

VENDOR

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

Request for Quotation

RFO NUMBER 706EC011

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.... ADDRESS CORRESPONDENCE TO ATTENTION OF: NOTZNHOL NHOL

304-558-2402

304-659-2917 *709044440 HAYHURST EQUIPMENT INC PO BOX 457

PENNSBORO WV 26415

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

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GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

- 1. Awards will be made in the best interest of the State of West Virginia.
- 2. The State may accept or reject in part, or in whole, any bid.
- 3. All quotations are governed by the West Virginia Code and the Legislative Rules of the Purchasing Division.
- 4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required registration fee. (Effective June 8, 2006, the fee will change from \$45.00 to \$125.00 pursuant to House Bill 4031.)
- 5. All services performed or goods delivered under State Purchase Orders/Contracts are to be continued for the term of the Purchase Order/Contract, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
- 6. Payment may only be made after the delivery and acceptance of goods or services.
- 7. Interest may be paid for late payment in accordance with the West Virginia Code.
- 8. Vendor preference will be granted upon written request in accordance with the West Virginia Code.
- 9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
- 10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
- 11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
- 12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
- 13. BANKRUPTCY: In the event the vendor/contractor files for bankruptcy protection, this contract is automatically null and void, and is terminated without further order.
- 14. HIPAA Business Associate Addendum The West Viginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (http://www.state.wv.us/admin/purchase/vrc/hipaa.htm) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Covered Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.

INSTRUCTIONS TO BIDDERS

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

ORIGINAL SIGNED BID TO:

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

DUPLICATE BID TO:

State Auditor's Office Bid Observer Building 1 Room W114 1900 Kanawha Boulevard, East Charleston, WV 25305-0230

NOTICE: Beginning June 8, 2006, there is no need to submit a duplicate bid to the State Auditor's Office pursuant to House Bill 4031.



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

Request for

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*709044440 304-659-2917 HAYHURST EQUIPMENT INC PO BOX 457

26415 PENNSBORO WV

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

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HAYHURST EQUIPMENT INC

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

26415

304-659-2917

Request for Quotation

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ADDRESS CORRESPONDENCE TO ATTENTION OF:

JOHN JOHNSTON 304-558-2402

DIVISION OF HIGHWAYS ROUTE 33

EQUIPMENT DIVISION BRUSHY FORK ROAD BUCKHANNON, WV

304-472-1750 26201

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DIVISION OF HIGHWAYS
EQUIPMENT DIVISION
ROUTE 33
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PENNSBORO WV 26415 DIVISION OF HIGHWAYS **EQUIPMENT DIVISION** ROUTE 33 BRUSHY FORK ROAD BUCKHANNON, WV 304-472-1750 26201

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WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS EQUIPMENT DIVISION

PROCUREMENT SPECIFICATIONS NO. 132-1-C

OPEN END CONTRACT FOR MID-MOUNTED ARTICULATED HYDRAULIC POWERED BOOM MOWER

1.0 PURPOSE

It is the purpose of these specifications to describe a Mid Mounted Articulated Hydraulic Powered Boom Mower (hereinafter referred to as a "mower" or a "unit") to be purchased for use by the West Virginia Division of Highways (DOH) on an Open End Contract basis. This mower to include all mounting brackets and accessories to enable-this mower unit to be a turn key application after installation by the Division of Highways on the following tractors: 1996 John Deere 6200, 1997 John Deere 6200, 2002 John Deere 6220, 2003 John Deere 6220, and 2004 John Deere 6220. (**See attachment for tractor specifications.)

2.0 BIDDING PROCEDURES

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

3.0 SPECIFICATIONS

The specifications named herein, mandatory and non-mandatory, establish the acceptable level of quality only and are not intended to reflect a preference or favor any particular brand or vendor.

3.1 EXCEPTIONS TO NON-MANDATORY SPECIFICATIONS

Exception to a non-mandatory unit specification may be made by the bidder, providing the exception is not available from the manufacturer. Any such exception must be noted on the bidder's evaluation report and should be accompanied by supporting documentation/literature from the manufacturer. Any exception must be indicated on a separate attachment to the bidder's evaluation report and labeled as "Exception to

Specifications". The state reserves the right to determine whether the stated exception does or does not reduce the quality and performance of the unit. Failure to provide information for any exceptions may be grounds for rejection of the bid. The state reserves the right to waive minor irregularities in bids or specifications in accordance with §148-1-4(f) of the WV Legislative Rules and Regulations.

3.2 MANDATORY SPECIFICATIONS

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

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

4.0 REPRESENTATIVE UNIT FOR TEST

The successful vendor must (if specified) provide DOH one (1) Mid Mounted Articulated Hydraulic Powered Boom Mower with all necessary mounting hardware to be observed and evaluated on the first order only to insure compliance with specification. If requested, the time period for testing and evaluation shall be seven (7) working days after installation. DOH will incur no obligation for deterioration of surfaces, finishes, seals, and mechanical or electrical parts on the unit resulting from operation and testing within the limits of these specifications; nor will DOH incur obligation for damage to the unit resulting from failure to meet specifications when due care and attention is given by DOH and testing is done within the limits of these specifications. Failure of the pilot unit to satisfactorily meet specifications as bid shall be cause for cancellation of the purchase order, and return of the delivered unit along with all associated equipment to the vendor at the vendor's expense.

4.1 CONDITION OF UNIT(S) UPON DELIVERY

All prescribed precautions pertaining to first operations and break-in of the unit are to be posted conspicuously on the unit for ready observance by the operator.

4.2 DELIVERY

The vendor is responsible for guaranteeing delivery of the completed units within the time specified and agreed to by the State. Delivery is preferred within 90 days. The vendor is responsible for establishing and coordinating delivery terms with allied manufacturers or suppliers. Delivery terms shall be stated in the bid and the State reserves the right to accept or negotiate such terms. Failure to reach an agreement may result in rejection of the bid. The successful bidder shall provide their manufacturer's confirmation of the order to the WVDOH contact person within seven (7) working days after receiving the approved purchase order.

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

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

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

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

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

5.0 AWARD CRITERIA

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

Prices for the units shall be in quantities of 1-10 and 11-20. However, for evaluation purposes, we will use quantities 1-10. DOH reserves the right to place multiple orders in any quantity.

6.0 SPECIFICATIONS AND GUIDELINES - GENERAL

6.1 IDENTIFICATION OF THE UNIT BEING PROPOSED

The bidder must identify the unit by manufacturer, model, series, and year of manufacture, in the bid to enable identification by DOH in the manufacturer's specifications of the proposed unit. The bidder will submit complete descriptive literature of the proposed unit, to establish that the bid is the manufacturer's most current model, including latest engineering improvements, which have been, or will imminently be, regularly advertised and sold on the open market. The unit specified herein and offered to be manufactured after January 1, 2006 and be clearly identified and marked with date of manufacture.

6.2 OPERATING AND SERVICE MANUALS AND PARTS LISTS

An operator's manual must be included with each unit upon delivery. Also, 14 parts manuals and 12 service manuals must be included upon delivery. A "line sheet" (if applicable) and Equipment Preventative Maintenance Questionnaire (as shown in X6.2 of the Bidder's Evaluation Report) must be with pilot unit upon delivery. CD ROM is preferred in lieu of parts manuals.

6.3 TRAINING:

Manufacturers and/or dealers will be required to stage a thorough seminar on the subjects of Preventative Maintenance, Operator and Mechanic Training. In order to keep the operators and mechanics updated, the successful vendor shall conduct training with each purchase order against this open end contract. After installation of the unit(s), training will be coordinated between the Division of Highways and the successful vendor for each individual purchase order.

Manufacturers and/or dealers shall be required to furnish the Training Academy with one (1) Operator's Manual.

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

6.4 PREVENTIVE MAINTENANCE AND OPERATOR PROCEDURES:

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

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

6.5 WARRANTY AND SERVICE POLICY

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

THE "WARRANTY AND SERVICE POLICY QUESTIONNAIRE" ATTACHED IN THE BIDDER'S EVALUATION REPORT MUST BE COMPLETED IN ITS ENTIRETY BY THE SUCCESSFUL BIDDER OR MANUFACTURER PRIOR TO DELIVERY OF THE PILOT MODEL. (SEE SECTION X6.5 OF BIDDER'S EVALUATION REPORT).

6.6 EVALUATION COMMITTEE REQUIREMENTS

Detailed component specifications, product literature, component models, required for specification compliance determination by the Evaluation Committee should be provided with each bid. Any information supplied that is contrary to/or conflicting with the specifications and/or attached Bidders Evaluation Report may be sufficient cause for rejection of bid.

6.7 UNSPECIFIED ACCESSORIES & FEATURES

All parts, equipment, accessories, material, design and performance characteristics not specified herein, but which are necessary to provide a complete unit including all basketry, bolts, hoses etc. except labor (Division of Highways will install), must be furnished with each unit and required to conform to strength, quality of material, and quality of workmanship to those which are advertised and provided to the market in general by the unit industry.

All parts and accessories advertised and regularly supplied as standard shall be included, except those which would represent duplication of these specified, and except those which, by specification, are not to be furnished. All standard safety features, required by Federal and State Law, shall be included.

7.0	SPECIFICATIONS - MID MOUNTED	ARTICULATED HYDRAULIC PO)WERED
	BOOM MOWER	.	

7.1 Frame:

- Mounting frame shall be full length 4 inch x 4 inch x 1/4 inch steel tubing adequately secured to front bolster and rear axle. (Specifically excluding framework bolting to bell housing of tractor)
- 7.1.3 Main frame of 4 inch x 4 inch x 1/4 inch steel tubing bracing frame with 4 inch x 4 inch x 1/4 inch steel tubing main structure mounted over hood of tractor to 4 inch x 4 inch mounting rail.
- 7.1.4 Unit to be counterweighted to maintain the most possible ground pressure of tires on opposite side of mower during all reach out, up, and down operations of boom with specified head.

7.2 Hydraulic Reservoir:

- 7.2.1 Manufacturer's properly sized hydraulic oil reservoir that is capable to operate all mower functions including forward, aft, up, down, and rotary head.
- 7.2.2 Tank to have a built-in oil level sight glass and thermometer
- 7.2.3 Hydraulic filter capable of providing suitable filtration for system
- 7.2.4 Tank shall be equipped with a shut off valve for closing when changing filter or hoses and for draining of tank
- 7.2.5 Unit shall be equipped with front piston type pump(s) to operate <u>all</u> mower functions at maximum operation within manufacturer's temperature range
- 7.2.6 Hydraulic GPM shall be manufacturers specified to operate all mower functions at maximum efficiency
- 7.2.7 Front pump(s) shall be idle during transport
- 7.2.8 All circuit hoses to be a minimum of 1 inch four wire braid
- 7.2.9 All hoses shall be routed through conduit and securely fastened for best brush protection
- 7.2.10 Deck hoses to be four (4) wire braid fitted with cordura sleeving for brush protection

7.2.11	Mower controls to be a five (5) section valve controlled through a single electronic joystick
7.2.12	Valve shall allow a minimum of four (4) functions simultaneously
7.2.13	The swing, lift, and dipper sections to have individual relief valves to give breakaway protection
7.2.14	Mower cutter to have a 6 second emergency shut down
7.2.15	Mower head motor should take 6 seconds to wind up to full RPM for a "no-shock-load startup"
7.2.16	Cylinders to be mounted in such a way that breakaway forces are transmitted to the barrel side of cylinder and not the rod side
7.3	Boom Rest:
7.3.1	A boom rest shall be mounted to mower frame to cradle boom during transport
7.3.2	Boom rest to take pressure off all cylinders when in transport
7.3.3	When in stow, tractor and mower to be approximately 108 inches with 60 inch rotary and approximately 12 foot high
7.4	Safety Cage:
7.4.1	A safety cage shall be installed on right side and top of operator's position and a sloping guard or rail over entire hood area
7.4.2	Cage to be constructed of expanded metal and permanently mounted to tractor
7.4.3	A lexon safety glass window shall be a part of the safety cage. This window is to cover the door window and be hinged mounted so that it and the tractor window can be cleaned.
7.5	Boom:
7.5.1	Boom shall be two (2) piece design with all pivot points having replaceable steel bearings
7.5.2	Pivot pins to be a minimum of 1 ½ inch diameter
7.5.3	Inner boom to be made of 6 inch x 6 inch x 3/8 inch steel tubing minimum 50,000

7.5.4	Dipper boom to be made of 5 inch x 5 inch x 3/8 inch steel tubing minimum 50,000 lb/sq inch yield strength
7.5.5	All hinge points shall be T-1 steel reinforcement
7.5.6	Boom swing from stow position to be approximately 140 degrees forward
7.5.7	Boom reach up to be approximately 21 feet
7.5.8	Boom reach out to be approximately 21 feet from tractor centerline to outside edge or cutting blade arc
7.5.9	Boom reach down to be approximately 12 feet below tractor ground level
7.5.10	Boom mower head to be capable of mowing within inches of rear tractor tire allowing tractor to stay further out of traffic lane
7.6 B	rush Head:
7.6.1	Cutting width approximately 50 inches
7.6.2	Top deck to be A606 alloy steel or equal
7.6.3	Side skirts a minimum of 3/8 inch steel
7.6.4	Top deck to be reinforced with channel frame with a reinforced spindle mount plate
7.6.5	Deck to have replaceable full length skid shoes
7.6.6	Spindle bearings to be tapered roller type in a sealed housing
7.6.7	Blades to be a minimum of 4 inch wide x 5/8 inch thick double edge tempered steel and full swing 360 degrees
7.6.8	Blade bolts to be minimum 1 1/8 inch x 3 heat treated, grade 8 shoulder bolt with a castel nut and roll pin
7.6.9	Motor to be direct drive, splined and totally enclosed excluding chain or flex couplers
7.6.10	Motor to be cast steel and be sized to match the hydraulic pump proposed by the mower manufacturer.
7.6.11	A front safety shield, hydraulic actuated, center feed metal door operational from joystick control

- 7.6.12 Cutter deck rotation to be approximately 160 degrees
- 7.6.13 Rear shield to be rubber/fabric material
- 7.7 Complete unit shall be delivered with all manufacturers' safety features intact
- 7.8 Mower to be manufacturer's standard color
- 8.0 SPECIFICATIONS OF CURRENTLY OWNED 1996 AND 1997 JOHN DEERE 6200 TRACTORS, AND 2002, 2003, AND 2004 JOHN DEERE 6220 TRACTORS FOR THE TURN KEY UNITS

Tractor Dry Weight (without Ballast) - 7,927 lbs.

Tractor Wheelbase - 94.5 inches

Tractor – 2 wheel drive

Hood - Tilt up Type

Daily services done from ground level

Engine - 1996-1997 - 4045 T HP 66

2002 - 2004 - John Deere Power Tech 4039T

PTO Horsepower – 1996 – 1997 – 65

2002 - 2004 - 72

Exhaust system - Vertical exhaust with rain protection

Clutch - Wet type - Manufacturer's heaviest duty

Transmission – Power Shift Design (16 forward; 16 reverse)

Speed ranges - 1-20 MPH - Forward

1-10 MPH - Reverse

Differential - Manufacturer's heavy duty with on the go differential lock

Rear Axle – 3.1 inches diameter

Wheels – Tires Front – 10x16 - 10 ply F2 tread

Rear $-18.4 \times 30 - 8$ ply R1 tread

3 Point Hitch - Lift Capacity - 4,745 lbs. @ 24 inches

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS EQUIPMENT DIVISION

BIDDER'S EVALUATION REPORT

PROCUREMENT SPECIFICATIONS FOR OPEN END CONTRACT NO. 132-1-C

OPEN END CONTRACT MID MOUNTED ARTICULATED HYDRAULIC POWERED BOOM MOWER

NOTE TO BIDDER: Procurement Specification No. 132-1-C, Paragraph 2.0 recommends the completion and submittal of this Report with your bid. Purpose of this Report is to enable the West Virginia Division of Highways Evaluation Committee to make full and fair evaluation of the bid. FAILURE TO SUBMIT THIS REPORT, COMPLETE IN ITS ENTIRETY, MAY SUBJECT THE BIDDER TO DISQUALIFICATION.

	Reference Requisition No.: 706EC011		
	Bidder's Name: Hayhurst Equipment, Inc.		
	Address: P.O. Box 457, 435 West Myles Ave. Pennsboro, wV	26415	
	Telephone Number: 304-659-2917		
	Years Bidder has been registered to do business with the State of West Virginia:	43	YRS
	Years Company has been an authorized dealer for proposed unit:	17	YRS.
	DELIVERY: Delivery date of completed representative unit: Calendar Days Purchase Agree	s After Date of ement	f
X4.2.2	Delivery date of balance of completed units: GO PAE Calendar Days	After Date of Purchase Agr	eement

X5.1	Prices for units in quantities of	1-10 11-20	\$31,998.00 per unit \$31,998.00 per unit	
X6.0 X6.1	SPECIFICATIONS - GENERAL Manufacturer, model, series, and date of man	ufacture of propose	d unit:	
	Alamo, Machete, 2006 Is descriptive literature, fully describing prop	posed unit attached	to your bid? <u>X</u> YES	NO
	If not, why?			
X6.2	Will the required number of service manuals Division at Buckhannon upon completion of	, and complete parts delivery of total un	s list be delivered to the Equipmits? X YESN	nent IO
	Will the required Equipment Preventive Main be provided upon inspection of the pilot unit		tion X6.2 of Bidders Evaluatio	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	NON: Side Mou	nted Boom M	Mower]	MAKE:	Alamo	
М	ODEL: MB21	(Machete)	YEAR:		PURCHASI	E AMOUN	T:
ENGINE:	MAKE:		MODEL:		FU	EL TYPE:	
	COOLING SYSTE	M CAPACITY: _					
BELTS:	DESCRIPTION:			PART N	JMBERS:		
				Walter and the same and the sam			
GVW:		AXLE CAPAC	ITY: FRONT:				REAR:
TIRES:	FRONT MAKE &	SIZE:					
	REAR MAKE & SI	ZE:					
DIMENSIC	ONS OF UNIT:	LENGTH:		WIDTH:			LENGTH:
VENDOR (CONTACT PERSON	Phillip	p A. Cottr	ille	PH	ONE:3	04-659-2917
PARTS:		·					
CDARK PI	LIGS OR FITEL INTE	CTORS MAKE:		PART#			HEIGHT
FUEL PUM ALTERNA	IP OR INJECTION P TOR MAKE:	UMP MAKE:		PART #:_			
TURBO CH TRANS. M.	MAKE: HARGER MAKE: AKE: .IC PUMP MAKE:	MODE	L:	PART #: _	AUT	O/MANUA	IL:
	MAKE						JRER TYPE
AIR OUTEI FUEL PRIM FUEL SECC COOLANT	R R MARY ONDARY		POWE HYDR DIFFE BRAK	ISMISSION_ ER STEERIN RAULIC ERENTIALS LE FLUID _	IG		
IYDRAUL OTHER	IC						

X6.3	TRAINING:				
	Will training seminar be conducted on Preventive Maintenan Training	nce, C	Operator :	and Mecha YES	mic _NO
	Will you conduct training with each purchase order against t		pen end o YES		
	Will training be conducted within 2 working days from the of the individual purchase order?		ry of the YES		on
	If NO, explain time frame				_
	Will an Operator's Manual be furnished to the Training Acad	demy'	? <u>X</u> \	YES	NO
X6.4	If you are the successful vendor, will you furnish all training required in conducting the training? X YE			os, project	tors,
X6.4.1	Will all manuals, booklets, etc. explaining preventive maprocedures, and service schedule be delivered with each to a contract the explaining preventive maprocedures, and service schedule be delivered with each to a contract the explaining preventive mapped to the explaining preventive maprocedures, and service schedule be delivered with each to the explaining preventive mapped to the ex	unit?		erator	
	If NO, explain				
X6.5	WARRANTY AND SERVICE POLICY				
	Will the warranty and service you provide comply with all ar of specifications		s stated in YES		5.5
	Is warranty literature attached?	<u>X</u>	YES	NO	

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. Define the terms of the standard warranty. If not offered, so state. (Attach copy)
1-Year, Parts and Labor, excluding travel and/or transportation.

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

All warranty work can be performed at DOH facilities with

D.O.H. responsible for HEI travel and/or transportation costs.

perfo	ormed at manufacturer's representative	performed at DOH facilities and warranty service to be resentative facility. List name and location of manufacturer's n be performed at DOH facilities with
D .	O.H. responsible fo	or HEI travel and/or transportation costs.
3. Li	st locations for parts invento	ories that are within the State of West Virginia. Also, list Inc. Pennsboro, wV \$125,000.00 +/-
4. Du for pa	uring the term of warranty, la arts that bidder will sell the	ist the guarantee discount to manufacturer's published list price parts to owner.
A. B. C.	Terms: Net 60 Ma	anufacturer's published list price less: 10 % discount anufacturer's published list price less: 5 % discount anufacturer's published list price less: 2 % discount
	aring the term of warranty, v vision of Highways?	vill all manufacturers or engineering improvements be submitted XYESNO
6. Du	uring the term of warranty, li	ist the guaranteed rates charged for repair to the unit.
A.	Shop Rate	\$ 50.00 per mechanic hour
B.	Travel Time Charge (Specify if one-way)	\$ per mechanic hour; port to port55.00
C.	Mileage Charge (Specify if one-way	\$ NONE per vehicle mile ; port to port
D.	Field Mechanic Rate	\$ 55.00 per mechanic hour
E.	Specify period of time that	at prices are in effect: 1-Year or as manufacture dictates
F.	Surcharge for miscellaned	ous items: 15 %

X6.6	EVALUATION COMMITTEE REQUIREMENTS
	Is all component specifications, product literature, component models provided for Evaluation Committee bid determination? X YESNO
X6.7	Will all parts, equipment, accessories, material, design and performance characteristics not specified herein, but which are necessary to provide a complete unit, be furnished with the unit and conform in strength, quality of material, and quality of workmanship to those which are advertised and provided to the market in general by the unit industry? X YESNO
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? X YESNO
X6.7.2	Are all standard safety features that are required by Federal and State statutes of law included?
X7.0	SPECIFICATIONS OF MID MOUNTED ARTICULATED HYDRAULIC POWERED BOOM MOWER The bidder should complete the following schedule in order for the Division to compare the actual bid unit to the specifications. Should the bidder except a requirement, then such exception may be only on the basis that such feature is not offered by the manufacturer. The Division will have the sole discretion as to whether the bidder's substitution meets the requirements of the specifications. Manufacturer: Alamo Model: MB21 (Machete)
X7.1	Frame:
X7.1.2	Mounting frame is full length 4 inch x 4 inch x 3/8 inch steel tubing adequately secured to front bolster and rear axle YESNO ADDENDUM
X7.1.3	Main frame of $\frac{4}{}$ inch x $\frac{4}{}$ inch x $\frac{5/16}{}$ inch steel tubing bracing frame with
	4 inch x 4 inch x 5/16 inch steel tubing main structure mounted over hood
	of tractor of 4 inch x 4 inch mounting rail

X7.1.4	Is unit counterweighted to maintain the most possible g opposite side of mower during all reach out, up, and do specified head X Y	round pressure of tires on wn operations of boom with ESNO
X7.2 H	Hydraulic Reservoir:	
X7.2.1	Is manufacturer's properly sized hydraulic oil reservoir mower functions including forward, aft, up, down, and	capable of operating all rotary head X YESNO
X7.2.2	Tank has a built in oil level sight glass and thermometer	r_x_YESNO
X7.2.3	Is hydraulic filter capable of providing suitable filtration	n for systemx_YESNO
X7.2.4	Tank equipped with a shut off valve for closing when cldraining of tank	nanging filter or hoses and forX YESNO
X7.2.5	Unit equipped with front piston type pump(s) to operate maximum operation with manufacturer's temperature ra	all mower functions at inge YESNO ADDENDUM
X7.2.6	Hydraulic GPM manufacturers specified to operate all nefficiency	nower functions at maximum X YESNO
X7.2.7	Front pump(s) is idle during transport	X YES NO
X7.2.8	Circuit hoses of inch four wire braid	
X7.2.9	Are all hoses routed through conduit and securely fasten	ed for best brush protection X YESNO
X7.2.10	Deck hoses are four wire braid fitted with cordura sleevi	ng for brush protection X YES NO
X7.2.11	Mower controls are five (5) section valve controlled through	ough a single electronic X YES NO
X7.2.12	Valve allows a minimum of 4 functions simultaneous	usly
X7.2.13	The swing, lift, and dipper sections have individual relie protection	f valves to give breakaway XYESNO
X7.2.14	Mower cutter has a 6 second emergency shutdown	X YES NO

X7.2.15	Mower head motor takes 6 seconds to wind up to full l startup"		or a "no _YES		
X7.2.16	Cylinders are mounted in such a way that breakaway for barrel side of cylinder and not the rod side				
X7.3 B	Boom Rest:				
X7.3.1	A boom rest is mounted to mower frame to cradle boom		g trans YES		NO
X7.3.2	Boom rest takes pressure off all cylinders when in trans	sport X	YES		NO
X7.3.3	When in stow, tractor and mower are 108 inches 10'6" feet high	with 6	0	inch ro	tary and
X7.4 S	afety Cage:		•		
X7.4.1	Is a safety cage installed on right side and top of operat	or's po	sition YES_		NO
	Also a sloping brush shield over entire hood area	X	YES_		NO
X7.4.2	Cage is constructed of expanded metal and permanently		ted to t		NO
X7.4.3	Is a lexon safety glass window part of the safety cage	X	YES_		NO
	Does this window cover the door window and hinged mattractor window can be cleaned	ounted X			
X7.5 Bo	pom:				
X7.5.1	Boom is two (2) piece design with all pivot points havir	ig repla			
X7.5.2	Pivot pins1.5inch diameter				
X7.5.3	Inner boom made of 6 inch x 6 inch x 3/8	_inch s	teel tul	oing	
	50,000 lb/sq inch yield strength				
X7.5.4	Dipper boom made of 5 inch x 5 inch x 3/8	inch st	eel tub	ing	
	50,000 lb/sq inch yield strength				

X7.5.5	All hinge points are T-1 steel reinforcement	X	YES	NO
X7.5.6	Boom swing from stow position 140 degrees forward	ırd		
X7.5.7	Boom reach up 21 feet			
X7.5.8	Boom reach out 21 feet from tractor centerline to c	outside	edge or c	utting blade arc
X7.5.9	Boom reach down 12 feet below tractor ground lev	/el		
X7.5.10	Boom mower head capable of mowing within inches of tractor to stay further out of traffic lane	of rear	tractor tire YES	allowing NO
X7.6 B	rush Head:		•	
X7.6.1	Cutting width 58 inches			
X7.6.2	Top deck A715Grade 80		·	
X7.6.3	Side skirts 3/8 inch steel			
X7.6.4	Top deck reinforced with channel frame with a reinforced		ndle mou	
X7.6.5	Deck has replaceable full length skid shoes	X	_ YES	NO
X7.6.6	Spindle bearings tapered roller type in a sealed housing	g <u>X</u>	YES	NO
X7.6.7	Blades 5 inch wide x 5/8 inch thick double edg 360 degrees	e temp	ered steel _YES	and full swing NO
X7.6.8	Blade bolts 1-1/8nch x 3 heat treated, grade 8 nut and roll pin	sho X	oulder bolt YES	with a castel NO
X7.6.9	Motor direct drive, splined and totally enclosed excludi		in or flex YES	
X7.6.10	Motor cast steel and sized to match the hydraulic pump manufacturer	propo	sed by the YES	mower NO
X7.6.11	A front safety shield, hydraulic actuated, center feed me joystick control	etal do	or operatio	onal from NO
X7.6.12	Cutter deck rotation 160 degrees			

X7.6.1	3	Rear shield rubber/fabric material	X	_YES	_ NO
X7.7	Со	mplete unit shall be delivered with all manufacturers safe	ty fea	atures intact	
			X	_YES	_NO
X7.8	Мо	ower is manufacturers standard color	X	YES	_ NO
X7.9	Do	es the proposed unit meet 'OSHA of 1970" requirements	Х	_ YES	_NO
X7.10	Do	es advertising meet specifications	X	YES	_NO
X7.11	Pre	ventive Maintenance and Operators Orientation/Training			
X7.11.	1	Will a preventive maintenance and operator's training ser	ninar	be provide	d as
		requested?	X	YES	_NO
		Will manuals, booklets, etc, explaining preventive mainte	enanc	e, operator	procedures,
		and service schedule be delivered with the unit			
		If NO, explain			
		Will you furnish all training aids	Х	YES	_NO

706EC011

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:

Revised 02/08/06

The vendor must be licensed in accordance with any and all state requirements to do business with the state of West Virginia.

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:	Hayhurst Equipment,	Inc.				
Authorized Signature:	Solarhurst	President _{Date:}	05	July	2006	
Va Daht Affidavit	// /			,		



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

Request for

706EC011

P/	GE	
		7

DRESS CORRESPONDENCE TO ATTENTION OF

JOHN JOHNSTON 304-558-2402

DOR

*709044440 304-659-2917 HAYHURST EQUIPMENT INC PO BOX 457

PENNSBORO WV 26415

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

SHIP VIA F.O.B. FREIGHT TERMS TERMS OF SALE DATE PRINTED <u>Pre-Paid</u> 06/30/2006 Direct Destination Net 30 Days 01:30PM BID OPENING TIME BID OPENING DATE: 07/12/2006 CAT ITEM NUMBER UNIT PRICE AMOUNT UOP LINE QUANTITY NO. ADDENDUM NO. 1 CHANGES TO THE SHECIFTCATIONS PER THE ATTACHED. BID OPENING DATE AND TIME REMAINS THE SAME. NO OTHER CHANGES 020-65 0001 EA REFER TO PAGE 18 OF ORIGINAL FOR PRICING!! MID MOUNTED ARTICULATED HYDRAULIC POWERED BOOM MOWER THIS IS THE END OF REQ 706Ed011 ***** TOTAL: burde call rowll eren, WV 25308-65 SEE REVERSE SIDE FOR TERMS AND CONDITIONS TELEPHONE 304-659-2917 PATE 5 July 2006 ADDRESS CHANGES TO BE NOTED ABOVE 55-056-5833-001

ADDENDUM #1 706EC011

OPEN END CONTRACT MID-MOUNTED ARTICULATED HYDRAULIC POWERED BOOM MOWER

Changes to Specifications:

FROM:

1. 7.2.5 Unit shall be equipped with front piston type pump(s) to operate <u>all</u> mower functions at maximum operation within manufacturer's temperature range.

TO:

1. 7.2.5 Unit shall be equipped with front piston type pump(s) to operate <u>all</u> mower functions at maximum operation within manufacturer's temperature range excluding the use of the tractor hydraulics.

FROM:

2. 7.5.3 Inner boom to be made of 6 inch x 6 inch x 3/8 inch steel tubing minimum 50,000 lb/sq. inch yield strength

TO:

2. 7.5.3 Inner boom shall be made of 6 inch x 6 inch x 3/8 inch steel tubing minimum 50,000 lb/sq. inch yield strength

FROM:

3. 7.5.4 Dipper boom to be made of 5 inch x 5 inch x 3/8 inch steel tubing minimum 0,000 lb/sq. inch yield strength.

TO:

3. 7.5.4 Dipper boom shall be made of 5 inch x 5 inch x 3/8 inch steel tubing minimum 50,000 lb/sq. inch yield strength

ADDENDUM #1 706EC011

OPEN END CONTRACT MID-MOUNTED ARTICULATED HYDRAULIC POWERED BOOM MOWER

Changes to Bidder's Evaluation Report:

FROI	1 :				
	X7.1.2	2 Mounting frame is full length 4 inch x 4 inch x 3/8 inch stee secured to front bolster and rear axle		ng adequat YES	
TO:	X7.1.2	Mounting frame is full length 4 inch x 4 inch x 1/4 inch stee secured to front bolster and rear axle		ng adequat YES	-
FRON	1:				
2.	X7.2.5	Unit equipped with front piston type pump(s) to operate all n maximum operation with manufacturer's temperature range	nower	functions YES	at NO
ТО:					
2.	X7.2.5	Unit equipped with front piston type pump(s) to operate <u>all maximum</u> operation with manufacturer's temperature range etractor hydraulics	exclud		e of
3,	X7.5.3	No Change Required			
l.	X7.5.4	No Change Required			

SIGN IN SHEET RFS 706 Eccil Date 6/29/06

Page of

Firm & Representative Name	: Mailing Address:	Phone&Fax#:
1. Zach Marsh	2032 Fairmer Ave	P_304-34-4690
Middletown Tractor Seles	Fairment WV 26554	F 304 366 4698
2 Jack Cartner	Cambridge Clic 43725	740 439 2725
		304-651-2917
Phillip A. Conkins	P.O. BOX 157 PENNSECRO WY. 26115	304-459-3371
4. Fainplain Tracter	P.O. BOX 287	304372-9875
GENC Fisher	Ripley WUG	304-532-72/660/
5. For l'Harner	Social Jus 50 57106	267-481-2876
	21134 Parkling	605-498-1712
6. Dasre/Pichaden	4205 PAIGFFREENKLUY Da/uth, 6-A20096	678-641-1604
7. Boins Duringry Bill Miller	1063 Licely Huy VAN Dest, Oh. 43891	

Please print or write legibly!
Your Fax # is essential to contact you timely!

Page ____of___

Firm & Representative Name: Mailing Address: Phone&Fax#: 1. Alamo Induspera 1502 E Walnus P/-830-305-700/ Doug BAKOR SEGUM, TX 78155 F 1-317-865-7787

SIGN IN SHEET

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ALAMO INDUSTRIAL®

Specifications

21' MACHETE®

MID-MOUNTED, ARTICULATED, SEVERE-DUTY BOOM

It is the purpose of this specification to describe a 21' mid-mounted, articulated, hydraulically-powered boom mower for cutting grass and brush on roadsides and other areas that are not accessible to conventional mowing equipment. The unit bid shall be the manufacturer's current production that meets or exceeds the following minimum specifications.

FRAME:	vendors Spec:
Mounting rail framework shall be full-length 4" x 4" x 5/16" steel tubing mounted to the front bolster housing and	
to the rear axle. (Specifically excluding framework bolting to the bell housing of the tractor.)	
Mainframe shall be no less than a 4" x 4" x 5/16" steel tubing bracing frame with 4" x 4" x 5/16" steel tubing main	
structure mounted over the hood of the tractor to the 4" x 4" mounting rails.	
Shall have a minimum counterweight of 1300 lb.	
HYDRAULIC RESERVOIR:	***************************************
Shall have a front mounted reservoir for improved operator visibility, safety, and operator access. (Side mounted	
tanks will not be accepted.)	
Shall have a 19-gallon reservoir with a built-in oil level sight glass and thermometer.	
FILTERS:	
Shall have a minimum of a 16 micron charge filter and a full flow rating of 35 GPM	
The unit shall have a pre-valve inline pressure filter with a maximum 12 micron filter, filter condition gauge and a	
minimum of rating of 30 gpm	
KING POST:	
Shall have two 2-1/2" ID impregnated bearings with a 2-1/2" dia. chrome plated pin.	
Shall have a 5" dia. x 1/4" thick UHMW polyethylene thrust washer.	***************************************
Shall have a minimum total bearing area of 46 sq. in.	
BOOM ARM:	***************************************
Shall be of a two-piece design with all pivot points having replaceable bearings.	
All pivot pins shall be a minimum of 1-1/2" in diameter.	***************************************
The inner boom shall be made of a minimum of 6" x 6" x 3/8" wall steel tubing, 50,000 lb./sq. in. yield strength	
The dipper shall be made of a minimum of 5" x 5" x 3/8" wall steel tubing, 50,000 lb./sq. in. yield strength.	***************************************
All hinge points shall use T-1 [®] steel for reinforcement.	
Horizontal boom swing shall be a minimum of a 125-degree swing hydraulically operated.	***************************************
The swing cylinder shall be mounted in such a way that the breakaway forces are transmitted to the barrel side of	
the cylinder and not the rod side.	***************************************
BOOM REACH: (with Machete 60 head)	
The minimum reach up shall be 21' 7".	
The minimum reach out shall be 21' 3".	***************************************
The minimum reach down shall be 12' 10" below tractor ground level.	
Boom mower head shall be able to mow within 2' 11" of the rear tractor tire. (Note: All measurements are based o	n
a 96" outside tire spread with 18.4 x 30 tires.)	
Shall use four-bar linkage to allow 205-degree head rotation.	
HYDRAULICS:	
Shall have a closed-loop hydrostatic piston pump rated at 46 GPM at 3600 RPM and 5000 PSI.	******
The front pump shall be idle during transport.	
Drive shaft assembly to the pump shall be rated at a minimum of 371-ft. lb. of torque.	***************************************
All motor circuit hoses shall be a minimum of 1" four-wire braid with an SAE rating of 100R12.	·
The dipper boom hoses shall be of metal tubing and fasten to the inside of the boom.	
The inner boom hoses shall be metal tubing and fasten to outside and back of the boom.	***************************************
The mower deck hoses shall be of a four-wire braid SAE 100R12 fitted with Cordura sleeving for protection	
against the brush.	

CYLINDER VALVE: The cylinder valve shall be a five-spool, electronic, proportional, pressure-compensating type with a main relief. The valve shall allow a minimum of four functions simultaneously. The swing, lift, and dipper sections have individual work port relief valves to give individual breakaway protection. The valve shall be covered to protect from falling debris
BOOM CONTROLS:
All five functions of the valve shall be controlled through a single electronic joystick.
SAFETY:
The mower cutter bar shall have a 6-second emergency shut down.
The mower head motor shall take 6-seconds to wind up to full RPM for a "no-shock no-load start-up."
SAFETY CAGE:
A safety cage shall be installed on the right side and top of the operator's position on a ROPS tractor and on the
right side of a canopy tractor. This cage shall be constructed of expanded metal and lexan and permanently
mounted to the tractor. BOOM REST:
A boom rest shall be mounted to the rear axle or to the mower frame to cradle the boom when it is in transport
position. The rest shall take pressure off the lift, dipper, and swing cylinders when it is in transport. ROTARY 60 BRUSH HEAD
DECK:
The unit shall have a minimum cutting width of 58".
The top deck shall be constructed using a minimum of A715 alloy steel or equivalent.
The side skirts shall be constructed using a minimum of 3/8" steel.
Top of the deck shall be reinforced with channel frame with a reinforced spindle mount plate.
Shall have replaceable, full-length skid-shoes.
SPINDLE:
Shall be a minimum of 4-1/2" x 9" heat-treated, 4340 alloy steel.
Spindle bearing shall be tapered roller bearings, 2-1/2" ID top and 2-5/8" ID bottom, in a sealed housing.
MOTOR DRIVE:
Shall be direct drive, splined and totally enclosed drive, and excluding chain couplers or flex couplers.
BLADE BAR:
Shall use a three-leaf, stacked blade bar with the bottom leaf being made out of T-1® steel.
BLADES:
Shall be full swing (360 degrees), double edged, tempered steel that are 5/8" x 5" x 14-5/8".
Shall use 1-1/8" x 3" heat-treated, grade 8 shoulder bolt with a castle nut and roll pin.
MOTOR:
Shall be a cast-iron, piston-type motor rated at 199 HP at 4100 RPM and 6000 PSI.
The spindle speed shall be a minimum of 1220 RPM and 4916 in. lb. of torque.
SAFETY SHIELDS:
The front shield shall be hydraulically actuated, center feed, metal door. Operational from the operators Joystick
control.
The rear shield shall be no less than rubber/fabric material.
OPTIONAL HEADS:
• FLAIL AXE® 48 • Machete 60 HD Flail •Buzzbar□ Tree Limb Cutter

Lexan® safety screen, special paint, Quick Hitch for quick and easy cutting head changes.

OPTIONAL EQUIPMENT:

ALAMO INDUSTRIAL

LIMITED WARRANTY

1. LIMITED WARRANTIES

- 1.01. Alamo Industrial warrants for one year from the purchase date to the original non-commercial, governmental, or municipal purchaser ("Purchaser") and warrants for six months to the original commercial or industrial purchaser ("Purchaser") that the goods purchased are free from defects in material or workmanship.
- 1.02. Manufacturer will replace for the Purchaser any part or parts found, upon examination at one of its factories, to be defective under normal use and service due to defects in material or workmanship.
- 1.03. This limited warranty does not apply to any part of the goods which has been subjected to improper or abnormal use, negligence, alteration, modification, or accident, damaged due to lack of maintenance or use of wrong fuel, oil, or lubricants, or which has served its normal life. This limited warranty does not apply to any part of any internal combustion engine, or expendable items such as blades, shields, guards, or pneumatic tires except as specifically found in your Operator's Manual.
- 1.04. Except as provided herein, no employee, agent, Dealer, or other person is authorized to give any warranties of any nature on behalf of Manufacturer.

2. REMEDIES AND PROCEDURES.

- 2.01. This limited warranty is not effective unless the Purchaser returns the Registration and Warranty Form to Manufacturer within 30 days of purchase.
- 2.02. Purchaser claims must be made in writing to the Authorized Dealer ("Dealer") from whom Purchaser purchased the goods or an approved Authorized Dealer ("Dealer") within 30 days after Purchaser learns of the facts on which the claim is based.
- 2.03. Purchaser is responsible for returning the goods in question to the Dealer.
- 2.04. If after examining the goods and/or parts in question, Manufacturer finds them to be defective under normal use and service due to defects in material or workmanship, Manufacturer will:
 - (a) Repair or replace the defective goods or part(s) or
 - (b) Reimburse Purchaser for the cost of the part(s) and reasonable labor charges (as determined by Manufacturer) if Purchaser paid for the repair and/or replacement prior to the final determination of applicability of the warranty by Manufacturer.
 - The choice of remedy shall belong to Manufacturer.
- 2.05. Purchaser is responsible for any labor charges exceeding a reasonable amount as determined by Manufacturer and for returning the goods to the Dealer, whether or not the claim is approved. Purchaser is responsible for the transportation cost for the goods or part(s) from the Dealer to the designated factory.

3. LIMITATION OF LIABILITY.

- 3.01. MANUFACTURER DISCLAIMS ANY EXPRESS (EXCEPT AS SET FORTH HEREIN) AND IMPLIED WARRANTIES WITH RESPECT TO THE GOODS INCLUDING, BUT NOT LIMITED TO, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
- 3.02. MANUFACTURER MAKES NO WARRANTY AS TO THE DESIGN, CAPABILITY, CAPACITY, OR SUITABILITY FOR USE OF THE GOODS.
- 3.03. EXCEPT AS PROVIDED HEREIN, MANUFACTURER SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO PURCHASER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS, OR DAMAGE CAUSED OR ALLEGED TO BE CAUSED DIRECTLY OR INDIRECTLY BY THE GOODS INCLUDING, BUT NOT LIMITED TO, ANY INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES RESULTING FROM
- THE USE OR OPERATION OF THE GOODS OR ANY BREACH OF THIS WARRANTY. NOT WITHSTANDING THE ABOVE LIMITATIONS AND WARRANTIES, MANUFACTURER'S LIABILITY HEREUNDER FOR DAMAGES INCURRED BY PURCHASER OR OTHERS SHALL NOT EXCEED THE PRICE OF THE GOODS.
 - 3,04.NO ACTION ARISING OUT OF ANY CLAIMED BREACH OF THIS WARRANTY OR TRANSACTIONS UNDER THIS WARRANTY MAY BE BROUGHT MORE THAN TWO (2) YEARS AFTER THE CAUSE OF ACTION HAS OCCURRED.

4. MISCELLANEOUS.

- 4.01. Proper Venue for any lawsuits arising from or related to this limited warranty shall be only in Guadalupe County, Texas.
- 4.02. Manufacturer may waive compliance with any of the terms of this limited warranty, but no waiver of any terms shall be deemed to be a waiver of any other term.
- 4.03.If any provision of this limited warranty shall violate any applicable law and is held to be unenforceable, then the invalidity of such provision shall not invalidate any other provisions herein.
- 4.04.Applicable law may provide rights and benefits to purchaser in addition to those provided herein.

KEEP FOR YOUR RECORDS

ATTENTION: Purchaser should fill in the blanks below for his reference when buying repair parts and/or for proper machine identification when applying for warranty.

Alamo Industrial Implement Model	Serial Number	
Date Purchased	Dealer	
Date divisaged	. Dogies	

ATTENTION:
READ YOUR OPERATOR'S MANUAL

ALAMO INDUSTRIAL

An Alamo Group Company Post Office Drawer 549 Seguin, Texas 78156 830-379-1480

