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

Request for

RFQ NUMBER DRS090622

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SHELLY MURRAY <u> 304-558-8801</u>

DIV OF REHABILITATION SERVICES WV REHABILITATION CENTER ATTENTION: RECEIVING

INSTITUTE, WV 25112

766-4621

BOBCAT OF ADVANTAGE VALLEY PO BOX 7555 CROSS LANES WV

304-776-9100

DATE PRINTED TERMS OF SALE: SHIP VIA F.O.B. FREIGHT TERMS 12/23/2008 Net 10 Truck Delivered **BID OPENING DATE:** 01/29/2009 OPENING TIME BID 01.30PM CAT. LINE QUANTITY UOP UNIT PRICE ITEM NUMBER AMOUNT THE WV PURCHASING DIVISION, FOR THE AGENCY, THE WV DIVISION OF REHABILITATION SERVICES, IS SOLICITING BIDS FOR ONE SKID STEER LOADER WITH ATTACHMENTS AND THREE UTILITY VEHICLES PER THE ATTACHED SPECIFICATIONS. TECHNICAL QUESTIONS MUST BE SUBMITTED IN WRITING TO SHELLY MURRAY IN THE WY PURCHASING DIVISION VIA MAIL AT THE ADDRESS SHOWN AT THE TOP OF THIS REQ, VIA FAX AT 304-558-4115, OR VIA EMAIL AT SHELLY.L.MURRAY@WV.GOV. DEADLINE FOR ALL TECHNICAL QUESTIONS IS 01/13/2009 AT THE CLOSE OF BUSINESS. ALL TECHNICAL QUESTIONS RECEIVED, IF ANY, WILL BE ANSWERED BY ADDENDUM AFTER THE DEADLINE. QUESTIONS CONCERNING THE ACTUAL PROCESS BY WHICH A VENDOR MAY SUBMIT A BID TO THE STATE OF WV ARE NOT donsidered to be technical questions and may be SUBMITTED AT ANY TIME PRIOR TO THE REQ OPENING DATE AND IN ANY FORMAT. RECEIVED 2009 JAN 28 PM 2: 27 20001 LS 0170-48-50-001 1 W PURCHASING -VEHICLES, UTILITY DIVISION 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 TO THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN. SEE REVERSE SIDE FOR TERMS AND CONDITIONS *304-776-910*0 1-28-09

ADDRESS CHANGES TO BE NOTED ABOVE

55 COOS 8298 WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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

Request for REGINUMBER

DRS090622

ADDRESS CORRESPONDENCE TO ATTENTION OF

SHELLY MURRAY 304-558-8801

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*709035519 04 304-776-9100 BOBCAT OF ADVANTAGE VALLEY PO BOX 7555

CROSS LANES WV 25313

DIV OF REHABILITATION SERVICES WV REHABILITATION CENTER ATTENTION: RECEIVING Ō

INSTITUTE, WV

25112 766-4621

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*709035519 04

CROSS LANES WV

PO BOX 7555

State of West Virginia
Department of Administration

Request for Quotation

DRS09062 Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

BOBCAT OF ADVANTAGE VALLEY

304-776-9100

DRS090622

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SHELLY MURRAY

<u> 304-558-8801</u>

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INSTITUTE, WV

25112

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766-4621

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COST SHEET DRS090622

Item	Qty	Description	Unit Price	Extended Price
1	1	Skid Steer Loader	\$ <u>19224</u>	\$_19224_
	1	Trencher	\$ <u>3,34/</u>	\$ <u>3,341</u>
	1	Back Hoe	\$ <u>7,985</u>	\$ 7,985
	1	Pallett Fork Carriage	\$_606_	\$_606
2	3	Utility Vehicle	\$ <u>9,377</u>	\$ 28,131

The above items' Unit Prices shall be inclusive of first year warranty per Section IV of the specifications.

GRAND TOTAL

\$ 59,287.00

Unit Pricing shall be all-inclusive. No separate reimbursement will be made to the vendor for shipping or any other expense. Shipping shall be FOB Destination.

Bidders should complete and return with their bid:

Skid Steer Loader:
Manufacturer: Bobcot Model: S130 Literature Attached: Yes No Estimated Delivery: 30-45 clays
Trencher:
Manufacturer: Bocat Model: LT313 4'X8" Literature Attached: Yes No Estimated Delivery: 30-45 days
Back Hoe:
Manufacturer: Bobcat Model: 709 Wbucket Literature Attached: Yes No Estimated Delivery: 30-45 clays
Pallet Fork Carriage:
Manufacturer: Bobcat Model: Pallet Fork Literature Attached: Yes No Estimated Delivery: 30-45 ckeys
Utility Vehicle:
Manufacturer: Boxot Model: 2100 Literature Attached: Yes No Estimated Delivery: 30-45 class

REQUEST FOR QUOTATION DRS090622

I. PURPOSE

To provide three (3) Utility Vehicles and one (1) Skid Steer Loader to the WV Division of Rehabilitation Services, Rehabilitation Complex, Institute, WV.

II. DELIVERY

Machines must be completely pre-serviced with oil, lubricants, and coolant. All prescribed precautions pertaining to first operations and break-in of the unit are to be provided to the agency upon delivery.

The machines shall be completely assembled, adjusted with all equipment including standard and extra equipment installed and ready for continuous operation. The Skid Steer Loader is not required to have the trencher, backhoe, or pallet fork attached to the machine at time of delivery.

Machines shall be delivered within 45 days of receipt of order. Vendor should indicate expected delivery time on their bid.

III. OPERATION AND SERVICE MANUALS

Successful vendor shall provide all available Operation and Service Manuals, Booklets, and Pamphlets for Operator Procedures and Preventive Maintenance for the machines provided.

IV. WARRANTY

All machines shall have a minimum one year full parts and labor warranty. The successful vendor must have available labor and materials to repair or replace any defective parts, components and materials found to be defective during the term of the warranty period.

V. SPECIFICATIONS OF QUOTED UNITS/BASIS OF AWARD

The machines furnished shall be of the latest improved model in current production as offered to commercial trade. All machines shall be new.

Vendor shall provide all pertinent manufacturer literature for any alternate bid. Detailed component specifications, product literature, component models, required for specification compliance determination by the Evaluators should be provided with the bid. Vendors should complete the attached list of equipment, providing the manufacturer, model number, estimated delivery, and confirmation of attached literature and return with their bid. The State reserves the right to waive minor deviations from the RFQ specifications if found to be in the best interest of the State to do so.

Award shall be made to the lowest bidder meeting specifications. The State reserves the right to make multiple awards if found to be in the best interest of the State.

VI. SKID STEER LOADER SPECIFICATIONS (qty 1) (ITEM 1) and ATTACHMENTS (qty 1 each)

- 1. Caterpillar 216B Series 2 Skid Steer Loader, or equal
- 2. Must include and meet the following minimum Electrical specifications:
 - a) 12 volt Electrical System
 - b) 65 ampere Alternator
 - c) Ignition Key Start/Stop Switch
 - d) Lights: Gauge Backlighting, Two Rear Tail Lights, Two Adjustable Front and Rear Halogen Lights, Dome Light
- 3. Must include and meet the following minimum Operator Environment specifications:
 - a) Gauges: Fuel Level, Hour Meter
 - b) Operator Warning System Indicators: Air Filter Restriction, Alternator Output, Armrest Raised/Operator Out of Seat, Engine Coolant Temperature, Engine Oil Pressure, Glow Plug Activation, Hydraulic Filter Restriction, Hydraulic Oil Temperature, Parking Brake Engaged
 - c) Vinyl Seat
 - d) Control Interlock System, when operator leaves seat or armrest raised Hydraulic System Disables, Hydrostatic Transmission Disables, Parking Brake Engages
 - e) ROPS Cab, Open, Tilt Up
 - f) FOPS, Level 1
 - g) Top and Rear Windows
 - h) Deluxe Headliner
 - i) Floor Mat
 - j) Interior Rear View Mirror
 - k) 12 volt Electric Socket

- I) Horn
- m) Pull Down Ergonomic Contoured Armrest
- 4. Must include and meet the following minimum Power Train specifications:
 - a) Cat C2.2 Interim Tier 4 Compliant Diesel Engine
 - b) Air Cleaner, Dual Element, Radial Seal
 - c) SOSSM Sampling Valves, Engine Oil and Hydraulic Oil
 - d) Filters: Spin on, Hydraulic
 - e) Filter: Bayonet-type, Fuel and Water Separator
 - f) Tilt Up Radiator/Hydraulic Oil Cooler
 - g) Standard Muffler
 - h) Spring Applied, Hydraulically Released, Wet Multi Disc Parking Brakes
 - i) Hydrostatic Transmission
 - i) Four Wheel Chain Drive
 - 5. Must include and meet the following minimum Other specifications:
 - a) Engine Enclosure, Lockable
 - b) Extended Life Antifreeze, -36 degree C (-33 degree F)
 - c) Machine Tie Down Points (4)
 - d) Support, Lift Arm
 - e) Hydraulic Oil Level Sight Gauge
 - f) Radiator Coolant Level Sight Gauge
 - g) Radiator, Expansion Bottle
 - h) Cat ToughGuard Hose, or equal
 - i) Auxiliary, Hydraulics, Continuous Flow
 - j) Heavy Duty, Flat Faced Quick Disconnects
 - k) Split D-Ring to Route Work Tool Hoses Along Side of Left Lift Arm
 - I) Electrical Outlet, Beacon, or equal
 - m) Belly Pan Cleanout
 - n) Quick Coupler, Mechanical
 - o) Seat Belt, 2"
 - p) Enclosed ROPS (C2): C1 plus Heater, Cab Door, Side Windows, Cab Debris Barrier
 - q) Control Package 2: Proportional Auxiliary Hydraulics Basic
 - 6. Must include and meet the following minimum Optional Equipment specifications:
 - a) Engine Block Heater, 120V
 - b) Backup Alarm
 - 7. Trencher- Must include and meet the following minimum specifications:
 - a) Model T9B, Part # 241-4253 Standard, or equal
 - b) Minimum 8" Trench Width

- c) Direct Drive standard flow auxiliary hydraulics
- d) Hard-faced medium carbon alloy steel cupped teeth
- e) Formed skid shoe
- 8. Backhoe Must include and meet the following minimum specifications:
 - a) Model BH150, Part # 253-1482, or equal
 - b) In-cab operation allows operator to dig, excavate, side-shift, and reposition the machine and backhoe without leaving the seat
- 9. Pallet Fork Carriage Must include and meet the following minimum specifications:
 - a) Model 149-1411, or equal
 - b) Maximum 42" fork tine length
 - c) Minimum 4" fork tine width
 - d) Notched, rail-type carriage allows fork tines to be changed and locked into place
 - e) Heavy Duty Load Backrest must not obscure ability to see fork tips

VII. UTILITY VEHICLE SPECIFICATIONS (qty 3) (ITEM 2)

Must include and meet the following specifications:

- 1. Bobcat 2100 4x2, or equal
- 2. Minimum 13hp Gas, Air Cooled Engine
- 3. Minimum 800 lb bed load capacity
- 4. Minimum 1,200 lb total vehicle rated capacity
- 5. Maximum 19 mph travel speed
- 6. Minimum 48" Flat Bed
- 7. Standard Emissions
- 8. Standard Road Light Package to include tail lights, brake lights and horn
- 9. Full Cab Enclosure to include Seat Belt Kit, Cab Mounting Kit, Fan/Defogger, Safety Glass Windshield with Wiper, locking doors, canopy, and sliding side windows

- 10. Road Tires with Black Rims
- 11. 2" Rear Receiver Hitch
- 12. Parking Brake

Rev. 09/08

State of West Virginia

VENDOR PREFERENCE CERTIFICATE

Certification and application* is hereby made for Preference in accordance with **West Virginia Code**, §5A-3-37. (Does not apply to construction contracts). **West Virginia Code**, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the **West Virginia Code**. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

1.	Application is made for 2.5% resident vendor preference for the reason checked: Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or, Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or, Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,		
2.	Application is made for 2.5% resident vendor preference for the reason checked: Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,		
3	Application is made for 2.5% resident vendor preference for the reason checked: Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affillate 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 Bidder's 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; or,		
4.	Application is made for 5% resident vendor preference for the reason checked: Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,		
5.	Application is made for 3.5% resident vendor preference who is a veteran for the reason checked: Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,		
6.	Application is made for 3.5% resident vendor preference who is a veteran for the reason checked: Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.		
requirer against	understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the ments for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency cted 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 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 contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.			
Bidder:	Bobrat of Advantage Valley Signed:		
Date:	1-28-09 Title: Bobent Specialist		
*Check ar	ny combination of preference consideration(s) indicated above, which you are entitled to receive.		

RFQ No.	DRS090622
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STATE OF WEST VIRGINIA Purchasing Division

PURCHASING AFFIDAVIT

VENDOR OWING A DEBT TO THE STATE:

West Virginia Code §5A-3-10a provides that: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

West Virginia Code §21-1D-5 provides that: Any solicitation for a public improvement construction contract shall require each vendor that submits a bid for the work to submit at the same time an affidavit that the vendor has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code. A public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the West Virginia Code may take place before their work on the public improvement is begun.

ANTITRUST:

In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

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 is in compliance with the requirements as stated.

Vendor's Name: Bobeat of Advantage	Valley
Authorized Signature:	/ Date: / - 2を-つり
Purchasing Affidavit (Revised 07/01/08)	



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

Request for Quotation

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SHELLY MURRAY

ADDRESS CORRESPONDENCE TO ATTENTION OF 304-558-8801

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5519 04 304-776-9100 OF ADVANTAGE VALLEY 7555

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2019 Washington Street East
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RFQ # DRS090622 ADDENDUM # 1

Question:

Do you require a bucket for the Skid Steer, and if so what size?

Response:

Yes, a bucket is required. The bucket size must be 60" wide, Caterpillar Model # 152-0231, or equal. Bucket must have full length skid bars and hardened steel base and side cutting edges.

Question:

Is there a particular tire size for the Skid Steer?

Response:

No, Vendor shall provide appropriate tires so that the skid steer loader does not exceed 84" in height including the tires.

Question:

A Caterpillar 216B2 has been specified of which we are a dealer that is a registered vendor with the state of WV. However, they have also specified a utility vehicle in the same RFQ that we cannot provide a bid for since all equivalent brands are handled by their respective dealers.

As a result, we feel the current RFQ structure is putting our firm at an unfair competitive disadvantage. Would it be possible to separate the RFQ into two RFQ's, one for the skid steer loader and one for the utility vehicle?

Response:

No, per the second paragraph of page 5 of the original RFQ, the State reserves the right to make multiple awards. Vendors may provide bids on those items they are able to provide, and "no bid" those items they cannot provide.



DIVISION OF JEFFERDS CORPORATION

406 Goff Mountain Road P O Box 7555 Cross Lanes, WV 25356-0555 Phone (304) 776-9100 / Fax (304) 776-0285 www.jefferds.com

Product Quotation

Quotation Number: 2532E03038

Date: 2009-01-28 10:29:37

Customer

WV Rehabilitation Center

Attn: Shelly Murray

Institute, WV 25112

Phone: (304) 558-8801

Bobcat Specialist

Steve Lewis

Phone: (304) 776-9100 Fax: (304) 776-0285 Cellular: (304) 561-8280

E Mail: stevelewis@jefferds.com

Description \$130 Bobcat	Skid-Steer Loader	Part No M0001	Qty 1	Price Ea. \$16,646.00	Total \$16,646.00
Factory Installed	H31 Option Package	M0001-P01-H31	1	\$1,370.00	\$1,370.00
Cab Enclosure with Suspension Seat	• -	Cab Accessory Harne	ss	·	
	Backup Alarm and Horn	M0001-P02-C01	1	\$186.00	\$186.00
	Engine Block Heater	M0001-A01-C02	1	\$64.00	\$64.00
	Counterweights	M0001-A01-C03	1	\$157.00	\$157.00
Dealer Installed	Tailgate Lock Kit	6732001	1	\$63.00	\$63.00
Attachments	62" Low Profile Bucket	6731415	1	\$575.00	\$575.00
7 200000	Bolt-On Cutting Edge, 62"	6718005	1	\$163.00	\$163.00
	LT313 Trencher	6959126	1	\$2,801.00	\$2,801.00
	4' X 8" Cup Teeth, SS Pattern	6807565	1	\$540.00	\$540.00
	709 Backhoe, W/Fold Down Stabilizers	7131854	1	\$7,192.00	\$7,192.00
	13" X-Change Trenching Bucket		1	\$428.00	\$428.00
	Mounting Kit (751,753,763, S13		1	\$365.00	\$365.00
	Pallet Fork Frame	6712927	1	\$347.00	\$347.00
	42" Pallet Fork Teeth	6540183	1	\$259.00	\$259.00

Total of Items Quoted Quote Total - US dollars \$31,156.00 \$31,156.00

All prices subject to change without prior notice or obligation. This price quote supercedes all preceding price quotes. Customer must exercise purchase option within 30 days from quote date.

Authorized Signatures			
			İ
Bobcat of Advantage Valley, Cross	Date	Bobcat of Advantage Valley, Cross Lanes, WV	Date
Lanes, WV			



Total of Items Quoted Quote Total - US dollars

DIVISION OF JEFFERDS CORPORATION

406 Goff Mountain Road P O Box 7555 Cross Lanes, WV 25356-0555 Phone (304) 776-9100 / Fax (304) 776-0285 www.jefferds.com

\$9,377.00

\$9,377.00

Product Quotation

Quotation Number: 2532E03039

Date: 2009-01-28 08:44:51

Customer			Bobcat Sp	ecialist		
WV Rehabilitation	Center	1	Steve Lewi	S		
Attn: Shelly Murra	ay		Phone: (30			
			Fax: (304)			•
Institute, WV 251	12		Cellular: (3	04) 561-	8280	
Phone: (304) 558	-8801		E Mail: ste	velewis@	jefferds.com	
Description			Part No	Qty	Price Ea.	Total
2100 Utility V	/ehicle	e	6813854	1	\$5,841.00	\$5,841.00
2 in. Front & amp; I	Rear Rec	eiver Hitches	Instrumentation:			
400 cc, 13 HP Engi	ine, key-	start, single cylinder	 hourmeter, 	fuel gauge	and low oil wa	arning light
 Pressureiz 	ed oiling	g system with spin filter	Locking differential	(shift on t	he fly)	
Aluminum Frame (Twin I-I	Beam)	Unitzed transaxle wi			clutch:
Beverage holder			forward, neutral and		~	
Brakes - 4-Wheel, l	•		Park brake-mechanic		operated lever	
Bucket seats, highb	oack, gra	У	Rack & Dinion			
Differential Guard			Rear suspension-mul	ti-leaf spi	rings with	
Front brush guard/b			hydraulic shocks			
•	ndenpend	dent a-arm with coil-over shocks	Rear wheel drive	ss on .		
Headlights			Tires: Heavy Duty A			
Manual bed tilt			Machine wi	ath 54 inc	cnes	
Factory Installed	Standa	ard Emissions - 2100	103398301CC	1	\$0.00	\$0.00
	2100	Utility Vehicle Flatbed	1015680CC	1	\$94.00	\$94.00
	Standa	ard Light Package	103396201CC	1	\$67.00	\$67.00
	Horn	•	102480001CC	1	\$38.00	\$38.00
	Road	Tires with Black Rims	SVP292802CC	1	\$209.00	\$209.00
		Signals	SVP176901CC	1	\$204.00	\$204.00
Dealer Installed	Full C	Cab Enclosure	102262901CC	1	\$2,273.00	\$2,273.00
		Seat Belt Kit	102264501CC	1	\$138.00	\$138.00
		Cab Mounting Kit	102263301CC	1	\$256.00	\$256.00
		Fan/Defogger	101994401CC	1	\$105.00	\$105.00
	er ler er	Outside Mirrors	102272601CC	1	\$93.00	\$93.00
	m hr rr	Inside Rear View Mirror	101995101CC	1	\$59.00	\$59.00

All prices subject to change without prior notice or obligation. This price quote supercedes all preceding price quotes. Customer must exercise purchase option within 30 days from quote date.

Authorized Signatures			
Bobcat of Advantage Valley, Cross	Date	Bobcat of Advantage Valley, Cross Lanes, WV	Date
Lanes,WV			

SKID-STEER LOADER

1300 lbs. RATED OPERATING CAPACITY

EFFECTIVE MARCH 11, 2008

For the most up-to-date Bid Specs go to BobcatNET >> Skid-Steer Loaders>> S130>> Bid Specs

These bid specifications are to be used as guidelines when assisting purchasing agents and governmental specification writers in writing specifications for loaders. It is not the intent of these specifications to cover all details of design or construction. The unit shall be fully equipped to perform the work intended and shall be a new, current production model.

For individual assistance in preparing detailed specifications, contact the Sales & Marketing Support Department in West Fargo, ND office at 701/241-8705.

1300 LBS. RATED OPERATING CAPACITY

WORKING RANGE

Angle of Departure	23°
Carry Position	9.1" (231 mm)
Dump Angle at Maximum Height	
Dump Height with Standard Bucket	
Dump Reach at Maximum Height	22.6" (575 mm)
Ground Clearance	
Height to Bucket Hinge Pin	
Height with Operator Cab	
Length without Attachment	
Length with Standard Bucket	
Operating Height	
Rollback @ Carry Position	25°
Rollback Fully Raised @ Maximum Height	96°
Turning Radius with Standard Bucket	68.7" (1745 mm)
Wheelbase	35.5" (900 mm)
Wheel Tread	48.1" (1222 mm)
Width (over standard tires)	58.65" (1489.7 mm)
Width (over bucket)	

PERFORMANCE

Rated Operating Capacity - SAE	1300 lbs. (590 kg)
Rated Operating Capacity with Counterweight (Option)	1400 lbs. (635 kg)
Tipping Load - SAE Rated	2634 lbs. (1195 kg)
Operating Weight - SAE Rated	5235 lbs. (2375 kg)
Travel Speed	
Lift Breakout Force (SAE)	
Tilt Breakout Force (SAE)	
Push Force	
	` -,

ENGINE/ELECTRICAL

- 4 cylinder, liquid-cooled diesel; 46 hp (SAE Net) /49 hp (SAE Gross) at 2700 governed RPM.
 Engine meets EPA Interim Tier IV Emission Standards.
- Spark arrestor muffler, dual element air cleaner and glow plug cold weather assist must be provided as standard equipment.
- Engine coolant shall include propylene glycol anti-freeze with freeze protection to -34°F (-37°C).
- Cooling air shall be drawn from above the loader uprights to provide clean, cool air.
- Air cleaner, dry replaceable cartridge with safety element.
- Battery shall be 12 volt with a minimum of 600 cold-cranking amps.
- Alternator shall be a minimum 90 amp.
- Starter shall be 12 volt; gear reduction type, 4.02 hp (3,0 kW).
- Starting aid should be automatically activated glow plugs.

DRIVE SYSTEM

- Fully hydrostatic four-wheel drive.
- Transmission shall be infinitely variable tandem hydrostatic piston pumps, driving two fully reversing hydrostatic motors.
- Final drive chains shall be pre-stressed #80 HSOC endless roller chain (no master link). Two (2) chains per each side of the loader with no idler sprocket.
- Sprockets in sealed chaincase with oil lubrication. Chains shall not require periodic adjustments.
- Final drive axles shall be a minimum 2.00" diameter.
- Wheels shall be fixed to the axle hubs with eight (8) 9/16" wheel bolts.
- Tires:
- 10 16.5 Standard Duty, 8 Ply Rating
- 10 16.5 Heavy Duty, 10 Ply Rating (offset rims available)
- 10 16.5 Severe Duty, 10 Ply Rating (poly-fill available)
- 31.5 x 13 Super Float, 10 Ply Rating

HYDRAULIC SYSTEM

- Pump Type gear type capable of providing 16.9 gpm (64 L/min) @ 3135 Pump RPM for bucket, lift arm and attachment operation.
- System pressure at the quick couplers shall be 2650-2750 psi (183-190 Bar).
- Optional "variable flow" and "maximum flow" auxiliary hydraulics shall be standard.
- Control Valve three spool, open center, series type. Includes lift (with spring detent), tilt and front auxiliary hydraulic spools.
- Cylinders shall be double-acting type. Tilt cylinders shall have cushioning feature on dump.
- Engine/Hydraulic Systems Shutdown will provide automatic engine shutdown to prevent loader damage.
- A hydraulic oil cooler shall be standard equipment.
- Standard auxiliary hydraulics shall include flush face style quick couplers.
- Cylinders shall meet the following minimum specifications:

<u>Function</u>	# of Cylinders	Bore Diameter	Rod Diameter	<u>Stroke</u>
Lift	2	2.00" (50,8 mm)	1.25" (31,8 mm)	26.57" (674,9 mm)
Tilt	1	3.50" (88,9 mm)	1.50" (38,1 mm)	14.50" (368,3 mm)

OPERATOR COMFORT/CONTROLS

- Vehicle Steering forward, reverse, travel speed and steering controlled by two independent hand levers.
- Hydraulic Functions lift and tilt functions controlled by separate foot pedals. Standard front auxiliary hydraulics controlled by electrical switches located on the right steering lever handle.
- Hydraulic Functions (Optional)—Advanced Control System. Allows operator to switch between Advanced Hand Control and Advanced Foot Control for lift and tilt functions.
- Hydraulic Functions (Optional)—Selectable Joystick Controls. Allows operator switch between ISO and H-Pattern for lift and tilt functions.
- Engine Speed controlled by hand lever. Optional Selectable Joystick Controls will include hand lever and foot accelerator pedal.
- Optional rear auxiliary hydraulics controlled by left hand switches.
- Engine starting and shutdown functions shall be controlled electrically with the key switch.
- A feature for draining pressure from the auxiliary hydraulics circuit shall be provided in the instrument panel.
- Keyless start system shall be available as part of the deluxe instrument panel option.

CAPACITIES

Fuel Tank Capacity	13.3 gal. (50,4 L)
Cooling System without heater	12.0 qts. (11,4 L)
Engine Oil with Filter	
Hydraulic/Hydrostatic Reservoir	
Hydraulic/Hydrostatic System	
Transmission (final drive)	

LOADER INSTRUMENTATION

- The loader conditions shall be monitored by a combination of gauges and warning lights in the operator's line of sight that monitor the following functions. The system shall alert the operator of monitored loader malfunctions by way of an audible alarm and visual warning lights.
 - Attachment Control Device (light)
 - BICS Functions (light)
 - Engine Air Filter (light & alarm)
 - Engine Coolant Temp (gauge, light & alarm)
 - Engine Oil Pressure (light & alarm)
 - Fuel Level (gauge, light & alarm)
 - Glow Plugs (light)
 - Hourmeter (gauge)
 - Hydraulic Filter Condition (light & alarm)
 - Hydraulic Oil Temp (light & alarm)
 - Hydrostatic Charge Pressure (light & alarm)
 - Seat Belt (light)
 - System Voltage (light & alarm)
- An air filter restriction indicator shall be provided as standard equipment.

LOADER CONDITION MONITOR/INSTRUMENTATION

- An operating sensing system monitors the following loader conditions and functions:

Warning Lights*** Alarms **Other Functions** Gauges - Engine Coolant Temp - Advanced Control System - Kevless Start - Fuel Gauge - Advanced Hand Controls - Clock - Engine Oil Pressure - Engine Oil Pressure - Job Clock - Hydrostatic Charge Pressure - Hydraulic Oil Temp - Help Functions* - Battery Condition - Engine Coolant Temp - Automatic Shutdown - Tachometer - Hydraulic Oil Temp - Diagnostic Capability** - Hydrostatic Charge Pressure

- Display informs operator of attachment function and usage.
- ** To simplify trouble shooting procedures for active warnings.
- *** The 14 warning lights that are included with the loader instrumentation are also included with the optional Deluxe Instrument Panel.
- A liquid-crystal display in the operator's line of sight will provide the visual warnings as well as constantly displaying fuel level, battery condition, engine oil pressure, engine coolant temperature, hourmeter, hydrostatic charge pressure and hydraulic oil temperature.
- The system will also be capable of storing service history of malfunctions of the loader for later retrieval by use of a diagnostic instrument. Basic items such as loader serial number and hours as well as instantaneous readouts on current loader conditions will be other functions of the diagnostic instrument.
- Ability to monitor real time readouts of these six items: engine oil pressure, engine coolant temperature, hydraulic charge pressure, hydraulic oil temperature, system voltage, engine speed in English or Metric units.

ATTACHMENTS

- All attachments must be mounted on a quick-change mechanism. No attachments will be considered unless it can be removed or mounted by an experienced operator in two (2) minutes or less.
- The quick change mechanism will incorporate two handles that drive spring loaded, wear compensating wedges into the attachment ensuring a tight attachment fit-up.
- Backhoe operation must be possible with the lift arms in the down position.
- A remote attachment control device shall be available for specified attachments to start the loader and operate the attachment from outside the operator control area.
- A single control unit must be provided which will control all available attachments.
- The following Attachments must be available:
 - Angle Broom*
 - Auger
 - Backhoe
 - Bale Fork
 - Breaker, Hydraulic
 - Brush Saw
 - Bucket Adapter
 - Buckets
 - Chipper*
 - Combination Bucket
 - Concrete Mixer*
 - Digger
 - Dozer Blade
 - Dumping Hopper
 - Forks, Utility
 - Grader
 - Grapple, Farm
 - Grapple, Industrial
 - Landplane
 - Landscape Rake
 - Mower
 - Packer Wheel
 - Pallet Fork Hydraulic
 - Pallet Fork Standard

- Planer-standard
- Scarifier
- Scraper
- Seeder
- Snowblade
- Snow Pusher
- Snow V-Blade*
- Snowblower*
- Sod Layer
- Soil Conditioner—manual or hydraulic*
- Soil Cultivator
- Spreader
- Stabilizer
- Sweeper
- Three-Point Hitch
- Tiller
- Tilt-Tatch
- Tracks, steel
- Trench Compactor
- Trencher
- Utility Frame
- Vibratory Roller
- Water Kit
- Whisker Broom

^{*}Attachment Control Kit required

SERVICEABILITY

Access is available to the following through the rear door/tailgate and rear screen

- Air cleaner
- Alternator
- Battery
- Cooling system (radiator and hydraulic oil cooler) for cleaning
- Engine oil and fuel filters
- Engine oil drain and dipstick
- Starter

Axle hubs provide protection for the axle seals

Easy access to all lift arm grease points

Quick tach pivots have replaceable wear bushings

Rod end of the tilt cylinder has a replaceable bushing

Tailgate has an optional lock for vandal proofing

Tailgate is equipped with doorstop to hold door open while servicing

Tip-up operator cab gives access to certain hydraulic system components

SAFETY EQUIPMENT

- An enclosable operator cab with side screens will be provided as standard equipment. Cab shall meet SAE standards J1040 and J1043 for Rollover Protective Structure and Falling Object Protective Structure. Minimum inside cab width of 33" (838 mm).
- A seat belt and an electric switch operated parking brake must be furnished as standard equipment.
- Front and rear work lights are standard.
- Additional operator protection shall be provided by a seat bar or similar device which restricts lift arm operation when not in use.
- A lift arm support device to assist in servicing the loader will be provided as standard equipment.
- Grab handles to assist the operator in mounting and dismounting the loader will be provided as standard equipment.
- Instructions operational instructions and warnings by decals with pictorials and international symbols plus some messages in four basic languages: English, French, German and Spanish. Additionally, a weather resistant operator handbook written in English will be attached to the loader.
- Loader shall be equipped with an interlock control system which requires that the operator be seated in the loader with the seat bar down in place and the engine running before the hydraulic lift, tilt and the traction drive system can be operated. The auxiliary hydraulics shall deactivate when the operator raises the seat bar. Should the engine not start or a system problem occur with the lift arms raised, the lift arms can be lowered by turning the lift arm by-pass control knob clockwise ½ turn. Then, pull up and hold until the lift arms slowly lower.

TRAINING RESOURCES

- A comprehensive Skid Steer Loader Operator Training Kit shall be available.
- A comprehensive Service Safety Training Kit shall be available.

OPTIONS

- Counterweights to increase Rated Operating Capacity to 1400 lbs. (635 kg) shall be available.

BID SPECIFICATIONS BOBCAT 709 F/D BACKHOE (WITH FOLD-DOWN STABILIZERS)

REQUIRED FEATURES

Dig Depth	The backhoe will have at least 9 ½ feet of dig depth.
	There will be a single bucket mounting position for both straight wall digging and power digging.
	There will be a full 200 degrees of rotation for straight wall digging.
	The backhoe must have fold-down stabilizers. Street pads must be available.
	The boom, dipper arm and bucket will be controlled by two hand levers. The stabilizers will be controlled by two hand levers.
Cylinders	All cylinders must be double acting.
	The swing cylinder will be internally cushioned to reduce boom shock loads.
	There will be a minimum of 6" of ground clearance so the backhoe will be able to clear a standard curb.
	Attached to lift arms by way of a quick-tach system (Bob-Tach TM) which locks the backhoe on with two levers.
	Attached to loader frame by two hook and pin style mounts with locking levers.
	Allows experienced operators to mount and dismount backhoe to and from loader in four minutes or less.
-	Backhoe must have a boom locking pin as standard equipment to lock boom in up position while transporting.
	Buckets may be secured with a bolt-on X-change [™] quick attach mounting or be pin-on.
_	Attachments will be secured with a bolt-on X-change [™] quick attach mounting system.
• •	Must be available for running attachments such as a hydraulic breaker.

BID SPECIFICATIONS BOBCAT 709 F/D BACKHOE

Specific ₂	ATIONS
Dig Depth	
- Maximum	116.6"
- 2' Flat Bottom	
- 8' Flat Bottom	
- Straight Wall	
Loading Height	83.3"
Maximum Reach	
- At Load height	48.6"
- From swing pivot	
Bucket Rotation	
Swing Arc	180 degrees
Leveling Angle	12 degrees
Backhoe Weight (without bucket)	
Dacking Weight (Without Gueige)	
DIMENS	SIONS
Overall Operating Height	143.0"
Transport Height	
Stabilizer Spread (transport)	
Stabilizer Spread (operating)	
Ground Clearance	
Angle of Approach	
Angle of Approach	13.0 dogroos
Hydra	ULICS
System Relief	2300 psi
Digging Force	r r
Bucket	5042 lbs.
Dipper	
	*
LIFT CA	PACITY
Boom: Swing Arc & Over End	
@ Ground	742 lbs.
@ 6 feet	
Dipper: Swing Arc & Over End	
@ 6 feet	833 lbs.
SAFE	ETY

• Operation and safety decals must be displayed on attachment.

BID SPECIFICATIONS BOBCAT LT313 TRENCHER (4' DIG DEPTH)

REQUIRED FEATURES

- Trenching widths must range from 6" to 12".
- Frame width must be no greater than 60".
- Maximum dig depth must be at least 48".
- Trencher must have manual side-shift, 23" minimum, with availability of option to add hydraulic side-shift.
- Auger must have a minimum diameter of 12" and must be removable.
- A grease cylinder must be used for chain adjustment.
- Multiple chain options must be available.
- Carbide tooth kit must be available.
- Trench cleaner must be standard equipment.

SPECIFICATIONS

Operating Weight (without teeth)	
Overall Length	89.3" (2273 mm)
Standard Boom Length	· · · · · · · · · · · · · · · · · · ·
Frame Width	
Side-shift (manual)	23.1" (587 mm)
Auger Diameter	12" (305 mm)
Dig Depth	48" (1219 mm)
Flow Range	15 to 22 gpm (57 to 83 liters/min)
Maximum Operating Pressure	3300 psi
Trenching Widths Available	

MOUNTING

- The trencher will be easily attached by means of hydraulic couplers and Bob-Tach™ mounting frame.
- Trencher will not hinder the standard lift arm actions of the loader.

ATTACHMENT CONTROL

 Activation/deactivation of the trencher will be controlled from the operator seat using fingertip controls without requiring operator to remove his/her hands from the loader steering levers.

SAFETY

- Entry and exit steps must be provided.
- Operation and safety decals must be displayed on the trencher attachment.

BID REQUIREMENTS

4x2 Utility Vehicle

Written around the Bobcat 2100 Utility Vehicle



Bobcat Company © 2004

Effective July 14, 2004

For the most up-to-date Bid Specs go to BobcatNET >>Sales>>Publications>>Bid Specs

UTILITY VEHICLE BID REQUIREMENTS—4 x 2

CAPACITIES

- Cargo Box Capacity = 800 lbs.
- Vehicle rated capacity = 1200 lbs.
- Cargo Box Volume = ½ yard (13.5 ft³) minimum struck capacity
- Cargo Box Dump with hold-open feature for service work and power lift available
- People capacity = 2
- Fuel capacity = 7.0 Gal

ENGINE

- Size = 400 cc
- Power = 13 HP
- Type = Gas powered, air cooled
- Lubrication = Pressurized oil with spin-type filter system
- Air Intake = Cartridge-type paper filter with remote located air intake

DRIVE SYSTEM

- Driveline = Unitized transaxle
- Transmission = Continuously variable transmission (CVT)
- Differential = Full differential with manually activated differential lock which can be engaged or disengaged while in motion
- Differential is covered by a guard for protection from off-road obstacles
- Gear Selection = Forward, neutral, and reverse gears selectable by the operator

SUSPENSION

- Axle suspension must be provided on each axle of the vehicle
- Front suspension to have independent systems for the left and right side (fully independent) and use coil-over shock absorbers
- Rear suspension uses leaf springs and shock absorbers that are capable of supporting the advertised box load.

BRAKES

- Service brakes must be provided on all wheels
- Service brakes to be hydraulically activated, by means of a pedal and hydraulic master cylinder
- Service brakes to be friction-type drum brakes
- Parking brake to be provided and located to the right side of the operator
- Parking brake activation will be independent of the vehicle service brakes
- Activation of the parking brake to be with the operator's right hand in an upward motion
- Parking brake will be mechanically linked to the rear wheels and provide a secondary method
 of stopping the vehicle

UTILITY VEHICLE BID REQUIREMENTS—4 x 2

FRAME

- Frame incorporates twin I-beams for structure independent of the body
- Frame is made of aluminum to prevent rust

OTHER STANDARD EQUIPMENT

- Heavy duty tires with all-terrain tread
- Rack & Pinion Steering
- High-back bucket seats
- Instrumentation includes:
 - o Hour Meter
 - o Fuel Gauge
 - o Low engine oil warning light
- Headlights, with dash mounted switch
- Front brush guard and bumper to protect the headlights and hood
- Hitches Equipped with front and rear receiver hitches. Size of receiver = 2 in. to accept common hitch components, different hitch types, offsets, and accessories

ACCESSORIES

- Power lift kit available to assist lifting a loaded box
- Heavy Duty Mud / Sand tires available
- Operator Protection Various forms of operator protection are available to meet demands of different applications:
 - Sun canopy
 - o Front windshield
 - o Roll-Over Protective Structure (ROPS) approved enclosure, with seat belts and doors.
- Tail lights available
- Beacon available
- Product is available with a flat bed and stake pockets, in place of the cargo box

DIMENSIONS / SPECIFICATIONS

Travel Speed (Forward)	19 MPH	Ground Clearance (under diff guard)	6 in.
Travel Speed (Reverse)	13 MPH	Ground Clearance (under foot platform)	12 in
Dry Weight	1100 lbs.	Turning Diameter (outside tread)	23.3 ft
Dimensions (Length x Width)	125 in. x 54 in.	Turning Radius	11.8 ft
Cargo Box Size (L x W x H)	45 in. x 48 in. x 11 in.	Bed Load Height	31 in.