

State of Nebraska - INVITATION TO BID CONTRACT

Date	12/14/22	Page	1 of 3
Solicitation Number	6746 OF		
Opening Date and Time	01/04/23	2:00 pm	
Buyer	CHRISTIE KELLY (AS)		

DESTINATION OF GOODS
 DEPARTMENT OF TRANSPORTATION
 5001 S 14TH ST
 PO BOX 94759
 LINCOLN NE 68509-4759

Per Nebraska's Transparency in Government Procurement Act, DAS is required to collect statistical information regarding the number of contracts awarded to Nebraska contractors. This information is for statistical purposes only and will not be considered for contract award purposes.

X **NEBRASKA CONTRACTOR AFFIDAVIT:** Bidder hereby attests that bidder is a Nebraska Contractor. "Nebraska Contractor" shall mean any bidder who has maintained a bona fide place of business and at least one employee within this state for at least the six (6) months immediately preceding the posting date of this ITB.

_____ I hereby certify that I am a Resident disabled veteran or business located in a designated enterprise zone in accordance with Neb. Rev. Stat. §73-107 and wish to have preference, if applicable, considered in the award of this contract.

Contract to supply and deliver ARTICULATED AWD LOADERS WITH MINIMUM 2.7 CY BUCKETS to the State of Nebraska as per the attached specifications for a one (1) year period from date of award. The contract may be renewed for four (4) additional one (1) year periods when mutually agreeable to the vendor and the State of Nebraska.

(12/12/22 sc)

INVITATION

Line	Description	Quantity	Unit of Measure	Unit Price	Extended Price
1	ARTICULATED AWD LOADER WITH MINIMUM 2.7 CY BUCKET BRAND: <u>Case</u> MODEL: <u>621G</u> OPTIONAL ITEMS:	5.0000	EA	<u>181,500</u>	<u>907,500</u>
2	QUICK HITCH WITH SPECIFIED BUCKET	5.0000	EA	<u>12,500</u>	<u>62,500</u>

BIDDER MUST COMPLETE THE FOLLOWING

DISCOUNT PAYMENT TERMS: net % 30 DAYS

By signing this Invitation to Bid form, the bidder guarantees compliance with the provisions stated in this Invitation to Bid, agrees to the terms and conditions unless otherwise agreed to and certifies that bidder maintains a drug free work place environment. Vendor will furnish the items requested within _____ days after receipt of order. Failure to enter Delivery Date may cause quotation to be REJECTED.

210-300

Sign Here  (Authorized Signature Mandatory) - Form must be signed manually in ink or by DocuSign

Enter Contact Information Below

VENDOR# 1644823
 VENDOR: Titan Machinery Inc
 Address: 6310 N 56th St
Lincoln, NE 68504

Contact Andy Bethel
 Telephone 612-741-3321
 Email andy.bethel@titanimachinery.com

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Line	Description	Quantity	Unit of Measure	Unit Price	Extended Price
	BRAND: <u>Case</u>				
	MODEL: <u>416</u>				
3	QUICK ATTACH FORKLIFT ASSEMBLY	5.0000	EA	<u>7,500</u>	<u>37,500</u>
	BRAND: <u>Paladin</u>				
	MODEL: <u>SVF 60</u>				
4	MULTI PURPOSE BUCKET	5.0000	EA	<u>21,100</u>	<u>105,500</u>
	BRAND: <u>Werk Brau</u>				
	MODEL: <u>2.5 4N 1</u>				
5	GRAPPLE FORK ATTACHMENT	5.0000	EA	<u>11,500</u>	<u>57,500</u>
	BRAND: <u>Grabtec</u>				
	MODEL: <u>GA 905</u>				
6	THIRD VALVE WITH LINES TO THE FRONT OF THE LOADER BOOM FOR ATTACHMENTS.	5.0000	EA	<u>Included</u>	<u>Included</u>
	BRAND: <u>Case</u>				
	MODEL: _____				
7	AM FM RADIO	5.0000	EA	<u>Included</u>	<u>Included</u>
8	WHEEL LOADER SCALE SYSTEM	5.0000	EA	<u>7,000</u>	<u>35,000</u>
	BRAND: <u>Loup</u>				
	MODEL: <u>8000T</u>				
9	WHEEL LOADER SCALE SYSTEM WITH IN CAB PRINTER	5.0000	EA	<u>7,950</u>	<u>39,750</u>
	BRAND: <u>Loup</u>				

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INVITATION

Line	Description	Quantity	Unit of Measure	Unit Price	Extended Price
	MODEL: <u>ICP Printer</u>				
10	EXTENDED WARRANTY AFTER THE FIRST YEAR OF THE BASIC WARRANTY EXPIRES. (DEDUCT)	5.0000	EA	< 2,400 >	< 12,000 >
11	TRANSPORTATION COSTS DURING THE EXTENDED WARRANTY PROGRAM IF NEEDED, NDOT WILL TAKE RESPONSIBILITY FOR THE DELIVERY OF THE LOADER TO A REPAIR FACILITY FOR THE EXTENDED WARRANTY PERIOD. (DEDUCT)	5.0000	EA	< 2,000 >	< 10,000 >
12	DELUXE AIR RIDE SEATS	5.0000	EA	<u>Included</u>	<u>Included</u>
	BRAND: <u>Case</u>				
	MODEL: _____				

**ADDENDUM ONE
NO QUESTIONS and ANSWERS RECEIVED
6746 OF**

Date: December 28, 2022

To: All Bidders

From: Christie Kelly, Procurement Contracts Officer
AS Materiel State Purchasing Bureau (SPB)

RE: Addendum for Invitation to Bid (ITB) Number 6746 OF for Articulated AWD Loader with Minimum
2.7 CY Bucket to be opened on January 4, 2023, at 2:00 p.m. Central Time

Questions and Answers

No questions were received for ITB Number 6746 OF.

This Addendum will become part of the ITB and should be acknowledged with the ITB.

Service Managers				
Location	Address	Name	Phone #	email
Omaha, NE	14961 Shepard Street	Terry Smith	402-733-3700	terry.smith@titanmachinery.com
Lincoln, NE	6310 North 56th St	Eric Weilage	402-464-3711	eric.weilage@titanmachinery.com
North Platte, NE	3211 Rodeo Road	Mike Saba	308-532-6571	mike.saba@titanmachinery.com
Grand Island, NE	3721 West Hwy 2	Gil White	308-384-0310	gil.white@titanmachinery.com
Hastings, NE	1660 So Baltimore Ave	Charles Monter	402-463-0544	charles.monter@titanmachinery.com
Kearney, NE	714 3rd Ave	Bryce Parker	308-237-3138	bryce.parker@titanmachinery.com
Scottsbluff, NE	2401 West 20th Street	Adam Kriha	308-635-3727	adam.kriha@titanmachinery.com
Windsor, CO	7250 Greenridge Road	Edward Neefe	970-461-4960	edward.neefe@titanmachinery.com
Rapid City, SD	1441 Deadwood Ave	Carson Chord	605-388-0266	carson.chord@titanmachinery.com
Sioux Falls, SD	4400 West 62nd Street North	Kris McWilliams	605-336-3434	kris.mcwilliams@titanmachinery.com
Sioux City, IA	5601 Harbor Drive	Chris Hagen	712-239-4941	chris.hagen@titanmachinery.com

All Locations have certified service technicians and are OEM approved Parts, service and sales locations

Parts Managers				
Location	Address	Name	Phone #	email
Omaha, NE	14961 Shepard Street	Lowell Taylor	402-733-3700	lowell.taylor@titanmachinery.com
Lincoln, NE	6310 North 56th St	Cody Sterns	402-464-3711	cody.sterns@titanmachinery.com
North Platte, NE	3211 Rodeo Road	Ryan Docter	308-532-6571	ryan.docter@titanmachinery.com
Grand Island, NE	3721 West Hwy 2	Jerry Ljunggren	308-384-0310	jerry.ljunggren@titanmachinery.com
Hastings, NE	1660 So Baltimore Ave	Justin Brader	402-463-0544	justin.brader@titanmachinery.com
Kearney, NE	714 3rd Ave	Thomas Swarm	308-237-3138	thomas.swarm@titanmachinery.com
Scottsbluff, NE	2401 West 20th Street	Thomas Peister	308-635-3727	thomas.peister@titanmachinery.com
Windsor, CO	7250 Greenridge Road	Mark Willemssen	970-461-4960	mark.willemssen@titanmachinery.com
Rapid City, SD	1441 Deadwood Ave	Bryant Stilwell	605-388-0266	bryant.stilwell@titanmachinery.com
Sioux Falls, SD	4400 West 62nd Street North	Bruce Wobig	605-336-3434	bruce.wobig@titanmachinery.com
Sioux City, IA	5601 Harbor Drive	Chris Hagan	712-239-4941	chris.hagan@titanmachinery.com

**ARTICULATED ALL WHEEL DRIVE (AWD) LOADER
WITH MINIMUM 2.7 CUBIC YARD (CY) BUCKET
STATE OF NEBRASKA/NDOT
INVITATION TO BID
6746 OF**

The State of Nebraska (State), Department of Administrative Services (DAS), Materiel Division, State Purchasing Bureau (SPB), is issuing this bid for a commodity contract, ITB Number 6746 OF for the purpose of selecting a qualified Bidder to provide **Articulated All Wheel Drive Loader with Minimum 2.7 Cubic Yard Bucket**. A more detailed description can be found in Sections II through VII. The resulting contract may not be an exclusive contract as the State reserves the right to contract for the same or similar goods from other sources now or in the future.

INFORMATION PERTINENT TO THIS BID CAN BE FOUND ON THE INTERNET AT:

<http://das.nebraska.gov/materiel/purchasing.html>

PUBLIC POSTING NOTICE:

Pursuant to the Taxpayer Transparency Act (Neb. Rev. Stat. §§ 84-602.01 to 84-602.04) and in furtherance of public records statutes (Neb. Rev. Stat. § 84-712 et seq.), State contracts, must be posted to a public website. The resulting Contract, the ITB, and the successful Bidder's entire bid and response will be posted to a public website managed by DAS, which can be found at:

<https://statecontracts.nebraska.gov> & https://www.nebraska.gov/das/materiel/purchasing/contract_search/index.php

If the Bidder wishes to withhold proprietary or other commercial information from disclosure, the Bidder must do the following:

- a. Identify the Proprietary Information;
- b. Mark the Proprietary Information; and
- c. Submit the Proprietary Information under separate cover marked clearly using an indelible method with the words "PROPRIETARY INFORMATION".
- d. The mere assertion that information is Proprietary or that a speculative Business advantage might be gained is not sufficient. (See Attorney General Opinion No. 92068, April 27, 1992). **THE BIDDER MAY NOT ASSERT THAT THE ENTIRE BID IS PROPRIETARY. COST WILL NOT BE CONSIDERED PROPRIETARY AND IS A PUBLIC RECORD SUBJECT TO DISCLOSURE.**

The State may require a Bidder to submit more information, including, but not limited to, a detailed explanation as to how and why the designated information is Proprietary.

The State will determine, in its sole discretion, if the disclosure of the designated Proprietary Information would:

- a. Give advantage to Business competitors; and
- b. Serve no public purpose.

Absent a determination by the State that the information may be withheld pursuant to Neb. Rev. Stat. § 84-712.05, the State will consider all information a public record subject to disclosure.

In the event that disclosure of Proprietary Information is ordered or requested, it will be the Bidder's responsibility to assert and defend the non-disclosure.

To facilitate public postings, with the exception of Proprietary Information, the State reserves a royalty-free, nonexclusive, and irrevocable right to copy, reproduce, publish, post to a website, or otherwise use any contract, bid, or response to this ITB for any purpose, and to authorize others to use the documents. Any individual or entity Awarded a contract, or who submits a bid in response to this ITB, specifically waives any Copyright or other protection the contract, bid, or response to the ITB may have; and acknowledges that they have the ability and authority to enter into such waiver. This reservation and waiver are a prerequisite for submitting a bid or response to this ITB, and Award of a contract. Failure to agree to the reservation and waiver will result in the bid being found non-responsive and rejected.

Any entity Awarded a contract or submitting a bid or response to the ITB agrees not to sue, file a claim, or make a demand of any kind, and will indemnify and hold harmless the State and its employees, volunteers, Agents, and its elected and appointed officials from and against any and all claims, liens, demands, damages, liability, actions, causes of action, losses, judgments, costs, and expenses of every nature, including investigation costs and expenses, settlement costs, and attorney fees and expenses, sustained or asserted against the State, arising out of, resulting from, or attributable to the posting of the contract or the bids and responses to the ITB, Awards, and other documents.

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GLOSSARY OF TERMS

Acceptance Test Procedure: Benchmarks and other performance criteria, developed by the State or other sources of testing standards, for measuring the effectiveness of products or goods and the means used for testing such performance

Addendum: Something to be added or deleted to an existing document; a supplement

Agency: Using agencies shall mean and include all officers of the state, departments, bureaus, boards, commissions, councils, and institutions receiving legislative appropriations

Agent/Representative: A person authorized to act on behalf of another

Amend: To alter or change by adding, subtracting, or substituting

Amendment: A written correction or alteration to a document

Appropriation: Legislative authorization to expend public funds for a specific purpose. Money set apart for a specific use

Automated Clearing House: Electronic network for financial transactions in the United States

Award: All purchases, leases, or contracts which are based on competitive bids will be awarded according to the provisions in the bid

Best and Final Offer: In a competitive bid, the final offer submitted which contains bidder's most favorable terms for price

Bidder: A contractor who submits an offer bid in response to a written solicitation

Breach: Violation of a contractual obligation by failing to perform or repudiation of one's own promise.

Business Day: Any weekday, except State-recognized holidays

Calendar Day: Every day shown on the calendar including Saturdays, Sundays, and State/Federal holidays

Cancellation: To call off or revoke a bid, purchase order or contract without expectation of conducting or performing at a later time

Central Processing Unit: Any computer or computer system that is used by the State to store, process, or retrieve data or perform other functions using Operating Systems and applications software

Collusion: An agreement or cooperation between two (2) or more persons or entities to accomplish a fraudulent, deceitful, or unlawful purpose

Commodities: Any equipment, material, supply, or goods; anything movable or tangible that is provided or sold

Commodities Description: Detailed descriptions of the items to be purchased; may include information necessary to obtain the desired quality, type, color, size, shape, or special characteristics necessary to perform the work intended to produce the desired results

Competition: The effort or action of two or more commercial interests to obtain the same business from third parties

Confidential Information: Unless otherwise defined below, "Confidential Information" shall also mean proprietary trade secrets, academic and scientific research work which is in progress and unpublished, and other information which if released would give advantage to business competitors and serve no public purpose (see Neb. Rev. Stat. §84-712.05(3)). In accordance with Nebraska Attorney General Opinions 92068 and 97033, proof that information is proprietary requires identification of specific, named competitor(s) who would be advantaged by release of the information and the specific advantage the competitor(s) would receive

Contract: An agreement between two (2) or more parties creating obligations that are enforceable or otherwise recognizable at law; the writing that sets forth such an agreement

Contract Administration: The management of the contract which includes and is not limited to contract signing, contract amendments and any necessary legal actions

Contract Management: The management of day-to-day activities at the agency which includes and is not limited to ensuring deliverables are received, specifications are met, handling meetings, and making payments to the Bidder

Contract Period: The duration of the contract

Contractor: An individual or entity lawfully conducting business in the State, who seeks or agrees to provide goods or services under the terms of a written contract.

Cooperative Purchasing: The combining of requirements of two or more political entities to obtain advantages of volume purchases, reduction in administrative expenses or other public benefits

Copyright: A property right in an original work of authorship fixed in any tangible medium of expression, giving the holder the exclusive right to reproduce, adapt and distribute the work

Critical Program Error: Any Program Error, whether or not known to the State, which prohibits or significantly impairs use of the Licensed Software as set forth in the documentation and intended in the contract

Customer Service: The process of ensuring customer satisfaction by providing assistance and advice on those products or goods provided by a Bidder

Default: The omission or failure to perform a contractual duty

Deviation: Any proposed change(s) or alteration(s) to either the terms and conditions or deliverables within the scope of the written bid or contract

Evaluation: The process of examining an offer after opening to determine the bidder's responsibility, responsiveness to requirements, and to ascertain other characteristics of the offer that relate to determination of the successful award

Evaluator: Agency individual(s) that advises and assists the procuring office in the evaluation of bids.

Extension: Continuance of a contract for a specified duration upon the agreement of the parties beyond the original Contract Period. Not to be confused with "Renewal Period"

Free on Board Destination: The delivery charges are included in the quoted price and prepaid by the bidder. Bidder is responsible for all claims associated with damages during delivery of product

Foreign Corporation: A foreign corporation that was organized and chartered under the laws of another state, government, or country.

Grievance: A complaint about a governmental action or decision related to the bid or resultant contract, brought by a bidder who has timely submitted a bid response in connection with the award in question, to AS Materiel Division or another designated agency with the intention of achieving a remedial result.

Installation Date: The date when the procedures described in "Installation by Contractor", and "Installation by State", as found in the solicitation, or contract are completed.

Interested Party: A person, acting in their personal capacity, or an entity entering into a contract or other agreement creating a legal interest therein

Invalid Bid: A bid that does not meet the requirements of the bid or cannot be evaluated against the other bids.

Invitation to Bid: A written bid utilized for obtaining competitive offers for Services or Goods

Late Bid: An offer received after the Opening Date and Time

Licensed Software Documentation: The user manuals and any other materials in any form or medium customarily provided by the Bidder to the users of the Licensed Software which will provide the State with sufficient information to operate, diagnose, and maintain the Licensed Software properly, safely, and efficiently

Mandatory: Required, compulsory, or obligatory

May: Discretionary, permitted; used to express possibility

Module (see System): A collection of routines and data structures that perform a specific function of software

Must: See "Mandatory"

National Institute for Governmental Purchasing: Source used for assignment of universal commodity codes to goods and services

Open Market Purchase: Authorization may be given to an agency to purchase items above direct purchase authority due to the unique nature, price, quantity, location of the using agency, or time limitations by the AS Materiel Division, State Purchasing Bureau

Opening Date and Time: Specified date and time for the public opening of received, labeled, and sealed formal bids

Operating System: The control program in a computer that provides the interface to the computer hardware and peripheral devices, and the usage and allocation of memory resources, processor resources, input/output resources, and security resources

Outsourcing: The contracting out of a business process which an organization may have previously performed internally or has a new need for, to an independent organization from which the process is purchased back

Payroll & Financial Center: Electronic procurement system of record

Platform: A specific hardware and Operating System combination that is different from other hardware and Operating System combinations to the extent that a different version of the Licensed Software product is required to execute properly in the environment established by such hardware and Operating System combination

Point of Contact: The person designated to receive communications and to communicate

Product: Something that is distributed commercially for use or consumption and that is usually (1) tangible personal property, (2) the result of fabrication or processing, and (3) an item that has passed through a chain of commercial distribution before ultimate use or consumption

Program Error: Code in Licensed Software which produces unintended results or actions, or which produces results or actions other than those described in the specifications. A program error includes, without limitation, any Critical Program Error

Program Set: The group of programs and products, including the Licensed Software specified in the bid, plus any additional programs and products licensed by the State under the contract for use by the State

Project: The total scheme, program, or method worked out for the accomplishment of an objective, including all documentation, commodities, and goods to be provided under the contract

Proposal: An offer, bid, or quote submitted by a contractor/vendor in a response to a written solicitation

Proprietary Information: Proprietary information is defined as trade secrets, academic and scientific research work which is in progress and unpublished, and other information which if released would give advantage to business competitors and service no public purpose (see Neb. Rev. Stat. § 84-712.05(3)). In accordance with Attorney General Opinions 92068 and 97033, proof that information is proprietary requires identification of specific named competitor(s) advantaged by release of the information and the demonstrated advantage the named competitor(s) would gain by the release of information

Protest: See "Grievance"

Public Bid Opening: The process of opening correctly submitted offers at the time and place specified in the written bid and in the presence of anyone who wished to attend

Quote: See Bid

Recommended Hardware Configuration: The data processing hardware (including all terminals, auxiliary storage, communication, and other peripheral devices) to the extent utilized by the State as recommended by the Bidder.

Release Date: The date of public release of the written bid to seek offers

Renewal Period: Optional contract periods subsequent to the original Contract Period for a specified duration with previously agreed to terms and conditions. Not to be confused with Extension

Request for Information: A general invitation to bidder is requesting information for a potential future bid. The RFI is typically used as a research and information gathering tool for preparation of a bid

Responsible Bidder: A Bidder who has the capability in all respects to perform fully and lawfully all requirements with integrity and reliability to assure good faith performance

Responsive Bidder: A Bidder who has submitted a bid which conforms to all requirements of the bid document

Shall: See "Mandatory"

Should: Expected; suggested, but not necessarily mandatory

Software License: Legal instrument with or without printed material that governs the use or redistribution of licensed software

Specifications: The detailed statement, especially of the measurements, quality, materials, and functional characteristics, or other items to be provided under a contract

Statutory: These clauses are controlled by state law and are not subject to negotiation

Subcontractor: Individual or entity with whom the bidder enters a contract to perform a portion of the work awarded to the bidder

System (see Module): Any collection or aggregation of two (2) or more Modules that is designed to function, or is represented by the Bidder as functioning or being capable of functioning, as an entity

Termination: Occurs when the contract expires or either party, pursuant to a power created by agreement or law puts an end to the contract prior to the stated expiration date. All obligations which are still executory on both sides are discharged but any right based on prior breach or performance survives

Third-Party: Any person or entity, including but not limited to fiduciaries, shareholders, owners, officers, managers, employees, legally disinterested persons, and sub-contractors or agents, and their employees. It shall not include any entity or person who is an interested Party to the contract or agreement

Trade Secret: Information, including, but not limited to, a drawing, formula, pattern, compilation, program, device, method, technique, code, or process that (a) derives independent economic value, actual or potential, from not being known to, and not being ascertainable by proper means by, other persons who can obtain economic value from its disclosure or use; and (b) is the subject of efforts that are reasonable under the circumstances to maintain its secrecy (see Neb. Rev. Stat. § 87-502(4))

Trademark: A word, phrase, logo, or other graphic symbol used by a manufacturer or bidder to distinguish its product from those of others, registered with the U.S. Patent and Trademark Office

Upgrade: Any change that improves or alters the basic function of a product of service

Vendor Performance Report: A report completed by the using agency and submitted to State Purchasing Bureau documenting products or services delivered or performed which exceed or fail to meet the terms of the purchase order, contract, and/or bid specifications.

Vendor: Inclusive term for any Bidder or Contractor.

Will: See "Mandatory"

ACRONYM LIST

AC: Alternating Current

ACH: Automated Clearing House

ARO: After Receipt of Order

AWD: All Wheel Drive

BAFO: Best and Final Offer

CY: Cubic Yard

DAS: Department of Administrative Services

DBA: A Weighted Decibel

FOB: Free on Board

ISO: International Organization for Standardization

ITB: Invitation to Bid

LED: Light Emitting Diode

MHz: Megahertz

MPH: Miles Per Hour

NDOT: Nebraska Department of Transportation

NIGP: National Institute for Governmental Purchasing

OEM: Original Equipment Manufacturer

OSHA: Occupational Safety and Health Administration

PCO: Procurement Contracts Officer

POC: Point of Contact

PSI: Pounds per Square Inch

RFI: Request for Information

ROPS: Rollover Protection Structure

SAE: Society of Automotive Engineers

SPB: State Purchasing Bureau

UHF: Ultra High Frequency

VHF: Very High Frequency

I. PROCUREMENT PROCEDURE

A. GENERAL INFORMATION

The bid is designed to solicit bids from qualified Bidders who will be responsible for providing **Articulated AWD Loader with Minimum 2.7 CY Bucket** at a competitive and reasonable cost. Terms and Conditions, Project Description and Scope of Work, Bid instructions, and Cost Bid Requirements may be found in Sections II through VII.

Bids shall conform to all instructions, conditions, and requirements included in the bid. Prospective Bidders are expected to carefully examine all documents, schedules, and requirements in this bid, and respond to each requirement in the format prescribed. Bids may be found non-responsive if they do not conform to the bid.

B. PROCURING OFFICE AND COMMUNICATION WITH STATE STAFF AND EVALUATORS

Procurement responsibilities related to this bid reside with SPB. The POC for the procurement is as follows:

Name: Christie Kelly, PCO
 Agency: State Purchasing Bureau
 Address: 1526 K Street, Suite 130
 Lincoln, NE 68508

Telephone: 402-471-6500

E-Mail: as.materielpurchasing@nebraska.gov

From the date the bid is issued until the Intent to Award is issued, communication from the Bidder is limited to the POC listed above. After the Intent to Award is issued, the Bidder may communicate with individuals the State has designated as responsible for negotiating the contract on behalf of the State. No member of the State Government, employee of the State, or member of the Evaluation Committee is empowered to make binding statements regarding this bid. The POC will issue any answers, clarifications, or amendments regarding this bid in writing. Only the SPB or awarding agency can award a contract. Bidders shall not have any communication with or attempt to communicate or influence any evaluator involved in this bid.

The following exceptions to these restrictions are permitted:

1. Contact made pursuant to pre-existing contracts or obligations;
2. Contact required by the schedule of events, or an event scheduled later by POC; and
3. Contact required for negotiation and execution of the final contract.

The State reserves the right to reject a bidder's bid, withdraw an Intent to Award, or terminate a contract if the State determines there has been a violation of these procurement procedures.

C. SCHEDULE OF EVENTS

The State expects to adhere to the procurement schedule shown below, but all dates are approximate and subject to change.

ACTIVITY		DATE/TIME
1.	Release ITB	December 14, 2022
2.	Last day to submit written questions. Upload written questions for 6742 OF electronically via ShareFile to: https://nebraska.sharefile.com/r-r8841af42a7b848e89cc26fcfa0545389	December 21, 2022
3.	State responds to written questions through an Addendum to be posted to the Internet at: https://das.nebraska.gov/materiel/bidopps.html#	December 28, 2022
4.	Electronic Bid Opening via Zoom Electronically submitted bids are being accepted due to the challenges of COVID-19. Upload electronic Bid submissions for 6742 OF via ShareFile to: https://nebraska.sharefile.com/r-ra01b89aa23af4762959ad94cba249e04 Zoom Meeting Information: https://us02web.zoom.us/j/7318536781?pwd=cHRFNDJzRzBwSitlVDZSQytEa2Zwtz09 Meeting ID: 731 853 6781 Passcode: 4Gkv2t	January 4, 2023 2:00 PM Central Time

D. WRITTEN QUESTIONS AND ANSWERS

Questions regarding the meaning or interpretation of any bid provision must be submitted in writing to SPB and clearly marked "ITB Number 6742 OF; Articulated AWD Loader with Minimum 2.7 CY Bucket Questions". POC is not obligated to respond to questions that are received late per the Schedule of Events.

Questions should be uploaded to ShareFile at <https://nebraska.sharefile.com/r-r8841af42a7b848e89cc26fca0545389> but may also be emailed.

The Bidder Should present, as questions, any assumptions upon which the Bidder's bid is or might be developed. Bids will be evaluated without consideration of any known or unknown assumptions. The Contract will not incorporate any known or unknown assumptions.

It is recommended that questions be submitted using the following format:

Bid Section Reference	Bid Page Number	Question

Written answers will be posted at <http://das.nebraska.gov/materiel/purchasing.html> per the Schedule of Events.

E. SECRETARY OF STATE/TAX COMMISSIONER REGISTRATION REQUIREMENTS (Statutory)

All Bidders must be authorized to transact business in the State and comply with all Nebraska Secretary of State Registration requirements. The Bidder who is the recipient of an Intent to Award will be required to certify that it has complied and produce a true and correct copy of its current (within ninety (90) calendar days of the intent to award) Certificate or Letter of Good Standing, or in the case of a sole proprietorship, provide written documentation of sole proprietorship and the United States Citizenship Attestation Form, available on the DAS website at: <http://das.nebraska.gov/materiel/purchasing.html>. This must be accomplished prior to execution of the contract.

F. ETHICS IN PUBLIC CONTRACTING

The State reserves the right to reject bids, withdraw an intent to award or award, or terminate a contract if a Bidder commits or has committed ethical violations, which include, but are not limited to:

1. Offering or giving, directly or indirectly, a bribe, fee, commission, compensation, gift, gratuity, or anything of value to any person or entity in an attempt to influence the bidding process;
2. Utilize the services of lobbyists, attorneys, political activists, or consultants to influence or subvert the bidding process;
3. Being considered for, presently being, or becoming debarred, suspended, ineligible, or excluded from contracting with any state or federal entity;
4. Submitting a bid on behalf of another party or entity;
5. Collude with any person or entity to influence the bidding process, submit sham bids, preclude bidding, fix pricing or costs, create an unfair advantage, subvert the bid, or prejudice the State.

The Bidder shall include this clause in any subcontract entered into for the exclusive purpose of performing this contract.

Bidder shall have an affirmative duty to report any violations of this clause by the Bidder throughout the bidding process, and throughout the term of this contract for the successful Bidder and their subcontractors.

G. DEVIATIONS FROM THE ITB

The requirements contained in the bid (Sections II through VII) become a part of the terms and conditions of the contract resulting from this bid. Any deviations from the bid in Sections II through VII must be clearly defined by the Bidder in its bid and, if accepted by the State, will become part of the contract. Any specifically defined deviations must not be in conflict with the basic nature of the bid, bid requirements, or applicable state or federal laws or statutes. "Deviation", for the purposes of this bid, means any proposed changes or alterations to either the contractual language or deliverables within the scope of this bid. The State discourages deviations and reserves the right to reject proposed deviations.

H. SUBMISSION OF BIDS

The State is accepting electronically submitted bids for this ITB.

IT IS THE BIDDERS' RESPONSIBILITY TO ENSURE ALL BIDS SHALL BE SUBMITTED AND RECEIVED BY THE DATE AND TIME INDICATED IN THE SCHEDULE OF EVENTS FOR EACH BID SUBMITTED.

All bids must be received by SPB by the date and time of the Bid Opening per the Schedule of Events. It is the Bidder's responsibility to ensure timely submission and receipt and the State is not responsible for bids that are late or lost, regardless of cause or fault. No Late Bids will be evaluated.

Late Bids may be returned to the bidder if requested by the Bidder within sixty (60) Calendar days after this late bid was submitted and will at the Bidder's expense.

1. **ELECTRONICALLY SUBMITTING ELECTRONIC BID(S)**

- a. Bidders should upload bid(s) via ShareFile to: <https://nebraska.sharefile.com/r-ra01b89aa23af4762959ad94cba249e04>
- b. Not all browsers are compatible with ShareFile. Currently Chrome, Internet Explorer and Firefox are compatible, but Microsoft Edge is not.
- c. **After the bidder clicks the bid submission link, the bidder will be prompted to enter contact information including an e-mail address so that the bidder will receive a confirmation email confirming the successful upload directly from ShareFile.**
- d. The Bidder is solely responsible for any variance between the copies submitted.
- e. If multiple bids are submitted, the State will retain only the most recently submitted response.

2. **OTHER BID DOCUMENTS TO UPLOAD TO SHAREFILE**

- a. Any **Proprietary information** (if applicable) should be uploaded as separate and distinct files.
- b. If it is the bidder's intent to submit multiple bids, the bidder must clearly identify each submission separately (see "Electronic ITB File Names" below).
- c. It is the Bidder's responsibility to submit the Electronic Bid(s) and be received by the date and time of the Bid Opening indicated in the Schedule of Events.
- d. **No late Bids will be accepted.**
- e. **Hardware, software, internet, user, or electronic issues will not excuse a late bid.**

3. **ELECTRONIC ITB FILE NAMES**

- a. The Bidder should clearly identify the uploaded Bid files.
- b. **Do not submit bid file(s) more than 30 days prior to the Bid Opening. Once file(s) are uploaded they are only available for 30 days.**
- c. **DO NOT ADD any language to the naming conventions below.** Long titles can make the files difficult to work with. Consistency is key.
- d. If the bidder submits the bid/bid documents as **one (1) complete packet (preferred method)**, please use the following naming convention:
 - **6742 OF Articulated AWD Loader-Min 2.7 CY Bucket <<NAME OF BIDDER>> Bid.**
- e. If the bidder submits the bid/bid documents as separate files, please use the following naming convention(s):
 - **6742 OF Articulated AWD Loader-Min 2.7 CY Bucket <<NAME OF BIDDER>> Bid.**
 - **6742 OF Articulated AWD Loader-Min 2.7 CY Bucket <<NAME OF BIDDER>> File 1, File 2, File 3, etc....**
- f. If multiple bids are submitted for the same ITB number, follow the same naming convention as letter "e", for example:
 - **6742 OF Articulated AWD Loader-Min 2.7 CY Bucket <<NAME OF BIDDER>> Bid 2, File 1, File 2, File 3, etc....**

The ITB document must be manually signed in an indelible manner or by DocuSign and returned by the Bid Opening Date and Time along with the Bidder's bid and any other required documents as stated in the ITB document in order for the Bidder's ITB to be evaluated.

It is the responsibility of the Bidder to check the website often for all information relevant to this ITB to include Addenda and/or Amendments issued prior to the Opening Date and Time. The website address is: <https://das.nebraska.gov/materiel/bidopps.html>

Emphasis Should be concentrated on conformance to the ITB. Bids Should be clear and complete. If the bid is not presented clearly or is difficult to discern, in the sole opinion of the State, the State reserves the right to reject the bid.

By signing the ITB, the Bidder guarantees compliance with the provisions stated in this ITB.

I. **BID PREPARATION COSTS**

The State shall not incur any liability for any costs incurred by Bidders in replying to this bid, including any activity related to bidding on this bid.

J. **FAILURE TO COMPLY WITH ITB**

Violation of the terms and conditions contained in this bid or any resultant contract, at any time before or after the award, shall be grounds for action by the State which may include, but is not limited to, the following:

- 1. Rejection of a Bidder's bid;
- 2. Withdrawal of the Intent to Award;
- 3. Withdrawal of the Award;
- 4. Negative Bidder Performance Report(s)
- 5. Termination of the resulting contract;
- 6. Legal action; or,
- 7. Suspension of the Bidder from further bidding with the State for the period of time relative to the seriousness of the violation, such period to be within the sole discretion of the State.

K. BID CORRECTIONS

A bidder may correct a mistake in a bid prior to the time of opening by giving written notice to the State of intent to withdraw the bid for modification or to withdraw the bid completely. Changing a bid after opening may be permitted if the change is made to correct a minor error that does not affect price, quantity, quality, delivery, or contractual conditions. In case of a mathematical error in extension of price, unit price shall govern.

L. LATE BIDS

Bids received after the time and date of the bid opening will be considered late bids. Late bids will be returned unopened, if requested by the Bidder and at Bidder's expense. The State is not responsible for bids that are late or lost regardless of cause or fault.

M. BID OPENING

Anyone may attend the opening. It is considered a public opening. The Buyer will read the names of the respondents. Depending upon the complexity of the bid for goods, the buyer may read the bids aloud or allow bids to be available for viewing by the public during the bid opening. Once the bid opening has concluded, the bids will not be available for viewing until the Intent to Award has been posted. An initial bid tabulation will be posted to the website as soon as feasible. Information identified as proprietary by the submitting bidder, in accordance with the bid and state statute, will not be posted. If the state determines submitted information should not be withheld, in accordance with the [Public Records Act](#), or if ordered to release any withheld information, said information may then be released. The submitting bidder will be notified of the release and it shall be the obligation of the submitting bidder to take further action if it believes the information should not be released.

N. ITB REQUIREMENTS

The bids will first be examined to determine if all requirements listed below have been addressed and whether further evaluation is warranted. Bids not meeting the requirements may be rejected as non-responsive. The requirements are:

1. The original Commodity ITB document must be manually signed in an indelible manner or by DocuSign;
2. Clarity and responsiveness of the bid;
3. Completed Sections II through VII;
4. Completed ITB Form or State's Bid Sheet.

O. EVALUATION OF BIDS

All bids that are responsive to the bid will be evaluated based on the following:

Neb. Rev. Stat. § 81-161 allows the quality of performance of previous contracts to be considered when evaluating responses to competitively bid bids in determining the lowest responsible bidder. Information obtained from any Bidder Performance Report (See Terms & Conditions, Section H) may be used in evaluating responses to bids for goods and services to determine the best value for the State.

Neb. Rev. Stat. § 73-107 allows for a preference for a resident disabled veteran or business located in a designated enterprise zone. When a state contract is to be awarded to the lowest responsible bidder, a resident disabled veteran or a business located in a designated enterprise zone under the Enterprise Zone Act shall be allowed a preference over any other resident or nonresident bidder, if all other factors are equal.

Resident disabled veterans means any person (a) who resides in the State of Nebraska, who served in the United States Armed Forces, including any reserve component or the National Guard, who was discharged or otherwise separated with a characterization of honorable or general (under honorable conditions), and who possesses a disability rating letter issued by the United States Department of Veterans Affairs establishing a service-connected disability or a disability determination from the United States Department of Defense and (b)(i) who owns and controls a business or, in the case of a publicly owned business, more than fifty percent of the stock is owned by one or more persons described in subdivision (a) of this subsection and (ii) the management and daily business operations of the business are controlled by one or more persons described in subdivision(a) of this subsection. Any contract entered into without compliance with this section shall be null and void.

Therefore, if a resident disabled veteran or business located in a designated enterprise zone submits a bid in accordance with Neb. Rev. Stat. § 73-107 and has so indicated on the ITB cover page under "Bidder must complete the following" requesting priority/preference to be considered in the award of this contract, the following will need to be submitted by the bidder within ten (10) business days of request:

1. Documentation from the United States Armed Forces confirming service;
2. Documentation of discharge or otherwise separated characterization of honorable or general (under honorable conditions);
3. Disability rating letter issued by the United States Department of Veterans Affairs establishing a service-connected disability or a disability determination from the United States Department of Defense; and
4. Documentation which shows ownership and control of a business or, in the case of a publicly owned business, more than fifty percent of the stock is owned by one or more persons described in subdivision (a) of this subsection; and the management and daily business operations of the business are controlled by one or more persons described in subdivision (a) of this subsection.

Failure to submit the requested documentation within ten (10) business days of notice will disqualify the bidder from consideration of the preference.

P. BEST AND FINAL OFFER

If BAFOs are requested by the State and submitted by the bidder, they will be evaluated (using the stated BAFO criteria) and ranked by the Evaluation Committee. The State reserves the right to conduct more than one BAFO. The award will then be granted to the lowest responsible bidder. However, a bidder should provide its best offer in its original bid. Bidders should not expect that the State will request a BAFO.

Q. REFERENCE AND CREDIT CHECKS

The State reserves the right to conduct and consider reference and credit checks. The State reserves the right to use third parties to conduct reference and credit checks. By submitting a bid in response to this bid, the bidder grants to the State the right to contact or arrange a visit in person with any or all of the bidder's clients. Reference and credit checks may be grounds to reject a bid, withdraw an intent to award, or rescind the award of a contract.

R. AWARD

The State reserves the right to evaluate bids and award contracts in a manner utilizing criteria selected at the State's discretion and in the State's best interest. After evaluation of the bids, or at any point in the bid process, the State of Nebraska may take one (1) or more of the following actions:

1. Amend the bid;
2. Extend the time of or establish a new bid opening time;
3. Waive deviations or errors in the State's bid process and in bidder bids that are not material, do not compromise the bid process or a bidder's bid, and do not improve a bidder's competitive position;
4. Accept or reject a portion of or all of a bid;
5. Accept or reject all bids;
6. Withdraw the bid;
7. Elect to rebid the bid;
8. Award single lines or multiple lines to one (1) or more bidders; or,
9. Award one (1) or more all-inclusive contracts.

The State of Nebraska may consider, but is not limited to considering, one (1) or more of the following award criteria:

1. Price;
2. Location;
3. Quality;
4. Delivery time;
5. Bidder qualifications and capabilities; and,
6. State contract management requirements and/or costs.

The bid does not commit the State to award a contract. Once intent to award decision has been determined, it will be posted to the Internet at:

<https://das.nebraska.gov/materiel/bidopps.html>

Any protests must be filed by a bidder within ten (10) business days after the intent to award decision is posted to the Internet. Grievance and protest procedure is available on the Internet at:

<https://das.nebraska.gov/forms/index.html#mat>

S. DISCOUNTS

Prices quoted shall be inclusive of ALL trade discounts. Cash discount terms of less than thirty (30) days will not be considered as part of the bid. Cash discount periods will be computed from the date of receipt of a properly executed claim voucher or the date of completion of delivery of all items in a satisfactory condition, whichever is later.

T. PRICES

Prices quoted shall be net, **including transportation and delivery charges fully prepaid by the Vendor**, and FOB Destination as named in the ITB. **No additional charges will be allowed for packing, packages, or partial delivery costs.** When an arithmetic error has been made in the extended total the unit price will govern.

All prices, costs, and terms and conditions submitted in the bid shall remain fixed and valid commencing on the opening date of the bid and shall remain firm for the first one hundred twenty (120) days of the contract award.

Requests for an increase must be submitted in writing to SPB. SPB has a minimum of thirty (30) days to review and award any Price increase or decrease (after documentation is approved). Documentation will be required by the State to support the price increase.

The State reserves the right to deny any requested price increase.

No price increases are to be billed to the State prior to an Amendment to the Contract, which has been signed and completed by both the State and the awarded bidder, the Amendment is posted to the State Purchasing Bureau website and written notice has been given to both the State and the awarded bidder.

The State will be given full proportionate benefit of any decreases for the term of the contract.

U. SPECIFICATIONS

Any manufacturer's names, trade names, brand names, information and/or catalog numbers listed in a specification are for reference and not intended to limit competition but will be used as the standard by which equivalent material offered will be judged. The Materiel Administrator will be the sole judge of equivalency. The Bidder may offer any brands which meets or exceeds the specification. When a specific product is required, the bid will so state. Any item bid is to be the latest current model under standard production at the time of order. No used or refurbished equipment will be accepted, unless otherwise stated.

V. ALTERNATE/EQUIVALENT BIDS

Bidder may offer bids which are at variance from the express specifications of the solicitation. The State reserves the right to consider and accept such bids if, in the judgment of the Materiel Administrator, the bid will result in goods and/or services equivalent to or better than those which would be supplied in the original bid specifications. Bidder must indicate on the solicitation the manufacturer's name, number and shall submit with their bid, sketches, descriptive literature and/or complete specifications. Reference to literature submitted with a previous bid will not satisfy this provision. Bids which do not comply with these requirements are subject to rejection. In the absence of any stated deviation or exception, the bid will be accepted as in strict compliance with all terms, conditions and specification, and the Bidder shall be held liable, therefore.

W. "LUMP SUM" OR "ALL OR NONE" BIDS

The State reserves the right to purchase "item-by-item", by groups or as a total when the State may benefit by so doing. Bidders may submit a bid on an "all or none" or "lump sum" basis but should also submit a bid on an "item-by-item" basis. The term "all or none" means a conditional bid which requires the purchase of all items on which bids are offered and Bidder declines to accept award on individual items; a "lump sum" bid is one in which the Bidder offers a lower price than the sum of the individual bids if all items are purchased but agrees to deliver individual items at the prices quoted.

"LUMP SUM" OR "ALL OR NONE" BIDS SHOULD BE CONSPICUOUSLY MARKED ON THE FIRST PAGE OF THE ITB AND BID SHEET (IF APPLICABLE)

X. EMAIL SUBMISSIONS

SPB will not accept bids by email, electronic, voice, or telephone bids **except** for one-time purchases under \$50,000.00.

Y. BID TABULATIONS

Bid tabulations are available on the website at: [https://das.nebraska.gov/materiel/bidopos.htm!](https://das.nebraska.gov/materiel/bidopos.htm)

Z. REJECTION OF BIDS

The State reserves the right to reject any or all bids, wholly or in part, in the best interest of the State.

AA. RESIDENT BIDDER

Pursuant to Neb. Rev. Stat. §§ 73-101.01 through 73-101.02, a Resident Bidder shall be allowed a preference against a Non-resident Bidder from a state which gives or requires a preference to Bidders from that state. The preference shall be equal to the preference given or required by the state of the Nonresident Bidders. Where the lowest responsible bid from a resident Bidder is equal in all respects to one from a nonresident Bidder from a state which has no preference law, the resident Bidder shall be awarded the contract. The provision of this preference shall not apply to any contract for any project upon which federal funds would be withheld because of the provisions of this preference.

II. TERMS AND CONDITIONS

Bidders should complete Section II through VIII as part of their bid. Bidder is expected to read the Terms and Conditions and must initial either accept, reject, or reject and provide alternative language for each clause. The Bidder should also provide an explanation of why the Bidder rejected the clause or rejected the clause and provided alternate language using "Track Changes". Upon request an electronic copy of the bid with "Track Changes" must be submitted in an editable Word format. By signing the bid, Bidder is agreeing to be legally bound by all the accepted terms and conditions, and any proposed alternative terms and conditions submitted with the bid. The State reserves the right to negotiate rejected or proposed alternative language. If the State and Bidder fail to agree on the final Terms and Conditions, the State reserves the right to reject the bid. The State is soliciting bids in response to the bid. The State reserves the right to reject bids that attempt to substitute the Bidder's commercial contracts and/or documents for this bid.

The Bidder should submit with their bid any license, user agreement, service level agreement, or similar documents that the Bidder wants incorporated in the Contract. Upon notice of Intent to Award, the Bidder must submit a copy of these documents in an editable Word format. The State will not consider incorporation of any document not submitted with the Bidder's bid. These documents shall be subject to negotiation and will be incorporated as addendums if agreed to by the Parties.

If a conflict or ambiguity arises after the addendums have been negotiated and agreed to, the addendums shall be interpreted as follows:

1. If only one (1) Party's document has a particular clause, then that clause shall control;
2. If both Party's documents have a similar clause, but the clauses do not conflict, the clauses shall be read together;
3. If both Party's documents have a similar clause, but the clauses conflict, the State's clause shall control.

A. GENERAL

Accept (Initial)	Reject (Initial)	Reject & Provide Alternative Response (Initial)	NOTES/COMMENTS:
AB			

The contract resulting from this bid shall incorporate the following documents. These documents constitute the entirety of the contract:

1. ITB and Addenda;
2. Amendments to the bid;
3. Questions and Answers;
4. Bidder's bid response;
5. The executed Contract and any Addenda, if applicable, and properly submitted documents; and,
6. Amendments to the Contract

Unless otherwise specifically stated in a future contract amendment, in case of any conflict between the incorporated documents, the documents shall govern in the following order of preference with number one (1) receiving preference over all other documents and with each lower numbered document having preference over any higher numbered document: 1) Amendment to the executed Contract with the most recent dated amendment having the highest priority, 2) executed Contract and any attached Addenda, 3) Amendments to bid and any Questions and Answers, 4) the original bid document and any Addenda, and 5) the Bidder's submitted Bid. Any ambiguity or conflict in the contract discovered after its execution, not otherwise addressed herein, shall be resolved in accordance with the rules of contract interpretation as established in the State.

B. NOTIFICATION

Accept (Initial)	Reject (Initial)	Reject & Provide Alternative Response (Initial)	NOTES/COMMENTS:
AB			

Communication regarding the executed contract shall be given in writing and deemed to have been delivered via email to the specified Contract Contact information provided on the submitted ITB form with the submitted bid(s). The Vendor should send written notice to the SPB. The State will send notices to the authorized contact provided on the ITB form. Either party may change its address for notification purposes by giving notice of the change and setting forth the new address and an effective date.

C. PCO REPRESENTATIVE

The State reserves the right to appoint a PCO's Representative to manage [or assist the PCO in managing] the contract on behalf of the State. The PCO's Representative will be appointed in writing, and the appointment document will specify the extent of the PCO's Representative authority and responsibilities. If a PCO's Representative is appointed, the Bidder will be provided a copy of the appointment document and is expected to cooperate accordingly with the PCO's Representative. The PCO's Representative has no authority to bind the State to a contract, amendment, addendum, or other change or addition to the contract.

D. GOVERNING LAW (Statutory)

Notwithstanding any other provision of this contract, or any amendment or addendum(s) entered into contemporaneously or at a later time, the parties understand and agree that, (1) the State of Nebraska is a sovereign state and its authority to contract is therefore subject to limitation by the State's Constitution, statutes, common law, and regulation; (2) this contract will be interpreted and enforced under the laws of the State of Nebraska; (3) any action to enforce the provisions of this contract must be brought in the State of Nebraska per state law; (4) the person signing this contract on behalf of the State of Nebraska does not have the authority to waive the State's sovereign immunity, statutes, common law, or regulations; (5) the indemnity, limitation of liability, remedy, and other similar provisions of the final contract, if any, are entered into subject to the State's Constitution, statutes, common law, regulations, and sovereign immunity; and, (6) all terms and conditions of the final contract, including but not limited to the clauses concerning third-party use, licenses, warranties, limitations of liability, governing law and venue, usage verification, indemnity, liability, remedy or other similar provisions of the final contract are entered into specifically subject to the State's Constitution, statutes, common law, regulations, and sovereign immunity. The Parties must comply with all applicable local, state, and federal laws, ordinances, rules, orders, and regulations.

E. AMENDMENT

This Contract may be amended in writing, within scope, upon the agreement of both parties.

F. SUBSTITUTIONS

Accept (Initial)	Reject (Initial)	Reject & Provide Alternative Response (Initial)	NOTES/COMMENTS:
AP			

In the event any product is discontinued or replaced upon mutual consent during the contract period or prior to delivery, the State reserves the right to amend the contract or purchase order to include the alternate product at the same price.

If the Vendor requests to substitute any contracted item and the substitute meets or exceeds the original specifications, the State may accept or reject the substitution.

If the Vendor requests to substitute any contracted item, which meets or exceeds the original specifications, and the cost of the substitute is higher, the State may accept or reject the substitution and price change.

If the State and the Vendor do not agree to the requested substitution and price change, the Contract may be terminated immediately by the State. In the event any product is discontinued or replaced upon mutual consent and prior to delivery during the Contract Period the State reserves the right to amend the contract or purchase order to include the alternate product.

*****Bidder will not substitute any item that has been awarded without prior written approval of SPB*****

G. VENDOR PERFORMANCE REPORT(S)

Accept (Initial)	Reject (Initial)	Reject & Provide Alternative Response (Initial)	NOTES/COMMENTS:
AP			

The State may document any instance(s) of products or services delivered or performed which exceed or fail to meet the terms of the purchase order, contract, and/or bid specifications. The State Purchasing Bureau may contact the Bidder regarding any such report. Bidder performance report(s) will become a part of the permanent record of the Bidder.

H. NOTICE OF POTENTIAL BIDDER BREACH

Accept (Initial)	Reject (Initial)	Reject & Provide Alternative Response (Initial)	NOTES/COMMENTS:
AP			

If Bidder breaches the contract or anticipates breaching the contract, the Bidder shall immediately give written notice to the State. The notice shall explain the breach or potential breach, a proposed cure, and may include a request for a waiver of the breach if so desired. The State may, in its discretion, temporarily or permanently waive the breach. By granting a waiver, the State does not forfeit any rights or remedies to which the State is entitled by law or equity, or pursuant to the provisions of the contract. Failure to give immediate notice, however, may be grounds for denial of any request for a waiver of a breach.

I. BREACH

Accept (Initial)	Reject (Initial)	Reject & Provide Alternative Response (Initial)	NOTES/COMMENTS:
AP			

Either Party may terminate the contract, in whole or in part, if the other Party breaches its duty to perform its obligations under the contract in a timely and proper manner. Termination requires written notice of default and a thirty (30) calendar day (or longer at the non-breaching Party's discretion considering the gravity and nature of the default) cure period. Said notice shall be delivered by Certified Mail, Return Receipt Requested, or in person with proof of delivery. Allowing time to cure a failure or breach of contract does not waive the right to immediately terminate the contract for the same or different contract breach which may occur at a different time.

In case of breach by the Bidder, the State may, without unreasonable delay, make a good faith effort to make a reasonable purchase or contract to purchased goods in substitution of those due from the bidder. The State may recover from the Bidder as damages the difference between the costs of covering the breach. Notwithstanding any clause to the contrary, the State may also recover the contract price together with any incidental or consequential damages defined in UCC Section 2-715, but less expenses saved in consequence of Bidder's breach. OR In case of default of the Bidder, the State may contract the service from other sources and hold the Bidder responsible for any excess cost occasioned thereby.

The State's failure to make payment shall not be a breach, and the Bidder shall retain all available statutory remedies. (See Indemnity - Self-Insurance and Payment)

J. NON-WAIVER OF BREACH

Accept (Initial)	Reject (Initial)	Reject & Provide Alternative Response (Initial)	NOTES/COMMENTS:
AP			

The acceptance of late performance with or without objection or reservation by a Party shall not waive any rights of the Party nor constitute a waiver of the requirement of timely performance of any obligations remaining to be performed.

K. SEVERABILITY

Accept (Initial)	Reject (Initial)	Reject & Provide Alternative Response (Initial)	NOTES/COMMENTS:
AP			

If any term or condition of the contract is declared by a court of competent jurisdiction to be illegal or in conflict with any law, the validity of the remaining terms and conditions shall not be affected, and the rights and obligations of the parties shall be construed and enforced as if the contract did not contain the provision held to be invalid or illegal.

L. INDEMNIFICATION

Accept (Initial)	Reject (Initial)	Reject & Provide Alternative Response (Initial)	NOTES/COMMENTS:
AP			

1. GENERAL

The Bidder agrees to defend, indemnify, and hold harmless the State and its employees, volunteers, agents, and its elected and appointed officials ("the indemnified parties") from and against any and all claims, liens, demands, damages, liability, actions, causes of action, losses, judgments, costs, and expenses of every nature, including investigation costs and expenses, settlement costs, and attorney fees and expenses ("the claims"), sustained or asserted against the State for personal injury, death, or property loss or damage, arising out of, resulting from, or attributable to the willful misconduct, negligence, error, or omission of the Bidder, its employees, Subcontractors, consultants, representatives, and agents, resulting from this contract, except to the extent such Bidder liability is attenuated by any action of the State which directly and proximately contributed to the claims.

2. SELF-INSURANCE (Statutory)

The State is self-insured for any loss and purchases excess insurance coverage pursuant to Neb. Rev. Stat. § 81-8,239.01 (Reissue 2008). If there is a presumed loss under the provisions of this contract, Bidder may file a claim with the Office of Risk Management pursuant to Neb. Rev. Stat. §§ 81-8,829 through 81-8,306 for review by the State Claims Board. The State retains all rights and immunities under the State Miscellaneous (Section 81-8,294), Tort (Section 81-8,209), and Contract Claim Acts (Section 81-8,302), as outlined in Neb. Rev. Stat. § 81-8,209 et seq. and under any other provisions of law and accepts liability under this contract to the extent provided by law.

M. ATTORNEY'S FEES

Accept (Initial)	Reject (Initial)	Reject & provide Alternative Response (Initial)	NOTES/COMMENTS:
AP			

In the event of any litigation, appeal, or other legal action to enforce any provision of the contract, the Parties agree to pay all expenses of such action, as permitted by law and if ordered by the court, including attorney's fees and costs, if the other party prevails.

N. ASSIGNMENT, SALE, OR MERGER

Accept (Initial)	Reject (Initial)	Reject & Provide Alternative Response (Initial)	NOTES/COMMENTS:
AP			

Either party may assign the contract upon mutual written agreement of the other party. Such agreement shall not be unreasonably withheld.

The Bidder retains the right to enter into a sale, merger, acquisition, internal reorganization, or similar transaction involving Bidder's business. Bidder agrees to cooperate with the State in executing amendments to the contract to allow for the transaction. If a third party or entity is involved in the transaction, the Bidder will remain responsible for performance of the contract until such time as the person or entity involved in the transaction agrees in writing to be contractually bound by this contract and perform all obligations of the contract.

O. CONTRACTING WITH OTHER POLITICAL SUB-DIVISIONS OF THE STATE OR ANOTHER STATE

Accept (Initial)	Reject (Initial)	Reject & Provide Alternative Response (Initial)	NOTES/COMMENTS:
AP			

The Bidder may, but shall not be required to, allow agencies, as defined in Neb. Rev. Stat. § 81-145, to use this contract. The terms and conditions, including price, of the contract may not be amended. The State shall not be contractually obligated or liable for any contract entered into pursuant to this clause.

The Bidder may, but shall not be required to, allow other states, agencies or divisions of other states, or political subdivisions of other states to use this contract. The terms and conditions, including price, of this contract shall apply to any such contract, but may be amended upon mutual consent of the Parties. The State of Nebraska shall not be contractually or otherwise obligated or liable under any contract entered into pursuant to this clause. The State shall be notified if a contract is executed based upon this contract.

P. FORCE MAJEURE

Accept (Initial)	Reject (Initial)	Reject & Provide Alternative Response (Initial)	NOTES/COMMENTS:
AP			

Neither party shall be liable for any costs or damages, or for default resulting from its inability to perform any of its obligations under the contract due to a natural or man-made event outside the control and not the fault of the affected party ("Force Majeure Event"). The Party so affected shall immediately make a written request for relief to the other party and shall have the burden of proof to justify the request. The other Party may grant the relief requested; relief may not be unreasonably withheld. Labor disputes with the impacted party's own employees will not be considered a Force Majeure Event.

Q. CONFIDENTIALITY

Accept (Initial)	Reject (Initial)	Reject & Provide Alternative Response (Initial)	NOTES/COMMENTS:
AP			

All materials and information provided by the Parties or acquired by a Party on behalf of the other Party shall be regarded as confidential information. All materials and information provided or acquired shall be handled in accordance with federal and state law, and ethical standards. Should said confidentiality be breached by a Party, the Party shall notify the other Party immediately of said breach and take immediate corrective action.

It is incumbent upon the Parties to inform their officers and employees of the penalties for improper disclosure imposed by the Privacy Act of 1974, 5 U.S.C. 552a. Specifically, 5 U.S.C. 552a (i)(1), which is made applicable by 5 U.S.C. 552a (m)(1), provides that any officer or employee, who by virtue of his/her employment or official position has possession of or access to agency records which contain individually identifiable information, the disclosure of which is prohibited by the Privacy Act or regulations established thereunder, and who knowing that disclosure of the specific material is prohibited, willfully discloses the material in any manner to any person or agency not entitled to receive it, shall be guilty of a misdemeanor and fined not more than \$5,000.00.

R. EARLY TERMINATION

Accept (Initial)	Reject (Initial)	Reject & Provide Alternative Response (Initial)	NOTES/COMMENTS:
AP			

The contract may be terminated as follows:

1. The State and the Bidder, by mutual written agreement, may terminate the contract at any time.
2. The State, at its sole discretion, may terminate the contract for any reason upon thirty (30) calendar day's written notice to the Bidder. Such termination shall not relieve the Bidder of warranty or other service obligations incurred under the terms of the contract. In the event of termination, the Bidder shall be entitled to payment, determined on a pro rata basis, for products or services satisfactorily performed or provided.
3. The State may terminate the contract immediately for the following reasons:
 - a. if directed to do so by statute;
 - b. Bidder has made an assignment for the benefit of creditors, has admitted in writing its inability to pay debts as they mature, or has ceased operating in the normal course of business;
 - c. a trustee or receiver of the Bidder or of any substantial part of the Bidder's assets has been appointed by a court;
 - d. fraud, misappropriation, embezzlement, malfeasance, misfeasance, or illegal conduct pertaining to performance under the contract by its Bidder, its employees, officers, directors, or shareholders;
 - e. an involuntary proceeding has been commenced by any party against the Bidder under any one of the chapters of Title 11 of the United States Code and (i) the proceeding has been pending for at least sixty (60) calendar days; or (ii) the Bidder has consented, either expressly or by operation of law, to the entry of an order for relief; or (iii) the Bidder has been decreed or adjudged a debtor;
 - f. a voluntary petition has been filed by the Bidder under any of the chapters of Title 11 of the United States Code;

- g.** Bidder intentionally discloses confidential information;
- h.** Bidder has or announces it will discontinue support of the deliverable; and,
- i.** In the event funding is no longer available.

III. BIDDER DUTIES

A. INDEPENDENT BIDDER / OBLIGATIONS

Accept (Initial)	Reject (Initial)	Reject & provide Alternative Response (Initial)	NOTES/COMMENTS:
AP			

It is agreed that the Bidder is an independent bidder and that nothing contained herein is intended or should be construed as creating or establishing a relationship of employment, agency, or a partnership.

The Bidder is solely responsible for fulfilling the contract. The Bidder or the Bidder's representative shall be the sole point of contact regarding all contractual matters.

The Bidder shall secure, at its own expense, all personnel required to perform the services under the contract. The personnel the Bidder uses to fulfill the contract shall have no contractual or other legal relationship with the State; they shall not be considered employees of the State and shall not be entitled to any compensation, rights, or benefits from the State, including but not limited to, tenure rights, medical and hospital care, sick and vacation leave, severance pay, or retirement benefits.

By-name personnel commitments made in the Bidder's bid shall not be changed without the prior written approval of the State. Replacement of these personnel, if approved by the State, shall be with personnel of equal or greater ability and qualifications.

The Bidder warrants that all persons assigned to the project shall be employees of the Bidder or a Subcontractor and shall be fully qualified to perform the work required herein. Personnel employed by the Bidder or a subcontractor to fulfill the terms of the contract shall remain under the sole direction and control of the Bidder or the subcontractor respectively.

With respect to its employees, the Bidder agrees to be solely responsible for the following:

1. Any and all pay, benefits, and employment taxes and/or other payroll withholding;
2. Any and all vehicles used by the Bidder's employees, including all insurance required by state law;
3. Damages incurred by Bidder's employees within the scope of their duties under the contract;
4. Maintaining Workers' Compensation and health insurance that complies with state and federal law and submitting any reports on such insurance to the extent required by governing law;
5. Determining the hours to be worked and the duties to be performed by the Bidder's employees; and,
6. All claims on behalf of any person arising out of employment or alleged employment (including without limit claims of discrimination alleged against the Bidder, its officers, agents, or subcontractors or subcontractor's employees).

If the Bidder intends to utilize any subcontractor, the Subcontractor's level of effort, tasks, and time allocation must be clearly defined in the Bidder's bid. The Bidder shall agree that it will not utilize any Subcontractors not specifically included in its bid in the performance of the contract without the prior written authorization of the State.

The State reserves the right to require the Bidder to reassign or remove from the project any Bidder or Subcontractor employee.

Bidder shall insure that the terms and conditions contained in any contract with a sub-contractor does not conflict with the terms and conditions of this contract.

The Bidder shall include a similar provision, for the protection of the State, in the contract with any Subcontractor engaged to perform work on this contract.

B. EMPLOYEE WORK ELIGIBILITY STATUS

The Bidder is required and hereby agrees to use a federal immigration verification system to determine the work eligibility status of employees physically performing work within the State. A federal immigration verification system means the electronic verification of the work authorization program authorized by the Illegal Immigration Reform and Immigrant Responsibility Act of 1996, 8 U.S.C. 1324a, known as the E-Verify Program, or an equivalent federal program designated by the United States Department of Homeland Security or other federal agency authorized to verify the work eligibility status of an employee.

If the Bidder is an individual or sole proprietorship, the following applies:

1. The Bidder must complete the United States Citizenship Attestation Form, available on the DAS website at <http://das.nebraska.gov/material/purchasing.html>

The completed United States Attestation Form should be submitted with the bid response.

2. If the Bidder indicates on such attestation form that he or she is a qualified alien, the Bidder agrees to provide the U.S. Citizenship and Immigration Services documentation required to verify the Bidder's lawful presence in the United States using the Systematic Alien Verification for Entitlements (SAVE) Program.

3. The Bidder understands and agrees that lawful presence in the United States is required, and the Bidder may be disqualified, or the contract terminated if such lawful presence cannot be verified as required by Neb. Rev. Stat. § 4-108.

C. COMPLIANCE WITH CIVIL RIGHTS LAWS AND EQUAL OPPORTUNITY EMPLOYMENT / NONDISCRIMINATION (Statutory)

The Bidder shall comply with all applicable local, state, and federal statutes and regulations regarding civil rights laws and equal opportunity employment. The Nebraska Fair Employment Practice Act prohibits Bidders of the State, and their Subcontractors, from discriminating against any employee or applicant for employment, with respect to hire, tenure, terms, conditions, compensation, or privileges of employment because of race, color, religion, sex, disability, marital status, or national origin (Neb. Rev. Stat. §§ 48-1101 through 48-1125). The Bidder guarantees compliance with the Nebraska Fair Employment Practice Act, and breach of this provision shall be regarded as a material breach of contract. The Bidder shall insert a similar provision in all Subcontracts for goods or services to be covered by any contract resulting from this bid.

D. COOPERATION WITH OTHER BIDDERS

Accept (Initial)	Reject (Initial)	Reject & Provide Alternative Response (Initial)	NOTES/COMMENTS:
AR			

Bidder may be required to work with or in close proximity to other bidders or individuals that may be working on the same or different projects. The Bidder shall agree to cooperate with such other bidders or individuals and shall not commit or permit any act which may interfere with the performance of work by any other bidder or individual. Bidder is not required to compromise Bidder's intellectual property or proprietary information unless expressly required to do so by this contract.

E. COST CLARIFICATION

The State reserves the right to review all aspects of cost for reasonableness and to request clarification of any bid where the cost component shows significant and unsupported deviation from industry standards or in areas where detailed pricing is required.

F. PERMITS, REGULATIONS, LAWS

Accept (Initial)	Reject (Initial)	Reject & Provide Alternative Response (Initial)	NOTES/COMMENTS:
AR			

The contract price shall include the cost of all royalties, licenses, permits, and approvals, whether arising from patents, trademarks, copyrights or otherwise, that are in any way involved in the contract. The Bidder shall obtain and pay for all royalties, licenses, and permits, and approvals necessary for the performance of the contract. The Bidder must guarantee that it has the full legal right to the materials, supplies, equipment, software, and other items used to execute this contract.

G. NOTICE OF POTENTIAL BIDDER BREACH

Accept (Initial)	Reject (Initial)	Reject & Provide Alternative Response (Initial)	NOTES/COMMENTS:
AR			

If Bidder breaches the contract or anticipates breaching the contract the Bidder shall immediately give written notice to the State. The notice shall explain the breach or potential breach and may include a request for a waiver of the breach if so desired. The State may, at its discretion, temporarily or permanently waive the breach. By granting a temporary waiver, the State does not forfeit any rights or remedies to which the State is entitled by law or equity, or pursuant to the provisions of the contract. Failure to give immediate notice, however, may be grounds for denial of any request for a waiver of a breach.

H. ANTITRUST

Accept (Initial)	Reject (Initial)	Reject & Provide Alternative Response (Initial)	NOTES/COMMENTS:
AR			

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The Bidder hereby assigns to the State any and all claims for overcharges as to goods and/or services provided in connection with this contract resulting from antitrust violations which arise under antitrust laws of the United States and the antitrust laws of the State.

I. CONFLICT OF INTEREST

Accept (Initial)	Reject (Initial)	Reject & Provide Alternative Response (Initial)	NOTES/COMMENTS:
AP			

By submitting a bid, bidder certifies that no relationship exists between the bidder and any person or entity which either is, or gives the appearance of, a conflict of interest related to this Request for Bid or project.

Bidder further certifies that bidder will not employ any individual known by bidder to have a conflict of interest nor shall bidder take any action or acquire any interest, either directly or indirectly, which will conflict in any manner or degree with the performance of its contractual obligations hereunder or which creates an actual or appearance of conflict of interest.

If there is an actual or perceived conflict of interest, bidder shall provide with its bid a full disclosure of the facts describing such actual or perceived conflict of interest and a proposed mitigation plan for consideration. The State will then consider such disclosure and proposed mitigation plan and either approve or reject as part of the overall bid evaluation.

J. ADVERTISING

Accept (Initial)	Reject (Initial)	Reject & Provide Alternative Response (Initial)	NOTES/COMMENTS:
AP			

The Bidder agrees not to refer to the contract award in advertising in such a manner as to state or imply that the company or its goods and services are endorsed or preferred by the State. Any publicity releases pertaining to the project shall not be issued without prior written approval from the State.

K. NEBRASKA TECHNOLOGY ACCESS STANDARDS (Statutory)

Bidder shall review the Nebraska Technology Access Standards, found at <http://nitc.nebraska.gov/standards/2-201.html> and ensure that products and/or goods provided under the contract are in compliance or will comply with the applicable standards to the greatest degree possible. In the event such standards change during the Bidder's performance, the State may create an amendment to the contract to request the contract comply with the changed standard at a cost mutually acceptable to the parties.

L. DISASTER RECOVERY/BACK UP PLAN

Accept (Initial)	Reject (Initial)	Reject & Provide Alternative Response (Initial)	NOTES/COMMENTS:
AP			

The Bidder shall have a disaster recovery and back-up plan, of which a copy should be provided upon request to the State, which includes, but is not limited to equipment, personnel, facilities, and transportation, to continue delivery of goods and services as specified under the specifications in the contract in the event of a disaster.

M. DRUG POLICY

Accept (Initial)	Reject (Initial)	Reject & Provide Alternative Response (Initial)	NOTES/COMMENTS:
AP			

Bidder certifies it maintains a drug free workplace environment to ensure worker safety and workplace integrity. Bidder agrees to provide a copy of its drug free workplace policy at any time upon request by the State.

N. WARRANTY

Accept (Initial)	Reject (Initial)	Reject & Provide Alternative Response (Initial)	NOTES/COMMENTS:
AP			

Despite any clause to the contrary, the Bidder represents and warrants that its services hereunder shall be performed by competent personnel and shall be of professional quality consistent with generally accepted industry standards for the performance of such services and shall comply in all respects with the requirements of this Contract. For any breach of this warranty, the Bidder shall, for a period of ninety (90) days from performance of the service, perform the services again, at no cost to Customer, or if Bidder is unable to perform the services as warranted, Bidder shall reimburse Customer the fees paid to Bidder for the unsatisfactory services. The rights and remedies of the parties under this warranty are in addition to any other rights and remedies of the parties provided by law or equity, including, without limitation actual damages, and, as applicable and awarded under the law, to a prevailing party, reasonable attorneys' fees, and costs.

IV. PAYMENT

A. PROHIBITION AGAINST ADVANCE PAYMENT (Statutory)

Neb. Rev. Stat. § 81-2403 states, "[n]o goods or services shall be deemed to be received by an agency until all such goods or services are completely delivered and finally accepted by the agency."

B. TAXES (Statutory)

The State is not required to pay taxes and assumes no such liability as a result of this bid. The Bidder may request a copy of the Nebraska Department of Revenue, Nebraska Resale or Exempt Sale Certificate for Sales Tax Exemption, Form 13 for their records. Any property tax payable on the Bidder's equipment which may be installed in a state-owned facility is the responsibility of the Bidder.

C. INVOICES

Invoices for payments must be submitted by the Bidder to the agency requesting the services with sufficient detail to support payment. The terms and conditions included in the Bidder's invoice shall be deemed to be solely for the convenience of the parties. No terms or conditions of any such invoice shall be binding upon the State, and no action by the State, including without limitation the payment of any such invoice in whole or in part, shall be construed as binding or estopping the State with respect to any such term or condition, unless the invoice term or condition has been previously agreed to by the State as an amendment to the contract.

D. INSPECTION AND APPROVAL

Accept (Initial)	Reject (Initial)	Reject & Provide Alternative Response (Initial)	NOTES/COMMENTS:

Final inspection and approval of all work required under the contract shall be performed by the designated State officials.

The State and/or its authorized representatives shall have the right to enter any premises where the Bidder or Subcontractor duties under the contract are being performed, and to inspect, monitor or otherwise evaluate the work being performed. All inspections and evaluations shall be at reasonable times and in a manner that will not unreasonably delay work.

E. PAYMENT (Statutory)

Payment will be made by the responsible agency in compliance with the State of Nebraska Prompt Payment Act (See Neb. Rev. Stat. § 81-2403). The State may require the Bidder to accept payment by electronic means such as ACH deposit. In no event shall the State be responsible or liable to pay for any goods and services provided by the Bidder prior to the Effective Date of the contract, and the Bidder hereby waives any claim or cause of action for any such services.

F. LATE PAYMENT (Statutory)

The Bidder may charge the responsible agency interest for late payment in compliance with the State of Nebraska Prompt Payment Act (See Neb. Rev. Stat. §§ 81-2401 through 81-2408).

G. SUBJECT TO FUNDING / FUNDING OUT CLAUSE FOR LOSS OF APPROPRIATIONS (Statutory)

The State's obligation to pay amounts due on the Contract for a fiscal year following the current fiscal year is contingent upon legislative appropriation of funds. Should said funds not be appropriated, the State may terminate the contract with respect to those payments for the fiscal year(s) for which such funds are not appropriated. The State will give the Bidder written notice thirty (30) calendar days prior to the effective date of termination. All obligations of the State to make payments after the termination date will cease. The Bidder shall be entitled to receive just and equitable compensation for any authorized work which has been satisfactorily completed as of the termination date. In no event shall the Bidder be paid for a loss of anticipated profit.

H. RIGHT TO AUDIT (First Paragraph is Statutory)

Accept (Initial)	Reject (Initial)	Reject & Provide Alternative Response (Initial)	NOTES/COMMENTS:

The State shall have the right to audit the Bidder's performance of this contract upon a thirty (30) day written notice. Bidder shall utilize generally accepted accounting principles, and shall maintain the accounting records, and other records and information relevant to the contract (Information) to enable the State to audit the contract. (Neb. Rev. Stat. § 84-304 et seq.) The State may audit, and the Bidder shall maintain the information during the term of the contract and for a period of five (5) years after the completion of this contract or until all issues or litigation are resolved, whichever is later. The Bidder shall make the Information available to the State at Bidder's place of business or a location acceptable to both Parties during normal business hours. If this is not practical or the Bidder so elects, the Bidder may provide electronic or paper copies of the Information. The State reserves

the right to examine, make copies of, and take notes on any Information relevant to this contract, regardless of the form or the Information, how it is stored, or who possesses the Information. In no circumstances will bidder be required to create or maintain documents not kept in the ordinary course of bidder's business operations, nor will bidder be required to disclose any information, including but not limited to product cost data, which is confidential or proprietary to bidder.

The Parties shall pay their own costs of the audit unless the audit finds a previously undisclosed overpayment by the State. If a previously undisclosed overpayment exceeds two and one-half percent (2.5%) of the total contract billings, or if fraud, material misrepresentations, or non-performance is discovered on the part of the Bidder, the Bidder shall reimburse the State for the total costs of the audit. Overpayments and audit costs owed to the State shall be paid within ninety (90) days of written notice of the claim. The Bidder agrees to correct any material weaknesses or condition found as a result of the audit.

V. SCOPE OF WORK

A. SCOPE

It is the intent of this bid invitation to establish a contract to supply **Articulated AWD Loader with Minimum 2.7 CY Bucket** per the attached specifications from date of award for a period of One (1) year with the option to renew for an additional four (4) One (1) year periods when mutually agreeable to the bidder and the State. The State reserves the right to extend the period of this contract beyond the end date when mutually agreeable to the bidder and the State.

All items proposed shall be of the latest manufacture in production as of the date of the bid and be of proven performance and under standard design complete as regularly advertised and marketed. All necessary materials for satisfactory performance of the supplies shall be incorporated into the **Articulated AWD Loader with Minimum 2.7 CY Bucket** whether or not they may be specifically mentioned below.

Complete specifications, manufacturer's current descriptive literature and/or advertising data sheets with cuts or photographs must be included with the bid for the IDENTICAL items proposed. Any information necessary to show compliance with these specifications not given on the manufacturer's descriptive literature and/or advertising data sheets must be supplied in writing on or attached to the bid document. If manufacturer's information necessary to show compliance with these specifications is not attached to the bid document, the Bidder may be required to submit requested information within three (3) business days of a written request. Failure to submit requested descriptive literature or advertising data sheets may be grounds to reject the bid.

VI. TECHNICAL SPECIFICATIONS

A. BIDDER INSTRUCTIONS

Bidder must respond to each of the following statements. Specifications listed are minimum conditions that must be met in order for a Bidder to qualify for the award.

“YES” response means the Bidder guarantees they can meet this condition.

“NO” response means the Bidder cannot meet this condition and will not be considered.

“NO & PROVIDE ALTERNATIVE” responses should be used only with a narrative response in the “NOTES/COMMENTS” section explaining in detail any deviation from the Bidder’s ability to meet the condition, and an explanation of how this would be determined to be an acceptable alternative to meeting the condition. Alternatives must be detailed in such a way that allows such deviations to be fully evaluated. The State shall determine at its sole discretion whether or not the Bidder’s alternative is an acceptable alternative.

B. NON-COMPLIANCE STATEMENT

YES	NO	NO & PROVIDE ALTERNATIVE	
X			1. Read these specifications carefully.
X			2. Any and all exceptions to these specifications must be written on or attached to solicitation response.
X			3. Any noncompliance may void your bid. Non-compliance to any single specification can void your bid.
X			4. It is the responsibility of Bidders to obtain information and clarifications as provided below.
X			5. The State is not responsible for any erroneous or incomplete understandings or wrongful interpretations of this solicitation by any Bidder.
NOTES/COMMENTS:			

C. ENGINE

YES	NO	NO & PROVIDE ALTERNATIVE	
X			1. Diesel engine shall be a minimum of 6.6 Liters.
		FPT Net HP is 162	2. Engine shall have a minimum one hundred sixty-six (166) net horsepower developed at SAE J1349 or ISO 9249 under standard conditions with all accessories.
X			3. Cold starting aid of: Glow plugs; equivalent pre-heater; or ether injection of Turner LP535-1 or equivalent with cartridge required. Specify which item in the “NOTES/COMMENTS” section below.
X			4. Manufacturer’s recommended muffler, alternator, and starter.
X			5. Full flow, throw away type oil filter(s) required.
X			6. Turbo II or Centri brand pre-cleaner or equivalent OEM supplied rotary ejection style pre-cleaner required. Dual element air filtration is preferred.
X			7. Heavy-duty radiator guard and crankcase guard is desired.
X			8. Engine housing side panels or tilt hood required.
X			9. Manufacturer’s recommended type antifreeze protection to no less than thirty-four (34) degrees below zero Fahrenheit required.
X			10. A one hundred twenty (120) volt AC block heater with a sturdily mounted, male receptacle with cover that is conveniently located will be furnished in all water-cooled units.
X			11. Counter-balanced rain cap for exhaust preferred. Exhaust elbow is acceptable.

X			12. Specify fuel tank capacity in the "NOTES/COMMENTS" section below.
X			13. Please specify the following information:
X			a. Engine Brand: FPT Engine
X			b. Engine Model: F4HFE613W
X			c. Flywheel Horsepower: 162
X			d. Governed RPM: 2,000
NOTES/COMMENTS: (12) 65 gal fuel tank (3) Pre-Heater			

D. DRIVE

YES	NO	NO & PROVIDE ALTERNATIVE	
X			1. Torque converter/power shift with minimum four (4) speed forward and three (3) reverse transmission. Hydrostatic transmission is also acceptable.
X			2. Inboard or outboard four (4) wheel planetary final reduction.
X			3. Limited slip in front and/or rear differential required. Either front or rear differential lock-up will be acceptable. Specify what will be bid in the "NOTES/COMMENTS" section below.
X			4. Minimum forward travel speed will be approximately twenty (20) MPH.
NOTES/COMMENTS: Limited Slip Front + Rear			

E. TIRES AND WHEELS

YES	NO	NO & PROVIDE ALTERNATIVE	
X			1. Four (4) 20.5R25, Michelin XTLA or Equivalent: Specify brand in the "NOTES/COMMENTS" section below.
NOTES/COMMENTS: Michelin			

F. BRAKES

YES	NO	NO & PROVIDE ALTERNATIVE	
X			1. Brakes on all four (4) wheels.
X			2. Brakes shall be boosted, full hydraulic type or air brakes. Specify type of brakes bid in the "NOTES/COMMENTS" section below.
X			3. Air dryer or equivalent moisture remover required with air brakes.
X			4. Transmission drive or internal wet disk service brakes acceptable.
X			5. Parking brake required.

NOTES/COMMENTS: Hydraulically Actuated, maint. free, Multiple wet Disk w/ Accumulator to all four wheels

G. STEERING

YES	NO	NO & PROVIDE ALTERNATIVE	
X			1. Articulated frame at wheelbase center point.
X			2. Turn to right and left of at least forty (40) degrees.
X			3. To be hydraulically assisted.
NOTES/COMMENTS:			

H. LOADER

YES	NO	NO & PROVIDE ALTERNATIVE	
X			1. Static full turn tipping load must be a minimum of 19,000 pounds.
X			2. Joystick control.
X			3. General purpose loader bucket to be minimum 2.7 CY struck SAE rated.
X			4. Bucket shall be minimum ninety-six inches (96") wide but not less than the overall width of the machine.
X			5. Dump clearance at full lift with bucket at forty-five (45) degrees discharge shall be at least nine feet (9'), three inches (3").
X			6. Minimum 25,000-pound breakout force.
X			7. Digging depth of at least 2.9 inches below grade with bucket bottom approaching position parallel to grade.
X			8. Bucket level indicator or automatic pre-set to dig position and adjustable automatic lift kick out required. Bucket shall have a bolt-on cutting edge.
X			9. Z-bar linkage or parallel Lift Linkage will be acceptable.
X			10. Loader shall be equipped with a suspension system for the loader boom cylinders. Ride Control/Suspension System to include any accumulators, valves, hydraulic lines and/or electrical circuits as required by the manufacturer.
NOTES/COMMENTS:			

I. CAB

YES	NO	NO & PROVIDE ALTERNATIVE	
X			1. The ROPS cab shall be of steel construction:
X			a. Cab shall be fully and tightly enclosed with sound suppression.
X			b. Tinted safety glass windshield, windows and door(s) required.
X			2. Cab to be equipped with mounting ladder:
X			a. Electric windshield wipers with washers both front and rear.

X			b. Inside rear-view mirror(s) and floor mat required.
X			c. Standard AM/FM radio Installed.
X			d. Defroster fan and heater of adequate capacity for Nebraska required.
X			e. Unit shall have manufacturer's factory installed air conditioning.
X			f. Unit to have rearview camera installed.
X			g. Loader must be able to be operated with door(s) secured open.
X			3. Padded adjustable, cloth covered suspension seat with seat belt shall be provided.
NOTES/COMMENTS:			

J. INSTRUMENTS

YES	NO	NO & PROVIDE ALTERNATIVE	
X			1. The following gauges or digital displays are required:
X			a. Air pressure gauge if air brakes.
X			b. Torque converter or transmission oil temperature gauge.
X			c. Fuel gauge or indicator.
X			d. Oil pressure gauge.
X			e. Engine temperature gauge.
X			f. Voltmeter, ammeter, or warning light for the twelve (12) or twenty-four (24) volt system.
X			2. Audible and visible alarm system for high engine temperature, low oil pressure and high transmission oil temperature.
X			3. An electronic, back-up alarm meeting OSHA requirements to be provided.
NOTES/COMMENTS:			

K. HYDRAULIC SYSTEM

YES	NO	NO & PROVIDE ALTERNATIVE	
X			1. Constantly driven, gear, piston or vane type pump required.
X			2. Replaceable system filters and pressure relief valve required.
X			3. System operation pressure shall be a maximum of 3,800 PSI.
X			4. Third Valve with all controls, Lines, Fittings, and couplers to front of loader boom for attachments.
NOTES/COMMENTS:			

L. COUNTERWEIGHTS

YES	NO	NO & PROVIDE ALTERNATIVE	
X			1. Standard equipment rear counterweights are required.
NOTES/COMMENTS:			

M. GENERAL

YES	NO	NO & PROVIDE ALTERNATIVE	
X			1. The overall length of the loader will not be greater than twenty-five feet (25'), ten inches (10"), with loader bucket level on the ground.
		X Case of weight is 29,039 lbs	2. The operation weight of loader with minimum 2.7 CY bucket, ROPS cab and without optional accessories or calcium chloride in tires shall be a minimum of 29,200 pounds. Specify loader weight in pounds in the "NOTES/COMMENTS" section below.
X			3. Four (4) LED headlights (two (2) at top of cab near corners and two (2) at bottom of cab near each side).
X			4. One (1) rear working LED light.
X			5. Combination LED stop/taillight and horn.
X			6. Drawbar hitch with pin.
X			7. Turn signal and hazard flashing LED lights for front and rear.
X			8. Manufacturer's front and rear fenders required.
X			9. A slow-moving vehicle emblem shall be mounted on the rear of loader and displayed as required per Nebraska Statutes.
X			a. Emblem shall be mounted so as not to restrict airflow for cooling purposes.
NOTES/COMMENTS:			

N. NOISE LEVEL

YES	NO	NO & PROVIDE ALTERNATIVE	
X			1. Bidder should supply with bid the following decibel level per SAE Standards. Specify sound exposure work cycle rating dba in the "NOTES/COMMENTS" section below.
NOTES/COMMENTS: Interior 68 DBA			

O. RADIO FREQUENCY SHIELDING - CAUTION!!!

YES	NO	NO & PROVIDE ALTERNATIVE	
X			1. The loader and/or installed components and equipment shall be compatible with use of NDOT mobile and/or two-way communication devices. Main communication radio operates in low band range of

X			forty-seven (47) MHz to forty-eight (48) MHz, but all frequencies apply including low band, high band, UHF, and VHF.
X			2. The loader and/or installed components and equipment shall be manufactured to meet all current SAE and/or ISO Standards applicable and/or relevant to electromagnetic Compatibility.
X			3. NDOT will conduct testing of radio/two-way when installed in chassis.
X			4. NDOT will notify bidder if normal operational parameters are not met due to degradation of signals caused by electromagnetic emissions from chassis or installed components and equipment.
X			5. Bidder shall be required to work with NDOT personnel to reduce interference level to a point acceptable to NDOT normal radio operating parameters.
X			6. Bidder shall have thirty (30) days to resolve radio frequency issue.
X			7. Bidder and/or manufacturer will be responsible for any and all cost to replace and/or modify any parts found to cause radio frequency interference.
X			8. If NDOT and awarded bidder cannot resolve source of radio frequency issue the unit will be sent to an independent accredited lab for testing to ensure SAE and/or ISO Standards compliance.
X			9. Testing shall be done to SAE and/or ISO Standards which are current at date of bid.
X			10. Should the loader and/or installed components and equipment fail testing at the accredited lab, the awarded bidder shall be responsible for all cost incurred for testing.
X			11. If after testing by NDOT and/or accredited lab, the awarded bidder is unable or unwilling to incur the cost and correct the radio frequency issue to the satisfaction of NDOT, all orders and corresponding contract will be canceled.
NOTES/COMMENTS:			

P. MANUALS

YES	NO	NO & PROVIDE ALTERNATIVE	
X			1. All manuals, whether for core or optional items, shall accompany each unit upon delivery.
X			2. An Operator's Manual or CD ROM should accompany each unit upon delivery.
X			a. If the Operator's Manual is available online the State must be able to access it free of charge for fifteen (15) years.
X			3. An Equipment Shop Repair Manual or CD ROM should accompany each unit upon delivery.
X			b. If the Equipment Shop Repair Manual is available online the State must be able to access it free of charge for fifteen (15) years.
X			4. An Engine Shop Repair Manual or CD ROM should accompany each unit upon delivery.
X			a. If the Engine Shop Repair Manual is available online the State must be able to access it free of charge for fifteen (15) years.
X			5. An Equipment Parts Manual or CD ROM should accompany each unit upon delivery.
X			a. If the Equipment Parts Manual is available online the State must be able to access it free of charge for fifteen (15) years.
X			6. An Engine Parts Manual or CD ROM should accompany each unit upon delivery.
X			a. If the Engine Parts Manual is available online the State must be able to access it free of charge for fifteen (1) years.
X			7. All manuals should be furnished upon delivery. Per Neb. Rev. Stat. 81-2403 Goods or service; payment in full; when required (3) "no goods or services shall be deemed to be received by an agency until all such goods or services are completely delivered and finally

X			accepted by the agency....". Thus, payment will not be made until the unit and all required documents are received.
NOTES/COMMENTS:			

Q. MISCELLANEOUS

YES	NO	NO & PROVIDE ALTERNATIVE	
X			1. The bidders should submit with their bid a list of any special tools they will furnish with each unit.
X			2. Dealer's decals, stickers or other signs shall not be affixed to units.
X			3. Dealer's pre-delivery service required.
X			4. Manufacturer's standard yellow color.
X			5. Prior to the awarding of, or entering into any agreement or contract, it shall be the responsibility of the manufacturer and/or the successful bidder to warrant to the State of Nebraska, in writing, that it has factory authorized dealers in the State of Nebraska who will provide warranty/service and repair work without undue delay.
NOTES/COMMENTS:			

R. TRAINING

YES	NO	NO & PROVIDE ALTERNATIVE	
X			1. Minimum of four (4) hours per loader at various locations throughout Nebraska by a factory trained representative in the operation and maintenance of loader. Fleet Management will contact awarded bidder on schedule and places for this training.
NOTES/COMMENTS:			

S. SPECIFICATION FORM(S)

YES	NO	NO & PROVIDE ALTERNATIVE	
X			1. Specification form(s) will be supplied by NDOT to the awarded bidder after a purchase order has been issued. The awarded bidder will be required to complete specification form to the fullest extent possible for each unit and must accompany each unit when delivered.
X			2. If bidder does not properly complete required form(s) for each unit, per Neb. Rev. Stat. 81-2403 Goods or service; payment in full; when required (3) "no goods or services shall be deemed to be received by an agency until all such goods or services are completely delivered and finally accepted by the agency....". Thus, payment will not be made until the unit and all required form(s) are received.
NOTES/COMMENTS:			

T. ANNUAL USAGE, ESTIMATED

YES	NO	NO & PROVIDE ALTERNATIVE	
X			1. Annual usage figures provided are estimates and are not to be construed as either a minimum or maximum purchase quantity.
X			2. The orders shall be for the actual quantities of each item ordered by or for any agency during the life of the contract.
X			3. Bidder shall not impose minimum order requirements.
X			4. The estimated annual usage of the Articulated AWD Loader with Minimum 2.7 CY Bucket is two (2) each.

U. USAGE REPORT

YES	NO	NO & PROVIDE ALTERNATIVE	
X			1. The bidder shall, upon request at any time by the State as determined by the State, provide a usage report of this contract by state agencies and political subdivisions. Information will include, but is not limited to, agency/political subdivision name, item name, item number and dollar amount.
NOTES/COMMENTS:			

V. DELIVERY ARO

YES	NO	NO & PROVIDE ALTERNATIVE	
	X	210-300	1. Delivery desired within ninety (90) to one-hundred twenty (120) days ARO(s).
NOTES/COMMENTS: 210-300 Days - Delivery could be sooner depending on product manufacturing delays/improvements			

W. DELIVERY LOCATION

YES	NO	NO & PROVIDE ALTERNATIVE	
X			1. NDOT 5001 S 14 th Street Lincoln, NE 68512
NOTES/COMMENTS:			

X. ORDERS

YES	NO	NO & PROVIDE ALTERNATIVE	
X			1. Orders will be placed by e-mail. To the contractor awarded.
X			2. All orders must reference a purchase order number and
X			3. the purchase order number must be referenced on the packing slip, and invoice.
X			4. Invoices are to be sent to the "Invoice to" address on the purchase order.

NOTES/COMMENTS:

Y. QUALITY

YES	NO	NO & PROVIDE ALTERNATIVE	
X			1. Product quality must meet specifications and be consistent for the term of the contract. All materials must be of first quality, under standard production by the manufacturer and be of standard design, complete as regularly advertised and marketed and be of proven performance.
X			2. A guarantee of satisfactory performance by the bidder and meeting delivery dates are an integral part of the purchase contract resulting from this bid.
X			3. Products are to be fully guaranteed and may be returned for full credit or replacement (at the State's option) for any reason during the initial warranty period with no additional charges for shipping or restocking.
NOTES/COMMENTS:			

Z. WARRANTY

YES	NO	NO & PROVIDE ALTERNATIVE	
X			1. Manufacturer's usual warranty shall apply and shall be in effect for at least one (1) year from the date the equipment was placed in service by purchasing entity.
X			2. Bidder should supply warranty information with bid.
X			3. Bidder shall be responsible for all repairs to include parts, labor and machine transportation cost during the twelve (12) month usual warranty period.
X			4. The power train and engine shall be warranted for additional five (5) years.
X			5. These guarantees are in addition to the standard twelve (12) month warranty and do not have any effect upon the standard warranty.
X			a. If the engine is not produced by the loader manufacturer, the bidder will guarantee that the engine will be repaired by a certified and registered engine warranty dealer or distributorship.
X			6. The following power train components are warranted to be free from defects in workmanship and material during the extended warranty period:
X			a. Engine (excluding radiator, alternator, starter, compressor, and other attachments).
X			b. Torque converter (if applicable), transmission.
X			c. Drive shafts and Universal joints.
X			d. Differential.
X			e. Transfer gear group.
X			f. Drive axles.
X			g. Drive pumps.
X			h. Drive motors.
X			i. Pinion and bevel gear.
X			j. Final drive gear train.
X			k. Computerized and electronic equipment.

X			7. This warranty is limited to repair or replacement (including both parts and Labor) of inspected parts determined to have been defective in material or workmanship. All extended power train warranty repairs will be performed by manufacturer's authorized service personnel. All machine transportation cost to and from the nearest authorized bidder repair facility and travel time and mileage during the extended warranty period will be responsibility of the bidder and/or manufacturer. This warranty does not apply to normal maintenance service (such as engine tune-up) or normal replacement of service or wear items.
X			8. Any oil sampling or other necessary testing needed to implement this warranty must be included in writing with this bid. The NDOT will do oil sampling if required by the manufacturer, but all materials must be furnished at no charge to the Department. A written report will be returned to NDOT if sampling is required.
X			9. This extended coverage is subject to the following conditions and limitations.
X			a. Replacement parts provided are warranted for the remainder of the extended warranty period applicable to the product in which installed.
X			b. The machine may not be altered or modified in any manner which affects the mechanical operation as designed with written permission from the NDOT.
X			10. The following limitations shall be applicable to all guarantees.
X			a. Parts ordering and machine repair requests will occur during dealer's normal working hours.
X			b. The parts and machine repair guarantees will not apply to machines which have been substantially damaged by collision, accident, flood, fire, vandalism, or similar occurrence.
X			c. The parts and machine repair guarantees will not apply to machines when delay results from strikes (dealer, supplier, or carrier), act of God or other occurrences beyond bidder's reasonable control.
X			11. If machine cannot be repaired within thirty (30) days, a comparable loaner machine will be furnished to the State of Nebraska at no cost during the warranty period.
NOTES/COMMENTS:			

AA. AUTHORIZED DEALER & WARRANTY

YES	NO	NO & PROVIDE ALTERNATIVE	
X			1. To the extent required by the manufacturer, the Bidder shall be an authorized dealer. Bidder may be required to substantiate that he/she is an authorized dealer. Proof, if required, must be submitted to SPB within three (3) business days of the request and prior to the award of any contract.
X			2. The terms of the original manufacturer's standard warranty shall apply to all equipment acquired from this bid for the entire warranty period.
X			3. Bidder shall provide a list of approved OEM service, repair & parts locations in the State of Nebraska or within a 4-hour response time. Provide information in the "NOTES/COMMENTS" section below or attach list
X			4. Bidder shall provide a list of approximate number and locations of OEM Trained and/or certified service technicians in the state of Nebraska or in a 4-hour response time. Provide information in the "NOTES/COMMENTS" section below or attach list
NOTES/COMMENTS: See Attached List			

VII. OPTIONS

A. QUICK HITCH WITH SPECIFIED BUCKET

YES	NO	NO & PROVIDE ALTERNATIVE	
X			1. Quick hitch (coupler) system with bucket equivalent to bucket specified in Section VI, Subsection H-LOADER.
X			2. The manufacturer's loader and the factory bucket will be replaced by the quick hitch and bucket.
X			3. Acceptable brands are JRB, ACS or loader manufacturer's model. Please specify which brand you are bidding in the "NOTES/COMMENTS" section below.
X			4. The securing pins controls in the cab will hydraulically operate from loader's existing hydraulics.
X			5. Quick hitch and specified bucket must be recommended by the manufacturer for the loader bid.
<p>NOTES/COMMENTS: JRB 416</p>			

B. QUICK ATTACH FORKLIFT ASSEMBLY

YES	NO	NO & PROVIDE ALTERNATIVE	
X			1. Forklift assembly to be quick attach style and match the quick hitch with specified bucket.
X			2. Quick hitch shall be JRB, ACS or loader manufacturer OEM supplied hitch.
X			3. Carriage width to be minimum fifty-three inches (53").
X			4. Tine length to be minimum sixty inches (60").
X			5. Manually adjustable tines of two- and one-half inch (2.5") X six inch (6").
X			6. Minimum Load Capacity of 10,000 pounds at twenty-four-inch (24") load center.
<p>NOTES/COMMENTS:</p>			

C. MULTI-PURPOSE BUCKET

YES	NO	NO & PROVIDE ALTERNATIVE	
X			1. The factory furnished bucket will be replaced by the multi-purpose bucket.
X			2. The multi-purpose bucket shall be at a minimum as heavy duty as the manufacturer's loader normally furnished bucket.
X			3. Any additional valves, hydraulics, hoses, etc. will be furnished.
X			4. The unit for the proposed loader bucket shall be as recommended by the manufacturer.
<p>NOTES/COMMENTS:</p>			

D. GRAPPLE FORK ATTACHMENT

YES	NO	NO & PROVIDE ALTERNATIVE	
X			1. Grapple fork to GrabTec "GA" series or equivalent to be mounted to bucket as specified in Section VI, Subsection H-LOADER.
X			2. Grapple fork is to be installed on the bucket upon delivery.
X			3. Any costs incurred, including any transportation costs, to have the grapple fork mounted to the specified bucket shall be the responsibility of the awarded bidder.
X			4. Grapple assembly to be of a Quick Attach Style:
X			a. Install weight of grapple assembly to be minimum 1,200 pounds.
X			b. Hydraulic cylinder bore to be a minimum three inches (3").
X			c. Hydraulic hoses of adequate length with couplers shall be provided. The hoses shall be coupled to the loader's auxiliary circuit (Third Valve)
X			d. Fork teeth material to be minimum one inch (1") thick.
X			e. Teeth to be replaceable. Minimum of five (5) teeth per assembly.
X			f. Clamping force of fork assembly to be approximately 10,000 pounds rated with cylinder pressure of 3,750 psi.
X			g. Opening of forks measured from ground level to tip of teeth to be approximately eighty-six inches (86").
X			5. Any additional hydraulic valve hoses, excluding the auxiliary third valve, etc. to be furnished by the bidder.
X			6. Attachment shall carry a one (1) year warranty to be provided by the fork manufacturer or by the awarded bidder.
NOTES/COMMENTS:			

E. WHEEL LOADER SCALE SYSTEM

YES	NO	NO & PROVIDE ALTERNATIVE	
X			1. Scale system to be Loup Electronics Weighlog 8000T or equivalent and shall be installed and calibrated on loader.
X			2. Optional in-cab printer.
X			3. Hydraulic pressure sensors.
X			4. Reference and direction sensor.
NOTES/COMMENTS:			



ENGINE

Make	FPT
Model	F4HFE613W
Emissions Certification	Tier 4 Final
Emissions Technology	SCR/DOC
Type	4-stroke, turbocharged and air-to-air cooled
Cylinders	6-cylinder in-line
Bore/Stroke	4.09 x 5.20 in (104 x 132 mm)
Displacement	411 in ³ (6.7 L)
Fuel	#2 Diesel, #1 and #2 mixture permitted for cold temperatures
Fuel injection	Direct injection – electronic
Fuel filter	Replaceable
Fuel pump	Bosch
Gradeability:	
Side-to-side	35°
Fore and aft	35°
Air filter	Dry type elements w/ warning restriction indicator
Mid-mount cooling module w/ auto reversing fan:	Mid-mount Air/Water w/ Lube Oil Cooler
Fan – hydraulic driven:	
Style	8 blade puller
Diameter	32 in (813 mm)
Water pump	Integral
Engine oil pump operating angle ratings:	
Side-to-side	35°
Fore and aft	35°
Oil filtration	Replaceable
Engine speeds	RPM
Rated – full load	2000
Horsepower – Maximum Power:	
Peak gross @ 1800 RPM	172 hp (128 kW)
Net rated @ 2000 RPM	151 hp (113 kW)
Peak net @ 1800 RPM	162 hp (121 kW)
Torque – Maximum Power:	
Gross @ 1600 RPM	538 lb-ft (730 N-m)
Net @ 1600 RPM	510 lb-ft (692 N-m)
Net torque rise:	
Maximum power range	29%

NOTE: Gross horsepower and torque per SAE J1995.
Net horsepower and torque per SAE J1349.

DRIVETRAIN

Transmission:	4F/3R Proportional w/ Electronic Control Module torque sensing autoshift/manual shift and modulation	
Gears	Helical cut	
Gear ratios – 4-speed	Forward/Reverse	
1st	4.012/3.804	
2nd	2.174/2.061	
3rd	1.088/1.031	
4th	0.619/ –	
Gear ratios – 5-speed	Forward/Reverse	
1st	4.320/4.097	
2nd	2.191/2.078	
3rd	1.418/0.895	
4th	0.944/ –	
5th	0.611/ –	
Torque converter:		
Stall ratio – 4-speed	2.664:1	
Stall ratio – 5-speed	2.376:1	
Differential:	Limited slip w/ 34% of available axle torque to wheel w/ traction	
Rear axle oscillation	24° total	
Front and rear axles:		
Differential ratio	3.18	
Planetary ratio	6.40	
Final axle ratio	20.34	
Heavy-duty axles – optional:		
Front axle equipped w/ locking differential		
Rear axle equipped w/ open differential		
Planetaries	Outboard	
Service brakes:	Hydraulically actuated, maintenance-free, multiple wet disc w/ accumulator to all four wheels	
Brake surface area:		
Front hub – each	480 in ² (0.31 m ²)	
Rear hub – each	480 in ² (0.31 m ²)	
Parking brakes:	Spring-applied hydraulic release disc on transmission output shaft neutralizes power flow to wheels when engaged	
Travel speeds – 4-speed transmission:	Forward	Reverse
	mph (kph)	mph (kph)
1st	4.3 (6.9)	4.5 (7.3)
2nd	8.4 (13.5)	8.8 (14.2)
3rd	14.9 (23.9)	15.6 (25.0)
4th	24.0 (38.6)	–
Travel speeds – 5-speed transmission:	Forward	Reverse
	mph (kph)	mph (kph)
1st	4.0 (6.5)	4.3 (6.9)
2nd	8.3 (13.3)	8.7 (14.0)
3rd	12.7 (20.5)	20.1 (32.4)
4th	19.1 (30.7)	–
5th	28.0 (45.0)	–

NOTE: Travel speeds at full engine throttle w/ 20.5-R25 (L3 Radial) tires.

ELECTRICAL

Voltage	24 Volts, negative ground
Alternator	120 amp
Batteries (2)	12-volt

OPERATOR ENVIRONMENT

ROPS cab AC w/ heat; 8" LCD touchscreen display, adjustable armrest w/ 3 configurable buttons; Key start; Articulated power steering w/ headrest; Foot throttle; Single lever (joystick) loader control w/ auxiliary function and fully adjustable wrist rest, 2 cup holders; Interior rear view mirror; 3 inch (76 mm) retractable seat belt; Integrated 4-corner strobe; Multiple storage trays; Single brake pedal; F/N/R shuttle switch; Left and Right external side mirrors; Pressurized air filtering; Anti-glare window strip; Front and Rear Defroster; Side window, partial/fully open; 2 Dome lights; Wipers, rear and intermittent front; Windshield washers, front and rear; Rubber floor mat; Horn; Radio ready – Includes antenna, speakers, wiring, radio fuse, 20A converter, 12-volt auxiliary power outlet, and USB outlet.

Displays/Gauges:

Digital:

Transmission oil temperature; Engine coolant temperature; Fuel level; DEF level.

LCD screen:

Hour meter; Engine speed; Travel speed; Time; Automatic transmission indication; Current gear selection; FNR indication; DeClutch indication; Engine mode indication; Trip computer A/B; Fuel consumption; Multiple languages, Metric/English; Engine diagnostics; Transmission diagnostics; Warning prompts; Error reporting; Diff. lock*; DEF gauge.

Audible/Visual alarms:

Warning lights:

Four-way flashers and turn signals; Brake pressure; Lamp/high beam indication; Engine block heater.

Caution warnings:

Parking brake; Coolant temperature; Hydraulic oil temperature; Transmission oil temperature; Air filter; Transmission filter; Hydraulic filter; Alternator; Low fuel.

Critical warnings:

Engine oil pressure; Brake pressure; Steering pressure – w/ aux. steering*; Coolant temperature; Hydraulic oil temperature; Transmission oil temperature.

Backup alarm

Maintenance reminders:

Cab air filter; Engine oil filter; Fuel pre-filter; DEF tank vent filter; SCR supply filter; Hydraulic oil and filter; Engine air filter; Engine coolant; Drive belt; Cab recirculation filter; Engine breather filter; Transmission breather; Front and rear axle fluid; SCR supply module filter.

NOTE: *If equipped w/ option.

OPERATING WEIGHT

Z-Bar

Unit equipped w/ 2.75 yd³ (2.1 m³) Case pin on bucket w/ edge; 20.5-R25 L3 Radial tires; ROPS cab w/ heater and A/C; Std. battery; Heavy counterweight – 1,950 lb (885 kg); Front and rear fenders; Lights; 165 lb (75 kg) operator:
28,159 lb (12 773 kg)

XT

Unit equipped w/ 2.5 yd³ (1.9 m³) CNH w/ edge and JRB coupler; 20.5-R25 L3 Radial tires; ROPS cab w/ heater and A/C; Std. battery; Heavy counterweight – 1,950 lb (885 kg); Front and rear fenders; Lights; 165 lb (75 kg) operator:
29,076 lb (13 188 kg)

XR

Unit equipped w/ 2.5 yd³ (1.9 m³) Case pin on bucket w/ edge; 20.5-R25 L3 Radial tires; ROPS cab w/ heater and A/C; Std. battery; Heavy counterweight – 1,950 lb (885 kg); Front and rear fenders; Lights; 165 lb (75 kg) operator:
28,483 lb (12 920 kg)

HYDRAULICS

Pump – steering/implement:

Closed center pressure/flow compensated

Variable displacement – load-sensing:

45.2 gpm @ 2000 RPM
(171 L/min @ 2000 RPM)

Loader control valve:

Closed-center, sectional 2, 3 or 4-function
w/ control for lift, tilt and auxiliary hydraulics

Loader auxiliary steering:

Hydraulic orbital center-pivot articulating
w/ on-demand oil flow

High pressure standby:

Implement 3,625 psi (25 000 kPa)
Steering 3,500 psi (24 132 kPa)

Filtration:

Filtered vent w/ relief on hydraulic reservoir,
maintains 3-5 psi on reservoir, 10-micron, return
filter furnishes only clean oil to all components
of the system

SERVICE CAPACITIES

Fuel tank 65.0 gal (246.0 L)

DEF tank – Diesel Exhaust Fluid:

Usable capacity 9.8 gal (37.1 L)
Total 15.6 gal (58.9 L)

Hydraulic system:

Reservoir 24.0 gal (90.8 L)
Total 39.0 gal (147.6 L)

Transmission:

Service w/ filter 29.2 qt (27.6 L)

Front and rear axle:

Front axle 23.2 qt (22.0 L)
Rear axle 23.2 qt (22.0 L)

Front and rear axle – optional:

Front axle 23.2 qt (22.0 L)
Rear axle 23.2 qt (22.0 L)

Engine oil w/ filter 14 qt (13.2 L)

Cooling system 28.4 qt (26.8 L)

OTHER SPECIFICATIONS

Lift cylinder:

Bore diameter 4.7 in (120.6 mm)
Rod diameter 2.5 in (63.5 mm)
Stroke 31.0 in (787.6 mm)

Dump cylinder – Z-Bar and XR:

Bore diameter 5.0 in (127 mm)
Rod diameter 3.0 in (76.2 mm)
Stroke 24.4 in (619.7 mm)

Dump cylinder – XT:

Bore diameter 4.5 in (114 mm)
Rod diameter 2.5 in (63.5 mm)
Stroke 32.6 in (819.9 mm)

Loader:

Z-Bar loader linkage; Single control for
lift and tilt; Positive hold float; Automatic
return-to-dig; Automatic height control;
Automatic return-to-travel; Brake pedal
transmission disconnect; Bucket position
indicator on bucket.

Cycle time:

Raise w/ rated bucket load:
Z-Bar 6.3 sec
XR 6.3 sec
XT 6.5 sec

Dump w/ rated bucket load:

Z-Bar 1.2 sec
XR 1.2 sec
XT 2.4 sec

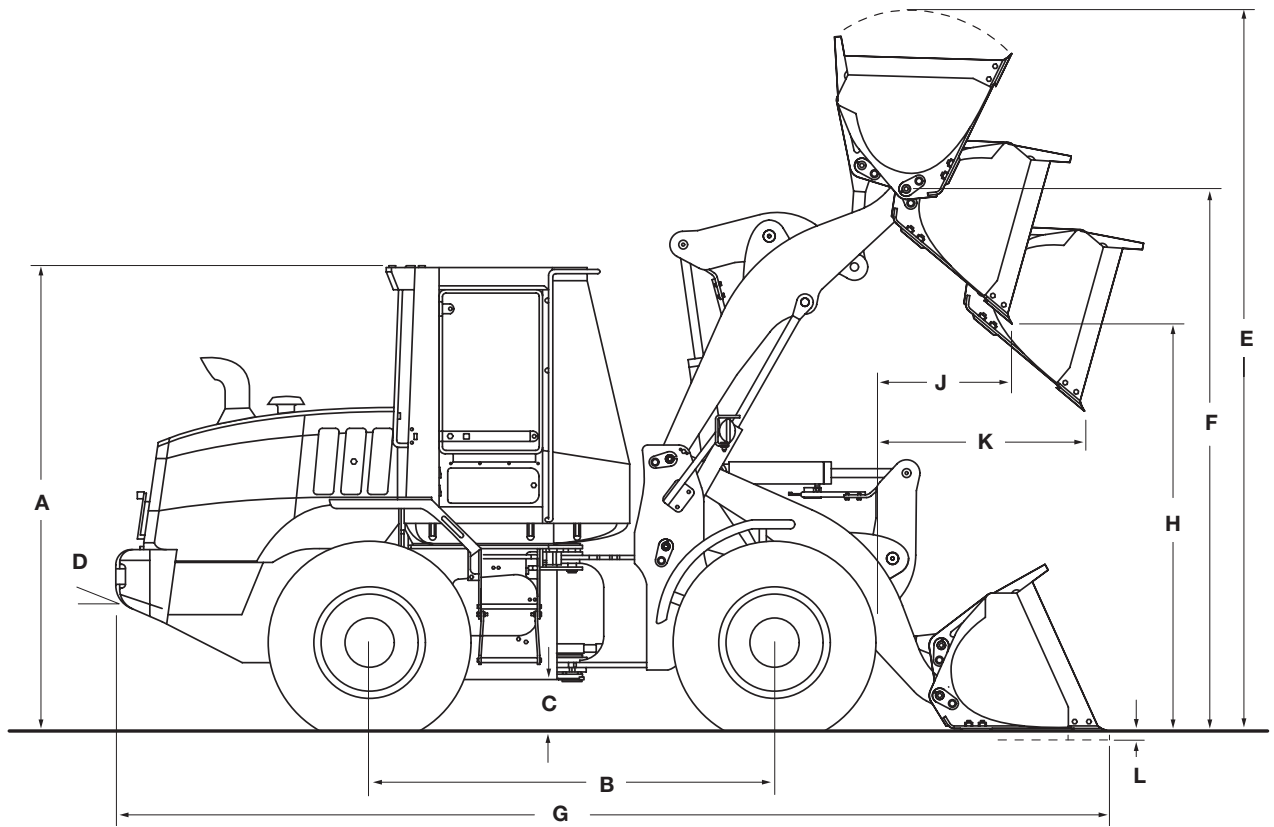
Float down:

Z-Bar 4.8 sec
XR 4.8 sec
XT 4.2 sec

Sound level in Cab (LpA) 68 dB(A)

Exterior sound level (LwA) 104 dB(A)

NOTE: Sound level data tested in accordance
with ISO6395, 6396, 3744.



Line drawings are for illustrative purpose only and may not be exact representation of unit.

DIMENSIONS

A. Height to top of ROPS cab	133.2 in (3 384 mm)
Height to drawbar	42.1 in (1 070 mm)
B. Wheelbase	114.2 in (2 900 mm)
C. Ground clearance	15.3 in (389 mm)
D. Angle of departure	25°
Width:	
Overall* without bucket	97.6 in (2 478 mm)
Tread width	76.8 in (1 950 mm)
Turning radius* – outside	205.6 in (5 223 mm)
Turning angle:	
From center	40°
Total angle	80°
Rear axle oscillation – total	24°

NOTE: *Dimensions taken with 20.5-R25 (L3 Radial) tires. For transport dimensions, refer to specific bucket width and overall length on pages 4 through 9.

WEIGHT ADJUSTMENTS

Select Options	Weight Adjustment	Tipping Load Adjustment Straight: Deflected*	Tipping Load Adjustment 40° Turn: Deflected*
20.5 x 25 12 ply L2 Bias tires	-592 lb (-269 kg)	-618 lb (-280 kg)	-1,179 lb (-535 kg)
20.5 x 25 12 ply L3 Bias tires	-20 lb (-9 kg)	+240 lb (+109 kg)	+363 lb (+165 kg)
20.5-R25 L2 Radial tires	-256 lb (-116 kg)	-259 lb (-117 kg)	-189 lb (-86 kg)
20.5-R25 Snow Radial Tires	-132 lb (-60 kg)	-175 lb (-79 kg)	-111 lb (-50 kg)
20.5-R25 Solid Tires Req. Diff Axles, Ltd Speed Controller	+4,782 lb (+2 169 kg)	+3,140 lb (+1 424 kg)	+3,327 lb (+1 509 kg)

NOTE: Unit equipped with Z-Bar loader arms, 2.5 yd³ (1.9 m³) general purpose pin on bucket with bolt-on edge, 20.5-R25 (L3 Radial) tires, ROPS cab with heater and air conditioner, heavy counterweight, standard batteries, front and rear fenders, full fuel and 165 lb (79 kg) operator. Adjust select options from rated weight.
*Tipping loads: ISO 14397-1 Deflected Tires.

PERFORMANCE SPECS

621G Z-Bar*		3.0 yd³ (2.3 m³) Bucket with Bolt-on Edge - Pin On	2.5 yd³ (1.9 m³) Bucket with Bolt-on Edge - Pin On	2.4 yd³ (1.8 m³) Bucket with Teeth Only - Pin On	4.5 yd³ (3.4 m³) Bucket with Bolt-on Edge - Pin On
Operating weight		28,254 lb (12 816 kg)	28,093 lb (12 743 kg)	28,013 lb (12 707 kg)	28,672 lb (13 005 kg)
E. Operating height – fully raised with spillguard		198.6 in (5 044 mm)	194.5 in (4 941 mm)	194.5 in (4 941 mm)	212.9 in (5 408 mm)
F. Hinge pin height – fully raised		150.9 in (3 833 mm)	150.9 in (3 833 mm)	150.9 in (3 834 mm)	150.9 in (3 833 mm)
G. Overall length – bucket level on ground		290.6 in (7 380 mm)	284.9 in (7 237 mm)	290.6 in (7 382 mm)	302.9 in (7 694 mm)
Dump angle – fully raised		51°	51°	51°	50°
H. Dump height – fully raised, 45° dump		110.4 in (2 804 mm)	114.1 in (2 899 mm)	110.4 in (2 805 mm)	102.2 in (2 596 mm)
J. Bucket reach – fully raised, 45° dump		39.8 in (1 010 mm)	36.0 in (916 mm)	40.2 in (1 021 mm)	47.9 in (1 216 mm)
K. Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump		59.6 in (1 513 mm)	57.7 in (1 466 mm)	60.0 in (1 525 mm)	62.9 in (1 598 mm)
L. Dig depth		3.3 in (84 mm)	2.8 in (72 mm)	3.0 in (76 mm)	4.4 in (111 mm)
Operating load – ISO Rigid Tires		10,299 lb (4 671 kg)	10,569 lb (4 794 kg)	10,703 lb (4 855 kg)	9,637 lb (4 371 kg)
Operating load – ISO Deflected Tires		9,375 lb (4 252 kg)	9,633 lb (4 369 kg)	9,756 lb (4 425 kg)	8,737 lb (3 963 kg)
Maximum material density – ISO Rigid Tires		3,433 lb/yd ³ (2 037 kg/m ³)	4,228 lb/yd ³ (2 509 kg/m ³)	4,460 lb/yd ³ (2 646 kg/m ³)	2,142 lb/yd ³ (1 271 kg/m ³)
Maximum material density – ISO Deflected Tires		3,125 lb/yd ³ (1 854 kg/m ³)	3,853 lb/yd ³ (2 286 kg/m ³)	4,065 lb/yd ³ (2 412 kg/m ³)	1,942 lb/yd ³ (1 152 kg/m ³)
Tipping load – ISO Rigid Tires:	Straight	23,725 lb (10 761 kg)	24,318 lb (11 030 kg)	24,612 lb (11 164 kg)	22,275 lb (10 104 kg)
	40° turn	20,597 lb (9 343 kg)	21,138 lb (9 588 kg)	21,407 lb (9 710 kg)	19,274 lb (8 742 kg)
Tipping load – ISO Deflected Tires:	Straight	22,307 lb (10 118 kg)	22,881 lb (10 378 kg)	23,155 lb (10 503 kg)	20,896 lb (9 478 kg)
	40° turn	18,749 lb (8 504 kg)	19,266 lb (8 739 kg)	19,511 lb (8 850 kg)	17,474 lb (7 926 kg)
Lift capacity:	Full height	16,266 lb (7 378 kg)	16,442 lb (7 458 kg)	16,530 lb (7 498 kg)	15,794 lb (7 164 kg)
	Ground	22,395 lb (10 158 kg)	25,278 lb (11 466 kg)	26,675 lb (12 100 kg)	21,930 lb (9 947 kg)
Breakout force with tilt cylinder		24,031 lb (10 900 kg)	27,280 lb (12 374 kg)	29,182 lb (13 237 kg)	18,285 lb (8 294 kg)
Loader clearance circle with bucket		455.1 in (11 560 mm)	451.9 in (11 478 mm)	454.8 in (11 552 mm)	462.3 in (11 743 mm)

621G XR		3.0 yd³ (2.3 m³) Bucket with Bolt-on Edge - Pin On	2.5 yd³ (1.9 m³) Bucket with Bolt-on Edge - Pin On	2.4 yd³ (1.8 m³) Bucket with Teeth Only - Pin On	4.5 yd³ (3.4 m³) Bucket with Bolt-on Edge - Pin On
Operating weight		28,644 lb (12 993 kg)	28,483 lb (12 920 kg)	28,403 lb (12 883 kg)	29,062 lb (13 182 kg)
E. Operating height – fully raised with spillguard		215.3 in (5 469 mm)	211.2 in (5 365 mm)	211.2 in (5 365 mm)	229.6 in (5 833 mm)
F. Hinge pin height – fully raised		167.6 in (4 258 mm)	167.6 in (4 258 mm)	167.6 in (4 258 mm)	167.6 in (4 257 mm)
G. Overall length – bucket level on ground		306.7 in (7 789 mm)	301.1 in (7 648 mm)	306.8 in (7 792 mm)	318.8 in (8 099 mm)
Dump angle – fully raised		45°	45°	45°	45°
H. Dump height – fully raised, 45° dump		127.1 in (3 229 mm)	130.8 in (3 323 mm)	127.1 in (3 229 mm)	119.2 in (3 027 mm)
J. Bucket reach – fully raised, 45° dump		39.8 in (1 011 mm)	36.1 in (916 mm)	40.2 in (1 022 mm)	48.2 in (1 225 mm)
K. Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump		73.7 in (1 871 mm)	71.6 in (1 817 mm)	74.1 in (1 883 mm)	77.7 in (1 973 mm)
L. Dig depth		3.5 in (88 mm)	3.0 in (76 mm)	3.2 in (81 mm)	4.5 in (115 mm)
Operating load – ISO Rigid Tires		8,617 lb (3 909 kg)	8,832 lb (4 006 kg)	8,942 lb (4 056 kg)	8,085 lb (3 667 kg)
Operating load – ISO Deflected Tires		7,938 lb (3 601 kg)	8,146 lb (3 695 kg)	8,248 lb (3 741 kg)	7,420 lb (3 366 kg)
Maximum material density – ISO Rigid Tires		2,872 lb/yd ³ (1 704 kg/m ³)	3,533 lb/yd ³ (2 096 kg/m ³)	3,726 lb/yd ³ (2 211 kg/m ³)	1,797 lb/yd ³ (1 066 kg/m ³)
Maximum material density – ISO Deflected Tires		2,646 lb/yd ³ (1 570 kg/m ³)	3,259 lb/yd ³ (1 933 kg/m ³)	3,437 lb/yd ³ (2 039 kg/m ³)	1,649 lb/yd ³ (978 kg/m ³)
Tipping load – ISO Rigid Tires:	Straight	19,948 lb (9 048 kg)	20,416 lb (9 261 kg)	20,653 lb (9 368 kg)	18,791 lb (8 523 kg)
	40° turn	17,234 lb (7 817 kg)	17,665 lb (8 013 kg)	17,883 lb (8 112 kg)	16,170 lb (7 335 kg)
Tipping load – ISO Deflected Tires:	Straight	18,927 lb (8 585 kg)	19,385 lb (8 793 kg)	19,609 lb (8 895 kg)	17,792 lb (8 070 kg)
	40° turn	15,876 lb (7 201 kg)	16,293 lb (7 390 kg)	16,496 lb (7 482 kg)	14,840 lb (6 731 kg)
Lift capacity:	Full height	15,791 lb (7 162 kg)	15,959 lb (7 239 kg)	16,044 lb (7 277 kg)	15,308 lb (6 944 kg)
	Ground	25,246 lb (11 451 kg)	25,759 lb (11 684 kg)	25,976 lb (11 783 kg)	24,802 lb (11 250 kg)
Breakout force with tilt cylinder		24,720 lb (11 213 kg)	28,096 lb (12 744 kg)	30,037 lb (13 625 kg)	18,751 lb (8 505 kg)
Loader clearance circle with bucket		470.7 in (11 956 mm)	467.0 in (11 862 mm)	470.4 in (11 948 mm)	478.1 in (12 144 mm)

621G		Z-Bar/XR	Z-Bar/XR	Z-Bar/XR	Z-Bar/XR
Maximum rollback:	Ground	41°/40°	40°/40°	40°/40°	42°/42°
	Carry position	45°/45°	45°/45°	45°/45°	45°/47°
	@ Full height	55°/59°	55°/59°	55°/59°	55°/59°
Maximum grading angle with bucket – back dragging		59°/59°	58°/58°	59°/59°	64°/63°
SAE bucket capacity – struck		2.56 yd ³ (1.96 m ³)	2.15 yd ³ (1.64 m ³)	2.05 yd ³ (1.57 m ³)	3.71 yd ³ (2.84 m ³)
	Heaped	3.00 yd ³ (2.29 m ³)	2.50 yd ³ (1.91 m ³)	2.40 yd ³ (1.83 m ³)	4.50 yd ³ (3.44 m ³)
Bucket width – outside		102.4 in (2 602 mm)	102.4 in (2 602 mm)	102.1 in (2 593 mm)	102.4 in (2 602 mm)
Bucket weight		1,957 lb (888 kg)	1,796 lb (814 kg)	1,716 lb (778 kg)	2,374 lb (1 077 kg)

PERFORMANCE SPECS

621G Z-Bar*		3.0 yd³ (2.29 m³) Bucket with Bolt-on Edge - JRB Coupler	2.8 yd³ (2.14 m³) Bucket with Teeth - JRB Coupler	2.5 yd³ (1.91 m³) Bucket with Bolt-on Edge - JRB Coupler	2.4 yd³ (1.8 m³) Bucket with Teeth - JRB Coupler
Operating weight		29,119 lb (13 208 kg)	29,039 lb (13 172 kg)	28,930 lb (13 122 kg)	28,852 lb (13 087 kg)
E. Operating height – fully raised with spillguard		205.1 in (5 209 mm)	205.1 in (5 209 mm)	200.4 in (5 090 mm)	200.4 in (5 090 mm)
F. Hinge pin height – fully raised		150.9 in (3 832 mm)	150.9 in (3 832 mm)	150.9 in (3 832 mm)	150.9 in (3 832 mm)
G. Overall length – bucket level on ground		299.2 in (7 601 mm)	305.0 in (7 746 mm)	293.7 in (7 460 mm)	299.4 in (7 604 mm)
Dump angle – fully raised		51°	51°	51°	51°
H. Dump height – fully raised, 45° dump		104.9 in (2 664 mm)	101.2 in (2 570 mm)	108.5 in (2 755 mm)	104.8 in (2 661 mm)
J. Bucket reach – fully raised, 45° dump		47.0 in (1 193 mm)	51.1 in (1 299 mm)	42.7 in (1 085 mm)	46.9 in (1 191 mm)
K. Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump		63.7 in (1 618 mm)	65.5 in (1 664 mm)	61.5 in (1 562 mm)	63.6 in (1 614 mm)
L. Dig depth		2.9 in (73 mm)	3.0 in (77 mm)	2.9 in (73 mm)	3.0 in (77 mm)
Operating load – ISO Rigid Tires		9,271 lb (4 205 kg)	9,398 lb (4 263 kg)	9,500 lb (4 309 kg)	9,619 lb (4 363 kg)
Operating load – ISO Deflected Tires		8,407 lb (3 813 kg)	8,522 lb (3 866 kg)	8,631 lb (3 915 kg)	8,739 lb (3 964 kg)
Maximum material density – ISO Rigid Tires		3,090 lb/yd ³ (1 834 kg/m ³)	3,356 lb/yd ³ (1 992 kg/m ³)	3,800 lb/yd ³ (2 255 kg/m ³)	4,008 lb/yd ³ (2 378 kg/m ³)
Maximum material density – ISO Deflected Tires		2,802 lb/yd ³ (1 663 kg/m ³)	3,044 lb/yd ³ (1 806 kg/m ³)	3,452 lb/yd ³ (2 048 kg/m ³)	3,641 lb/yd ³ (2 161 kg/m ³)
Tipping load – ISO Rigid Tires:	Straight	21,483 lb (9 744 kg)	21,760 lb (9 870 kg)	21,978 lb (9 969 kg)	22,238 lb (10 087 kg)
	40° turn	18,543 lb (8 411 kg)	18,796 lb (8 526 kg)	18,999 lb (8 618 kg)	19,238 lb (8 726 kg)
Tipping load – ISO Deflected Tires:	Straight	20,161 lb (9 145 kg)	20,420 lb (9 262 kg)	20,649 lb (9 366 kg)	20,892 lb (9 476 kg)
	40° turn	16,813 lb (7 626 kg)	17,045 lb (7 731 kg)	17,261 lb (7 830 kg)	17,478 lb (7 928 kg)
Lift capacity:	Full height	15,397 lb (6 984 kg)	15,452 lb (7 009 kg)	15,564 lb (7 060 kg)	15,649 lb (7 098 kg)
	Ground	20,923 lb (9 491 kg)	16,177 lb (7 338 kg)	16,975 lb (7 700 kg)	17,704 lb (8 030 kg)
Breakout force with tilt cylinder		18,868 lb (8 558 kg)	20,530 lb (9 312 kg)	21,896 lb (9 932 kg)	23,163 lb (10 506 kg)
Loader clearance circle with bucket		460.2 in (11 689 mm)	463.4 in (11 771 mm)	456.9 in (11 605 mm)	460.0 in (11 683 mm)

621G XR		3.0 yd³ (2.29 m³) Bucket with Bolt-on Edge - JRB Coupler	2.8 yd³ (2.14 m³) Bucket with Teeth - JRB Coupler	2.5 yd³ (1.91 m³) Bucket with Bolt-on Edge - JRB Coupler	2.4 yd³ (1.8 m³) Bucket with Teeth - JRB Coupler
Operating weight		29,508 lb (13 385 kg)	29,428 lb (13 348 kg)	29,319 lb (13 299 kg)	29,241 lb (13 264 kg)
E. Operating height – fully raised with spillguard		221.8 in (5 634 mm)	221.8 in (5 634 mm)	217.1 in (5 514 mm)	217.1 in (5 514 mm)
F. Hinge pin height – fully raised		167.6 in (4 257 mm)	167.6 in (4 257 mm)	167.6 in (4 257 mm)	167.6 in (4 257 mm)
G. Overall length – bucket level on ground		315.4 in (8 011 mm)	321.1 in (8 156 mm)	309.8 in (7 870 mm)	315.5 in (8 014 mm)
Dump angle – fully raised		45°	45°	45°	45°
H. Dump height – fully raised, 45° dump		121.6 in (3 088 mm)	117.9 in (2 995 mm)	125.2 in (3 179 mm)	121.5 in (3 086 mm)
J. Bucket reach – fully raised, 45° dump		47.0 in (1 194 mm)	51.2 in (1 300 mm)	42.8 in (1 086 mm)	46.9 in (1 192 mm)
K. Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump		78.2 in (1 987 mm)	80.4 in (2 041 mm)	75.7 in (1 924 mm)	78.1 in (1 983 mm)
L. Dig depth		3.1 in (78 mm)	3.2 in (82 mm)	3.1 in (78 mm)	3.2 in (81 mm)
Operating load – ISO Rigid Tires		7,764 lb (3 522 kg)	7,868 lb (3 569 kg)	7,953 lb (3 608 kg)	8,052 lb (3 652 kg)
Operating load – ISO Deflected Tires		7,120 lb (3 230 kg)	7,218 lb (3 274 kg)	7,308 lb (3 315 kg)	7,400 lb (3 357 kg)
Maximum material density – ISO Rigid Tires		2,588 lb/yd ³ (1 536 kg/m ³)	2,810 lb/yd ³ (1 667 kg/m ³)	3,181 lb/yd ³ (1 888 kg/m ³)	3,355 lb/yd ³ (1 991 kg/m ³)
Maximum material density – ISO Deflected Tires		2,373 lb/yd ³ (1 408 kg/m ³)	2,578 lb/yd ³ (1 530 kg/m ³)	2,923 lb/yd ³ (1 735 kg/m ³)	3,083 lb/yd ³ (1 830 kg/m ³)
Tipping load – ISO Rigid Tires:	Straight	18,102 lb (8 211 kg)	18,329 lb (8 314 kg)	18,509 lb (8 396 kg)	18,723 lb (8 493 kg)
	40° turn	15,527 lb (7 043 kg)	15,736 lb (7 138 kg)	15,907 lb (7 215 kg)	16,104 lb (7 305 kg)
Tipping load – ISO Deflected Tires:	Straight	17,137 lb (7 773 kg)	17,354 lb (7 872 kg)	17,542 lb (7 957 kg)	17,745 lb (8 049 kg)
	40° turn	14,241 lb (6 459 kg)	14,436 lb (6 548 kg)	14,616 lb (6 630 kg)	14,800 lb (6 713 kg)
Lift capacity:	Full height	14,924 lb (6 769 kg)	14,995 lb (6 802 kg)	15,104 lb (6 851 kg)	15,186 lb (6 888 kg)
	Ground	24,358 lb (11 049 kg)	23,528 lb (10 672 kg)	23,788 lb (10 790 kg)	23,995 lb (10 884 kg)
Breakout force with tilt cylinder		19,474 lb (8 833 kg)	21,155 lb (9 596 kg)	22,571 lb (10 238 kg)	23,864 lb (10 824 kg)
Loader clearance circle with bucket		476.2 in (12 095 mm)	479.8 in (12 187 mm)	472.4 in (12 000 mm)	476.0 in (12 089 mm)

621G		Z-Bar/XR	Z-Bar/XR	Z-Bar/XR	Z-Bar/XR
Maximum rollback:	Ground	40°/40°	40°/40°	40°/40°	40°/40°
	Carry position	45°/46°	45°/46°	45°/46°	45°/46°
	@ Full height	55°/59°	55°/59°	55°/59°	55°/59°
Maximum grading angle with bucket – back dragging		62°/61°	64°/62°	60°/60°	62°/61°
SAE bucket capacity – struck		2.60 yd ³ (1.99 m ³)	2.40 yd ³ (1.83 m ³)	2.15 yd ³ (1.64 m ³)	2.05 yd ³ (1.57 m ³)
	Heaped	3.00 yd ³ (2.29 m ³)	2.80 yd ³ (2.14 m ³)	2.50 yd ³ (1.91 m ³)	2.40 yd ³ (1.83 m ³)
Bucket width – outside		102.4 in (2 602 mm)	102.1 in (2 593 mm)	102.4 in (2 602 mm)	102.1 in (2 593 mm)
Bucket weight		2,821 lb (1 280 kg)	2,741 lb (1 243 kg)	2,632 lb (1 194 kg)	2,554 lb (1 158 kg)

PERFORMANCE SPECS

621G Z-Bar*		3.0 yd³ (2.29 m³) Bucket with Bolt-on Edge - ACS Coupler	2.8 yd³ (2.14 m³) Bucket with Teeth - ACS Coupler	2.5 yd³ (1.91 m³) Bucket with Bolt-on Edge - ACS Coupler	2.4 yd³ (1.8 m³) Bucket with Teeth - ACS Coupler
Operating weight		29,322 lb (13 300 kg)	29,242 lb (13 264 kg)	29,109 lb (13 203 kg)	29,028 lb (13 167 kg)
E. Operating height – fully raised with spillguard		203.7 in (5 173 mm)	203.7 in (5 173 mm)	199.2 in (5 059 mm)	199.2 in (5 059 mm)
F. Hinge pin height – fully raised		150.9 in (3 832 mm)	150.9 in (3 832 mm)	150.9 in (3 832 mm)	150.9 in (3 832 mm)
G. Overall length – bucket level on ground		297.3 in (7 551 mm)	303.0 in (7 696 mm)	292.0 in (7 418 mm)	297.7 in (7 562 mm)
Dump angle – fully raised		51°	51°	51°	51°
H. Dump height – fully raised, 45° dump		106.1 in (2 696 mm)	102.4 in (2 602 mm)	109.5 in (2 782 mm)	105.8 in (2 688 mm)
J. Bucket reach – fully raised, 45° dump		45.5 in (1 155 mm)	49.6 in (1 260 mm)	41.5 in (1 053 mm)	45.6 in (1 158 mm)
K. Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump		62.9 in (1 598 mm)	64.8 in (1 646 mm)	60.8 in (1 545 mm)	62.9 in (1 597 mm)
L. Dig depth		2.9 in (74 mm)	3.1 in (78 mm)	2.9 in (73 mm)	3.1 in (78 mm)
Operating load – ISO Rigid Tires		9,329 lb (4 232 kg)	9,456 lb (4 289 kg)	9,542 lb (4 328 kg)	9,662 lb (4 383 kg)
Operating load – ISO Deflected Tires		8,450 lb (3 833 kg)	8,566 lb (3 886 kg)	8,661 lb (3 928 kg)	8,771 lb (3 978 kg)
Maximum material density – ISO Rigid Tires		3,110 lb/yd ³ (1 845 kg/m ³)	3,377 lb/yd ³ (2 004 kg/m ³)	3,817 lb/yd ³ (2 265 kg/m ³)	4,026 lb/yd ³ (2 389 kg/m ³)
Maximum material density – ISO Deflected Tires		2,817 lb/yd ³ (1 671 kg/m ³)	3,059 lb/yd ³ (1 815 kg/m ³)	3,464 lb/yd ³ (2 056 kg/m ³)	3,655 lb/yd ³ (2 168 kg/m ³)
Tipping load – ISO Rigid Tires:	Straight	21,642 lb (9 817 kg)	21,921 lb (9 943 kg)	22,099 lb (10 024 kg)	22,361 lb (10 143 kg)
	40° turn	18,658 lb (8 463 kg)	18,913 lb (8 579 kg)	19,084 lb (8 656 kg)	19,324 lb (8 765 kg)
Tipping load – ISO Deflected Tires:	Straight	20,296 lb (9 206 kg)	20,558 lb (9 325 kg)	20,750 lb (9 412 kg)	20,996 lb (9 524 kg)
	40° turn	16,899 lb (7 665 kg)	17,133 lb (7 771 kg)	17,321 lb (7 857 kg)	17,542 lb (7 957 kg)
Lift capacity:	Full height	15,175 lb (6 883 kg)	15,263 lb (6 923 kg)	15,396 lb (6 984 kg)	15,483 lb (7 023 kg)
	Ground	16,546 lb (7 505 kg)	17,354 lb (7 871 kg)	17,992 lb (8 161 kg)	18,795 lb (8 525 kg)
Breakout force with tilt cylinder		20,212 lb (9 168 kg)	21,315 lb (9 668 kg)	22,635 lb (10 267 kg)	24,003 lb (10 887 kg)
Loader clearance circle with bucket		459.0 in (11 659 mm)	462.2 in (11 740 mm)	455.9 in (11 580 mm)	459.0 in (11 658 mm)

621G XR		3.0 yd³ (2.29 m³) Bucket with Bolt-on Edge - ACS Coupler	2.8 yd³ (2.14 m³) Bucket with Teeth - ACS Coupler	2.5 yd³ (1.91 m³) Bucket with Bolt-on Edge - ACS Coupler	2.4 yd³ (1.8 m³) Bucket with Teeth - ACS Coupler
Operating weight		29,711 lb (13 477 kg)	29,631 lb (13 440 kg)	29,498 lb (13 380 kg)	29,418 lb (13 344 kg)
E. Operating height – fully raised with spillguard		220.4 in (5 597 mm)	220.4 in (5 597 mm)	215.9 in (5 484 mm)	215.9 in (5 484 mm)
F. Hinge pin height – fully raised		167.6 in (4 256 mm)	167.6 in (4 256 mm)	167.6 in (4 257 mm)	167.6 in (4 257 mm)
G. Overall length – bucket level on ground		313.4 in (7 961 mm)	319.1 in (8 106 mm)	308.2 in (7 828 mm)	313.9 in (7 972 mm)
Dump angle – fully raised		45°	45°	45°	45°
H. Dump height – fully raised, 45° dump		122.9 in (3 121 mm)	119.2 in (3 027 mm)	126.2 in (3 206 mm)	122.5 in (3 113 mm)
J. Bucket reach – fully raised, 45° dump		45.5 in (1 156 mm)	49.7 in (1 261 mm)	41.5 in (1 054 mm)	45.6 in (1 159 mm)
K. Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump		77.3 in (1 965 mm)	79.6 in (2 021 mm)	75.0 in (1 904 mm)	77.3 in (1 964 mm)
L. Dig depth		3.1 in (78 mm)	3.2 in (82 mm)	3.1 in (78 mm)	3.2 in (82 mm)
Operating load – ISO Rigid Tires		7,779 lb (3 528 kg)	7,883 lb (3 576 kg)	7,960 lb (3 611 kg)	8,059 lb (3 656 kg)
Operating load – ISO Deflected Tires		7,127 lb (3 233 kg)	7,225 lb (3 277 kg)	7,307 lb (3 314 kg)	7,400 lb (3 357 kg)
Maximum material density – ISO Rigid Tires		2,593 lb/yd ³ (1 539 kg/m ³)	2,816 lb/yd ³ (1 671 kg/m ³)	3,184 lb/yd ³ (1 889 kg/m ³)	3,358 lb/yd ³ (1 993 kg/m ³)
Maximum material density – ISO Deflected Tires		2,376 lb/yd ³ (1 410 kg/m ³)	2,580 lb/yd ³ (1 531 kg/m ³)	2,923 lb/yd ³ (1 734 kg/m ³)	3,083 lb/yd ³ (1 830 kg/m ³)
Tipping load – ISO Rigid Tires:	Straight	18,165 lb (8 240 kg)	18,393 lb (8 343 kg)	18,549 lb (8 414 kg)	18,765 lb (8 512 kg)
	40° turn	15,558 lb (7 057 kg)	15,767 lb (7 152 kg)	15,920 lb (7 221 kg)	16,118 lb (7 311 kg)
Tipping load – ISO Deflected Tires:	Straight	17,187 lb (7 796 kg)	17,404 lb (7 894 kg)	17,570 lb (7 970 kg)	17,775 lb (8 063 kg)
	40° turn	14,254 lb (6 466 kg)	14,450 lb (6 554 kg)	14,614 lb (6 629 kg)	14,800 lb (6 713 kg)
Lift capacity:	Full height	14,715 lb (6 675 kg)	14,799 lb (6 713 kg)	14,931 lb (6 772 kg)	15,015 lb (6 811 kg)
	Ground	23,380 lb (10 605 kg)	23,606 lb (10 707 kg)	23,840 lb (10 814 kg)	24,049 lb (10 908 kg)
Breakout force with tilt cylinder		20,843 lb (9 454 kg)	21,967 lb (9 964 kg)	23,336 lb (10 585 kg)	24,730 lb (11 217 kg)
Loader clearance circle with bucket		474.8 in (12 061 mm)	478.4 in (12 152 mm)	471.4 in (11 973 mm)	474.9 in (12 061 mm)

621G		Z-Bar/XR	Z-Bar/XR	Z-Bar/XR	Z-Bar/XR
Maximum rollback:	Ground	40°/40°	40°/40°	40°/40°	40°/40°
	Carry position	45°/46°	45°/46°	45°/46°	45°/46°
	@ Full height	55°/59°	55°/59°	55°/59°	55°/59°
Maximum grading angle with bucket – back dragging		61°/60°	63°/61°	60°/60°	61°/60°
SAE bucket capacity – struck		2.60 yd ³ (1.99 m ³)	2.40 yd ³ (1.83 m ³)	2.15 yd ³ (1.64 m ³)	2.05 yd ³ (1.57 m ³)
	Heaped	3.00 yd ³ (2.29 m ³)	2.80 yd ³ (2.14 m ³)	2.50 yd ³ (1.91 m ³)	2.40 yd ³ (1.83 m ³)
Bucket width – outside		102.4 in (2 602 mm)	102.1 in (2 593 mm)	102.4 in (2 602 mm)	102.1 in (2 593 mm)
Bucket weight		3,024 lb (1 372 kg)	2,944 lb (1 335 kg)	2,811 lb (1 275 kg)	2,731 lb (1 239 kg)

PERFORMANCE SPECS

621G XT		3.0 yd³ (2.29 m³) Bucket with Bolt-on Edge - JRB Coupler	2.8 yd³ (2.14 m³) Bucket with Teeth - JRB Coupler	2.5 yd³ (1.91 m³) Bucket with Bolt-on Edge - JRB Coupler	2.4 yd³ (1.8 m³) Bucket with Teeth - JRB Coupler
Operating weight		29,519 lb (13 389 kg)	29,442 lb (13 355 kg)	29,332 lb (13 305 kg)	29,253 lb (13 269 kg)
E. Operating height – fully raised with spillguard		216.7 in (5 505 mm)	216.7 in (5 505 mm)	212.0 in (5 386 mm)	212.0 in (5 386 mm)
F. Hinge pin height – fully raised		155.9 in (3 960 mm)	155.9 in (3 960 mm)	155.9 in (3 960 mm)	155.9 in (3 960 mm)
G. Overall length – bucket level on ground		307.8 in (7 818 mm)	313.5 in (7 963 mm)	302.2 in (7 676 mm)	307.7 in (7 817 mm)
Dump angle – fully raised		55°	55°	55°	55°
H. Dump height – fully raised, 45° dump		104.3 in (2 648 mm)	100.6 in (2 554 mm)	107.8 in (2 739 mm)	104.3 in (2 648 mm)
J. Bucket reach – fully raised, 45° dump		55.5 in (1 409 mm)	59.6 in (1 515 mm)	51.2 in (1 301 mm)	55.2 in (1 402 mm)
K. Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump		72.2 in (1 833 mm)	73.9 in (1 878 mm)	70.1 in (1 780 mm)	71.9 in (1 827 mm)
L. Dig depth		2.5 in (62 mm)	2.6 in (66 mm)	2.4 in (62 mm)	2.6 in (66 mm)
Operating load – ISO Rigid Tires		8,506 lb (3 858 kg)	8,616 lb (3 908 kg)	8,704 lb (3 948 kg)	8,421 lb (3 820 kg)
Operating load – ISO Deflected Tires		7,672 lb (3 480 kg)	7,774 lb (3 526 kg)	7,867 lb (3 568 kg)	7,617 lb (3 455 kg)
Maximum material density – ISO Rigid Tires		2,835 lb/yd ³ (1 682 kg/m ³)	3,077 lb/yd ³ (1 826 kg/m ³)	3,482 lb/yd ³ (2 066 kg/m ³)	3,509 lb/yd ³ (2 082 kg/m ³)
Maximum material density – ISO Deflected Tires		2,557 lb/yd ³ (1 517 kg/m ³)	2,776 lb/yd ³ (1 647 kg/m ³)	3,147 lb/yd ³ (1 867 kg/m ³)	3,174 lb/yd ³ (1 883 kg/m ³)
Tipping load – ISO Rigid Tires:	Straight	19,723 lb (8 946 kg)	19,963 lb (9 055 kg)	20,149 lb (9 140 kg)	19,480 lb (8 836 kg)
	40° turn	17,012 lb (7 716 kg)	17,233 lb (7 817 kg)	17,409 lb (7 896 kg)	16,843 lb (7 640 kg)
Tipping load – ISO Deflected Tires:	Straight	18,456 lb (8 372 kg)	18,683 lb (8 474 kg)	18,877 lb (8 562 kg)	18,262 lb (8 283 kg)
	40° turn	15,344 lb (6 960 kg)	15,548 lb (7 052 kg)	15,733 lb (7 136 kg)	15,235 lb (6 910 kg)
Lift capacity:	Full height	13,913 lb (6 311 kg)	14,055 lb (6 375 kg)	14,175 lb (6 430 kg)	13,985 lb (6 344 kg)
	Ground	26,995 lb (12 245 kg)	28,110 lb (12 750 kg)	28,545 lb (12 948 kg)	24,581 lb (11 150 kg)
Breakout force with tilt cylinder		20,671 lb (9 376 kg)	21,613 lb (9 803 kg)	22,854 lb (10 366 kg)	24,077 lb (10 921 kg)
Loader clearance circle with bucket		453.4 in (11 517 mm)	455.5 in (11 569 mm)	451.2 in (11 460 mm)	453.1 in (11 509 mm)

621G XT		3.0 yd³ (2.29 m³) Bucket with Bolt-on Edge - ACS Coupler	2.8 yd³ (2.14 m³) Bucket with Teeth - ACS Coupler	2.5 yd³ (1.91 m³) Bucket with Bolt-on Edge - ACS Coupler	2.4 yd³ (1.8 m³) Bucket with Teeth - ACS Coupler
Operating weight		29,852 lb (13 541 kg)	29,774 lb (13 505 kg)	29,639 lb (13 444 kg)	29,561 lb (13 409 kg)
E. Operating height – fully raised with spillguard		212.1 in (5 387 mm)	212.1 in (5 387 mm)	207.6 in (5 274 mm)	207.6 in (5 274 mm)
F. Hinge pin height – fully raised		155.9 in (3 959 mm)	155.9 in (3 959 mm)	155.9 in (3 959 mm)	155.9 in (3 959 mm)
G. Overall length – bucket level on ground		301.8 in (7 666 mm)	307.5 in (7 810 mm)	296.6 in (7 533 mm)	302.3 in (7 678 mm)
Dump angle – fully raised		55°	55°	55°	55°
H. Dump height – fully raised, 45° dump		108.1 in (2 745 mm)	104.4 in (2 653 mm)	111.5 in (2 831 mm)	107.8 in (2 737 mm)
J. Bucket reach – fully raised, 45° dump		50.9 in (1 293 mm)	55.1 in (1 399 mm)	46.9 in (1 191 mm)	51.0 in (1 296 mm)
K. Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump		69.9 in (1 776 mm)	71.9 in (1 826 mm)	67.7 in (1 721 mm)	69.8 in (1 774 mm)
L. Dig depth		2.5 in (63 mm)	2.6 in (65 mm)	2.5 in (62 mm)	2.6 in (67 mm)
Operating load – ISO Rigid Tires		8,755 lb (3 971 kg)	8,871 lb (4 024 kg)	8,948 lb (4 059 kg)	9,058 lb (4 109 kg)
Operating load – ISO Deflected Tires		7,883 lb (3 576 kg)	7,990 lb (3 624 kg)	8,077 lb (3 664 kg)	8,178 lb (3 709 kg)
Maximum material density – ISO Rigid Tires		2,918 lb/yd ³ (1 732 kg/m ³)	3,168 lb/yd ³ (1 880 kg/m ³)	3,579 lb/yd ³ (2 124 kg/m ³)	3,774 lb/yd ³ (2 239 kg/m ³)
Maximum material density – ISO Deflected Tires		2,628 lb/yd ³ (1 559 kg/m ³)	2,854 lb/yd ³ (1 693 kg/m ³)	3,231 lb/yd ³ (1 917 kg/m ³)	3,407 lb/yd ³ (2 022 kg/m ³)
Tipping load – ISO Rigid Tires:	Straight	20,330 lb (9 221 kg)	20,584 lb (9 337 kg)	20,741 lb (9 408 kg)	20,981 lb (9 517 kg)
	40° turn	17,509 lb (7 942 kg)	17,742 lb (8 048 kg)	17,895 lb (8 117 kg)	18,116 lb (8 217 kg)
Tipping load – ISO Deflected Tires:	Straight	19,002 lb (8 619 kg)	19,241 lb (8 727 kg)	19,415 lb (8 806 kg)	19,640 lb (8 908 kg)
	40° turn	15,766 lb (7 152 kg)	15,980 lb (7 248 kg)	16,154 lb (7 327 kg)	16,356 lb (7 419 kg)
Lift capacity:	Full height	13,929 lb (6 318 kg)	14,074 lb (6 384 kg)	14,197 lb (6 440 kg)	14,337 lb (6 503 kg)
	Ground	32,621 lb (14 797 kg)	34,152 lb (15 491 kg)	34,382 lb (15 596 kg)	35,919 lb (16 293 kg)
Breakout force with tilt cylinder		22,941 lb (10 406 kg)	24,092 lb (10 928 kg)	25,446 lb (11 542 kg)	26,841 lb (12 175 kg)
Loader clearance circle with bucket		451.0 in (11 456 mm)	453.0 in (11 506 mm)	449.0 in (11 405 mm)	450.9 in (11 454 mm)

621G		JRB/ACS	JRB/ACS	JRB/ACS	JRB/ACS
Maximum rollback:	Ground	57°/57°	57°/57°	57°/57°	57°/57°
	Carry position	59°/59°	59°/59°	59°/59°	59°/59°
	@ Full height	59°/59°	59°/59°	59°/59°	59°/59°
Maximum grading angle with bucket – back dragging		63°/62°	64°/63°	62°/60°	63°/62°
SAE bucket capacity – struck		2.60 yd ³ (1.99 m ³)	2.40 yd ³ (1.83 m ³)	2.15 yd ³ (1.64 m ³)	2.05 yd ³ (1.57 m ³)
	Heaped	3.00 yd ³ (2.29 m ³)	2.80 yd ³ (2.14 m ³)	2.50 yd ³ (1.91 m ³)	2.40 yd ³ (1.83 m ³)
Bucket width – outside		102.4 in (2 602 mm)	102.1 in (2 593 mm)	102.4 in (2 602 mm)	102.1 in (2 593 mm)
Bucket weight		2,797 lb/3,131 lb (1 269 kg)/(1 420 kg)	2,721 lb/3,053 lb (1 234 kg)/(1 385 kg)	2,610 lb/2,918 lb (1 184 kg)/(1 324 kg)	2,532 lb/2,840 lb (1 149 kg)/(1 288 kg)

NOTE: *Z-Bar performance data shown with full counterweight. Performance data unit equipped with 20.5-R25 Michelin XTLA (L2 Radial) tires, ROPS cab with heater and A/C, full counterweight, standard batteries, front and rear fenders, full fuel and 165 lb (75 kg) operator. Specifications per SAE J732, J1234, J695, J742 and J818.

STANDARD EQUIPMENT

OPERATOR ENVIRONMENT

See page 1

ENGINE

CASE/FPT F4HFE613W
Tier 4 Final Certified
Selective Catalytic Reduction (SCR) with Diesel Oxidation Catalyst
Selectable work modes:
Maximum Mode
Smart Mode
Turbocharger
Charge air cooling
Automatic belt tensioner
Integral engine oil cooling
Fuel filter with water trap
Dual-element dry-type air cleaner
Hydraulic-driven cooling fan
Air-cooled radiator
Mid-mounted cooling module with hydraulically driven auto-reversing fan
Engine block heater
Common rail electronic fuel injection

LOADER

See page 2 – Operating weight,
Other specifications

DRIVETRAIN

4-wheel drive
4F/3R Selectable autoshift/manual shift transmission
Electronic Control Module – programmable, computer controlled proportional shifting with programmable gear selection
Onboard diagnostics
Single lever electronic shift control
F/N/R switch in loader control handle
Downshift button
Torque converter
Limited-slip differentials – Z-Bar
Outboard planetary axles
Transmission oil cooler
Brake pedal transmission disconnect – declutch
Hydraulic wet disc brakes
Spring-applied hydraulic release parking brake
Limp-Home Mode
Greaseable rear axle trunnion
3-piece rims

HYDRAULICS

Adjustable Electro-hydraulic - EH loader control with one auxiliary function and 3 configurable buttons
Adjustable EH controls:
Smooth
Moderate
Aggressive
Auxiliary Hydraulics
Ride Control™
Locking hydraulics for hydraulic coupler
EH Parallel Lift
Low-effort steering
Hydraulic driven cooling fan
Diagnostic quick couplers
Hydraulic oil cooler

ELECTRICAL

Alternator and voltage regulator
Battery isolator/electrical disconnect
120 amp alternator
(2) 700 CCA 12-volt batteries
Electric starter
Lights:
Integrated 4-corner strobe
2 Front and 2 rear halogen flood lights
2 Front driving headlights – high/low beam with integrated turn signals
2 LED stop/tail lights with integrated turn signals
Key start/stop switch
Backup alarm
Centrally located fuse box with all electrical circuits protected
Remote jump start posts

OTHER

Electric hood lift
Front and rear fenders, partial coverage
External rear view mirrors
Heavy counterweight
Drawbar hitch
Articulation locking bar
Lift arm locking bar
Lift and tie-down points – front/rear
Rear frame side covers
License plate brackets; front bracket and lit rear bracket
Rubber steering stops
Grouped remote-mounted ecology drains:
Engine oil
Engine coolant
Hydraulic oil

TELEMATICS

CASE SiteWatch™ Telematics – includes hardware and a 3-yr Advanced data subscription
SiteConnect Module providing remote diagnostics capability

OPTIONAL EQUIPMENT

OPERATOR ENVIRONMENT

Cloth-covered heated air-suspension seat with headrest
Sound Shield noise suppression package
Bluetooth radio, 12V AM/FM with auxiliary input
Cab convenience package:
Rear sun shade, interior mirror, under the seat drawer, coat hook, 12V accessory port, and an ash tray
In cab powered cooler box
In cab accessory mount
Rear view camera
External heated rear view mirrors
Front LED driving/headlights
LED front and rear work lights – 4 front, 2 rear

DRIVETRAIN

5F/3R Autoshift/manual shift transmission, lockup torque converter, PowerInch de-clutch
Heavy-duty axles:
With locking front differential and open/conventional rear differential
Cold weather package:
Heavy-duty (2) 950 CCA 12V batteries
Fuel heater
Hydraulic oil cooler bypass
Low temperature hydraulic oil
Fast-warm hydraulic valve

HYDRAULICS

Secondary steering
Integrated Payload System
Tire Pressure Monitoring System
2-spool loader valves with joystick loader control
4-function loader valve with joystick loader control and two proportional auxiliary roller switches

LOADER

XR extended reach version
XT tool carrier version
Attachment auxiliary hydraulics
Coupler systems – JRB or ACS compatible
Buckets – see pages 4 through 8

TIRES

20.5x25 L2 bias (16 ply) – dirt/traction
20.5 x25 L3 bias (16 ply) – rock
20.5-R25 L2 radial – dirt/traction
20.5-R25 L3 radial – rock
20.5-R25 radial Michelin SnoPlus
Axle oscillation stops

GUARDING

Skid plate, transmission and front chassis bottom guards

ADVANCED ENGINE AIR FILTRATION

Heavy Debris cooling system:
Slanted cooling module cover
Increased cooling fin spacing
Added cooling module sealing
Sy-Klone® ejector type pre-cleaner

OTHER

Additional RH steps and platform with standard or wide fenders
12.4 mph (20 kph) maximum speed control
Special paint
Standard fenders with right and left hand steps
Wide full coverage fenders with right and left hand steps

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CASE Construction Equipment is biodiesel-friendly. NOTE: All engines meet current EPA emissions regulations. All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.



Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs and use any safety features provided.

Form No. CCE202104621G
Replaces Form No. CCE201910621G

621G

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CASE
CONSTRUCTION
SINCE 1842

G SERIES
WHEEL LOADERS



521G | 621G | 721G | 821G | 921G | 1021G | 1121G

THE MOST IMPORTANT CYCLE

Every CASE G Series wheel loader is built on uptime and new ways to simplify operation to give you more performance and productivity that turns uptime into profitability.

That is the most important cycle you run.

From lower total cost of ownership (TCO) and new ways to collaborate on fleet management, to the core truths of fuel efficiency, operator comfort and reliability in the most intense environments — CASE G Series wheel loaders deliver everything you need to get it all done.

New enhancements include:

- + **Simplify operation and centralize control with the all-new touchscreen display**
- + **Program your most commonly used settings and activate functions quicker with new configurable buttons**
- + **Independently set lift (boom) and tilt (bucket) performance to smooth, moderate or aggressive with new adjustable electro-hydraulic controls**
- + **Simplify operation with two power modes: Max and Smart. Max is for working all-out. Smart delivers high performance, smoother shifting, reduced tire wear and greater fuel efficiency**
- + **Greater material retention and performance with electro-hydraulic parallel lift***
- + **Improve load accuracy and reporting, and simplify acquisition, with a new fully integrated factory-built payload system****
- + **Greater connectivity improves telematics reporting, allows for remote diagnostics and software updates, and encourages powerful fleet management collaboration**

*Z-bar and XR configurations.

**Optional.



**LINKAGE FOR EVERY
APPLICATION**

CASE G Series wheel loaders offer numerous front linkage options, dependent on model: Z-bar, XR (extended reach) and XT* (tool carrier).



*Available on the 521G through 721G.

PRACTICAL INNOVATION. EASIER OPERATION.



A NEW STANDARD IN OPERATION
Access all critical machine settings and operational data through an all-new touchscreen display — as well as the optional rearview camera, the all-new optional integrated payload system, and the all-new Tire Pressure Monitoring System (TPMS).



CUSTOMIZED SETTINGS AND FUNCTIONS
Three new color-coded, configurable buttons on the armrest allow for quick and easy changes between settings and functions, such as engaging the rearview camera, engaging differential lock*, or accessing the integrated payload system. The three configurable buttons are then set to three different tasks or functions when working with the payload system.



INDEPENDENTLY CONTROL LIFT/TILT
Set lift (boom) and tilt (bucket) responsiveness to smooth, moderate or aggressive depending on the job or operator preference with new adjustable electro-hydraulic controls.

Pro Tip: The aggressive control on the bucket is perfect for feathering/metering in material as you top off hoppers or trucks, or cleaning out stubborn material stuck inside the bucket.



GET PARALLEL (IN ALL CONFIGURATIONS)
The new electro-hydraulic parallel lift feature (available on Z-bar and XR configurations) gives you the steady load-and-carry performance of a tool carrier across all configurations in the CASE G Series lineup (XT configurations provide mechanical self leveling).



OPERATE HOW YOU WANT
Power modes have been simplified from four down to two - Max and Smart. Max for when you need to go all out. Smart for improved fuel efficiency and reduced tire wear (without sacrificing performance).



KEEP INFLATED
Help ensure uptime and performance with properly inflated tires and the all-new Tire Pressure Monitoring System (TPMS). Proper tire inflation improves machine responsiveness and operator comfort, improves fuel economy, and reduces wear and tear on your tires. The system alerts operators and fleet management staff when tire inflation falls outside the desired range.

**When equipped.



ENJOY THE RIDE

Big power that rides easy — CASE G Series wheel loaders offer one of the industry's most comfortable and adjustable workstations matched with sweeping glass windows for extreme comfort and visibility.

Pro Tip: Get the Enhanced Visibility Package that bundles rearview camera, LED lights and heated mirrors for even greater visibility.



GET COMFORTABLE

Multiple ergonomic seat options with controls and armrests that move both with and independently of the seat.



DIAL IT IN

The membrane keypad controls multiple machine functions in easy reach of the operator, including programmable height control, return-to-dig, and the new electro-hydraulic parallel lift function.



RUN EASY

Simple ergonomic controls and joysticks reduce operator fatigue and make long days at the wheel a breeze.



SEE IT ALL

Greater visibility to all sides of the machine is achieved with a one-piece rounded windshield, a rear grid defroster, and external mirrors optimally placed to prevent operator fatigue. The optional rearview camera further improves operator awareness and confidence.

HOW WE EARNED YOUR TRUST

CASE G Series wheel loaders run every yard and pit with extreme fuel efficiency, lower operating temperatures, excellent power and productivity — along with a reputation for standing up to the toughest conditions. The proof:



SIPPIN' FUEL

Patented Tier 4 Final SCR engine technology meets emissions standards while maximizing fuel efficiency and performance — all while keeping engine compartment temperatures down with no DPF and no regen.



RUN COOL

The Mid-Mounted Cooling Module (521G-921G) provides greater rear visibility and pushes the engine back for greater counterweight, and the CASE Cooling Cube (1021G-1121G) keeps the engine cool with excellent access to all coolers.



LIGHT IT UP

An LED light package with two front drive lights, four front working lights and two rear working lights - along with standard integrated four-corner strobes - helps operators see and be seen in all operations.



KEEP IT ALL

Standard Ride Control provides excellent material retention and control over rough terrain, while reducing shock loads on the machine and operator.



DRIVE ANY SITE

CASE G Series wheel loaders feature a number of axle options to match the type of conditions and terrain you run on, including standard limited-slip front (521G-821G) and rear, auto locking front, and conventional or open rear.



SHORTEN CYCLE TIMES

The optional five-speed PowerShift transmission with lock-up torque converter (621G-921G) provides faster acceleration and roading speeds up to 25 mph. And Powerinch provides incredible accuracy and control in tight loading areas, regardless of engine speed or grade.





SiteSolutions

UPTIME. CONNECTED.

Greater connectivity improves telematics performance, allows for remote diagnostics and software updates, and makes CASE and your local dealer the most powerful fleet management partners you have.



THE CASE UPTIME CENTER

CASE technical experts monitor telematics data from your equipment* to provide even more support and analysis to your operation. CASE and your local dealer service teams will work together as a powerful extension of your own fleet management activities to proactively identify possible issues with operation and performance, work together on solutions, and provide you with the support you need to optimize your uptime.

SiteConnect Module Onboard

The new SiteConnect Module improves the volume, flow and integration of data to the CASE SiteWatch telematics platform — and makes remote diagnostics, code clearing and software updates possible. When you see this symbol on CASE equipment, you know you're connected.



CASE SiteWatch

The all-new CASE SiteWatch telematics platform delivers a new and intuitive dashboard, simplified navigation and practical reporting capabilities that improve everything from preventive maintenance and fleet health to employee productivity. The connectivity of the SiteConnect Module allows for new reporting and ticketing with payload systems, new alerts for Tire Pressure Monitoring Systems (TPMS) and more, and a greater flow of information to fleet management partners such as CASE and your local CASE dealer.



CASE SiteManager

The CASE SiteManager App (iOS and Android) helps make quick work of downtime by allowing your CASE dealer to have remote access to your machine, diagnose a problem, clear codes and, if needed, provide a quick software update. If a field visit is required, the dealer tech arrives on site with the parts and tools needed to get that machine up and running quicker.

Pro Tip: The purpose-built, factory integrated system allows for payload functionality to be added to your fleet without requiring separate financing, acquisition and installation — the system is entirely turnkey.

*When agreed to by the equipment owner.

MAKE WEIGHT. EVERY TIME.

The all-new optional CASE G Series payload system is integrated directly into the loader's primary display and provides bucket weight, pass counts, accumulated/running weight, job tracking data and more for high-volume loading and production environments. This allows operators to precisely load each truck to reduce under/overload situations, and cumulatively track the total weight of material loaded into each truck. It also helps operators track total loads and total volume of material moved over a period of time, and can also track history by customer, truck, or material, as well as provide ticket histories.



IN PITS AND QUARRIES

Cut down on topping off trucks at the scale and situations where trucks have to dump material because they are overweight, or drive to a site underloaded because the operator was light with each bucket.



IN GENERAL CONSTRUCTION

Keep track of the amount of material loaded off of each site, and ensure that your trucks are in compliance with local weight restrictions.



IN AGRICULTURAL OPERATIONS

The payload system serves as another proof point/check on measurements, such as the amount of lime being applied to a field, or the amount of ingredients applied to a feed mix.



SITEWATCH INTEGRATION

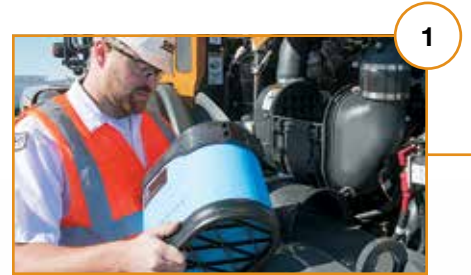
SiteWatch enables full integration with the all-new payload system to provide payload reports, ticket details and overall performance information.



INDUSTRY-LEADING GROUNDLINE ACCESS

WE MAKE MAINTENANCE SIMPLE

G Series wheel loaders feature an electric rear hood lift* that provides easy access to the engine compartment for excellent groundline serviceability. All major regular service points can be accessed from ground level, meaning daily maintenance can be completed in a matter of minutes.



2

3

4



NO TOOLS NEEDED

The G Series continues the CASE hallmark of simple serviceability with features like tool-free access to the oil cooler, radiator and other routine maintenance points.

EASY ACCESS TO EVERYTHING

- 1 Engine filter
- 2 Electric rear hood lift*
- 3 Mid-Mounted Cooling Module (1021G and 1121G feature the CASE Cooling Cube)
- 4 Hydraulic tank site gauge
- 5 Grouped grease points
- 6 Jump-start posts
- 7 Environmental drain ports
- 8 HVAC fresh air filter and recirculation air filter
- 9 Fuel/DEF fill
- 10 Engine oil check and fill
- 11 Tire Pressure Monitoring System (TPMS)

*Available on 621G-1121G models



Protected by
ProCare

FACTORY WARRANTY
PLANNED MAINTENANCE
TELEMATICS



**3-yr/3000-hr
Full-Machine Factory
Limited Warranty***
STANDARD



**3-yr/2000-hr
Planned Maintenance**
STANDARD



**3-yr
SiteWatch™ Subscription**
STANDARD

GO BIG, WE'VE GOT YOU COVERED

CASE ProCare is the industry's most comprehensive and standard-from-the-factory heavy machine support program that's as powerful as the equipment it protects. Best of all, ProCare comes standard on all new G Series wheel loaders and keeps you covered for up to three years. It's the assurance businesses need to stay competitive, productive and profitable.





SUPPORT COMES STANDARD



STRONGER PRODUCT SUPPORT SOLUTIONS

Your CASE dealer knows how you can best maximize your equipment investment and uptime — with genuine CASE parts, expert service and a complete range of product support solutions including CASE remanufactured and all-makes parts. CASE supports better parts availability and faster deliveries through nine parts distribution centers in North America and a forecasting system to ensure that the right parts will be there when you need them. And only CASE dealers have exclusive access to the Electronic Service Tool (EST) that quickly pinpoints machine issues. Just ask your dealer for details.



FLEXIBLE FINANCIAL OPTIONS

Specialized finance programs and flexible leasing packages are available for industry-leading CASE equipment while no-nonsense warranties and comprehensive protection plans ensure that your equipment is protected. As the only finance company dedicated to CASE, we offer strong products and services designed around your unique service needs.

*See your dealer for the complete terms of CNH Industrial's Warranty and Limitations of Liability, which contains certain limits and exclusions. ProCare is a factory-fit program available on new heavy machine orders.

ATTACHED TO VERSATILITY



INTEGRATED HYDRAULIC QUICK-COUPLER

CASE offers an integrated hydraulic quick-coupler on our wheel loaders that lets operators conveniently switch out attachments from the comfort of the cab. Its factory-built design offers improved visibility and won't alter the physics or breakout force of the machine like after-market options will.

140 ATTACHMENTS AND THEN SOME

G Series wheel loaders work with more than 140 CASE attachments, including buckets, forks, brooms and more. CASE also has partnerships with numerous attachment manufacturers for even greater versatility. Consult your dealer for details.

SMARTFIT™ BUCKET TEETH

G Series buckets come standard with the innovative SmartFit bucket tooth system. These heavy-duty, self-sharpening teeth combine exceptional strength and unmatched ease of installation thanks to a hammerless fastener system with reusable locking pins. Available in a full range of styles.

DIMENSIONS

AND SPECIFICATIONS

SPECIFICATIONS	521G	621G	721G	821G	921G	1021G	1121G
Engine	FPT F4HFE413NB	FPT F4HFE613W	FPT F4HFE613T	FPT F4HFE613S	FPT F4HFE613R	FPT F2CFE614H	FPT F2CFE614F
Emissions Certification	Tier 4 Final	Tier 4 Final	Tier 4 Final	Tier 4 Final	Tier 4 Final	Tier 4 Final	Tier 4 Final
Displacement – in³ (L)	275 (4.5)	411 (6.7)	411 (6.7)	411 (6.7)	411 (6.7)	531 (8.7)	531 (8.7)
Cylinders	4-cylinder in-line	6-cylinder in-line	6-cylinder in-line	6-cylinder in-line	6-cylinder in-line	6-cylinder in-line	6-cylinder in-line
Net Horsepower – hp (kW)	131 (98)	162 (121)	179 (133)	213 (159)	242 (180)	304 (227)	329 (245)
Net Peak Torque – lb-ft (Nm)	424 (575)	510 (692)	674 (914)	845 (1 145)	930 (1 261)	1,057 (1 433)	1,154 (1 564)
Operating Weight – lb (kg)	24,203 (10 978)	28,254 (12 816)	32,633 (14 802)	40,057 (18 170)	45,070 (20 443)	56,365 (25 567)	61,650 (27 964)
Breakout Force – lb (kg)	20,934 (9 495)	24,031 (10 900)	30,485 (13 828)	35,288 (16 007)	37,688 (17 095)	45,056 (20 437)	49,934 (22 650)
Full Turn Tipping Load, ISO Deflected Tires – lb (kg)	16,159 (7 330)	18,749 (8 504)	20,212 (9 168)	24,515 (11 120)	28,529 (12 940)	35,717 (16 201)	38,454 (17 443)
Transmission Gears	4F/3R	4 or 5F/3R	4 or 5F/3R	4 or 5F/3R	4 or 5F/3R	4F/3R	4F/3R
Pin-on Bucket Size: GP with Bolt-on-Edge – yd³ (m³)	2.1 (1.6)	3.0 (2.3)	3.5 (2.7)	4.25 (3.2)	4.75 (3.6)	5.5 (4.2)	6.25 (4.8)
Max. Material Density, ISO – lb/yd³ (kg/m³)	3,847 (2 283)	3,125 (1 854)	2,887 (1 713)	2,884 (1 711)	3,003 (1 782)	3,247 (1 927)	3,076 (1 825)
DIMENSIONS	521G	621G	721G	821G	921G	1021G	1121G
Height to Top of ROPS Cab	128.9 in (3 275 mm)	133.2 in (3 384 mm)	133.0 in (3 378 mm)	136.2 in (3 460 mm)	136.4 in (3 464 mm)	140.8 in (3 577 mm)	140.8 in (3 576 mm)
Hinge Pin Height	142.0 in (3 606 mm)	150.9 in (3 833 mm)	156.5 in (3 976 mm)	162.2 in (4 120 mm)	162.4 in (4 124 mm)	167.2 in (4 246 mm)	175.2 in (4 449 mm)
Dump Height – Fully Raised, 45° Dump	108.7 in (2 760 mm)	110.4 in (2 804 mm)	113.7 in (2 888 mm)	117.3 in (2 981 mm)	114.6 in (2 912 mm)	121.2 in (3 078 mm)	126.3 in (3 209 mm)
Operating Height – Fully Raised with Spillguard	181.6 in (4 613 mm)	198.6 in (5 044 mm)	208.4 in (5 294 mm)	215.4 in (5 471 mm)	220.1 in (5 589 mm)	229.3 in (5 824 mm)	242.0 in (6 147 mm)
Bucket Reach – Fully Raised, 45° Dump	37.9 in (962 mm)	39.8 in (1 010 mm)	46.0 in (1 169 mm)	43.4 in (1 102 mm)	46.8 in (1 189 mm)	49.8 in (1 265 mm)	50.1 in (1 273 mm)
Wheelbase	108.3 in (2 750 mm)	114.2 in (2 900 mm)	128.1 in (3 253 mm)	131.5 in (3 340 mm)	131.5 in (3 340 mm)	139.8 in (3 550 mm)	139.8 in (3 550 mm)
Overall Length – Bucket Level on Ground	260.3 in (6 612 mm)	290.6 in (7 380 mm)	304.0 in (7 721 mm)	315.1 in (8 004 mm)	322.7 in (8 198 mm)	352.3 in (8 948 mm)	361.1 in (9 172 mm)
Ground Clearance	13.4 in (341 mm)	15.3 in (389 mm)	15.1 in (384 mm)	17.0 in (431 mm)	17.1 in (435 mm)	17.2 in (437 mm)	17.2 in (437 mm)
Overall Width without Bucket	96.4 in (2 448 mm)	97.6 in (2 478 mm)	100.7 in (2 558 mm)	111.4 in (2 829 mm)	111.4 in (2 829 mm)	117.2 in (2 978 mm)	117.2 in (2 978 mm)
Angle of Departure	30°	25°	29°	29°	29°	23°	23°



BUILDING A STRONG CASE.

Since 1842, we at CASE Construction Equipment have lived by an unwavering commitment to build practical, intuitive solutions that deliver both efficiency and productivity.

We continually strive to make it easier for our customers to implement emerging technologies and new compliance mandates.

Today, our global scale combined with our local expertise enables us to keep customers' real-world challenges at the center of our product development. This focus has led to numerous innovations like Ride Control™, electro-hydraulic controls, Blade Shake, PowerLift™, over-center boom design and the peace of mind that only CASE ProCare provides.

Every CASE machine is backed by more than 300 North American dealer locations, thousands of OEM, remanufactured and all-makes parts, and flexible financing and insurance options that provide the kind of reliable, steadfast support you expect from a professional partner.

We are passionate about improving the lives of others, whether investing in our veterans or raising awareness about local infrastructure initiatives through Dire States. Our goal is to build both stronger machines — and stronger communities.

At the end of the day, we do what's right by our customers and our communities so that they can count on CASE.

CaseCE.com/GSeries

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IMPORTANT: CASE Construction Equipment Inc. reserves the right to change these specifications without notice and without incurring any obligation relating to such change. Availability of some models and equipment builds vary according to the country in which the equipment is used. The illustrations and text may include optional equipment and accessories and may not include all standard equipment. Your CASE dealer/distributor will be able to give you details of the products and their specifications available in your area.



CASE Construction Equipment is biodiesel-friendly.

NOTE: All engines meet current EPA emissions regulations. All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.



Always read the Operator's Manual before operating equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs and use any safety features provided.