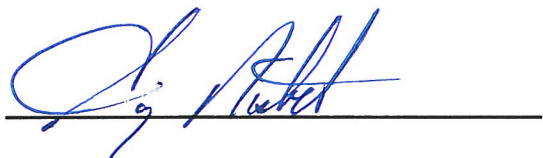


NOTICE

Please note that this bid from Bobcat of Advantage Valley for CRFQ_DOT2200000018 was received at the Purchasing Division office prior to the established bid opening date and time on September 15, 2021, but was not read at the public opening because of technical difficulties.



Guy Nisbet

Assistant Purchasing Director



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at wvOASIS.gov. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at WVPurchasing.gov with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header 1

List View

General Information | Contact | Default Values | Discount | Document Information | Clarification Request

Procurement Folder: 909015

SO Doc Code: CRFQ

Procurement Type: Central Master Agreement

SO Dept: 0803

Vendor ID: 000000200182

SO Doc ID: DOT2200000018

Legal Name: BOBCAT OF ADVANTAGE VALLEY

Published Date: 9/7/21

Alias/DBA:

Close Date: 9/15/21

Total Bid: \$1,235,650.00

Close Time: 13:30

Response Date: 09/08/2021

Status: Closed

Response Time: 11:36

Solicitation Description: ADDENDUM NO_7 Skid Steer

Responded By User ID: boav

Total of Header Attachments: 1

Total of All Attachments: 1

First Name: Rod

Last Name: Brown

Email: AllOasisWV@jefferds.coi

Phone: 304-755-8111



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

State of West Virginia
Solicitation Response

Proc Folder: 909015
Solicitation Description: ADDENDUM NO_7 Skid Steer
Proc Type: Central Master Agreement

Solicitation Closes	Solicitation Response	Version
2021-09-15 13:30	SR 0803 ESR09082100000001682	1

VENDOR
000000200182
BOBCAT OF ADVANTAGE VALLEY

Solicitation Number: CRFQ 0803 DOT2200000018

Total Bid: 1235650 **Response Date:** 2021-09-08 **Response Time:** 11:36:50

Comments:

FOR INFORMATION CONTACT THE BUYER

John W Estep
304-558-2566
john.w.estep@wv.gov

Vendor Signature X **FEIN#** **DATE**

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Skid Steer	10.00000	EA	123565.000000	1235650.00

Comm Code	Manufacturer	Specification	Model #
22101509			

Commodity Line Comments:

Extended Description:

Skid Steer



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

State of West Virginia
 Centralized Request for Quote
 Equipment

Proc Folder: 909015			Reason for Modification: Addendum No. 7 - to move the bid opening to 09/15/2021.
Doc Description: ADDENDUM NO_7 Skid Steer			
Proc Type: Central Master Agreement			
Date Issued	Solicitation Closes	Solicitation No	Version
2021-09-07	2021-09-15 13:30	CRFQ 0803 DOT2200000018	8

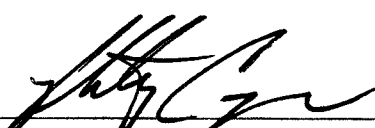
BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Customer Code:000000200182
 Vendor Name :Jeffers Corporation dba Bobcat of Advantage Valey
 Address 614 New Goff Mountain Rd
 Street :
 City Cross Lanes
 State :WV Country :USA Zip :25313
 Principal Contact : Phil Cogar
 Vendor Contact Phone: 304-776-9100 Extension:

FOR INFORMATION CONTACT THE BUYER
 John W Estep
 304-558-2566
 john.w.estep@wv.gov

Vendor Signature X  FEIN# 55-0336065 DATE 9/8/21

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION

ADDENDUM NO_7

1. To move the bid opening from 09/08/2021 to 09/15/2021. Bid opening time remains at 1:30 pm.

No other changes.

INVOICE TO**SHIP TO**

DIVISION OF HIGHWAYS
 EQUIPMENT DIVISION RT 33
 83 BRUSHY ROAD
 CROSSING, PO BOX 610
 BUCKHANNON WV
 US

DIVISION OF HIGHWAYS
 EQUIPMENT DIVISION
 83 BRUSHY FORK RD
 CROSSING
 BUCKHANNON WV
 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Skid Steer	10.00000	EA	\$123,565.00	\$1,235,650.00

Comm Code**Manufacturer****Specification****Model #**

22101509

Bobcat

T870

Extended Description:

Skid Steer

SCHEDULE OF EVENTS

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
1	Prebid Meeting 10:00am in Buckhannon	2021-08-10
2	Tech Questions due by 10:00am	2021-08-16

SOLICITATION NUMBER: CRFQ DOT2200000018

Addendum Number: 7

The purpose of this addendum is to modify the solicitation identified as CRFP DOT2200000001 ("Solicitation") to reflect the change(s) identified and described below.

Applicable Addendum Category:

- [X] Modify bid opening date and time
- [] Modify specifications of product or service being sought
- [] Attachment of vendor questions and responses
- [] Attachment of pre-bid sign-in sheet
- [] Correction of error
- [] Other

Description of Modification to Solicitation:

1. The bid opening has moved from 09/08/2021 to 09/15/2021. The bid opening time remains at 1:30 pm.

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFO DOT2200000018

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input checked="" type="checkbox"/> Addendum No. 6 |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input checked="" type="checkbox"/> Addendum No. 7 |
| <input checked="" type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input checked="" type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input checked="" type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Jefferds Corporation dba
Bobcat of Advantage Valley

Company
[Signature]

Authorized Signature
9/8/21

Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.

REQUEST FOR QUOTATION
John Deere 333G or Caterpillar 299D3 XE Skid Steer or Equal

1. **PURPOSE AND SCOPE:** The West Virginia Purchasing Division is soliciting bids on behalf of WVDOH Equipment Division to establish an open-end contract to purchase John Deere 333G or Caterpillar 299D3 XE Skid Steer or equal.

2. **DEFINITIONS:** The terms listed below shall have the meanings assigned to them below. Additional definitions can be found in section 2 of the General Terms and Conditions.

2.1 **“Contract Item”** means the list of items identified in Section 3.1 below and on the pricing pages.

2.2 **“Pricing Page”** means the pages, contained in WV OASIS or attached as Exhibit A, upon which Vendor should list its proposed price for the Contract Items.

2.3 **“Solicitation”** means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.

2.4 **“PSI”** means an abbreviation Pounds per square inch.

2.5 **“Total Bid Price”** means the sum of the bid total column.

2.6 **“ISO”** means International Organization for Standardization.

3. **GENERAL REQUIREMENTS:**

3.1 **Mandatory Contract Item Requirements:** Contract Item must meet or exceed the mandatory requirements listed below.

3.1.1 GENERAL

3.1.1.1 Must be new and a current production model with a minimum one year production time and a minimum of 25 units sold.

3.1.1.2 Prototypes and demonstrator models will not be accepted.

3.1.1.3 Gross horsepower must be 100 minimum.

3.1.1.4 Operating weight must be a minimum 12000.

REQUEST FOR QUOTATION
John Deere 333G or Caterpillar 299D3 XE Skid Steer or Equal

- 3.1.1.5 Must be a two-speed transmission and be capable of a minimum 7 miles per hour travel speed.
- 3.1.1.6 Fuel capacity must be a minimum of 30 gallons.
- 3.1.1.7 Hydraulic system must be a minimum of 14 gallons.
- 3.1.1.8 Diesel exhaust fluid tank must be a minimum of 5 gallons if required for the machine.
- 3.1.1.9 Engine must meet tier 4 final emissions regulations.
- 3.1.1.10 Must have a variable speed cooling fan with reversing functionality.
- 3.1.1.11 Electrical system must be 12 volt with a minimum 925 cold crank amp battery and minimum 80 amp alternator.
- 3.1.1.12 Must have a 5 micron primary fuel filter and water separator.
- 3.1.1.13 Must have a backup alarm.
- 3.1.1.14 Must be telematics ready.

3.1.2 Capacity

- 3.1.2.1 Tipping load- foundry minimum 10000 pounds.
- 3.1.2.2 Bucket breakout must be rated for a minimum of 9000 pounds with construction bucket .
- 3.1.2.3 Maximum ground pressure 6 pound per square inch.
- 3.1.2.4 Tipping load at 35% 3500 pounds minimum.

3.1.3 Frame and Bucket

- 3.1.3.1 Height to top of cab must be a minimum of 83.6 inches
- 3.1.3.2 Minimum width with no bucket must be 77 inches.
- 3.1.3.3 Bucket must be self-leveling on both raise and lower.

REQUEST FOR QUOTATION
John Deere 333G or Caterpillar 299D3 XE Skid Steer or Equal

- 3.1.3.4 Length with bucket on the ground 145 inches minimum.
- 3.1.3.5 Minimum ground clearance shall be 9 inches.
- 3.1.3.6 Bucket breakout force with foundry bucket must be a minimum of 13000 pounds.
- 3.1.3.7 Construction bucket must be heaviest duty available 84 inches wide and have a replaceable bolt on straight cutting edge.
- 3.1.3.8 Must be capable of reaching 10 feet 8 inches height to hinge pin.
- 3.1.3.9 Must be a quick attach style for bucket and attachment.
- 3.1.3.10 Lifts arms must be cushioned slowing the downward motion just before the arms reach their stops.
- 3.1.3.11 Cylinder connection points must have replaceable bushings.

3.1.4 Hydraulic

- 3.1.4.1 Hydraulic pressure must be a minimum of 3450 PSI
- 3.1.4.2 Hydraulic flow must be a minimum 41 gallons per minute.
- 3.1.4.3 Hydraulic power must have a minimum rating of 80 horse power.
- 3.1.4.4 Must have quick coupler hydraulic fittings attachable under pressure for running attachments.

3.1.5 Cab

- 3.1.5.1 Cab must be pressurized, heat and air conditioned.
- 3.1.5.2 Seat must be cloth high backed heated and air suspension, recline and lumbar support.
- 3.1.5.3 Machine information and diagnostics must be shown on an LCD display in the cab.

REQUEST FOR QUOTATION
John Deere 333G or Caterpillar 299D3 XE Skid Steer or Equal

3.1.5.4 Must have a factory installed back up camera.

3.1.5.5 Must have top, rear and side windows.

3.1.5.6 Must have a horn

3.1.5.7 Decibel rating inside cab must be a maximum of 83.

3.1.5.8 Must have a rotating beacon light factory installed.

3.1.5.9 Must have two rear tail-lights

3.1.5.10 Must have two rear led work lights, two front led work lights and two side facing led work lights.

3.1.5.11 Must have hazard warning lights.

3.1.5.12 Must have an across the shoulder and lap seat belt.

3.1.5.13 Must have manufacturers strongest door offered for severe-duty and have a windshield wiper.

3.1.5.14 Must have AM/FM radio with auxiliary input and Bluetooth manufacturer installed.

3.1.5.15 Rear grille must be heaviest duty available.

3.1.5.16 Joysticks must be switchable from ISO to H pattern controls along with 3 pin and 14 pin attachment control harness installed.

3.1.6 Tracks and Drive

3.1.6.1 Tracks must be rubber with steel inserts and a zig zag lug patter.

3.1.6.2 Must be a minimum of 17.5 inches wide.

3.1.6.3 Must have planetary reduction final drive

3.1.6.4 Must wet-disc park brake

3.1.6.5 Must have wet-disc brakes.

REQUEST FOR QUOTATION
John Deere 333G or Caterpillar 299D3 XE Skid Steer or Equal

3.1.6.6 Must have five triple flange smooth ride all steel rollers per side.

3.1.7 Attachments

3.1.7.1 Attachments must include all mounting hardware, wiring harness, standard water spray system with water tank for dust control and any needed items to make the attachment complete and operational. Units must have a hydraulically driven planetary drive and controlled from inside the cab.

3.1.7.2 John Deere Cold Planer or equal

3.1.7.2.1 Model numbers and cut size

A. CP18E. 18 inch cut

B. CP24E. 24 inch cut

C. CP30E. 30 inch cut

3.1.7.3 John Deere Angle broom or equal

3.1.7.3.1 Model number and size

A. BA96C 96 inch brush

3.1.7.4 John Deere Pick-up broom

3.1.7.4.1 Model and size

A. BR72C. 72 inch

3.1.8 Warranty:

3.1.8.1 The unit must be accompanied by manufacturer's standard 100 percent parts and labor.

3.1.9 Operating and Service Manuals and Parts Lists:

3.1.9.1 An operator's manual must be included with each unit upon delivery. A "line sheet" (if applicable) and the "Equipment Preventative Maintenance Questionnaire", (Exhibit "B") must be with pilot unit upon delivery, Attn: JD Haller. Failure to do so will delay payment.

REQUEST FOR QUOTATION
John Deere 333G or Caterpillar 299D3 XE Skid Steer or Equal

3.1.10 Training:

3.1.10.1 Manufacturers and/or dealers will be required to stage a thorough seminar about Preventative Maintenance, Operator, and Mechanic training. To keep operators and mechanics updated, the successful vendor shall work with the WVDOH training center in conducting training sessions covering the operation, maintenance, troubleshooting with unit being purchased.

3.1.11 Preventative Maintenance & Operator Procedures:

3.1.11.1 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 Preventative 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 as required in conducting the training.

4. CONTRACT AWARD:

4.1 Contract Award: The Contract is intended to provide Agencies with a purchase price for the Contract Items. The Contract shall be awarded to the Vendor that provides the Contract Items meeting the required specifications for the lowest overall total cost as shown on the Pricing Pages.

4.2 Pricing Page: Vendor should complete the Pricing Page (Exhibit A) by completing the Year, Make, Model, and inserting quoted unit price. Vendor should complete the Pricing Page in full as failure to complete the Pricing Page in its entirety may result in Vendor's bid being disqualified.

The Pricing Page contains a list of the Contract Items and purchase volume. The purchase volume for each item represents the approximate volume of anticipated purchases only. No future use of the Contract or any individual item is guaranteed or implied.

Vendor should electronically enter the information into the Pricing Page through WV OASIS, if available, or as an electronic document. In most

REQUEST FOR QUOTATION
John Deere 333G or Caterpillar 299D3 XE Skid Steer or Equal

cases, the Vendor can request an electronic copy of the Pricing Pages for bid purposes by sending an email request to the following address:
John.w.estep@wv.gov.

5. PAYMENT:

5.1 Payment: Vendor shall accept payment in accordance with the payment procedures of the State of West Virginia.

6. DELIVERY AND RETURN:

6.1 Delivery Time: A completed pilot model for inspection must be provided within 30 working day(s) after receipt of the pilot model order, by the successful vendor. Vendor shall deliver standard orders within 90 working days after orders are received. Working day is defined as any week day, Monday thru Friday, excluding Federal and State Holidays. Vendor shall ship all orders until a minimum delivery quantity is met.

6.2 Late Delivery: The Agency placing the order under this Contract must be notified in writing if orders will be delayed for any reason. Any delay in delivery that could cause harm to an Agency will be grounds for cancellation of the delayed order, and/or obtaining the items ordered from a third party.

Any Agency seeking to obtain items from a third party under this provision must first obtain approval of the Purchasing Division.

6.3 Delivery Payment/Risk of Loss: Standard order delivery shall be F.O.B. Destination to the Agency's location. Vendor shall include the cost of standard order delivery charges in its bid pricing/discount and is not permitted to charge the Agency separately for such delivery. The Agency will pay delivery charges on all emergency orders provided that Vendor invoices those delivery costs as a separate charge with the original freight bill attached to the invoice.

6.4 Condition of Unit(s) Upon Delivery: All units must arrive at the prescribed delivery point having been completely pre-serviced with oil, lubricants, and coolant. All prescribed precautions pertaining to first operations and break-in of the unit are to be posted conspicuously on the unit for ready observance by the operator.

6.5 Delivery Point: Delivery point of the completed representative unit will be the WVDOH, Equipment Division, Rt. 33 and Brushy Fork Road, Buckhannon, WV 26201.

REQUEST FOR QUOTATION
John Deere 333G or Caterpillar 299D3 XE Skid Steer or Equal

7. VENDOR DEFAULT:

7.1 The following shall be considered a vendor default under this Contract.

7.1.1 Failure to provide Contract Items in accordance with the requirements contained herein.

7.1.2 Failure to comply with other specifications and requirements contained herein.

7.1.3 Failure to comply with any laws, rules, and ordinances applicable to the Contract Services provided under this Contract.

7.1.4 Failure to remedy deficient performance upon request.

7.2 The following remedies shall be available to Agency upon default.

7.2.1 Immediate cancellation of the Contract.

7.2.2 Immediate cancellation of one or more release orders issued under this Contract.

7.2.3 Any other remedies available in law or equity.

8. MISCELLANEOUS:

8.1 No Substitutions: Vendor shall supply only Contract Items submitted in Response to the Solicitation unless a contract modification is approved in accordance with the provisions contained in this Contract.

REQUEST FOR QUOTATION
John Deere 333G or Caterpillar 299D3 XE Skid Steer or Equal

- 8.2 Reports:** Vendor shall provide quarterly reports and annual summaries to the Agency showing the Agency's items purchased, quantities of items purchased, and total dollar value of the items purchased. Vendor shall also provide reports, upon request, showing the items purchased during the term of this Contract, the quantity purchased for each of those items, and the total value of purchases for each of those items. Failure to supply such reports may be grounds for cancellation of this Contract.
- 8.3 Contract Manager:** During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

Contract Manager: Phil Cojar
Telephone Number: 304-776-9100
Fax Number: 304-776-0285
Email Address: philcojar@jcfends.com

VENDOR: Jefferds Corporation, DBA Bobcat of Advantage Valley Class 351

Item No.	Description:	Model & Part Number Being Bid	Estimated Unit Quantity	Unit Price	Item Total Cost
1	Bobcat T870	T870 Part# M0293	10	\$70,123.00	\$701,230.00
2	Bobcat 18" Planer	18" Planer Part # M7018	10	\$11,775	\$117,750.00
3	Bobcat 24" Planer	24" Planer Part # M7017	10	\$14,514	\$145,140.00
4	Bobcat 40" Planer	40" Planer Part # 6726632	10	\$19,376	\$193,760.00
5	Bobcat 84" Angle Broom	84" Broom Part #7337715	10	\$ 4,522.00	\$45,220.00
6	Bobcat 72" sweeper bucket	72" sweeper Part# 7405171	10	\$ 3,255.00	\$32,550.00
Total Bid Cost					\$1,235,650.00

Bid Will Be Awarded To The Lowest Overall Bid Total For All Items

Vendor Information

Company Name: Jefferds Corporation, DBA Bobcat of Advantage Valley					
Contact Manager: Phil Cogar					
Address: 614 New Goff Mountain Road					
Phone: 304-776-9100					
Fax: 304-776-0285					
E-mail: Philcogar@jefferds.com					
Signature:					



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

State of West Virginia
 Centralized Request for Quote
 Equipment

Proc Folder: 909015			Reason for Modification:
Doc Description: Skid Steer			
Proc Type: Central Master Agreement			
Date Issued	Solicitation Closes	Solicitation No	Version
2021-07-19	2021-08-24 13:30	CRFQ 0803 DOT2200000018	1

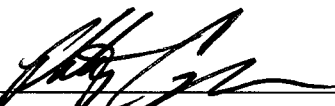
BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Customer Code: 000000200182
 Vendor Name: Jefferts Corporation dba Bobcat of Advantage Valley
 Address: 614 New Gosh Mountain Rd.
 Street :
 City : Cross Lanes
 State : West Virginia Country : US Zip : 25313
 Principal Contact : Phil Cogar
 Vendor Contact Phone: 304-776-9100 Extension:

FOR INFORMATION CONTACT THE BUYER
 John W Estep
 304-558-2566
 john.w.estep@wv.gov

Vendor Signature X  FEIN# 55-0336065 DATE 9/8/21

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION

REQUEST FOR QUOTATION:

The West Virginia Purchasing Division is soliciting bids on behalf of WVDOH Equipment Division to establish an open-end contract to purchase John Deere 333G or Caterpillar 299D3 XE Skid Steer or equal. Per the Bid Requirements, Specifications, Terms and Conditions attached to this Solicitation.

INVOICE TO	SHIP TO
DIVISION OF HIGHWAYS EQUIPMENT DIVISION RT 33 83 BRUSHY ROAD CROSSING, PO BOX 610 BUCKHANNON WV US	DIVISION OF HIGHWAYS EQUIPMENT DIVISION 83 BRUSHY FORK RD CROSSING BUCKHANNON WV US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Skid Steer	10.00000	EA	# 123,565.00	# 1,235,650.00

Comm Code	Manufacturer	Specification	Model #
22101509	Bobcat		T870

Extended Description:

Skid Steer

SCHEDULE OF EVENTS

Line	Event	Event Date
1	Prebid Meeting 10:00am in Buckhannon	2021-08-10
2	Tech Questions due by 10:00am	2021-08-16

	Document Phase	Document Description	Page
DOT220000018	Final	Skid Steer	3

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

West Virginia Ethics Commission



Disclosure of Interested Parties to Contracts

Pursuant to *W. Va. Code* § 6D-1-2, a state agency may not enter into a contract, or a series of related contracts, that has/have an actual or estimated value of \$1 million or more until the business entity submits to the contracting state agency a Disclosure of Interested Parties to the applicable contract. In addition, the business entity awarded a contract is obligated to submit a supplemental Disclosure of Interested Parties reflecting any new or differing interested parties to the contract within 30 days following the completion or termination of the applicable contract.

For purposes of complying with these requirements, the following definitions apply:

"Business entity" means any entity recognized by law through which business is conducted, including a sole proprietorship, partnership or corporation, but does not include publicly traded companies listed on a national or international stock exchange.

"Interested party" or *"Interested parties"* means:

- (1) A business entity performing work or service pursuant to, or in furtherance of, the applicable contract, including specifically sub-contractors;
- (2) the person(s) who have an ownership interest equal to or greater than 25% in the business entity performing work or service pursuant to, or in furtherance of, the applicable contract. (This subdivision does not apply to a publicly traded company); and
- (3) the person or business entity, if any, that served as a compensated broker or intermediary to actively facilitate the applicable contract or negotiated the terms of the applicable contract with the state agency. (This subdivision does not apply to persons or business entities performing legal services related to the negotiation or drafting of the applicable contract.)

"State agency" means a board, commission, office, department or other agency in the executive, judicial or legislative branch of state government, including publicly funded institutions of higher education: Provided, that for purposes of *W. Va. Code* § 6D-1-2, the West Virginia Investment Management Board shall not be deemed a state agency nor subject to the requirements of that provision.

The contracting business entity must complete this form and submit it to the contracting state agency prior to contract award and to complete another form within 30 days of contract completion or termination.

This form was created by the State of West Virginia Ethics Commission, 210 Brooks Street, Suite 300, Charleston, WV 25301-1804. Telephone: (304)558-0664; fax: (304)558-2169; e-mail: ; website:

West Virginia Ethics Commission
Disclosure of Interested Parties to Contracts

(Required by W. Va. Code § 6D-1-2)

Name of Contracting Business Entity: Jeffers Corporation Address: 614 New Golf Mountain Rd
Cross Lanes, WV 25313

Name of Authorized Agent: Phil Cogar Address: 614 New Golf Mtn Rd

Contract Number: _____ Contract Description: skid steer loaders

Governmental agency awarding contract: Division of Highways

Check here if this is a Supplemental Disclosure

List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below (attach additional pages if necessary):

1. Subcontractors or other entities performing work or service under the Contract

Check here if none, otherwise list entity/individual names below.

2. Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)

Check here if none, otherwise list entity/individual names below.

Joseph C. Jeffers III

3. Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)

Check here if none, otherwise list entity/individual names below.

Signature: [Handwritten Signature]

Date Signed: 9/8/21

Notary Verification

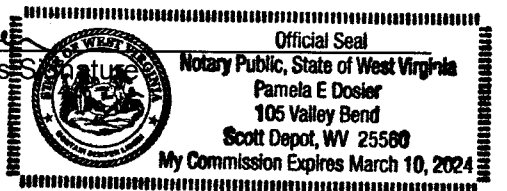
State of West Virginia, County of Putnam:

I, Phil Cogar, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this 8th day of September, 2021.

[Handwritten Signature]

Notary Public's Signature



To be completed by State Agency:

Date Received by State Agency: _____

Date submitted to Ethics Commission: _____

Governmental agency submitting Disclosure: _____

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

ALL CONTRACTS: Under W. Va. Code §5A-3-10a, 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: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. 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.

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.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"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 exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Jefferts Corporation dba Bobcat of Advantage Valley

Authorized Signature: [Signature] Date: 9/8/21

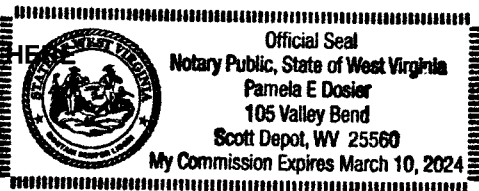
State of West Virginia

County of Putnam, to-wit:

Taken, subscribed, and sworn to before me this 8th day of September, 2021.

My Commission expires March 10, 2024.

AFFIX SEAL HERE



NOTARY PUBLIC [Signature]

INSTRUCTIONS TO VENDORS SUBMITTING BIDS

1. REVIEW DOCUMENTS THOROUGHLY: The attached documents contain a solicitation for bids. Please read these instructions and all documents attached in their entirety. These instructions provide critical information about requirements that if overlooked could lead to disqualification of a Vendor's bid. All bids must be submitted in accordance with the provisions contained in these instructions and the Solicitation. Failure to do so may result in disqualification of Vendor's bid.

2. MANDATORY TERMS: The Solicitation may contain mandatory provisions identified by the use of the words "must," "will," and "shall." Failure to comply with a mandatory term in the Solicitation will result in bid disqualification.

3. PREBID MEETING: The item identified below shall apply to this Solicitation.

A pre-bid meeting will not be held prior to bid opening

A **MANDATORY PRE-BID** meeting will be held at the following place and time:

DOH
Equipment Division
83 Brushy Fork Rd Crossing
Buckhannon, WV 26201
August 10, 2021 @ 10:00am

All Vendors submitting a bid must attend the mandatory pre-bid meeting. Failure to attend the mandatory pre-bid meeting shall result in disqualification of the Vendor's bid. No one individual is permitted to represent more than one vendor at the pre-bid meeting. Any individual that does attempt to represent two or more vendors will be required to select one vendor to which the individual's attendance will be attributed. The vendors not selected will be deemed to have not attended the pre-bid meeting unless another individual attended on their behalf.

An attendance sheet provided at the pre-bid meeting shall serve as the official document verifying attendance. Any person attending the pre-bid meeting on behalf of a Vendor must list on the attendance sheet his or her name and the name of the Vendor he or she is representing.

Additionally, the person attending the pre-bid meeting should include the Vendor's E-Mail address, phone number, and Fax number on the attendance sheet. It is the Vendor's responsibility to locate the attendance sheet and provide the required information. Failure to complete the attendance sheet as required may result in disqualification of Vendor's bid.

All Vendors should arrive prior to the starting time for the pre-bid. Vendors who arrive after the starting time but prior to the end of the pre-bid will be permitted to sign in but are charged with knowing all matters discussed at the pre-bid.

Questions submitted at least five business days prior to a scheduled pre-bid will be discussed at the pre-bid meeting if possible. Any discussions or answers to questions at the pre-bid meeting
Revised 07/01/2021

are preliminary in nature and are non-binding. Official and binding answers to questions will be published in a written addendum to the Solicitation prior to bid opening.

4. VENDOR QUESTION DEADLINE: Vendors may submit questions relating to this Solicitation to the Purchasing Division. Questions must be submitted in writing. All questions must be submitted on or before the date listed below and to the address listed below to be considered. A written response will be published in a Solicitation addendum if a response is possible and appropriate. Non-written discussions, conversations, or questions and answers regarding this Solicitation are preliminary in nature and are nonbinding.

Submitted e-mails should have solicitation number in the subject line.

Question Submission Deadline: August 16, 2021 by 10:00am

Submit Questions to: John Estep
2019 Washington Street, East
Charleston, WV 25305
Fax: (304) 558-4115 (Vendors should not use this fax number for bid submission)
Email: john.w.estep@wv.gov

5. VERBAL COMMUNICATION: Any verbal communication between the Vendor and any State personnel is not binding, including verbal communication at the mandatory pre-bid conference. Only information issued in writing and added to the Solicitation by an official written addendum by the Purchasing Division is binding.

6. BID SUBMISSION: All bids must be submitted electronically through wvOASIS or signed and delivered by the Vendor to the Purchasing Division at the address listed below on or before the date and time of the bid opening. Any bid received by the Purchasing Division staff is considered to be in the possession of the Purchasing Division and will not be returned for any reason. The Purchasing Division will not accept bids, modification of bids, or addendum acknowledgment forms via e-mail. Acceptable delivery methods include electronic submission via wvOASIS, hand delivery, delivery by courier, or facsimile.

The bid delivery address is:
Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

A bid that is not submitted electronically through wvOASIS should contain the information listed below on the face of the envelope or the bid may be rejected by the Purchasing Division.:

SEALED BID:	Skid Steer
BUYER:	John Estep
SOLICITATION NO.:	CRFQ 0803 DOT2200000018
BID OPENING DATE:	August 24, 2021
BID OPENING TIME:	1:30 PM
FAX NUMBER:	304-558-3970

Revised 07/01/2021

The Purchasing Division may prohibit the submission of bids electronically through wvOASIS at its sole discretion. Such a prohibition will be contained and communicated in the wvOASIS system resulting in the Vendor's inability to submit bids through wvOASIS. Submission of a response to a Request for Proposal is not permitted in wvOASIS.

For Request For Proposal ("RFP") Responses Only: In the event that Vendor is responding to a request for proposal, the Vendor shall submit one original technical and one original cost proposal prior to the bid opening date and time identified in Section 7 below, plus _____ convenience copies of each to the Purchasing Division at the address shown above. Additionally, the Vendor should clearly identify and segregate the cost proposal from the technical proposal in a separately sealed envelope.

7. BID OPENING: Bids submitted in response to this Solicitation will be opened at the location identified below on the date and time listed below. Delivery of a bid after the bid opening date and time will result in bid disqualification. For purposes of this Solicitation, a bid is considered delivered when confirmation of delivery is provided by wvOASIS (in the case of electronic submission) or when the bid is time stamped by the official Purchasing Division time clock (in the case of hand delivery).

Bid Opening Date and Time: August 24, 2021 @ 1:30 PM

Bid Opening Location: Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

8. ADDENDUM ACKNOWLEDGEMENT: Changes or revisions to this Solicitation will be made by an official written addendum issued by the Purchasing Division. Vendor should acknowledge receipt of all addenda issued with this Solicitation by completing an Addendum Acknowledgment Form, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

9. BID FORMATTING: Vendor should type or electronically enter the information onto its bid to prevent errors in the evaluation. Failure to type or electronically enter the information may result in bid disqualification.

10. ALTERNATE MODEL OR BRAND: Unless the box below is checked, any model, brand, or specification listed in this Solicitation establishes the acceptable level of quality only and is not intended to reflect a preference for, or in any way favor, a particular brand or vendor. Vendors may bid alternates to a listed model or brand provided that the alternate is at least equal to the model or brand and complies with the required specifications. The equality of any alternate being bid shall be determined by the State at its sole discretion. Any Vendor bidding an alternate model or brand should clearly identify the alternate items in its bid and should include manufacturer's specifications, industry literature, and/or any other relevant documentation demonstrating the equality of the alternate items. Failure to provide information for alternate items may be grounds for rejection of a Vendor's bid.

This Solicitation is based upon a standardized commodity established under W. Va. Code § 5A-3-61. Vendors are expected to bid the standardized commodity identified. Failure to bid the standardized commodity will result in your firm's bid being rejected.

11. EXCEPTIONS AND CLARIFICATIONS: The Solicitation contains the specifications that shall form the basis of a contractual agreement. Vendor shall clearly mark any exceptions, clarifications, or other proposed modifications in its bid. Exceptions to, clarifications of, or modifications of a requirement or term and condition of the Solicitation may result in bid disqualification.

12. COMMUNICATION LIMITATIONS: In accordance with West Virginia Code of State Rules §148-1-6.6, communication with the State of West Virginia or any of its employees regarding this Solicitation during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited without prior Purchasing Division approval. Purchasing Division approval for such communication is implied for all agency delegated and exempt purchases.

13. REGISTRATION: Prior to Contract award, the apparent successful Vendor must be properly registered with the West Virginia Purchasing Division and must have paid the \$125 fee, if applicable.

14. UNIT PRICE: Unit prices shall prevail in cases of a discrepancy in the Vendor's bid.

15. PREFERENCE: Vendor Preference may be requested in purchases of motor vehicles or construction and maintenance equipment and machinery used in highway and other infrastructure projects. Any request for preference must be submitted in writing with the bid, must specifically identify the preference requested with reference to the applicable subsection of West Virginia Code § 5A-3-37, and must include with the bid any information necessary to evaluate and confirm the applicability of the requested preference. A request form to help facilitate the request can be found at:

<http://www.state.wv.us/admin/purchase/vrc/Venpref.pdf>.

15A. RECIPROCAL PREFERENCE: The State of West Virginia applies a reciprocal preference to all solicitations for commodities and printing in accordance with W. Va. Code § 5A-3-37(b). In effect, non-resident vendors receiving a preference in their home states, will see that same preference granted to West Virginia resident vendors bidding against them in West Virginia. Any request for reciprocal preference must include with the bid any information necessary to evaluate and confirm the applicability of the preference. A request form to help facilitate the request can be found at: <http://www.state.wv.us/admin/purchase/vrc/Venpref.pdf>.

16. SMALL, WOMEN-OWNED, OR MINORITY-OWNED BUSINESSES: For any solicitations publicly advertised for bid, in accordance with West Virginia Code §5A-3-37(a)(7) and W. Va. CSR § 148-22-9, any non-resident vendor certified as a small, women-owned, or minority-owned business under W. Va. CSR § 148-22-9 shall be provided the same preference made available to any resident vendor. Any non-resident small, women-owned, or minority-owned business must identify itself as such in writing, must submit that writing to the Purchasing Division with its bid, and must be properly certified under W. Va. CSR § 148-22-9 prior to contract award to receive the preferences made available to resident vendors. Preference

for a non-resident small, women-owned, or minority owned business shall be applied in accordance with W. Va. CSR § 148-22-9.

17. WAIVER OF MINOR IRREGULARITIES: The Director reserves the right to waive minor irregularities in bids or specifications in accordance with West Virginia Code of State Rules § 148-1-4.6.

18. ELECTRONIC FILE ACCESS RESTRICTIONS: Vendor must ensure that its submission in wvOASIS can be accessed and viewed by the Purchasing Division staff immediately upon bid opening. The Purchasing Division will consider any file that cannot be immediately accessed and viewed at the time of the bid opening (such as, encrypted files, password protected files, or incompatible files) to be blank or incomplete as context requires, and are therefore unacceptable. A vendor will not be permitted to unencrypt files, remove password protections, or resubmit documents after bid opening to make a file viewable if those documents are required with the bid. A Vendor may be required to provide document passwords or remove access restrictions to allow the Purchasing Division to print or electronically save documents provided that those documents are viewable by the Purchasing Division prior to obtaining the password or removing the access restriction.

19. NON-RESPONSIBLE: The Purchasing Division Director reserves the right to reject the bid of any vendor as Non-Responsible in accordance with W. Va. Code of State Rules § 148-1-5.3, when the Director determines that the vendor submitting the bid does not have the capability to fully perform or lacks the integrity and reliability to assure good-faith performance.”

20. ACCEPTANCE/REJECTION: The State may accept or reject any bid in whole, or in part in accordance with W. Va. Code of State Rules § 148-1-4.5. and § 148-1-6.4.b.”

21. YOUR SUBMISSION IS A PUBLIC DOCUMENT: Vendor’s entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled “confidential,” “proprietary,” “trade secret,” “private,” or labeled with any other claim against public disclosure of the documents, to include any “trade secrets” as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

22. INTERESTED PARTY DISCLOSURE: West Virginia Code § 6D-1-2 requires that the vendor submit to the Purchasing Division a disclosure of interested parties to the contract for all contracts with an actual or estimated value of at least \$1 million. That disclosure must occur on the form prescribed and approved by the WV Ethics Commission prior to contract award.

A copy of that form is included with this solicitation or can be obtained from the WV Ethics Commission. This requirement does not apply to publicly traded companies listed on a national or international stock exchange. A more detailed definition of interested parties can be obtained from the form referenced above.

23. WITH THE BID REQUIREMENTS: In instances where these specifications require documentation or other information with the bid, and a vendor fails to provide it with the bid, the Director of the Purchasing Division reserves the right to request those items after bid opening and prior to contract award pursuant to the authority to waive minor irregularities in bids or specifications under W. Va. CSR § 148-1-4.6. This authority does not apply to instances where state law mandates receipt with the bid.

24. E-MAIL NOTIFICATION OF AWARD: The Purchasing Division will attempt to provide bidders with e-mail notification of contract award when a solicitation that the bidder participated in has been awarded. For notification purposes, bidders must provide the Purchasing Division with a valid email address in the bid response. Bidders may also monitor wvOASIS or the Purchasing Division's website to determine when a contract has been awarded.

COMPACT TRACK LOADER

Vertical Lift Arm Path

3650 lbs.
RATED OPERATING CAPACITY

EFFECTIVE DECEMBER 10, 2020

For the most up-to-date Bid Specs go to BobcatNET >>Compact Track Loaders>>T870>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 866-473-7050 option 3.

**SPECIFICATION(S) ARE BASED ON ENGINEERING CALCULATIONS AND ARE NOT ACTUAL MEASUREMENTS. SPECIFICATION(S) ARE PROVIDED FOR COMPARISON PURPOSES ONLY AND ARE SUBJECT TO CHANGE WITHOUT NOTICE. SPECIFICATION(S) FOR YOUR INDIVIDUAL BOBCAT EQUIPMENT WILL VARY BASED ON NORMAL VARIATIONS IN DESIGN, MANUFACTURING, OPERATING CONDITIONS, AND OTHER FACTORS.*

COMPACT TRACK LOADER

Vertical Lift Arm Path

3650 lbs.

RATED OPERATING CAPACITY

DIMENSIONAL SPECIFICATIONS

Angle of Departure	33°
Dump Angle @ Maximum Height.....	40°
Dump Height with Standard Bucket	114.8" (2916 mm)
Reach @ Maximum Height.....	37.5" (953 mm)
Ground Clearance	11.0" (279 mm)
Height to Hinge Pin.....	145.4" (3693 mm)
Cab Height	84.8" (2154 mm)
Length without Attachment	119.3" (3030 mm)
Length with Standard Bucket.....	154.0" (3912 mm)
Overall Operating Height	184.8" (4694 mm)
Carry Position.....	9.8" (249 mm)
Rollback Angle @ Carry Position.....	31°
Turning Radius with Standard Bucket.....	99" (2514 mm)
Length of Track on Ground.....	70.2" (1783 mm)
Overall Width 17.7" Tracks	82.8" (2103 mm)
Bucket Width	84.8" (2153 mm)

PERFORMANCE

Rated Operating Capacity	3650 lbs. (1656 kg)
With 200 lb. Weight Kit	3750 lbs. (1701 kg)
With 300 lb. Weight Kit	3800 lbs. (1724 kg)
With 400 lb. Weight Kit	3850 lbs. (1746 kg)
Tipping Load (per ISO 14397-1)	10871 lbs. (4931 kg)
Operating Weight (SAE J732)	12925 lbs. (5863 kg)
Travel Speed – 2 Speed	
Low Range	5.5 mph (8.8 km/hr)
High Range	9.3 mph (15.0 km/hr)
Lift Breakout Force	7780 lbs. (3520 kg)
Tilt Breakout Force	8733 lbs. (3961 kg)
Push Force	10,286 lbs. (4666 kg)
Ground Pressure with 17.7" Track	4.8 psi (0.033 MPa)

*Rated Operating Capacity (ROC) @ 35% of Tipping Load complies with ISO 14397-1 and SAE J 818 for crawler loaders

ENGINE/ELECTRICAL

- Loader shall have a 4 cylinder, liquid-cooled diesel; 100 hp (74.6 kW) at 2400 governed RPM.
- Loader engine shall have a minimum torque of 277.0 lbf-ft (375.6 N-m) at 1600 RPM.
- Engine displacement shall be no more than 208 in³ (3.4L).
- Loader engine shall be turbo charged.
- Loader shall be equipped with a hydraulically driven, variable speed cooling fan.
- Loader shall have a reversing cooling fan option. Reversing fan shall include three modes:
 - Off
 - Manual Operation: Operator can momentarily reverse fan direction as desired.
 - Automatic Operation: Loader will reverse the fan automatically based on fluid temperatures.
- Engine must meet EPA Tier 4 Emission compliance without the aid of a diesel particulate filter.
- Dual element air cleaner and air intake heater cold weather assist shall be provided as standard equipment.
 - Cold weather assist shall be automatically activated.
 - Air cleaner shall be a dry replaceable cartridge with safety element and pre-cleaner.
 - Air intake pre-cleaner shall be included in the air cleaner housing.
 - An additional system to increase pre-cleaner efficiency shall be standard.
- Fuel recirculation system that can bypass fuel cooler to aid in cold weather operation shall be standard equipment.
- Loader shall limit engine RPM until specified engine operating temperature is attained to protect the engine from premature wear due to cold temperatures.
- Engine coolant shall include propylene glycol anti-freeze with freeze protection to -34°F (-37°C).
- Loader shall be equipped with a Diesel Oxidation Catalyst (DOC).
- Engine shall utilize an Engine Gas Recirculation (EGR) system.
- Loader shall be equipped with a Selective Catalytic Reduction (SCR) system.
- Loader shall require Diesel Exhaust Fluid (DEF).
- Loader shall indicate when the SCR is in DeSox.
- An SCR DeSox Inhibit Switch shall be available.
- Loader shall be equipped with an Engine Control Unit to electronically monitor and control the performance of the engine.
- Loader shall be equipped with a Dosing Control Unit to electronically monitor and control the performance of the SCR system.
- The loader's fuel injection system shall include a High Pressure Common Rail (HPCR).
- Loader shall use an Electromagnetic fuel pump.
- Fuel filter shall have a 4 micron C rating at 99.6% efficiency.
- Loader shall be equipped with a dual path cooling system which brings cool, clean air from above the machine for engine and hydraulic system cooling. While at the same time removing hot air from the engine and hydrostatic area.
- Battery shall be a 12 volt with a minimum of 1000 cold-cranking amps.
- Alternator shall be a minimum 120 amp.
- Starter shall be a 12 volt; 3.62 hp (2.7 kW), gear type.
- Engine accessory belt shall not require any adjustments.
- Engine shutdown shall be provided as standard equipment and shall monitor engine coolant temperature, engine oil pressure and engine RPM to help prevent engine damage.
- Engine block heater shall be provided as optional equipment to provide easier starting during cold weather operation.

DRIVE SYSTEM

- Shall have a fully hydrostatic track drive.
- Transmission shall be infinitely variable tandem hydrostatic piston pumps, driving two fully reversing hydrostatic motors.
- Two Speed travel shall be standard equipment.
- Hydrostatic piston pumps shall be belt driven from the engine.
- Undercarriage shall be suspension undercarriage type.
 - Shall have 2 torsion mounts per side.
 - Shall have an additional link on each side to provide independent suspension movement.
 - Shall have 5 triple flange forged steel rollers per side.
 - Shall use single flange forged steel rear idlers.
 - Shall use dual flange forged steel front idlers.
 - Steel rollers and idlers shall be permanently sealed and lubricated requiring no routine maintenance.
 - Shall use austempered ductile iron sprockets.
 - Hydraulic cylinder shall be used for track tension adjustment.
 - Track tension shall be automatically maintained from the loader hydraulic system.
 - Track tension shall be adjustable to meet application requirements.
- Rubber track shall have steel cables and embeds.
- Parking brake shall be spring applied, pressure release multi-disk brake.
- Tracks: 17.7" rubber tracks

HYDRAULIC SYSTEM

- Pump type shall be a gear type pump for standard and high flow hydraulics.
- Hydraulic pump capacity for standard flow shall be capable of providing 23 gpm (87.1 L/min) for bucket, lift arm and attachment operation.
- Hydraulic pump capacity for high flow shall be capable of providing 36.6 gpm (138.2 L/min) for high flow hydraulic attachment operation.
- System pressure at the quick couplers shall be 3500 psi (24.2 MPa).
- Variable flow auxiliary hydraulics shall be standard equipment.
 - Shall include flush-face pressure release quick couplers.
 - Shall include dual direction detent.
- Control valve shall be three spool, open center, series type.
 - Lift spool shall include a detent position for lift arm float function.
 - Front auxiliary hydraulic spool shall include a detent function in both forward and reverse directions.
 - Valve shall allow tilt to function when auxiliary hydraulics are at relief.
- Cylinders shall be a double-acting type.
 - Dual tilt cylinders shall have a cushioning feature on dump and roll back.
 - Dual lift cylinders shall have a cushioning feature on lift arm down.
- Hydraulic system shutdown shall be provided as standard equipment and shall monitor hydraulic oil temperature and hydrostatic charge pressure.
- A hydraulic oil cooler shall be standard equipment.
- Hydraulic filter shall be a cartridge style design.
- Hydraulic oil level sight gauge shall be easily visible from the loader outside.
- Auxiliary hydraulic hoses shall be routed inside the lift arm.
- Auxiliary quick coupler block shall be mounted to the lift arm front and must be protected with steel guarding.
- A feature for relieving pressure from the auxiliary hydraulics circuit shall be provided by pressing in and holding the quick couplers.
- Shall have rear auxiliary hydraulics as an option and include.
 - Shall use electric finger controls on left joystick.
- Hydraulic bucket positioning shall be available as an option.
 - Shall include on/off switch inside operator cab.
- Automatic Ride control shall be available as an option.
 - Shall be automatically activated and deactivated based on the lift cylinder hydraulic pressure.
 - Shall include on/off switch inside operator cab.
- Lift Arm Down Cylinder cushioning shall be standard equipment.
- Tilt Cylinder Cushioning shall be standard equipment.
- Lift circuit port relief valve shall be standard equipment.
- Auxiliary hydraulics circuit port relief valve shall be available as an option.
- Shall have inertia welded rods and bases at the end of the cylinders.
- Cylinders shall meet the following minimum specifications:

<u>Function</u>	<u># of Cylinders</u>	<u>Bore Diameter</u>	<u>Rod Diameter</u>	<u>Stroke</u>
Lift	2	3.50" (88.9 mm)	2.00" (50.8 mm)	27.51" (698.75 mm)
Tilt	2	3.25" (82.6 mm)	1.50" (38.1 mm)	15.29" (388.36 mm)

OPERATOR CONTROLS

- Loader direction, steering, and travel speed shall be controlled by two independent power assisted steering levers.
- Loader lift and tilt functions.
 - Standard- Shall be controlled by separate adjustable foot pedals.
 - Optional – Shall be selectable between foot pedals or hand lever controls.
- Optional Selectable Joystick Control system shall be available to allow operator to switch between ISO control pattern (loader direction, steering and travel speed on left hand joystick; loader lift and tilt functions on right hand joystick) or H-Pattern (left hand joystick controls lift function and left side drive function; right hand joystick controls tilt function and right side drive function).
 - Speed Management shall be available on SJC equipped loaders to allow the loader to be maneuvered at a slower travel speed, even during maximum movement of the joysticks.
 - Drive Response shall be available on SJC equipped loaders to change how responsive the loader's drive and steering systems are when the operator moves the joysticks.
 - Steering Drift Compensation shall be available on SJC equipped loaders to compensate for normal variations such as track tension and wear, driving on uneven terrain such as crowned road surfaces and when using side shift attachments such as trenchers.
 - Horsepower Management shall be available on SJC equipped loaders to allow the engine to operate at maximum horsepower and torque.
 - Optional Auto Idle shall be available on SJC equipped loaders to automatically reduce the engine speed to idle after a set time interval of loader drive and/or hydraulic inactivity.
 - Auto Idle shall be turned on or off with the press of a button.
 - The time interval before the engine speed reduces to idle shall be adjustable from 4 to 250 seconds on loaders equipped with deluxe loader instrumentation.
- Lift and Tilt Compensation shall be available on SJC equipped loaders to adjust the lift and tilt control sensitivity
- An optional Radio Remote Control kit shall be available for SJC equipped loaders. The kit shall allow the operator to safely start the loader engine and operate the drive, lift, tilt and auxiliary hydraulic functions of the loader using a Radio Remote Control Transmitter.
- An optional MaxControl shall be available for SJC equipped loaders. The kit shall allow the operator to safely start the loader engine and operate the drive, lift, tilt and auxiliary hydraulic functions of the loader by downloading the iOS app.
- Standard front auxiliary hydraulics shall be controlled by electrical switches located on the right-hand joystick.
- Optional rear auxiliary hydraulics controlled by electrical switches located on the left steering lever handle or left hand joystick.
- Electrical switches on the steering levers or joystick handles shall activate turn signals, all attachment control functions, continuous flow control for auxiliary hydraulics, front horn and two-speed control.
- Engine speed shall be controlled by a rotary knob mounted on right hand cab post.
- Engine speed shall be controlled by a foot pedal with optional Selectable Joystick Controls.
- Parking brake shall be controlled by a finger operated rocker switch on left hand cab post.
- Engine starting and shutdown functions shall be controlled electrically with a key switch or optional keyless start.

OPERATOR COMFORT

- Shall have an enclosed cab available as standard equipment.
- Air conditioning shall be available as standard equipment without changing loader profile.
 - Shall have the capability to be used in colder temperatures to aid in defrosting.
- Cab heat shall be available as standard equipment without changing loader profile.
 - Heater system shall have a minimum BTU output of 33,000 BTU.
- Front door shall be a one piece curved design that opens to the side opposite of the auxiliary quick couplers.
 - Cab door shall have a sensor that deactivates the lift arm and tilt function when the door is open.
- Enclosed cab shall be pressurized to 0.1 inches of water.
- HEPA filter shall be available as an option.
- An adjustable suspension seat shall be standard equipment.
- An air ride seat shall be available as an option.
- Arm rest shall be standard equipment.
- Cup holder shall be standard equipment.
- Engine throttle shall be located directly in front of the operator.
- The optional Selectable Joystick Control system shall be mounted to the seat and shall be able to adjust independently of the seat.
- Sound reduction kits shall be available as an option.
- Top and rear windows shall be available as standard equipment.
- Front and rear window wipers shall be available as an option.
- Intermittent front wiper shall be available as an option.
- Shall have special application polycarbonate doors and windows available as an option.
- Shall have a forestry application kit available as an option.
- Dome lights shall be standard equipment.
- Front and rear operating lights shall be available as standard equipment.
 - Front operating lights shall be halogen with minimum output of 175 watts.
- Side light kit shall be available as an option.
 - Side light kit shall include 2 LED light bars with a minimum output of 800 lumens per side.
- Side windows shall be mounted on the outside of the cab with the ability to be locked in open and/or closed positions.
- Side and rear window defrost shall be provided in the heat or air conditioned options.
- Loader controls and switches shall be mounted in front of the operator, not to the side.
- An FM/AM Radio shall be available as an option.
 - Radio shall be located in front of the operator.
- 12 volt power ports shall be available as standard equipment.
- Clean out holes in the foot well shall be provided as standard equipment.
- Shall meet ISO 5006:2006: *Earth-moving Machinery. Operator's Field of View. Test Method and Performance Criteria* without aides such as rear view mirrors.

CAPACITIES

- Fuel Tank shall have a minimum capacity of 32.6 gal. (123.4 L).
- Cooling System without heater shall have a minimum capacity of 3.6 gal. (13.6 L).
- Cooling System with heater shall have a minimum capacity of 3.8 gal. (14.4 L).
- Hydraulic Reservoir shall have a minimum capacity of 2.5 gal. (9.5 L).
- Hydrostatic System shall have a minimum capacity of 12.0 gal. (45.4 L).
- Diesel Exhaust Fluid tank shall have a minimum capacity of 6.8 gal. (25.7L)

STANDARD 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.

Gauges

- Engine Coolant Temp
- Fuel Level
- Diesel Exhaust Fluid level

Warning Lights

- Engine Coolant Temp
- Engine Malfunction
- Fuel Level
- General Warning
- Hydraulic Malfunction
- Selective Catalytic Reduction

Indicators

- BICS™ Functions
- Lift & Tilt Valve
- Parking Brake
- 2-Speed
- Seat Belt
- 3-Point Shoulder Belt
- Turn Signals

Data Display Screen

- Battery Voltage
- Drive Response Setting
- Engine Preheat
- Engine RPM
- Maintenance Clock
- Hourmeter
- Service Codes
- Speed Management
- Steering Drift

DELUXE LOADER INSTRUMENTATION

- The following features of the Deluxe Instrument Panel with Keyless Start are in addition to the Standard Instrument Panel:

Additional Displays for:

- Engine RPM
- Engine Oil Pressure
- Engine Oil Temperature
- Engine Coolant Temperature
- Hydraulic Oil Temperature
- Hydrostatic Charge Pressure
- System Voltage
- Multi-Language Display
- Real Time Fuel Consumption Rate

Additional Features:

- Diagnostic Capability
- Digital Clock
- Help Screens
- Job Clock
- Individual Operator Job Statistics
- Metric and English capabilities
- Keyless Start
- Password Lockout
- High Flow Lockout
- 2-Speed Lockout
- Attachment Control

ATTACHMENTS

- All attachments shall be mounted on a quick-change mechanism. No attachments will be considered unless it can be removed or mounted by an experienced operator within two minutes or less.
- The quick change mechanism shall incorporate two handles that drive spring loaded, wear compensating wedges into the attachment ensuring a tight attachment fit-up.
- The quick change mechanism shall be driven by hydraulics and be available as an option.
 - Powered hydraulic quick change mechanism shall be activated by non-locking two-way rocker switch to raise and lower attachment levers.
- 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 (Attachment Control Device Kit) shall be provided which will control all available attachments.
- Attachment Control unit shall not use mechanical relays.
- Shall be equipped with standard flow hydraulics as standard equipment.
- High flow hydraulics shall be available as optional equipment.
- No attachments will require more than three hydraulic hoses and one electrical line for operation.

SERVICEABILITY

- Engine shall be transversely mounted to provide easy access to daily maintenance items.
- Access shall be available to the following through the rear door/tailgate and rear screen.
 - Air cleaner
 - Alternator
 - Battery
 - Cooling system (engine oil and hydraulic oil cooler) for cleaning
 - Engine oil and fuel filters
 - Engine oil drain and dipstick
 - Starter
 - Air Conditioning Compressor
 - DOC/SCR catalyst housing
- Easy access shall be provided to all lift arm grease points.
- Quick-Tach pivots shall have replaceable wear bushings.
- Rod end of the tilt cylinder shall have a replaceable bushing.
- A rear bumper shall extend beyond the tailgate to protect the tailgate from damage.
- Tailgate shall be constructed of ¼" thick solid steel with fans to aid in engine compartment cooling.
- Tailgate shall have an optional lock for vandal proofing.
- Tailgate shall be equipped with doorstop to hold door open while servicing.
- Tip-up operator cab shall give access to certain hydraulic system components.
- Shall have a single-plane lift arm design to minimize side-to-side movement resulting in less wear.
 - All lift arm pivot points align in a single plane.
- Tilt cylinder shields shall be available as optional equipment to provide additional protection to the tilt cylinders and hoses.

SAFETY EQUIPMENT

- An enclosable operator cab with side screens shall 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 shall be furnished as standard equipment.
- A 3-point seat belt shall be available as standard equipment.
- 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 shall assist in servicing the loader shall be provided as standard equipment.
- Grab handles shall assist the operator in mounting and dismounting the loader will be provided as standard equipment.
- Emergency exit provided through front door accessed via orange colored handles or back window accessed via orange tag.
- 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 $\frac{1}{4}$ turn. Then, pull up and hold until the lift arms slowly lower.
- Shall have operational instructions and warning decals with pictorials and international symbols plus some messages in four basic languages: English, French, German and Spanish.
- Shall have a weather resistant operator handbook written in English attached to the loader.
- Loader shall include an alarm package including a horn and backup alarm as standard equipment.
- Rear operating lights shall be mounted to the tailgate and shall be recessed to minimize damage.
 - Rear operating light shall include backup lights and red colored taillights.
- Strobe lights or rotating beacons shall be available as an option.
- 4 way flashing lights shall be available as an option.
- Turn signals shall be available as an option.
- FOPS Level II shall be available as an option.
- Fire extinguisher kit shall be available as an option.
- Shall have single or four point lift kits available for lifting the loader without affecting rollover and falling object protection features of the operator cab.

TRAINING RESOURCES

- A comprehensive Compact Track Loader Operator Training Kit shall be available.
- Follow the link bobcat.com/owners/safety-training/resources/courses