar ulting from YES	raising a
9.23 Bump	per:			
X9.23.1	Bumper formed out of 1/4 inch roll steel X YES NO			
	Weight 10 20ths per square foot			

*	•				
X9.23.2	Bumper face covers all of truck frame (12 inches) with two (2) and bottom	flange X	s of <u>2.</u> YES _	<u>25</u> inches NO	top
X9.23.3	Overall width of bumper: 94 inches				•
X9.23.4	Bumper straight across front from centerline of truck chassis 21	_ inche	es each s	ide of	
	Centerline, making bumper straight 42 inches long in center v	vith en	ds swep	t back	
	30 degrees and 27 inches each side.				
X9.23.5	Bumper has two (2) access holes for utilization of tow hooks	<u> X</u>	_YES_	NO	
X9.23.6	Upper and lower flanges cut and welded solid at point where bump smooth	er is b	ent and YES_	ground of NO	Ť
X9.23.7	Bumper mounted by two (2) mounting angles bolted to front of tru 5/8 inch bolts each side	ick fra	me with _YES _	two (2) NO	
X9.23.8	Mount angle 3/8 inch x 3 inches x 8 long with for	ır (4) 5 X_	5/8 inch _YES _	holes NO	
X9.23.9	Paint on front bumper: BLUE 82-5802		•	· · · · · · · · · · · · · · · · · · ·	.
X9.24 Under	rbody Tool Box:				
X9.24.1	One (1) tool box mounted under body on right side frame rail	X	YES	NO	
X9.24.2	Tool box 18 inches high, 24 inches wide, 18 inches angle frame attached to the truck frame	deep	cradled YES	by a heavy	y steel
X9.24.3	Construction14 gauge, _A-60 galvanneal steel with all sean	ns wel	ded	_YES	NO
X9.24.4	Tool box has horizontal hinged fold down door	χ	_YES	NO	
X9.24.5	Tool box door has cable or chain to hold the door in a horizontal p	ositio	n <u>χ</u>	YES	_NO
X9.25 Load	covering system electrically or air controlled	Х_	_YES_	NО	ı
X9.25.1	Electric motor assembly includes 12 volt direct drive motor with a mounted control switch, resettable circuit breaker	orward X	d and re	verse actio	on, cab
X9.25.2	Pivot arm assembly constructed in a two (2) piece bent arm config	guratio	n of <u>1</u> 1	<u>/4</u> inch	
	14 gauge steel tubing	<u> X</u>	_YES	NO	ı
X9.25.3	Bent arm extensions constructed of 1 inch 14 gauge ste	el tub	ing		
X9.25.4	Rear cross constructed of 1 1/4 inch 14 gauge steel tubing	·			

	•				13
X9.25.5	Pivot arm rests included	<u> X</u>	YES	NO	
X9.25.6	Underbody spring extension spring 12 inches in length attached body with articulating spring mounting bracket	hed to l	base of piv _YES	ot arm and NO	of
X9.25.7	All steel components finished with manufacturer's recommended adequate primer and paint	l rust pr	eventative _YES	system w	ith
X9.25.8	Steel cab protector mounted triple bend wind deflector provided	<u>X</u>	_YES	NO	
X9.25.9	Load covering system provided with a 18 oz. black vinyl tarp	to fit 1	4 foot 6 in YES	ch body NO	
X9.25.10	Load covering system supplied with all necessary hardware and of Division of Highways as a complete and operational unit.	leliv e re	ed to the W YES	est Virgin NO	ia
X9.26 Pair X9.26.1 – X	nt: Describe proposed method of painting X9.26.4				
NO	PAINT ON STAINLESS	 			
NO	N STAINLESS BODY PARTS PAINTED ALUMINUM				
FR	ONT BUMPER PAINTED BLUE			ř	
X9.27 Deta	ail/Decorative Stripes with Logo: I striping and detailing you provide comply with requirements of Sec	tion 9.:	27.1 throug YES	gh 9.27.7 NO	
X9.28 All	body features considered as standard, but not specifically addressed:				
· · · · · · · · · · · · · · · · · · ·		*******			
X9.29 Dos	es the proposed unit meet or exceed the "OSHA OF 1970" and/or sub	sequer X	at changes YES	NO	

74

X10.0 SPECIFICATIONS - CENTRAL HYDRAULIC SYSTEM

Is the central hydraulic system designed to operate the following:

A front mounted telescopic dump body hoist cylinder, a hydraulically driver spreader system requiring the simultaneous operation of two (2) hydraulic modes with conveyor reverse, a single acting snowplow lifting cylinder, a system, plow balance system and an auxiliary equipment drive circuit	notors i nowplo	n two (2) d w power as	iHerent igle
Are provisions made for future add on pre-wet system X Y	æs	NO	
Bidder: ACE TRUCK EQUIPMENT CO.			
Address: 1130 NEWARK RD. ZANESVILLE, OH 43701	·		
Telephone Number: 740.453.0551		····	
Years company has been an authorized dealer for proposed unit: 12	years	}	
Manufacturer, model, series, and date of manufacture of proposed central h	ydraulio	system:	
COMPONENT TECHNOLOGY MODEL SG03040008 WEST VIRGINIA SYSTEM M	IANUFAC	TURED AS	
REQUIRED FOR CONTRACT.			
Is descriptive literature full describing proposed central hydraulic system at proposal?	ttached	to your bid ES	NO
If NO, refer to specification statement Section 6.6			
When will required number of operating manuals, service manuals, and cor to the Equipment Division at Buckhannon? prior to deliver of t	mplete p unit or _	earts list be	delivered UNIT
Describe:			
Pre-Wet System:			
Does supplied spreader control contain the ability to control a closed loop p	ore-wet	system ŒS	NO
Does system operate using a flow meter feedback circuit	<u> </u>	ÆS	NO
Does controller software allow for adjustability of pre wet output by the opper ton	erator, i	epresented ÆS	in gallons NO
Is information related to pre wet application rate and total flow in gallons define pre wet system is active	isplaye X	d on the scr ÆS	reen while NO
Does central hydraulic system have a minimum two (2) year basis bumper parts and labor?	to bum	er warrant	y including NO

X10.1 Pump X10.1.1	System: Pump: Variable volume pressure compensated load sensing axial p	iston ty	ре	NO
		X	YES	-140
X10.1.2	Front mounting flange and main housing/case of cast iron construct	tion <u>X</u>	YES_	ио
	Inlet and outlet port section of high strength ductile iron with SAE type porting	split fla	ange porting YES	g or orb _NO
X10.1.3	Is suction port and associated plumbing sized to allow for minimus pump and the suction port on the reservoir?	m inlet	restriction l	etween the _NO
	Does installation comply with pump manufacturers allowable inle	condit	ion specific	ations _NO
	Is suction plumbing equal to or greater than pump inlet or suction	size <u>X</u>	YES	NO
X10.1.4	Is pressure port of the SAE split flange or ORB type side mounted solenoid shut down valve assembly	for dir	YES	unting of _NO
X10.1.5	Case drain and load sense signal ports of the SAE O-ring type	X	YES	_NO
	Case drain line taken directly to tank without passing through the	return 1	ine filter YES	_NO
X10,1.6	Input shaft has a minimum continuous torque rating equal to 200 pump is operated at maximum engine rpm, maximum displacement	nt and s	he imposed ystem press YES	sure
	Is it minimum SAE "C" keyed	Х	YES	_NO
X10.1.7	Front input shaft bearing heavy duty ball or roller type designed for	or high X	axial and ra YES	ndial loading _NO
	Rear shaft bearing of the high speed and load sleeve type design	Х	YES	_NO
	Bearings fully lubricated by flooded case oil	X	YES	_NO
X10.1.8	Ramp/swashplate supported by pressure lubricated bearings of the high piston load support	rocker _X	cam or sac YES	idle type for NO
	Ramp angle positioning by means of dual servo control cylinders precise pump output control	for rapi	id pump res _YES	ponse and NO
X10.1.9	Adjustable load sense and high pressure compensator control valvor of bolt on housing design for ease of replacement and repair	e asser	nbly of the _YES	full cartridge NO

X10.1.9.1	System design and components provide flow, pressure ar	nd performance requirements 76
	with a maximum operating load sense differential pressu	re of 300 PSI and a
	maximum standby pressure of 350 PSI for maximum	efficiency.
	If pilot control shifted valving is used, is it designed to be pressure range	e fully functional within thisXYESNO
X10.1.9.2	High pressure compensator valve preset to limit the maximum required operating pressure plus load sense disprevent premature de-stroking of ramp resulting in reduc	fferential and margin pressure to
X10.1.10	Pump Output: Is it capable of providing hoist cylinder extension	n required X YESNO
	Part number MAILHOT MODEL CS 135-6-3 - after filling 11 gallons is required to raise the cylinder:	15.5 gallons to fully extend bu
	10 GPM flow rate 15 GPM flow rate 20 GPM flow rate 25 GPM flow rate 30 GPM flow rate 30 GPM flow rate 31 Seconds to raise 32 Seconds to raise 33 Seconds to raise 34 Seconds to raise 35 GPM flow rate 36 Seconds to raise 37 Seconds to raise 38 GPM flow rate 39 Seconds to raise 39 GPM flow rate 40 GPM flow rate 40 GPM flow rate 40 GPM flow rate 40 GPM flow rate 40 GPM flow rate 40 GPM flow rate 40 GPM flow rate 40 GPM flow rate 40 GPM flow rate 41 Seconds to raise 42 Seconds to raise 43 Seconds to raise 44 Seconds to raise 45 Seconds to raise 46 Seconds to raise 47 Seconds to raise 48 Seconds to raise 49 Seconds to raise 40 GPM flow rate 40 GPM flow rate 40 GPM flow rate	10.2 gallons to fully extend
	Part number MAILHOT MODEL CS 135-6-3 1.2 gallons to fill and 9 gallons to extend	10.2. gamons to futry extend
·	5 GPM flow rate 10 GPM flow rate 15 GPM flow rate 20 GPM flow rate 25 GPM flow rate 30 GPM flow rate 40 GPM flow rate 47 seconds to raise 29 seconds to raise 22 seconds to raise 31 Seconds to raise 32 Seconds to raise 33 GPM flow rate 34 seconds to raise 35 Seconds to raise 36 GPM flow rate 37 Seconds to raise 38 Seconds to raise 39 Seconds to raise 30 GPM flow rate 30 GPM flow rate 31 Seconds to raise 31 Seconds to raise 32 Seconds to raise 33 Seconds to raise 34 Seconds to raise 35 Seconds to raise 36 Seconds to raise 37 Seconds to raise 38 Seconds to raise 39 Seconds to raise 30 GPM flow rate 30 GPM flow rate 30 GPM flow rate 31 Seconds to raise 31 Seconds to raise 32 Seconds to raise 33 Seconds to raise 34 Seconds to raise 35 Seconds to raise 36 Seconds to raise 37 Seconds to raise	
X10.1.11	Is the make and model bid in compliance with overall quality or performance of the pump supplied	f construction, design, and X YESNO
X10.1.12	Pump: Manufacturer and Model: REXROTH A10V071 SERIES 31	
X10.1.13	Is pump manufacturers standard product release and design	X YES NO
X10.1.14	Is pump driveline assembly of the keyed shaft design utilizing a matching drive yoke on the pump	a 4 bolt driveshaft flange andNO

X10.1.14.1	Does driveline have a minimum continuous torque rating equal to 200% of the imposed load when pump is operating at maximum system requirements χ YESNO
	Manufacturer and Model: SPICER 1310 SERIES
X10.1.14.2	Are dual journals and yokes incorporated to connect the pump shaft and engine drive flange with an angular misalignment no greater than six (6) degrees and not less than two (2) degrees
X10.2 Pumj	Shutdown System:
X10.2.1	Normally closed, energize to open, solenoid operated control valve of the cartridge and manifold design to be directly bolted to pump pressure port X YES NO
	Is solenoid electrical connection of the Packard "Weatherpack" type with "SO" cable wiring X YES NO
X10.2.2	Is valve controlled by a console mounted "Master On" switch with pilot lamp for normal system operation and by a float switch located in hydraulic reservoir to automatically shut off pump pressure port flow to all down stream functions in the event of low hydraulic oil level
X10.2.3	Pressure drop across valve 40 PSI at 40 GPM flow when in the switched open position
	Nominal valve rating 50 GPM at 3500 PSI
X10.2.4	SAE #6 gauge port equipped with Parker Hannifin Model PD361 diagnostic coupling nipple and protective cap provided for pump output pressure testing to be installed in valve manifold and within an easily accessible mounting position XYESNO
X10.2.5	Valve designed to protect the pump from damage when the system is shut down at high pressure and flow operationX YESNO
X10.2.6	Valve manufacturer and model: COMPONENT TECHNOLOGY
X10.2.7	Central control console mounted audio alarm and warning lamp indicating pump pressure/flow shutdown X YESNO
X10.2.8	Warning lamp press-to-test light and incorporate a switching system into the automatic shutdown assembly to simulate low oil level, shut off pump output flow and test float switch wiring and connection X YES NO
X10.2.9	A console mounted electrical override function switch provided to allow momentary operation of hydraulic functions in emergency situationsX_YESNO
X10.3 Dire X10.3.1	ectional Control Valve Assembly: Valve stacked section type and of closed center circuit design X YES NO

X10.3.2	Each work section pressure and flow compensated with fully integrated load sense network 78 X YES NO
	Flow output is relative to spool travel with preset maximum flow rate obtained at maximum spool stroke providing feathering control of operated function XYES NO
X10.3.3	Dump body, snowplow lift, and snowplow power angle sections of the manual cable shift typeX_YESNO
	Auxiliary circuit section of the electric solenoid shift type X YES NO
	Both ends of each section valve spool sealed with weather resistant caps or cable entry bonnets XYESNO
X10.3.4	Valve assembly flow capacity rating and pressure drop characteristics sufficient to provide for the required pump output and circuit flow rates at the specified maximum load sense differential pressure settings X_YESNO
X10.3.5	All valve ports of the SAE o-ring seal type and of sufficient size to handle required section flow rates at stated load sense differential pressure X YES NO
X10.3.6	A priority section installed to allow plow to raise in a system over demand situation X YES NO
X10.3.7	Main pressure inlet relief valve provided to reduce system pressure shock loads X YES NO
	Is it preset at pressure so as not to interfere with pump pressure compensator and to prevent premature relief opening at system high demand operation XYESNO
X10.3.8	If pilot pressure reducing valve is required for solenoid section control, design meets operating requirements as set forth in Section 10.1.9.1 X YES NO
	Pilot supply and tank venting internal within the valve assembly section X YES NO
X10.3.9	Load sense network high pressure relief provided and preset to limit system maximum operating pressure X YESNO
	Set point provides proper pressure margin to pump pressure compensator and high pressure relief valve as to prevent premature loss of required flow rates and pressure capability XYES NO
X10.3.10	SAE #6 gauge 0port equipped with Parker Hannifin PD361 diagnostic coupling nipple with protective cap for load sense testing to be installed in an easily accessible location XYESNO
X10.3.11	Dump body control section 3-way three (3) position spring centered cylinder spool for operation of a single acting hoist cylinder NO

X10.3.11.1	Full flow workport relief valve installed in power up port X YES NO 79
,	Set point to prevent operating pressure from exceeding hoist cylinder normal operating pressure ratingXYESNO
X10.3.11.2	Adjustable flow control installed to limit downward speed rate of dump body X YES NO
X10.3.12	Snowplow lift control section is 3-way three (3) position spring centered cylinder spool with float detent for operation of a single acting lift cylinderYESNO
X10.3.12.1	Full flow workport relief valve preset at maximum required unlock pressure installed in power down workport
	Workport relief valve installed in power up workport if maximum system pressure output setting exceeds normal operating pressure limit of plow lift cylinder XYES NO
	Is a three (3) way valve provided for plow hoist circuit X YES NO
X10.3.12.2	Adjustable flow control installed to limit downward speed of snowplow X YESNO
	Flow limiting control system preset for proper plow lift speed to be supplied to reduce over demand operation and to increase system efficiency X YES NO
	Will flow limit be determined at time of pilot model review X YES NO
X10.3.13	Snowplow power angle control section is 4 way three (3) position spring centered motor spool for operation of worm gear driven type reversing system X YES NO
X10.3.13.1	Flow limiting control system preset for proper plow reversing speed to be supplied to reduce over demand operation and to increase system efficiency X YES NO
	Will flow limit be determined at time of pilot model review X YES NO
X10.3.14	Plow Balance Valve:
X10.3.14.1	Is hydraulic system supplied with a plow balance valve X YES NO
X10.3.14.2	Is valve designed to offset a specific (adjustable) plow weight when activatedX_YESNO
X10.3.14.3	Does plow balance system not alter the operation of any other hydraulic function or have an adverse effect on the performance of other hydraulically operated equipment including:
	Wing Plow X YES NO Body Hoist X YES NO Plow Hoist or Angle X YES NO Spreader functions X YES NO

	Are all normal operations of the plow lift/lower functions maintained without additional tasks
X10.3.14.4	Will plow lift be immediate to guarantee safe operation of the vehicle XYESNO
X10.3.14.5	Are solenoid valve coils usedX YESNO
	Will they have manual override capabilities YESNO
X10.3.14.6	Does manifold valve include a pressure test point for use when checking balance pressuresXYESNO
X10.3.14.7	Is pressure test point capable of tapping into system at pressures of 5,000 PSI X YES NO
X10.3.15	Auxiliary equipment drive circuit control section 3-way three (3) position spring centered solenoid operated motor spool
	Is the circuit separate and distinct from the spreader control system X YESNO
X10.3.15.1	Flow limiting control system preset to provide 22 GPM at a system load pressure of
	2200 PSI. Pump is capable of supplying this flow rate with engine speed of
	1173.67RPM
X10.3.1 5. 2	Is an inline mounted control valve supplied for this operation in place of directional control valve section YES X NO
	If supplied, is proper interconnections and venting of load sense network system providedYESNO
X10.3.15.3	Is pressure line 3/4" SAE 100R2 hose and manifold mounted at rear of chassis and equipped with Parker Hannifin SH6-62 quick disconnect coupler and protective metal plug X YES NO
	Is mating nipple SH6-63 with protective cap supplied X YES NO
	Will mounting location be determined at time of pilot model review X YES NO
X10.3.15.4	Manufacturer and model of directional and auxiliary circuit valves:
	REXROTH MP-18 SERIES
X10.3.16	Is directional control valve assembly located in a combination tank/valve enclosure assembly to protect the hydraulic tank/valve from the elementsYESNO
	Capacity of reservoir (tank) 40 gallon

X10.3.17	Pre-Wet Circuit:
X10.3.17.1	Is a separate circuit provided to control an add-on pre-wet systemX_YESNO
X10.3.17.2	Is hydraulic valve of the sectional typeYESX_NO OR of the cartridge style contained in a manifold _XYESNO
X10.3.17.3	If manifold type valve is supplied, it it attached to the main valve assemblyX_YESNO
X103.17.4	Is all wiring to pre-wet hydraulic circuit provided as part of the system contained in the bidX_YESNO
X10.3.17.5	Is wiring to the control console related to the rest of the pre-wet system (low level float, flow meter connection, etc.) provided as part of the pre-wet package at the time of pre-wet system install X YES NO
X10.4 Sprea X10.4.1	der Control Valve Assembly: Are spinner and conveyor solenoid flow controls of the PWM proportional solenoid type and equipped with manual overrides XYESNO
	Are overrides manually adjustable over operating flow range in the event of electrical system failure X YES NO
X10.4.2	Flow control circuits are pressure compensated X YES NO
	Provides spinner and pre-wet flow rate of GPM and a conveyor flow rate of 15 GPM
	Pressure relief valve system limit circuits to 2200 PSI
X10.4.3	Load sense circuits connected to directional control valve network for proper pump controlX_YESNO
	Does design prevent improper high pressure load sense signal and pressure line loading when spreader valve is not in use and when spreader quick disconnects are uncoupled
X10.4.4	Is PWM solenoid control supplied by microprocessor spreader control system
	Are solenoids capable of 100% PWM signal without failure X YES NO NO
X10.4.5	Solenoid operated directional control valve and in-cab mounted electrical switch operates spreader conveyor reverse required for front or rear material discharge selection providedXYESNO
X10.4.6	Is electrical switching and indicator light for spreader clogged indication provided XYESNO
X10.4.7	Manufacturer and model of valve: REXROTH MP18 SERIES

X10.5 Spre	eader Control System:			
X10.5.1	Dual flow, ground speed oriented spreader control system of the based type with nonvolatile control memory	closed I	oop micro _YES	processor NO
X10.5.2	Automatic calibration and flexibility of programming	Х	_YES	NO
X10.5.3	System is capable of operation in ground speed oriented closed I loop, manual set, blast and unload modes and fully functional in discharge selection	both fro	veyor feed ont and res _YES	ir material
X10.5.4	Automatic switchover with display indication from closed loop t event of loss of feed rate sensor signal is provided	o open 1	oop opera _YES	tion in the NO
X10.5.5	Control console digital readouts capable of displaying actual appreced, distance of spread route driven and total quantity of mater	rial spre	rate, vehicad YES	
X10.5.6	Programming and output cable connection for material and trip is uploading is provided	nformat X	ion printer _YES	and program NO
X10.5.7	Control unit capable of accumulating display information up to 9 of discharged material	999,999 <u> </u>	miles and YES	999,999 tons NO
X10.5.8	Console programming capable of selection, calibration and displ materials with independent application rates of each material cap or to rate increments of a preset maximum application rate	pable of	being set t	to fixed rates
X10.5.9	A variable digital access code lockout for application rate selection perameters is provided	on and	for system _YES	operating NO
	Is it a key switch	X	_YES _	NO -
X10.5.10	Backlighted switches and LCD screen utilized for on-board prog and application rate selection	grammin X	g and for o	display readout NO
X10.5.11	Is material spread width selectable by no less than 10 position so maximum spinner speed totally programmable through entire flo	witch wi ow range	th minimu XYF	m and S NO
	Is spinner speed capable of linking to ground speed for on-off co	ontrol _	X YES	NO
X10.5.12	Does display enunciate error message and sound audio alarm wheteets any loss of control or accuracy		oprocesso _YES	
X10.5.13	Will system be fully functional at time of delivery	Χ	_YES _	NO
X10.5.14	Is truck speed sensor compatible with type of speedometer drive	system X	supplied o	on chassis NO
X10.5.15	Is a built-in ground speed simulator provided either internal to the	ne contro Y	ol or locate YES	ed in the NO

	,		•		83
X10.5.16	Are all components required for proper installation and operation and spreader units supplied	n of cont	rol system YES	onto truc NO	k
X10.5.17	Manufacturer and model of proposed control system:				
	COMPONENT TECHNOLOGY \$653 W/ GL400 CONTROL		· · · · · · · · · · · · · · · · · · ·		
X10.6 Cent X10.6.1	ral Control Console: Mounted between seats within easy access of the driver	X	YES	NO	
X10.6.1.1	Warning light (bed raised) control console mounted	Χ.	YES	NO	
X10.6.2	Will all wiring, valve control cables and electrical harness entry sealed with grommets	into cab	and conso YES	ole NO	
X10.6.3	Are remote control valve levers console mounted	<u> </u>	YES	NO	
	Are all levers clearly marked as to function and operation	X	YES	NO	
X10.6.3.1	Remote control levers to operate push-pull type cables word ends	rith .250"	diameter YES	stainless NO	steel
X10.6.3.2	Is inner cable member 18-8 stainless steel armor wrappe resistance nylon liner and polyethylene covered tempere	d steel w	ction with ire condu _YES	it	
X10.6.3.3	Is cable to valve connection of the weather resistant bon	neted typ	e <u>X</u> Y	ES	NO
X10.6.3.4	Hoist control lever OSHA compliant (hoist interlock)	X_	_YES	NO	
X10.6.4	Are central console or dash mounted rocker switches with indical lights, spreader light and plow lights isolated from all hydraulic	system c	ontrol cir	cuits	e .
X10.6.4.1	Are interconnections and cables installed and ready for c	peration	<u>X</u> Y	ES	NO
X10.6.4.2	Is hydraulic system automatic shutdown system and con-		hing rela		æ
X10.6.4.3	Relay(s) mounted within the cab	<u> </u>	YES	NO	
X10-6.4.4	An access plate to internal wiring is provided	X	_YES	NO	
X10.7 Hyd X10.7.1	raulic Reservoir: Tank/valve enclosure flex mounted to the chassis frame rail	X	_YES	NO	
X10.7.2	Tank constructed of 7 gauge 304 stainless steel	X_	_YES	NO	
X10.7.3	Tank equipped with a combination oil level sight glass and then	mometer	X YI	ES :	NO

X10.7.4	Tank equipped with a pressurized ten (10) micron filter/breather of Strainer	ap with	removab YES	le 500 micron NO
X10.7.5	Is an internal steel baffle provided within the tank	Х	YES	ио
X10.7.6	Tank stenciled with minimum of 1 1/2" high "Hydraulic Oil"	<u> X</u>	YES	NO
X10.7.7	Tank level switch connection "SO" type wiring and flange mount enclosure to protect it from the elements	ed with	in the tanl YES	c/valve NO
X10.7.8	Pump supply suction port 2 inches NPT and system report po	ort <u>1.2</u>	inches	NPT
X10.8 Filtra X10.8.1	tion: Manufacturers standard filtration to adequately protect the hydrau	lic syst	em from o	lamage NO
X10.8.2	Return line filter isolated from reservoir by a full flow non-restric valve if filter not installed in reservoir		e quarter _YES	
X10.8.3	Each filter equipped with a differential pressure switch to indicate means of a console mounted indicator lamp	filter o	clogged co YES	ondition byNO
X10.8.4	One (1) extra replacement filter for each assembly is provided for	each tr	ruck _YES	NO
X10.8.5	Filter assemblies positioned as close to reservoir as possible and i location	n an ea	sily acces _YES	sible service NO
X10.9 Hose X10.9.1	s and Fittings: Each hose assembly (hose with hose ends) except for suction hose connections on ends where connection to system component is m	e is fitte ade X	ed with JIC	C swivel NO
X10.9.2	All pressure line hoses meet or exceed SAE Specification 100R2 pressure hose, type C2AT for sizes up to and including 1 inch ID			
X10.9.3	Suction hose 2 inch nominal ID and meet SAE Specification 1001 reinforced, rubber covered hose with replaceable bolt-on type fitter	R4, braings <u>x</u>	ided fiber	, spiral wire NO
X10.9.4	All hydraulic hoses fully cleaned on interior, installed, and ready	for ope	ration _YES	NO
X10.9.5	Are grommets used when routing hoses through steel bracketing	or fram	e member _YES	s NO
X10.9.6	Are Snap-Tite quick disconnects (manifold mounted) supplied fo inch pressure and return lines		rd and rea YES	
	Is iron or galvanized iron pipe for fittings and connectors used		_YES	NO
X10.9.7	Are all fittings and connectors steel type designed for high pressu	re hydr	raulic syst YES	em use NO

•		
X 10.9.8	Pipe thread ported components and connectors are only use available with SAE or JIC porting	ed when the specific component is not XYESNO
X10.9.9	Are all pipe thread connectors used coated with liquid Tefl	on pipe sealer prior to assembly X YES NO
X10.9.10	Hoses that run to the front of truck chassis for snowplow furthe front bumper with sufficient access for pump service ar	inctions are manifold mounted behind and snowplow hitch installation XYESNO
X10.9.11	Are snowplow lines equipped with complete 1/2 inch "VH (coupler and nipple supplied) and metal caps and plugs	" series Snap-tite quick disconnects X YES NO
	s not specifically stated but are necessary for proper system is omply with recommended hydraulic industry standards:	nstallation and operation are supplied
X10 11 Will i	nitial servicing and pre-testing of hydraulic system be includ	ed for:
X10.11.1	Initial fill of reservoir with a high grade 32 AW hydraulic marked on sight glass	
X10.11.2	Start-up and initial run of hydraulic system, checking for le	eaks, excessive heat, system efficiency X YES NO
	Will you replace any defective component Will you cover any defects discovered at time of plow insta time of initial test of plow circuits	X YES NO allation if equipment is not available at X YES NO
X10.11.3	Refill reservoir to the 40 gallon operating level	XYESNO
X10.12 If any	y hydraulic lines are located within 10 inches of exhaust syst	em are they metal lines and insulatedX_YESNO
mater	letailed component specifications, product literature, system rials and full functional hydraulic system schematics in accorded with your bid	
	ccessful vendor, will you provide WVDOH with a complete l tenance on proposed unit	ist of all filters required for normal X YES NO
X10.15 Expla	ain your training sessions with each purchase order covering	the operation, maintenance, trouble

AGREEMENT ADDENDUM

WV-96 Rev. 5/94

In the event of conflict between this addendum and the agreement, this addendum shall control:

- ARBITRATION Any references to arbitration contained in the agreement are hereby deleted. Disputes arising out of the agreement shall be presented to the West Virginia Court of Claims.
- 2. HOLD HARMLESS Any clause requiring the Agency to indemnify or hold harmless any party is hereby deleted in its entirety.
- GOVERNING LAW The agreement shall be governed by the laws of the State of West Virginia. This provision replaces any references to any other State's
 governing law.
- 4. TAXES Provisions in the agreement requiring the Agency to pay taxes are deleted. As a State entity, the Agency is exempt from Federal, State, and local taxes and will not pay taxes for any Vendor including individuals, nor will the Agency file any tax returns or reports on behalf of Vendor or any other party.
- 5. PAYMENT Any references to prepayment are deleted. Payment will be in arrears.
- INTEREST Should the agreement include a provision for interest on late payments, the Agency agrees to pay the maximum legal rate under West Virginia law.
 All other references to interest or late charges are deleted.
- 7. RECOUPMENT Any language in the agreement waiving the Agency's right to set-off, counterclaim, recoupment, or other defense is hereby deleted.
- 8. FISCAL YEAR FUNDING Service performed under the agreement may be continued in succeeding fiscal years for the term of the agreement, contingent upon funds being appropriated by the Legislature or otherwise being available for this service. In the event funds are not appropriated or otherwise available for this service, the agreement shall terminate without penalty on June 30. After that date, the agreement becomes of no effect and is null and void. However, the Agency agrees to use its best efforts to have the amounts contemplated under the agreement included in its budget. Non-appropriation or non-funding shall not be considered an event of default.
- STATUTE OF LIMITATION Any clauses limiting the time in which the Agency may bring suit against the Vendor, lessor, individual, or any other party are deleted.
- 10. <u>SIMILAR SERVICES</u> Any provisions limiting the Agency's right to obtain similar services or equipment in the event of default or non-funding during the term of the agreement are hereby deleted.
- 11. ATTORNEY FEES The Agency recognizes an obligation to pay attorney's fees or costs only when assessed by a court of competent jurisdiction. Any other provision is invalid and considered null and void.
- 12. ASSIGNMENT Notwithstanding any clause to the contrary, the Agency reserves the right to assign the agreement to another State of West Virginia agency, board or commission upon thirty (30) days written notice to the Vendor and Vendor shall obtain the written consent of Agency prior to assigning the agreement.
- 13. <u>LIMITATION OF LIABILITY</u> The Agency, as a State entity, cannot agree to assume the potential liability of a Vendor. Accordingly, any provision limiting the Vendor's liability for direct damages or limiting the Vendor's liability under a warranty to a certain dollar amount or to the amount of the agreement is hereby deleted. In addition, any limitation is null and void to the extent that it precludes any action for injury to persons or for damages to personal property.
- 14. RIGHT TO TERMINATE Agency shall have the right to terminate the agreement upon thirty (30) days written notice to Vendor.
- 15. TERMINATION CHARGES Any provision requiring the Agency to pay a fixed amount or liquidated damages upon termination of the agreement is hereby deleted. The Agency may only agree to reimburse a Vendor for actual costs incurred or losses sustained during the current fiscal year due to wrongful termination by the Agency prior to the end of any current agreement term.
- 16. RENEWAL Any reference to automatic renewal is hereby deleted. The agreement may be renewed only upon mutual written agreement of the parties.
- 17. <u>INSURANCE</u> Any provision requiring the Agency to insure equipment or property of any kind and name the Vendor as beneficiary or as an additional insured is hereby deleted.
- 18. <u>RIGHT TO NOTICE</u> Any provision for repossession of equipment without notice is hereby deleted. However, the Agency does recognize a right of repossession with notice.
- 19. ACCELERATION Any reference to acceleration of payments in the event of default or non-funding is hereby deleted.
- 20. <u>AMENDMENTS</u> All amendments, modifications, alterations or changes to the agreement shall be in writing and signed by both parties. No amendment, modification, alteration or change may be made to this addendum without the express written approval of the Purchasing Division and the Attorney General.

ACCEPTED BY: STATE OF WEST VIRGINIA	VENDOR
Spending Unit:	Company Name: MATHENY MOTOR TRUCK C
Signed:	Signed: Len
Title:	Title: SALES REPRESENTATIVE
Date:	Date: 10-17-07

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 owned 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: _	MATHENT MOT	OR TRUCK G	6.	
Authorized Signal	ture: 3	<u></u>	Date: <u>/o -/7-o7</u>	

Purchasing Affidavit (Revised 04/15/07)



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

Request for | Quotation

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707EC021

ADDRESS CORRESPONDENCE TO ATTENTION OF JOHN JOHNSTON 304-558-2402

VENDOR

SALES

304-485-4410 *709035314 MATHENY MOTOR TRUCK COMPANY PO BOX 1304

PARKERSBURG WV 26102-1304 DIVISION OF HIGHWAYS EQUIPMENT DIVISION ROUTE 33 BRUSHY FORK ROAD BUCKHANNON, WV

26201

304-472-1750

ADDRESS CHANGES TO BE NOTED ABOVE

DATE PRIN 09/20 IID OPENING DATE:	12007 FER B	rms of sale of Specifica: 1/2007	rious. CROUND BID	Buckhannon WV OPENING TIME	FREIGHT TERMS 01:30PM /PE /A/A
LINE	QUANTITY	UOP CAT	ITEM NUMBER	UNIT PRICE	AMOUNT
		ADI	DENDUM NO. 2		
	CHANGES TO	THE SPEC	FICATIONS PER THE	ATTACHED.	
;	BID OPENING	DATE ANI	TIME CHANGED		
	FROM: POST	PONE UNT	FURTHER NOTICE		
:	TO: 10/1	7/07 AT 3	L:30 P.M.		
	NO OTHER CH	ANGES.			
0001		EA	065-30		
:	1 64,000 GVW	CAB & CHA	ASSIS, STAINLESS S	TEEL DUMP BODY	
	***** THI	S IS THE	END OF RFQ 707E	C021 ***** TOTAI	:
		Sece	EVERSE SIDE FOR TERMS AND CON	ADITIONS	
NATURE 5	. = 1,			DATE IDATE	0-17-07

55-0320770

ADDENDUM #2 707EC021

OPEN END CONTRACT

64,000 GVW CAB AND CHASSIS, STAINLESS STEEL DUMP BODY, AND PISTON PUMP HYDRAULIC SYSTEM

CHANGES TO BIDDER'S EVALUATION REPORT: FROM: X4.2.2 Delivery date of balance of completed units: 240 calendar days after date of purchase agreement TO: X4.2.1 Guaranteed delivery of balance of completed units in the following quantities: 1-25 240 calendar days after receipt of purchase agreement by successful vendor 240 calendar days after receipt of purchase agreement by 26-50 successful vendor 240 calendar days after receipt of purchase agreement by 51 and over successful vendor FROM: X4.2.2 Delivery date of completed representative unit _____ calendars after date of purchase agreement TO: X4.2.2 Delivery date of completed pilot model 150 calendar days after receipt of purchase

agreement by successful vendor

FRO	M:			
X5.1	Prices for quantities of	1-25	per unit	
		26-50	per unit	
		51 and over	per unit	
TO: X5.1	Prices for quantities of com and labor warranty:	plete unit includ	ding minimum 2 year bumper to bumper parts	s
		1-25	per unit	
		26-50	per unit	
		51 and over	per unit	
	If a 3 year bumper to bumpe	er basic parts an	d labor warranty excluding normal wear item	ıs
	and misuse available, please	e state price	#2,400 per unit	
	AS 4 th PARAGRAPH: WARRANTY AND SERVI	ICE POLICY		
	Will a minimum 2 year bum normal wear items and misu	per to bumper buse be provided	pasic parts and labor warranty excluding XYESNO	
	Is a 3 year bumper to bumper misuse available	er parts and labo	r warranty excluding normal wear items andXYESNO	
	Describe:			
NO CI	HANGE			
X8.3	Wheelbase: incl	hes set forward	design for snowplow application for various YESNO	

NO CHANC X8.7.3 Is clu		ceramic clutch	_ X _ YE:	SNO
Size:	15.5 inch	Kwik adjust (manual feature	e)YE	S_X_NO
Manı	ufacturer and m	nodel: <u>Earon Solo</u> with 7 9_	spring damper X	_ YES NO
NO CHANG X8.8.6 Radia		hose manufacturer: Volvo	EPDM Hos	<u> </u>
NO CHANG	Æ			
X8.10.6.1	Truck vendo	or will provide <u>O</u> feet of windor hook up of tail lights and e	tc. in the dump bed	
FROM: X8.18.3.1	Rated at Manufacture	s: Size	pressure ofP	SIG
	Powder coate	ed with color similar to gray	_YESNO	
TO: X8.18.3.1		s: Size <u>22.5 X 9.0</u> 75 mm bolt circle with 220mm	bore, tubeless steel	disc NO
	Rated at 10	ooo lbs. at a maximum inf	lation pressure of _	/30 PSIG
	Manufactures With 0.500 is	r and model: <u>Accurios</u> nch thick disc, non standard off	f set with steel hubsXYES	NO
	Powder coate	ed YES X NO G	ray top coat	YESNO

FROM:	
X8.18.4.1	10 hole 285.75 mm bolt circle with 220mm bore, tubeless steel disc_YES_NO Rated at lbs. at a maximum inflation pressure of PSIG Manufacturer and Model:
	With 0.500 inch thick disc, non standard off set with steel hubs YES NO Powder coated with color similar to gray YES NO
TO:	
	Rear Wheels: Size
	Rated at 7400 lbs. at a maximum inflation pressure of 120 PSIG
	Manufacturer and model: Accuring With 0.472 inch thick disc .437 inch pise YES X NO
	With 0.472 inch thick disc . 437 inch pise YES X NO
	Powder coatedYESNO Gray top coatX YESNO
FROM:	
X8.25.1	Will a preventive maintenance and operator's training seminar be providedYESNO
TO: X8.25.1	Will a preventive maintenance and operator's training seminar be provided X YES NO
	Manuals X (OR) CD X
FROM:	
X10.3.12	Snowplow lift control section is 3 way three (3) position spring centered cylinder spool with float detent for operation of a single acting lift cylinderYESNO
TO: X10.3.12	Snowplow lift control section is 4 way three (3) position spring centered cylinder
	spool with float detent for operation of a single acting lift cylinder X YES NO

FROM:		
X10.3.14.5	Are solenoid valve coils usedYE Will they have manual override capal	
TO: X10.3.14.5	Are solenoid valve coils used	
	Will they have manual override capal coils fail	bilities if needed for continued use wher XYESNO



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

Request for Quotation

707EC021

304-558-2402

PAC	3E	
	1	

ADDRESS CORRESPONDENCE TO ATTENTION OF JOHN JOHNSTON

€71	9035	314	304-	-485-4410
1A	THENY	MOTOR	TRUCK	COMPANY
90	BOX	1304		

PARKERSBURG WV 26102-1304

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

DATE PRINTED TERMS OF SALE SHIP VIA FO.B. FREIGHT TERMS PER BIO Specification 07/12/2007 Buckhannon, Wi BID OPENING DATE: 07/25/2007 OPENING TIME 01:30PM CAT LINE QUANTITY UOP UNIT PRICE ITEM NUMBER AMOUNT ADDENDUM NO. 1 BID OPENING DATE AND TIME CHANGED FROM: 07-25-07 AT 1:30 P.M. POSTPONE UNTIL FURTHER NOTICE TO: NO OTHER CHANGES 0001 065-30 EΑ 64,000 GVW CAB & CHASSIS, STAINLESS STEEL DUMP BODY **** THIS IS THE END OF RFQ 707EC021 ***** TOTAL: SEE REVERSE SIDE FOR TERMS AND CONDITIONS: SIGNATURE 485-4418 ADDRESS CHANGES TO BE NOTED ABOVE 55-0320770

WV-36a STATE OF WEST VIRGINIA

PURCHASING CONTINUATION SHEET

Buyer: Page Req. or P.O. No.: 7 JJ-33 707EC021

Spending Unit:

Division of Highways

Vendor:

Requisition No.: 707ECO21

ADDENDUM ACKNOWLEDGEMENT

I hereby acknowledge receipt of the following checked addendum(s) and have made the necessary revisions to my proposal, plans and/or specifications, etc.

Addendum No.'s:

No. 1 X No. 2 X No. 3 _____ No. 4 _____ No. 5 _____

I understand that failure to confirm the receipt of the addendum(s) may be cause for rejection of bids.

Signature

Mathewy Motor Truck Co.
Company

PREMIUM (PURCHASED) TRUCK COVERAGE CERTIFICATE



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

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

This coverage applies to *qualifying* VNL, VNM, VHD and VT models manufactured by Volvo Trucks North America, operated in the United States and Canada and placed in service on or after **January 1, 2007**. Specific coverage is based on the application and weight class as described in the following chart:

	Premium	Premium	
	NORMAL DUTY	HEAVY DUTY	
Typical Vocations	Line / Long Hau!, Short Haul, or Pickup & Delivery	Construction, Refuse, Heavy Line Haul, Fire or Rescue Service	
Weight Class Qualifications	Vehicle must have $GVWR \le 63,000 \text{ lbs. } (\le 28 \text{ metric tons})$ or $GCWR \le 110,000 \text{ lbs. } (\le 50 \text{ metric tons})$	Vehicle must have GVWR ≤ 80,000 lbs. (≤ 36 metric tons) or GCWR ≤ 143,000 lbs. (≤ 65 metric tons)	
Basic Coverage	36 months <i>or</i> 350,000 miles (563,000 km) <i>or</i> 9,000 operating hours	36 months <i>or</i> 250,000 miles (402,000 km) <i>or</i> 9,000 operating hours	
Engine	paragraph 15 on		
Transmission, Driveline, Rear Axle, Front Non-Drive Steer Axle	36 months or 350,000 miles (563,000 kilometers) or 9,000 oper. Covered Components are as follows: • Manual Transmission – Transmission Assembly • Rear Axle – Differential carrier assembly and axle housin • Front Non-Drive Steer Axle – Axle beam, steering knuckle Allison Automatic Transmissions are not covered under this w	Driveline – Bearings, hangers and shafts g e, & tie rod	
I-Shift Transmission	Engine Torque ≤ 1750 ft/lb: 60 months <i>or</i> 750,000 miles (1,207,000 km) <i>or</i> 15,000 operating hours Engine Torque > 1750 ft/lb: 36 months <i>or</i> 500,000 miles (805,000 km) <i>or</i> 12,500 operating hours	36 months or 250,000 miles (402,000 km) or 6,250 operating hours	
Cab Structure	72 months <i>or</i> 1,000,000 miles (1,609,000 km) <i>or</i> 15,000 operating hours	60 months <i>or</i> 500,000 miles (805,000 km) <i>or</i> 12,500 operating hours	
Internal Cab Corrosion	96 months <i>or</i> 1,000,000 miles (1,609,000 km) <i>or</i> 18,000 operating hours Covered only where metal is perforated from the inside to	72 months or 650,000 miles (1,050,000 km) or 15,000 operating hours the outside. See paragraph 14 on the reverse side.	
Frame Rail / Crossmembers	72 months <i>or</i> 750,000 miles (1,207,000 km) <i>or</i> 15,000 operating hours	60 months <i>or</i> 500,000 miles (805,000 km) <i>or</i> 12,500 operating hours	
Emission Control System Components	As part of the emission control system, the charge air cooler is warranted for 60 months or 100,000 miles, whichever occurs first. For emission control system coverage for the Volvo engine, see the Volvo Engine Warranty Certificate. For non-Volvo engine, see the engine manufacturer's certificate for details. For coverage for vehicles sold for use in California, see Operator's Manual – Engine and Maintenance.		
Noise Emission	LIFE OF VEHICLE: Volvo Trucks North America warrants to the first purchaser of this vehicle for purposes other than resale and to each subsequent purchaser, that this vehicle was designed, built and equipped to conform, at the time of sale to such first purchaser, with all applicable U.S. EPA noise control regulations. This warranty is not limited to any vehicle particular part, component, or system of the vehicle. Defects in the design, assembly or any part, component or system of the vehicle which at the time of sale to such first purchaser, caused noise emission levels to exceed Federal standards are covered by this warranty for the life of the vehicle. EXCLUSIONS: Failures which arise as a result of tampering rather than from defects in the design, assembly, or any part, components, or system of the vehicle are not covered by this warranty.		
Towing and/or Road Service	6 months or 50,000 miles (80,000 kilometers), whichever occurs first. The reasonable cost of towing and/or road service up to US\$600 per incident when a vehicle is inoperable or continued operation would result in additional vehicle damage due to a covered component within this basic coverage is included. See paragraph 22 on the reverse side for towing limitations.		

Volvo Trucks North America reserves the right to make any changes in design, or to make additions to or upon its products, without incurring any obligations to install the same on commercial vehicles previously built.

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

"Premium (Purchased) Normal Duty Coverage" and "Premium (Purchased) Heavy Duty Coverage" are purchased coverage plans offered by Volvo Trucks North America to purchasers of new USA manufactured Volvo vehicles that meet coverage qualifications and have the appropriate weight class and application. Premium coverage should be purchased at the time the vehicle order is placed with the dealer. Premium coverage may be purchased within six (6) months after the Date In Service. (An authorized demonstrator truck, approved by Volvo Trucks North America, may qualify for Premium (Purchased) Coverage for the first retail customer up to six (6) months from the retail Date In Service.) Volvo Trucks North America reserves the right to alter or terminate the Premium (Purchased) Coverage Program at any time at its discretion without notice. Such alteration or termination will not affect vehicles covered under this certificate prior to the alteration or termination.

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

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

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

EXCLUSIONS:

- REPAIR: Coverage consideration can only be given if the deficiency is brought to the attention of an authorized Volvo Truck dealer upon discovery and the truck must be made available, in a timely fashion during the coverage period, for repair. Failures resulting from the user's unreasonable delay in making the truck available, after being notified of a potential product problem, are not covered.
- REPEAT REPAIRS: The term "repeat repair" only refers to the repair or replacement of the exact same part or component more than once. Repair or replacements of different components within the same system does not constitute a repeated repair.
- DAMAGES: Damages due to accidents, misuse, negligence, improper operations, alterations, storage or transport, operation at excessive speeds, loading beyond the factory rated load capacity, and improper or insufficient maintenance services are not covered. Damages due to failure to follow Volvo Trucks North America service procedures are considered damages due to improper maintenance services.
- APPLICATION: The responsibility of determining the correct application and/or specification for a vehicle sold to a customer belongs at the selling location. Vehicle application problems, including but not limited to, replacement of incorrect axle or transmission gear ratios, failures of component parts of vehicles being operated in excess of factory rated load capacities, or the use of a vehicle for a purpose of which it was not intended are not covered.
- ENVIRONMENTAL DAMAGE: Parts made out of cloth, leather, wood, rubber, synthetics, paint or chrome which have been effected by exposure to the elements or chemical influence including, but not limited to road salts/chemicals, industrial fall-out or the use of improper cleaners, polishes, and or waxes are not covered.
- GLASS: Glass breakage and scratches are not covered unless positive physical proof of manufacturing responsibility is established.
- SUSPENSON PARTS: Suspension parts, including, but not limited to, rubber bushings, torque rod bushings, spring pins and bushings, all grease lubricated points that fail due to improper maintenance, abnormally severe service or abuse are not covered.
- ALTERATIONS: Any vehicle repaired and/ or altered in any way, so as to adversely effect, in Volvo Trucks North America's sole judgment, its stability or reliability, is not covered.
- OPTIONAL EQUIPMENT: Any part of the truck which fails, malfunctions or does not perform as a result of improper conversion or installation of special bodies or equipment by other manufacturers or suppliers is not covered.
- 10. MAINTENANCE AND PARTS CONSUMED ("Consumables"): Normal maintenance services including, but not limited to, replacement of oil filters, adjustments of the engine injection pump / transmission / brakes / linkages, as well as diagnosis, test time and all other adjustments, are not covered. Parts which are normally consumed or worn out during the vehicle's usual service life and customarily replaced during usual maintenance service are not covered or have limited coverage. These parts include, but are not limited to, the following:

 - NOT COVERED Brake linings, clutch brake, clutch linings, mud flaps and brackets.

 COVERED FOR 30 DAYS Fluorescent lights or ballast, light bulbs, fuses, wiper blades and all filters (oil, fuel, air, etc.).

 - COVERED FOR 90 DAYS Loose fasteners, leaking fittings or hose clamps.

 COVERED FOR 12 MONTHS, OR 100,000 MILES (161,000 KM) OR 3,250 OPERATING HOURS, WHICHEVER OCCURS FIRST Cab suspension on models used in heavy duty applications, batteries, frame paint, sealed light assemblies, exhaust flex pipe, hose clamps, all rubber/nylon bushings or mounts, flexible hoses, all belts, shock absorbers (leakage only), wheel seals, and all grease lubricated points (tie rods ends, king-pins, u-joints, spring pins, etc.)
- 11. ALIGNMENT: Alignment of axle(s) and balancing of tires, including changing of axle camber, caster, toe and thrust angle settings are not covered.
- 12. NON-GENUINE PARTS: Any vehicle which has been repaired by use of parts and accessories, as well as major assemblies and exchange units, which are substandard and which cause a vehicle component or system to fail are not covered.
- 13. TIRES: Tires are covered by separate warranties given by their respective manufacturers.
- 14. CAB STRUCTURE AND CORROSION: Cab structural defects or cab corrosion that occurs in areas of the cab that have been previously damaged, repaired, altered or modified are not covered. Cab corrosion where metal is perforated from the outside to the inside is not covered.
- 15. ENGINES AND AUTOMATIC TRANSMISSIONS: The engines and Allison automatic transmissions used in Volvo trucks are warranted by their respective manufacturers. Refer to the engine and transmission manufacturers' warranty statements.
- 16. ODOMETER READING: Any vehicle in which the odometer has been disconnected or the mileage reading has been altered and the actual mileage cannot be readily determined is not covered.
- 17. ACCESS TO INFORMATION: The user must allow Volvo Trucks North America full access to all data stored in all Electronic Control Modules; failure to do so may result in the loss of Premium (Purchased) Coverage.

 18. PREMIUM LABOR: Labor for overtime and/or shift differential is not covered.
- 19. EXCESSIVE LABOR: Excessive labor for a warrantable repair due to installation of equipment or body by the customer is not covered except in the event the dealer sells the complete chassis and body as a package.
- 20. MISC. EXPENSE: Meals, lodging, telephone calls, travel time, loss of cargo, downtime, loss of revenue, rental vehicles, or driver's wages and other miscellaneous expenses are not covered. Shop supplies, lube oil, lubricants, sealers, anti-freeze, filter elements and labor performed by a non-approved location are not covered.
- 21. ADDITIONAL COMPONENTS: Components or parts that are not installed by Volvo Trucks North America are not covered. Volvo Trucks North America factory manufacturing records will determine Volvo Trucks North America installations.
- 22. TOWING AND/OR ROAD SERVICE: Towing and/or road service is limited to \$600 USD per incident. Towing is restricted to the nearest authorized Volvo truck service center. Towing and/or road service charges due to a failure of a non-covered component or from the result of an accident are not covered. Towing coverage is limited to covered vehicles that are accessible from a MAJOR paved highway.
- 23. APPLICATION CHANGE OR CHANGE OF OWNERSHIP: If at any time during the term of the coverage there is a change in the application of the vehicle or a change in ownership, the owner must notify Volvo Trucks North America, Post Office Box 26115, Greensboro, NC 27402-6115 in writing and within 30 days of date of the change. Fallure to provide such timely notice may result in the coverage becoming null and void. If the change in ownership is accepted by Volvo Trucks North America, and/or the change in application does not affect coverage, Volvo Trucks North America will transfer any remaining applicable portion of the Premium (Purchased) Truck Coverage to the new owner or, for the new application.

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Volvo Trucks North America (A Division of Volvo Group North America, Inc.) Post Office Box 26115 Greensboro, North Carolina 27402-6115