

State of Nebraska - INVITATION TO BID CONTRACT

Return to:
State Purchasing Bureau
1526 K Street, Suite 130
Lincoln, Nebraska 68508

Telephone: 402-471-6500
Fax: 402-471-2089

| | | | |
|------------------------------|---------------------|-------------|--------|
| Date | 6/2/20 | Page | 1 of 2 |
| Solicitation Number | 6309 OF | | |
| Opening Date and Time | 06/15/20 | 2:00 pm | |
| Buyer | CHRISTIE KELLY (AS) | | |

DESTINATION OF GOODS
MULTIPLE DELIVERY LOCATIONS
PLEASE REFER TO DOCUMENTATION
FOR DELIVERY ADDRESSES.

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 All Wheel Drive Loader with Minimum 3.8 Cubic Yard Bucket 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.

MH 6/2/20

INVITATION

| Line | Description | Quantity | Unit of Measure | Unit Price | Extended Price |
|------|---|----------|-----------------|--------------|----------------|
| 1 | ARTICULATED ALL WHEEL DRIVE LOADER W/MIN 3.8 CY BUCKET | 2.0000 | EA | \$199,890.00 | \$399,780.00 |
| 2 | QUICK HITCH WITH SPECIFIED BUCKET | 2.0000 | EA | \$10,804.00 | \$21,608.00 |
| 3 | QUICK ATTACH FORKLIFT ASSEMBLY | 2.0000 | EA | \$8,755.00 | \$17,510.00 |
| 4 | MULTI PURPOSE BUCKET | 2.0000 | EA | \$10,625.00 | \$21,250.00 |
| 5 | GRAPPLE FORK ATTACHMENT | 2.0000 | EA | \$9,210.00 | \$18,420.00 |

BIDDER MUST COMPLETE THE FOLLOWING

DISCOUNT PAYMENT TERMS: 100 % 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 (see Section III) and certifies that bidder maintains a drug free work place environment. Vendor will furnish the items requested within 120 days after receipt of order. Failure to enter Delivery Date may cause quotation to be REJECTED.

Sign _____
Here (Authorized Signature **MANDATORY - MUST BE SIGNED IN INK**)

Enter Contact Information Below

VENDOR# 2348044
VENDOR: Bobcat of Omaha
Address: 8701 South 145th Street
Omaha, NE 68138

Contact Alan Makovicka
Telephone 402-895-6660
Facsimile 402-884-2497
Email alanmakovicka@bobcat-omaha.com

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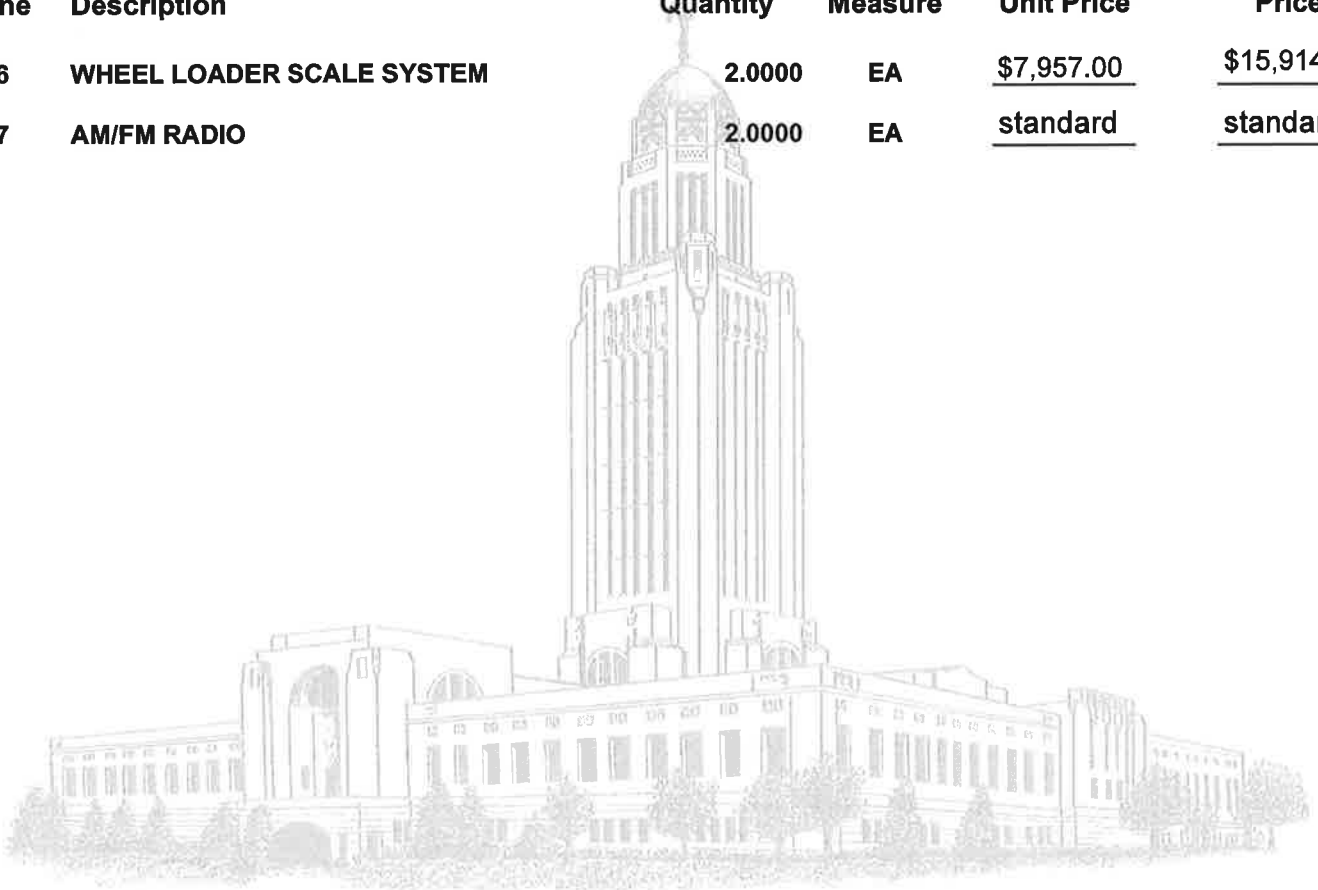
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| Line | Description | Quantity | Unit of Measure | Unit Price | Extended Price |
|------|---------------------------|----------|-----------------|-------------------|--------------------|
| 6 | WHEEL LOADER SCALE SYSTEM | 2.0000 | EA | <u>\$7,957.00</u> | <u>\$15,914.00</u> |
| 7 | AM/FM RADIO | 2.0000 | EA | <u>standard</u> | <u>standard</u> |



INVITATION TO BID

Number 6309 OF

The State of Nebraska (State), Department of Administrative Services (DAS), Materiel Division, State Purchasing Bureau (SPB), is issuing this solicitation for a commodity contract, ITB Number 6309 OF for the purpose of selecting a qualified Contractor to provide **Articulated All Wheel Drive Loader with Minimum 3.8 Cubic Yard Bucket**. 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 SOLICITATION CAN BE FOUND ON THE INTERNET AT:

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

IMPORTANT NOTICE: Pursuant to Neb. Rev. Stat. § 84-602.02, State contracts in effect as of January 1, 2014, and contracts entered into thereafter, must be posted to a public website. The resulting contract, the solicitation, and the successful Contractor's proposal or response will be posted to a public website managed by DAS, which can be found at:

<https://statecontracts.nebraska.gov>

In addition and in furtherance of the State's public records statute (Neb. Rev. Stat. § 84-712 et seq.) all proposals or responses received regarding this solicitation will be posted to the SPB website.

These postings will include the entire proposal or response. Contractor must request that proprietary information be excluded from the posting. The Contractor must identify the proprietary information, mark the proprietary information according to state law, and submit the proprietary information in a separate container or envelope marked conspicuously using an indelible method with the words "PROPRIETARY INFORMATION". The Contractor must submit a **detailed written document showing** that the release of the proprietary information would give a business advantage to named business competitor(s) and explain how the named business competitor(s) will gain an actual business advantage by disclosure of information. 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 CONTRACTOR MAY NOT ASSERT THAT THE ENTIRE PROPOSAL OR RESPONSE IS PROPRIETARY. COST WILL NOT BE CONSIDERED PROPRIETARY AND IS A PUBLIC RECORD IN THE STATE OF NEBRASKA.** The State will then determine, in its discretion, if the interests served by nondisclosure outweighs any public purpose served by disclosure. (See Neb. Rev. Stat. § 84-712.05(3)) The Contractor will be notified of the agency's decision. Absent a State determination that information is proprietary, the State will consider all information a public record subject to release regardless of any assertion that the information is proprietary.

If the agency determines it is required to release proprietary information, the Contractor will be informed. It will be the Contractor's responsibility to defend the Contractor's asserted interest in non-disclosure.

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

Any entity awarded a contract or submitting a proposal or response to the solicitation 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 proposals and responses to the solicitation, 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 (ACH): Electronic network for financial transactions in the United States

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

Best and Final Offer (BAFO): In a competitive proposal, the final offer submitted which contains contractor's most favorable terms for price

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

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

Business: Any corporation, partnership, individual, sole proprietorship, joint-stock company, joint venture, or any other private legal entity

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 proposal, purchase order or contract without expectation of conducting or performing at a later time

Change Order: Document that provides amendments to an executed purchase order

Collusion: An agreement or cooperation between two 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 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 Contractor

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 Contractor

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 solicitation or contract

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

Evaluation Committee: Committee(s) appointed by the requesting agency that advises and assists the procuring office in the evaluation of proposal/s (offers made in response to written solicitations)

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 (F.O.B.) Destination: The delivery charges are included in the quoted price and prepaid by the contractor. Contractor is responsible for all claims associated with damages during delivery of product

Free on Board (F.O.B.) Point of Origin: The delivery charges are not included in the quoted price and are the responsibility of the agency. Agency 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.

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 Proposal: A proposal that does not meet the requirements of the solicitation or cannot be evaluated against the other proposals.

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

Late Proposal: 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 Contractor 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

Must: See "Mandatory".

National Institute for Governmental Purchasing (NIGP): National Institute of 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 proposals

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

Pre-Proposal Conference: A meeting scheduled for the purpose of clarifying a written solicitation and related expectations

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

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

Quote: See Proposal

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 Contractor.

Release Date: The date of public release of the written solicitation 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 (RFI): A general invitation to contractor is requesting information for a potential future solicitation. The RFI is typically used as a research and information gathering tool for preparation of a solicitation

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

Responsive Contractor: A Contractor who has submitted a proposal which conforms to all requirements of the solicitation 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 contractor enters a contract to perform a portion of the work awarded to the contractor

System (see Module): Any collection or aggregation of two (2) or more Modules that is designed to function, or is represented by the Contractor 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 contractor 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 solicitation specifications.

Vendor: Inclusive term for any Bidder or Contractor.

Will: See "Mandatory".

Work Day: See Business Day

ACRONYM LIST

ARO – After Receipt of Order

ACH – Automated Clearing House

BAFO – Best and Final Offer

COI – Certificate of Insurance

DAS – Department of Administrative Services

FOB – Free on Board

ISO – International Organization for Standardization

ITB – Invitation to Bid

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

PA – Participating Addendum

PFC – Payroll and Financial Center

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

VHP – Vaporized Hydrogen Peroxide

I. PROCUREMENT PROCEDURE

A. GENERAL INFORMATION

The solicitation is designed to solicit proposals from qualified Contractors who will be responsible for providing **Articulated All Wheel Drive Loader with Minimum 3.8 Cubic Yard Bucket** at a competitive and reasonable cost. Terms and Conditions, Project Description and Scope of Work, Proposal instructions, and Cost Proposal Requirements may be found in Sections II through VI.

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

B. PROCURING OFFICE AND COMMUNICATION WITH STATE STAFF AND EVALUATORS

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

Name: Christie Kelly
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 solicitation is issued until the Intent to Award is issued, communication from the Contractor is limited to the POC listed above. After the Intent to Award is issued, the Contractor 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 solicitation. The POC will issue any answers, clarifications or amendments regarding this solicitation in writing. Only the SPB or awarding agency can award a contract. Contractors shall not have any communication with, or attempt to communicate or influence any evaluator involved in this solicitation.

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 contractor's proposal, 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 solicitation | May 27, 2020 |
| 2. | Last day to submit written questions | June 1, 2020 |
| 3. | State responds to written questions through a solicitation "Addendum" and/or "Amendment" to be posted to the Internet at: http://das.nebraska.gov/materiel/purchasing.html | June 8, 2020 |
| 4. | Proposal Opening Location: State Purchasing Bureau 1526 K Street, Suite 130 Lincoln, NE 68508 | June 15, 2020 2:00 PM Central Time |

D. WRITTEN QUESTIONS AND ANSWERS

Questions regarding the meaning or interpretation of any solicitation provision must be submitted in writing to SPB and clearly marked "ITB Number 6309 OF; **Articulated All Wheel Drive Loader with Minimum 3.8 Cubic Yard Bucket Questions**". POC is not obligated to respond to questions that are received late per the Schedule of Events.

Contractors should present, as questions, any assumptions upon which the Contractor's proposal is or might be developed. Proposals will be evaluated without consideration of any known or unknown assumptions of a Contractor. The contract will not incorporate any known or unknown assumptions of a Contractor.

It is preferred that questions be sent via e-mail to as.materielpurchasing@nebraska.gov, but may be delivered by hand or by U.S. Mail. It is recommended that Contractors submit questions using the following format.

| Solicitation Section Reference | Solicitation 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 Contractors must be authorized to transact business in the State and comply with all Nebraska Secretary of State Registration requirements. The Contractor 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 proposals, withdraw an intent to award or award, or terminate a contract if a Contractor 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 proposal on behalf of another party or entity;
5. Collude with any person or entity to influence the bidding process, submit sham proposals, preclude bidding, fix pricing or costs, create an unfair advantage, subvert the proposal, or prejudice the State.

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

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

G. DEVIATIONS FROM THE INVITATION TO BID

The requirements contained in the solicitation (Sections II through VI) become a part of the terms and conditions of the contract resulting from this solicitation. Any deviations from the solicitation in Sections II through VI must be clearly defined by the Contractor in its proposal 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 solicitation, solicitation requirements, or applicable state or federal laws or statutes. "Deviation", for the purposes of this solicitation, means any proposed changes or alterations to either the contractual language or deliverables within the scope of this solicitation. The State discourages deviations and reserves the right to reject proposed deviations.

H. SUBMISSION OF PROPOSALS

*****ALL PROPOSALS MUST BE SUBMITTED IN A SEALED ENVELOPE OR CONTAINER!*****

Contractors should submit one proposal marked on the first page: "ORIGINAL". If multiple proposals are submitted, the State will retain one copy marked "ORIGINAL" and destroy the other copies. The Contractor is solely responsible for any variance between the copies submitted. Proposals must reference the ITB number and be sent to the specified address. Please note that the address label should appear as specified in Section I B. on the face of each container or contractor's proposal response packet. If a recipient phone number is required for delivery purposes, 402-471-6500 should be used. The ITB number should be included in all correspondence. The State will not furnish packaging and sealing materials. It is the contractor's responsibility to ensure the ITB is received in a sealed envelope or container and submitted by the date and time indicated in the Schedule of Events. Sealed proposals must be received in the State Purchasing Bureau by the date and time of the proposal opening per the Schedule of Events. No late proposals will be accepted.

The Invitation to Bid form must be manually signed in an indelible manner and returned by the proposal opening date and time along with the contractor's Invitation to Bid along with any other requirements as stated in the Invitation to Bid document in order for the contractor's Invitation to Bid response to be evaluated.

It is the responsibility of the contractor to check the website for all information relevant to this Invitation to Bid to include addenda and/or amendments issued prior to the opening date. Website address is as follows:
<http://das.nebraska.gov/materiel/purchasing.html>

Emphasis should be concentrated on conformance to the ITB instructions, responsiveness to requirements, completeness, and clarity of content. If the contractor's proposal is presented in such a fashion that makes evaluation difficult or overly time consuming the State reserves the right to reject the proposal as non-conforming.

By signing the Invitation to Bid, the contractor guarantees compliance with the provisions stated in this ITB.

The State shall not incur any liability for any costs incurred by contractors in replying to this ITB, in the demonstrations and/or oral presentations, or in any other activity related to bidding on this ITB.

I. PROPOSAL PREPARATION COSTS

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

J. FAILURE TO COMPLY WITH INVITATION TO BID

Violation of the terms and conditions contained in this solicitation 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 Contractor's proposal;
2. Withdrawal of the Intent to Award;
3. Withdrawal of the Award;
4. Negative Vendor Performance Report(s)
5. Termination of the resulting contract;
6. Legal action; or,
7. Suspension of the Contractor 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. PROPOSAL CORRECTIONS

A contractor may correct a mistake in a proposal prior to the time of opening by giving written notice to the State of intent to withdraw the proposal for modification or to withdraw the proposal completely. Changing a proposal 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 PROPOSALS

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

M. PROPOSAL 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 proposal for goods, the buyer may read the proposals aloud or allow proposals be available for viewing by the public during the proposal opening. Once the proposal opening has concluded, the proposals will not be available for viewing until the Intent to Award has been posted. An initial proposal tabulation will be posted to the website as soon as feasible. Information identified as proprietary by the submitting contractor, in accordance with the solicitation 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 contractor will be notified of the release and it shall be the obligation of the submitting contractor to take further action, if it believes the information should not be released.

N. INVITATION TO BID/PROPOSAL REQUIREMENTS

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

1. Original Commodity ITB form signed using an indelible method (electronic signatures are acceptable);
2. Clarity and responsiveness of the proposal;
3. Completed Sections II through VI;
4. Completed ITB Document or State's Cost Sheet.

O. EVALUATION COMMITTEE

Proposals are evaluated by members of an Evaluation Committee(s). The Evaluation Committee(s) will consist of individuals selected at the discretion of the State. Names of the members of the Evaluation Committee(s) will not be published prior to the intent to award.

Any contact, attempted contact, or attempt to influence an evaluator that is involved with this solicitation may result in the rejection of this proposal and further administrative actions.

P. EVALUATION OF PROPOSALS

All proposals that are responsive to the solicitation will be evaluated based on the following:

1. Cost Proposal

Neb. Rev. Stat. § 81-161 allows the quality of performance of previous contracts to be considered when evaluating responses to competitively bid solicitations in determining the lowest responsible bidder. Information obtained from any Vendor Performance Report (See Terms & Conditions, Section H) may be used in evaluating responses to solicitations 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 contractor, 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 contractor, 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 proposal in accordance with Neb. Rev. Stat. § 73-107 and has so indicated on the ITB cover page under "Contractor 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 contractor 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 contractor from consideration of the preference.

Q. BEST AND FINAL OFFER

If best and final offers (BAFO) are requested by the State and submitted by the contractor, 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 contractor. However, a contractor should provide its best offer in its original proposal. Contractors should not expect that the State will request a BAFO.

R. 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 proposal in response to this solicitation, the contractor grants to the State the right to contact or arrange a visit in person with any or all of the contractor's clients. Reference and credit checks may be grounds to reject a proposal, withdraw an intent to award, or rescind the award of a contract.

S. AWARD

The State reserves the right to evaluate proposals 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 proposals, or at any point in the solicitation process, the State of Nebraska may take one or more of the following actions:

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

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

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

The solicitation 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:

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

Any protests must be filed by a contractor 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:

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

T. 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 Contractor may offer any brands which meets or exceeds the specification. When a specific product is required, the solicitation will so state. Any item proposal 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.

U. ALTERNATE/EQUIVALENT PROPOSALS

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

V. LUMP SUM OR "ALL OR NONE" PROPOSALS

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

W. EMAIL SUBMISSIONS

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

X. PROPOSAL TABULATIONS

Proposal tabulations are available on the website at: <http://www.das.state.ne.us/materiel/purchasing/bidtabs.htm>.

Y. REJECTION OF PROPOSALS

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

Z. 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

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

The Contractor should submit with their proposal any license, user agreement, service level agreement, or similar documents that the Contractor wants incorporated in the Contract. Upon notice of Intent to Award, the Contractor 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 Contractor's proposal. 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 (Initial) | NOTES/COMMENTS: |
|---|---------------------|---|-----------------|
|  | | | |

The contract resulting from this solicitation shall incorporate the following documents:


1. Invitation to Bid and Addenda;
2. Amendments to the solicitation;
3. Questions and Answers;
4. Contractor's proposal response;
5. The executed Contract and any Addenda, if applicable, and properly submitted documents; and,
6. Amendments to the Contract

These documents constitute the entirety of 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 solicitation and any Questions and Answers, 4) the original solicitation document and any Addenda, and 5) the Contractor's submitted Proposal.

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 (Initial) | NOTES/COMMENTS: |
|---|------------------|--|-----------------|
|  | | | |

Contractor and State shall identify the contract manager who shall serve as the point of contact for the executed contract.

Communications regarding the executed contract shall be in writing and shall be deemed to have been given if delivered personally or mailed, by U.S. Mail, postage prepaid, return receipt requested, to the parties at their respective addresses set forth below, or at such other addresses as may be specified in writing by either of the parties. All notices, requests, or communications shall be deemed effective upon personal delivery or five (5) calendar days following deposit in the mail.

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. BUYER'S REPRESENTATIVE

The State reserves the right to appoint a Buyer's Representative to manage [or assist the Buyer in managing] the contract on behalf of the State. The Buyer's Representative will be appointed in writing, and the appointment document will specify the extent of the Buyer's Representative authority and responsibilities. If a Buyer's Representative is appointed, the Contractor will be provided a copy of the appointment document, and is expected to cooperate accordingly with the Buyer's Representative. The Buyer'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. CHANGE ORDERS OR SUBSTITUTIONS

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

The State and the Contractor, upon the written agreement, may make changes to the contract within the general scope of the solicitation. Changes may involve specifications, the quantity of work, or such other items as the State may find necessary or desirable. Corrections of any deliverable, service, or work required pursuant to the contract shall not be deemed a change. The Contractor may not claim forfeiture of the contract by reasons of such changes.

The Contractor shall prepare a written description of the work required due to the change and an itemized cost sheet for the change. Changes in work and the amount of compensation to be paid to the Contractor shall be determined in accordance with applicable unit prices if any, a pro-rated value, or through negotiations. The State shall not incur a price increase for changes that should have been included in the Contractor's proposal, were foreseeable, or result from difficulties with or failure of the Contractor's proposal or performance.

No change shall be implemented by the Contractor until approved by the State, and the Contract is amended to reflect the change and associated costs, if any. If there is a dispute regarding the cost, but both parties agree that immediate implementation is necessary, the change may be implemented, and cost negotiations may continue with both Parties retaining all remedies under the contract and law.

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.

*****Contractor 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 (Initial) | NOTES/COMMENTS: |
|---|------------------|--|-----------------|
|  | | | |


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 solicitation specifications. The State Purchasing Bureau may contact the Vendor regarding any such report. Vendor performance report(s) will become a part of the permanent record of the Vendor.

H. NOTICE OF POTENTIAL CONTRACTOR BREACH

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

If Contractor breaches the contract or anticipates breaching the contract, the Contractor 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 (Initial) | NOTES/COMMENTS: |
|---|------------------|--|-----------------|
|  | | | |

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 Contractor, 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 contractor. The State may recover from the Contractor 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 Contractor's breach. OR In case of default of the Contractor, the State may contract the service from other sources and hold the Contractor responsible for any excess cost occasioned thereby.

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

J. NON-WAIVER OF BREACH

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


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 (Initial) | NOTES/COMMENTS: |
|---|------------------|--|-----------------|
|  | | | |

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 (Initial) | NOTES/COMMENTS: |
|--|------------------|--|-----------------|
|  | | | |

1. GENERAL

The Contractor 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 Contractor, its employees, Subcontractors, consultants, representatives, and agents, resulting from this contract, except to the extent such Contractor 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, Contractor 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 (Initial) | NOTES/COMMENTS: |
|---|------------------|--|-----------------|
|  | | | |

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 (Initial) | NOTES/COMMENTS: |
|---|------------------|--|-----------------|
|  | | | |

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

The Contractor retains the right to enter into a sale, merger, acquisition, internal reorganization, or similar transaction involving Contractor's business. Contractor 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 Contractor 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 (Initial) | NOTES/COMMENTS: |
|---|------------------|--|-----------------|
|  | | | |

The Contractor 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 Contractor 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 (Initial) | NOTES/COMMENTS: |
|---|------------------|--|-----------------|
|  | | | |

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 (Initial) | NOTES/COMMENTS: |
|---|------------------|--|-----------------|
|  | | | |

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 (Initial) | NOTES/COMMENTS: |
|---|------------------|--|-----------------|
|  | | | |

The contract may be terminated as follows:

1. The State and the Contractor, 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 Contractor. Such termination shall not relieve the Contractor of warranty or other service obligations incurred under the terms of the contract. In the event of termination the Contractor 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. Contractor 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 Contractor or of any substantial part of the Contractor'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 Contractor, its employees, officers, directors, or shareholders;
 - e. an involuntary proceeding has been commenced by any party against the Contractor 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 Contractor has consented, either expressly or by operation of law, to the entry of an order for relief; or (iii) the Contractor has been decreed or adjudged a debtor;
 - f. a voluntary petition has been filed by the Contractor under any of the chapters of Title 11 of the United States Code;
 - g. Contractor intentionally discloses confidential information;
 - h. Contractor has or announces it will discontinue support of the deliverable; and,
 - i. In the event funding is no longer available.

S. CONTRACT CLOSEOUT

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

Upon termination of the contract for any reason the Contractor shall within thirty (30) days, unless stated otherwise herein:


1. Transfer all completed or partially completed deliverables to the State;
2. Transfer ownership and title to all completed or partially completed deliverables to the State;
3. Return to the State all information and data, unless the Contractor is permitted to keep the information or data by contract or rule of law. Contractor may retain one copy of any information or data as required to comply with applicable work product documentation standards or as are automatically retained in the course of Contractor's routine back up procedures;
4. Cooperate with any successor contractor, person or entity in the assumption of any or all of the obligations of this contract;

5. Cooperate with any successor contactor, person or entity with the transfer of information or data related to this contract;
6. Return or vacate any state owned real or personal property; and,
7. Return all data in a mutually acceptable format and manner.

Nothing in this Section should be construed to require the Contractor to surrender intellectual property, real or person property, or information or data owned by the Contractor for which the State has no legal claim.

III. CONTRACTOR DUTIES

A. INDEPENDENT CONTRACTOR / OBLIGATIONS

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

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

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

The Contractor shall secure, at its own expense, all personnel required to perform the services under the contract. The personnel the Contractor 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 Contractor's proposal 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 Contractor warrants that all persons assigned to the project shall be employees of the Contractor or a Subcontractor, and shall be fully qualified to perform the work required herein. Personnel employed by the Contractor or a subcontractor to fulfill the terms of the contract shall remain under the sole direction and control of the Contractor or the subcontractor respectively.

With respect to its employees, the Contractor 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 Contractor's employees, including all insurance required by state law;
3. Damages incurred by Contractor'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 Contractor'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 Contractor, its officers, agents, or subcontractors or subcontractor's employees).

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

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

Contractor 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 Contractor 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 Contractor 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 Contractor is an individual or sole proprietorship, the following applies:

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


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

2. If the Contractor indicates on such attestation form that he or she is a qualified alien, the Contractor agrees to provide the U.S. Citizenship and Immigration Services documentation required to verify the Contractor's lawful presence in the United States using the Systematic Alien Verification for Entitlements (SAVE) Program.
3. The Contractor understands and agrees that lawful presence in the United States is required and the Contractor 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 Contractor 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 Contractors 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 Contractor guarantees compliance with the Nebraska Fair Employment Practice Act, and breach of this provision shall be regarded as a material breach of contract. The Contractor shall insert a similar provision in all Subcontracts for goods or services to be covered by any contract resulting from this solicitation.

D. COOPERATION WITH OTHER CONTRACTORS

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

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

E. 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 proposal. 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.

F. PRICES

Prices quoted shall be net, including transportation and delivery charges fully prepaid by the Contractor (FOB Destination is named in the solicitation). 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, once accepted by the State, shall remain fixed and valid commencing on the opening date of the Bid, until an award is made through the first 180 days of the contract, or the solicitation is cancelled.

Any request for a price increase, after the initial term of 180 days, must be submitted in writing to SPB a minimum of 30 days. 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 any State Agencies prior to written amendment of the contract by the parties.

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

G. COST CLARIFICATION

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

H. PERMITS, REGULATIONS, LAWS

| Accept (Initial) | Reject (Initial) | Reject & Provide Alternative (Initial) | NOTES/COMMENTS: |
|------------------|------------------|--|-----------------|
| AS | | | |

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 Contractor shall obtain and pay for all royalties, licenses, and permits, and approvals necessary for the performance of the contract. The Contractor must guarantee that it has the full legal right to the materials, supplies, equipment, software, and other items used to execute this contract.

I. NOTICE OF POTENTIAL CONTRACTOR BREACH

| Accept (Initial) | Reject (Initial) | Reject & Provide Alternative (Initial) | NOTES/COMMENTS: |
|------------------|------------------|--|-----------------|
| AS | | | |

If Contractor breaches the contract or anticipates breaching the contract the Contractor 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.

J. ANTITRUST

| Accept (Initial) | Reject (Initial) | Reject & Provide Alternative (Initial) | NOTES/COMMENTS: |
|------------------|------------------|--|-----------------|
| AS | | | |

The Contractor 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.

K. CONFLICT OF INTEREST

| Accept (Initial) | Reject (Initial) | Reject & Provide Alternative (Initial) | NOTES/COMMENTS: |
|------------------|------------------|--|-----------------|
| AS | | | |


By submitting a proposal, 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 Proposal 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 proposal 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.

L. ADVERTISING


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

The Contractor 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.

M. NEBRASKA TECHNOLOGY ACCESS STANDARDS (Statutory)


Contractor 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 Contractor'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.

N. DISASTER RECOVERY/BACK UP PLAN

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

The Contractor 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, in order to continue delivery of goods and services as specified under the specifications in the contract in the event of a disaster.

O. DRUG POLICY

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

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

P. WARRANTY

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

Despite any clause to the contrary, the Contractor 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 Contractor shall, for a period of ninety (90) days from performance of the service, perform the services again, at no cost to Customer, or if Contractor is unable to perform the services as warranted, Contractor shall reimburse Customer the fees paid to Contractor 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". Standard term is to pay after deliverables and that any alteration of that standard term should be carefully considered and used only when absolutely necessary to accommodate certain critical exceptions, i.e. insurance premiums, etc. that must be paid in advance.)

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 solicitation. The Contractor 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 Contractor's equipment which may be installed in a state-owned facility is the responsibility of the Contractor.

C. INVOICES

Invoices for payments must be submitted by the Contractor to the agency requesting the services with sufficient detail to support payment. The terms and conditions included in the Contractor'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 (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 Contractor 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 Contractor 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 Contractor prior to the Effective Date of the contract, and the Contractor hereby waives any claim or cause of action for any such services.

F. LATE PAYMENT (Statutory)


The Contractor 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 years 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 Contractor 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 Contractor 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 Contractor be paid for a loss of anticipated profit.

H. RIGHT TO AUDIT (First Paragraph is Statutory)

The State shall have the right to audit the Contractor's performance of this contract upon a thirty (30) day written notice. Contractor 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 Contractor 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 Contractor shall make the Information available to the State at Contractor's place of business or a location acceptable to both Parties during normal business hours. If this is not practical or the Contractor so elects, the Contractor 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 contractor be required to create or maintain documents not kept in the ordinary course of contractor's business operations, nor will contractor be required to disclose any information, including but not limited to product cost data, which is confidential or proprietary to contractor.

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

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 one-half of one percent (.5%) of the total contract billings, or if fraud, material misrepresentations, or non-performance is discovered on the part of the Contractor, the Contractor 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 Contractor 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 proposal invitation to establish a contract to supply **Articulated All Wheel Drive Loader with Minimum 3.8 Cubic Yard 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 contractor and the State. The State reserves the right to extend the period of this contract beyond the end date when mutually agreeable to the contractor and the State.

All items proposed shall be of the latest manufacture in production as of the date of the solicitation 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 All Wheel Drive Loader with Minimum 3.8 Cubic Yard 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 proposal 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 proposal document. If manufacturer's information necessary to show compliance with these specifications is not attached to the proposal document, the Contractor 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 proposal.

VI. TECHNICAL SPECIFICATIONS

A. CONTRACTOR INSTRUCTIONS

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

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

“NO” response means the Contractor 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 Contractor’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 Contractor’s alternative is an acceptable alternative.

B. NON-COMPLIANCE STATEMENT

| YES | NO | NO & PROVIDE ALTERNATIVE | |
|------------------------|----|--------------------------|--|
| X | | | 1. Read these specifications carefully. Any and all exceptions to these specifications must be written on or attached to solicitation response. Any noncompliance may void your proposal. Non-compliance to any single specification can void your proposal. |
| X | | | 2. It is the responsibility of Contractors to obtain information and clarifications as provided below. The State is not responsible for any erroneous or incomplete understandings or wrongful interpretations of this solicitation by any Contractor. |
| X | | | 3. No interpretation related to the meaning of solicitation specifications or other pre-proposal documents will be made orally to any Contractor by the State. Any solicitation interpretation must be put in writing by the Contractor to: the State Purchasing Bureau, E-mail questions to SPB. as.materieipurchasing@nebraska.gov by the last day to submit written questions per the Schedule of Events. (Inquiries received after the last day to submit written questions may not be addressed). |
| NOTES/COMMENTS: | | | |

C. ENGINE

| YES | NO | NO & PROVIDE ALTERNATIVE | |
|-----|----|--------------------------|---|
| X | | | 1. Diesel engine shall be a minimum of 6.6 Liters. |
| X | | | 2. Engine shall have a minimum of 220 net horsepower developed at SAE N1349 or ISO 9249 under standard conditions with all accessories. |
| X | | | 3. Cold starting aid of: <ul style="list-style-type: none"> a. glow plugs; b. Equivalent pre-heater; or, c. Injection of Turner LP535-1 or Equivalent with cartridge required. <p>Specify Type of Cold Starting Aid: <u>pre-heater</u></p> |

| | | | |
|------------------------|--|--|--|
| 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 antifreeze protection to no less than 34 degrees below zero Fahrenheit required. |
| X | | | 10. A 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. |
| | | | 12. Please Specify the following: a. Engine Brand: <u>Doosan</u> b. Engine Model: <u>DL08</u> c. Flywheel Horsepower: <u>275 HP</u> d. Governed RPM: <u>2,100</u> |
| NOTES/COMMENTS: | | | |

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 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 If Bidding Limited Slip or Differential Lock-Up: <u>limited slip</u> |
| X | | | 4. Minimum forward travel speed will be approximately 20 MPH. |
| NOTES/COMMENTS: | | | |

E. TIRES

| YES | NO | NO & PROVIDE ALTERNATIVE | |
|-----------------|----|--------------------------|--|
| X | | | 1. Four (4) 23.5R25, Michelin XTLA Tires or Equivalent Required. |
| | | | a. Equivalent Brand/Model must be approved by NDOT |
| X | | | b. Specify Brand of Tire Being Bid: <u>Michelin</u> |
| X | | | c. Tires shall carry said company name on sidewalls of tires. |
| NOTES/COMMENTS: | | | |

F. BRAKES

| YES | NO | NO & PROVIDE ALTERNATIVE | |
|-----------------|----|--------------------------|---|
| X | | | 1. Brakes on all four (4) wheels. |
| X | | | 2. Brakes shall be boosted, full hydraulic or air brakes. Specify Type of Brakes Furnished: _____ <u>hydraulic outboard wet disc brakes</u> |
| | | | a. Air dryer or equivalent moisture remover required with air brakes. |
| X | | | 3. Transmission drive or internal wet disk service brakes acceptable. |
| X | | | 4. Parking brake required. |
| NOTES/COMMENTS: | | | |

G. STEERING

| YES | NO | NO & PROVIDE ALTERNATIVE | |
|-----------------|----|--------------------------|---|
| X | | | 1. Articulated frame at wheel base center point |
| X | | | a. Turn to right and left of at least 40 degrees. |
| X | | | 2. To be hydraulically assisted. |
| NOTES/COMMENTS: | | | |

H. LOADER

| YES | NO | NO & PROVIDE ALTERNATIVE | |
|--------------------------------|----|--------------------------|--|
| X | | | 1. Static full turn tipping load must be 24,500 pounds or greater. |
| X | | | 2. Joystick control required. |
| X | | | 3. General purpose loader bucket to be minimum 3.8 cubic yard struck SAE rated. |
| X | | | a. Bucket shall be minimum 110 inches wide but not less than the overall width of the machine. |
| X | | | b. Dump clearance at full lift with bucket at 45 degrees discharge shall be at least 9 feet, 3 inches. |
| X | | | c. Minimum 33,500 pound breakout force. |
| X | | | d. Digging depth of at least 2.9 inches below grade with bucket bottom approaching position parallel to grade. |
| X | | | e. Bucket level indicator or automatic pre-set to dig position and adjustable automatic lift kick out required. |
| X | | | f. Bucket shall have a bolt-on cutting edge. |
| X | | | 4. Z-bar linkage, Parallel Lift Linkage or Equivalent. |
| | | | a. Equivalent Brand/Model must be approved by NDOT |
| | | | b. Specify Brand of Tire Being Bid: _____ |
| X | | | 5. Loader shall be equipped with a suspension system for the loader boom cylinders. |
| X | | | 6. Ride Control/Suspension System to include any accumulators, valves, hydraulic lines and/or electrical circuits as required by manufacturer. |
| NOTES/COMMENTS: Z- bar linkage | | | |

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 doors 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 mirrors and floor mat required. |
| X | | | c. Defroster fan and heater of adequate capacity for Nebraska required. |
| X | | | d. Unit shall have manufacturer's factory installed air conditioning. |
| X | | | e. Unit to have rearview camera installed. |

| | | | |
|---|--|--|---|
| X | | | f. Loader must be able to be operated with door(s) secured as open. |
| X | | | 3. Padded adjustable, cloth covered suspension seat with seat belt shall be provided. |
| NOTES/COMMENTS: heated seat XX | | | |

J. INSTRUMENTS

| YES | NO | NO & PROVIDE ALTERNATIVE | |
|------------------------|----|---------------------------|--|
| X | | | 1. The following gauges or digital displays are required. |
| | | NA | a. Air pressure gauge if air brakes. |
| X | | | b. Torque converter or transmission oil temperature gauge. |
| X | | | c. Fuel gauge or indicator. |
| | | warning & indicator light | d. Oil pressure gauge. |
| X | | | e. Engine temperature gauge. |
| X | | | f. Voltmeter, ammeter or warning light for the 12 or 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 will 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 not be in excess of 3,800 PSI. |
| NOTES/COMMENTS: | | | |

L. COUNTERWEIGHTS

| YES | NO | NO & PROVIDE ALTERNATIVE | |
|-----------------|----|--------------------------|--|
| X | | | 1. Standard equipment rear counterweights are to be furnished as required by manufacturer. |
| NOTES/COMMENTS: | | | |

M. GENERAL

| YES | NO | NO & PROVIDE ALTERNATIVE | |
|-----------------|----|--------------------------|--|
| | | 26'6" | 1. The overall length of the loader will not be greater than 26 feet 5 inches, with loader bucket level on the ground. |
| | | | 2. The operation weight of loader with a minimum 3.8 cubic yard bucket. |
| X | | | 3. ROPS cab and without optional accessories or calcium chloride in tires shall be a minimum of 40,000 pounds. Bidder To Specify Loader Weight As Described In Bid: <u> 41,844 </u> pounds. |
| X | | | 4. Four (4) headlights required: |
| X | | | a. Two (2) at top of cab near corners. |
| X | | | b. Two (2) at bottom of cab near each side. |
| X | | | 5. A minimum of two (2) rear working light to be provided. |
| X | | | 6. Combination stop/tail light and horn required. |
| X | | | 7. Drawbar hitch with pin required. |
| X | | | 8. Turn signals and hazard flashing lights for front and rear of unit required. |
| X | | | 9. Manufacturer's front and rear fenders required. |
| X | | | 10. A slow moving vehicle emblem shall be mounted on the rear of loader |
| 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: |
| X | | | a. Sound exposure work cycle rating: 107 outside/73 cabin dba. |
| NOTES/COMMENTS: | | | |

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. |
| X | | | 2. Main communication radio operates in low band range of 47 MHz to 48 MHz, but all frequencies apply including low band, high band, UHF, and VHF. |
| X | | | 3. 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 | | | 4. NDOT will conduct testing of radio/two-way when installed in chassis. |
| X | | | a. NDOT will notify vendor if normal operational parameters are not met due to degradation of signals caused by electromagnetic emissions from chassis or installed components and equipment. |
| X | | | b. Vendor shall be required to work with NDOT personnel to reduce interference level to a point acceptable to NDOT normal radio operating parameters. |
| X | | | c. Vendor shall have 30 days to resolve Radio Frequency Interference issue. |
| X | | | 5. Vendor 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 | | | a. If NDOT and Vendor cannot resolve source of Radio Frequency Interference the unit will be sent to an independent accredited lab for testing to ensure SAE and/or ISO Standards compliance. |
| X | | | b. Testing shall be done to SAE and/or ISO Standards which are current at the date of bid. |
| X | | | c. Should the loader and/or installed components and equipment fail testing at the accredited lab, the vendor shall be responsible for all cost incurred for testing. |

| | | | |
|-----------------|--|--|--|
| X | | | 6. If after testing by NDOT and/or accredited lab, the Vendor is unable or unwilling to incur the cost and correct the Radio Frequency Interference 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. Operator's Manual and All other required manuals must accompany each unit when delivered prior to payment and delivery to Fleet Management. |
| X | | | 2. If Repair and/or Parts manuals are available online, the State of Nebraska must be able to access them free of charge for fifteen (15) years. |
| X | | | a. Equipment shop repair manual or CD ROM. |
| X | | | b. Engine shop repair manual or CD ROM. |
| X | | | c. Equipment parts manual or CD ROM. |
| X | | | d. Engine parts manual or CD ROM. |
| X | | | 3. Failure to deliver the above-required manuals may result in a ten percent (10%) underpayment of the purchase order total until all manuals are delivered. |
| NOTES/COMMENTS: | | | |

Q. MISCELLANEOUS

| YES | NO | NO & PROVIDE ALTERNATIVE | |
|-----------------|----|--------------------------|---|
| X | | | 1. A list of any special tools required by the bidder should be submitted with the bid. |
| X | | | 2. Dealer's decals and stickers shall not be affixed the unit. |
| X | | | 3. Manufacturer's nameplates and stampings are acceptable items, which may be affixed to the units. |
| X | | | 4. Dealer's pre-delivery service required. |
| | | ORANGE | 5. Color: Manufacturer's standard yellow color. |
| X | | | 6. Prior to the awarding of, or entering into any agreement or contract, it shall be the responsibility of the Manufacturer and/or the awarded 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. 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 proposal. |
| X | | | 3. The awarded bidder shall be responsible for all repairs including parts and labor during the twelve (12) month warranty period. |
| X | | | 4. The awarded bidder shall be responsible for machine transportation costs during the twelve (12) month warranty period. |
| X | | | 5. The power train and engine shall be warranted for additional five (5) years. |
| X | | | a. All extended power train warranty repairs will be performed by manufacturer's authorized service personnel. |
| X | | | b. These guarantees are in addition to the standard twelve (12) month warranty and do not have any effect upon the standard warranty. |
| X | | | c. If the engine is not produced by the loader manufacturer, the vendor 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. and/or manufacturer. |
| X | | | 8. Any oil sampling or other necessary testing needed to implement this warranty must be included in writing with this bid. The Nebraska Department of Transportation 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 Nebraska Department of Transportation 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 Nebraska Department of Transportation. |
| | | | 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 vendor'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: | | | |

S. TRAINING

| YES | NO | NO & PROVIDE ALTERNATIVE | |
|------------------------|----|--------------------------|--|
| X | | | 1. The awarded bidder will provide a factory-trained Operation and Maintenance Representative who will provide a minimum of four (4) hours of instruction, per loader, to include Operator and Equipment training at various locations throughout Nebraska . Fleet Management will contact awarded bidder for scheduling and location(s). |
| NOTES/COMMENTS: | | | |

T. SPECIFICATION FORM(S)

| YES | NO | NO & PROVIDE ALTERNATIVE | |
|------------------------|----|--------------------------|---|
| X | | | 1. "Specification Form(s)" will be provided by NDOT to the Contractor when a purchase order is issued. |
| X | | | 2. The Contractor will be required to complete the "Specification Form(s)" for each unit, to the fullest extent possible, and must accompany each unit when delivered. |
| X | | | 3. If the Contractor does not properly complete the "Specification Form(s)" for each unit, a sum of \$250.00 per unit will be deducted from the purchase order total. |
| NOTES/COMMENTS: | | | |

U. 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. The orders shall be for the actual quantities of each item ordered by or for any agency during the life of the contract. Contractor shall not impose minimum order requirements. |
| X | | | 2. Annual Estimated Usage is two (2). |
| NOTES/COMMENTS: | | | |

V. USAGE REPORT

| YES | NO | NO & PROVIDE ALTERNATIVE | |
|-----------------|----|--------------------------|--|
| X | | | <p>1. The Contractor shall, upon request from SPB at any time as determined by the State, provide a Usage Report of this Contract by State Agencies and Political Subdivisions. SPB will determine the reporting period for the Usage report. Information may include:</p> <ul style="list-style-type: none"> a. Agency or Political Subdivision name; b. Item description; c. Item number; d. Item dollar amount; e. Number of orders received; f. Orders processed; g. Back orders; and, h. Partially filled orders. |
| NOTES/COMMENTS: | | | |

W. DELIVERY ARO

| YES | NO | NO & PROVIDE ALTERNATIVE | |
|-----------------|----|--------------------------|--|
| X | | | <p>1. Delivery desired within 90 to 120 days After Receipt of Order(s). Specify ARO: <u>120 DAYS</u></p> |
| NOTES/COMMENTS: | | | |

X. DELIVERY LOCATIONS / INSTRUCTIONS (CONTRACTOR AGREES THAT THEY CAN MEET THE DELIVERY LOCATIONS/INSTRUCTIONS)

| YES | NO | NO & PROVIDE ALTERNATIVE | |
|------------------------|----|--------------------------|--|
| X | | | <p>1. Delivery Location:</p> <p>Nebraska Department of Transportation (NDOT) Attn: Fleet Management 5001 South 14th Street Lincoln, NE 68512 402-479-4319</p> <p>Delivery between 8:00 AM and 3:30 PM. Monday through Friday, excluding State and Federal Holidays.</p> |
| X | | | <p>2. Units are to be FOB Destination.</p> |
| X | | | <p>3. Contractor must notify NDOT Fleet Management a minimum of 24 hours prior to delivery of units.</p> <p>NDOT Fleet Management contact information is:</p> <p>a. 402-479-4319 b. 402-479-4323 c. 402-479-4304</p> |
| X | | | <p>4. Manufacturer's Statement of Origin and other pertinent purchasing documents must accompany the invoice at time of delivery.</p> |
| X | | | <p>5. Prior to the award of, or entering into any agreement or contract, it shall be the responsibility of the Manufacturer and/or the awarded bidder to warrant to the State, in writing, that it has factory authorized dealers in the State of Nebraska who will provide warranty/service and repair work without undue delay.</p> <p>A list of Factory authorized Nebraska Dealer(s), their location(s) and contact information should be submitted with the bid.</p> |
| NOTES/COMMENTS: | | | |

Y. ORDERS

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

| | | | |
|------------------------|--|--|---|
| X | | | 5. Manufacturer's Statement of Origin and other pertinent purchasing documents must accompany the invoice at time of delivery. |
| NOTES/COMMENTS: | | | |

Z. 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 contractor and meeting delivery dates are considered to be an integral part of the purchase contract resulting from this proposal invitation. |
| | 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: | | | |

AA. AUTHORIZED DEALER & WARRANTY

| YES | NO | NO & PROVIDE ALTERNATIVE | |
|------------------------|----|--------------------------|--|
| X | | | 1. To the extent required by the manufacturer, the Contractor shall be an authorized dealer. Contractor 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 solicitation for the entire warranty period. |
| NOTES/COMMENTS: | | | |

VII. OPTIONS PAGES

A. QUICK HITCH WITH SPECIFIED BUCKET

| YES | NO | NO & PROVIDE ALTERNATIVE | |
|------------------------|----|--------------------------|---|
| X | | | 1. Quick hitch (coupler) system with bucket equivalent to bucket specified in Subsection H of Section VI, Technical Specifications. |
| X | | | 2. The quick hitch and bucket will replace the loader manufacturer's factory bucket. |
| X | | | 3. Acceptable brands are JRB, ACS or loader manufacturer's model. Please specify which brand you are bidding: <u>JRB</u> |
| X | | | 4. Securing pins will hydraulically operate from loader's existing hydraulics with controls in cab. |
| X | | | 5. Quick hitch and specified bucket manufacturer must be approved for use for the loader proposed. |
| X | | | 6. Any operators and/or parts manuals available from manufacturer will be provided with each unit delivered. |
| NOTES/COMMENTS: | | | |

B. QUICK ATTACH FORKLIFT ASSEMBLY

| YES | NO | NO & PROVIDE ALTERNATIVE | |
|--|----|--------------------------|---|
| X | | | 1. Forklift assembly to be quick attach style to match the Quick hitch stated in Section VII, Subsection A, Number 1. |
| X | | | 2. Quick hitch shall be JRB, ACS or loader Manufacturer OEM supplied hitch |
| X | | | 3. Carriage width to be a minimum of 53 inches. |
| X | | | 4. Tine length to be a minimum of 60 inches. |
| | | 2.5" X 8" | 5. Manually adjustable tines of 2.5 inch X 6 inch. |
| X | | | 6. Minimum Load Capacity of 10,000 pounds at 24 inch load center. |
| NOTES/COMMENTS: AMI 72" FRAME X 72" FORKS | | | |

C. MULTI-PURPOSE BUCKET

| YES | NO | NO & PROVIDE ALTERNATIVE | |
|-----|----|--------------------------|---|
| X | | | 1. The multi-purpose bucket will replace the loader's factory furnished bucket. |
| X | | | 2. The multi-purpose bucket shall be at least as heavy duty as the loader manufacturer's normally-furnished bucket. |

| | | | |
|--|--|--|--|
| X | | | 3. Any additional parts for operation and hook-up (i.e. valves, hydraulics, hoses) are required"? |
| X | | | 4. Bucket Manufacturer must recommend their unit for proposed loader. |
| X XXXX | | | 5. Any operators and/or parts manuals available from manufacturer will be provided with each unit delivered. |
| NOTES/COMMENTS: PALADIN 600MP-4.00CUYD WITH BOLT ON EDGE | | | |

D. GRAPPLE FORK ATTACHMENT

| YES | NO | NO & PROVIDE ALTERNATIVE | |
|--|----|--------------------------|---|
| X | | | 1. Grapple fork to be mounted to the bucket as specified in Section VI, Subsection H. The Grapple fork should be GrabTec "GA" series or Equivalent. |
| X | | | 2. Grapple is to be delivered installed on the bucket as stated above. The Vendor is responsible for any transportation costs incurred while mounting the grapple fork to the specified bucket. |
| X | | | 3. Grapple Assembly to be of a Quick Attach Style. |
| X | | | a. Installation weight of grapple assembly to be a minimum of 1,200 pounds. |
| X | | | b. Hydraulic Cylinder Bore to be a minimum three (3) inches. |
| X | | | c. Hydraulic hoses of adequate length and couplers shall be provided. The hoses shall be coupled to the loader's auxiliary circuit (Third Valve). |
| X | | | d. Fork teeth material to be a minimum of one (1) inch 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 and cylinder pressure of 3750 psi. |
| X | | | g. Opening of forks measured from ground level to tip of teeth to be approximately 86 inches. |
| X | | | 4. Any additional hydraulic valves hoses, etc. will be furnished. |
| X | | | 5. The auxiliary third valve will be ordered on the loader. ***Do not include this valve in pricing*** |
| X | | | 6. Any operators and or parts manuals available from manufacturer will be with each unit when delivered. |
| X | | | 7. Attachment shall carry a one (1) year warranty to be provided by the fork Manufacturer or the Vendor. |
| NOTES/COMMENTS: GRAB TECH GA SERIES QUICK TACH GRAPPLE | | | |

E. WHEEL LOADER SCALE SYSTEM

| YES | NO | NO & PROVIDE ALTERNATIVE | |
|---|----|--------------------------|--|
| X | | | 1. Scale system on loader to be installed and calibrated. Scale system to be Loup Electronics Loadlog 8000i or Equivalent. |
| X | | | 2. Optional in-cab printer. |
| X | | | 3. Hydraulic pressure sensors. |
| X | | | 4. Reference and direction sensor. |
| <p>NOTES/COMMENTS: LOUP ELECTRONICS 8000i WITH PRINTER</p> | | | |

ORIGINAL

ITB 6309 OF

OPENING

June 15, 2020

2:00 PM



ITB 6309 OF

Proposal #: Q-00127604

Date: 6/15/2020

Dealer Information:

Bobcat Of Omaha, Omaha, NE
8701 South 145th St
Omaha, NE | 68138
402-895-6660

Bill To:

State of Nebraska Purchasing
1526 K St Ste 130
Lincoln, NE | 68508-2734

Ship To:

State of Nebraska Purchasing

| Description | Qty: | Unit Price: | Total: |
|--|------|--------------|--------------|
| DL300-5K-US10 <i>Base Machine with Standard Front Limited Slip Front and Rear Without Bucket Steel Cab with Integrated ROPS/FOPS Tires: Triangle 23.5R25 (L3) Radial</i> | 1 | \$232,889.31 | \$232,889.31 |

Optional Equipment List:

| | | | |
|--------------------------------|--|------------|---------------------|
| 110V Plug Heater | | \$428.40 | \$428.40 |
| Rear View Camera | | \$1,581.00 | \$1,581.00 |
| Hydra. Load Isolation System | | \$3,809.70 | \$3,809.70 |
| DL300-5K-US10 subtotal: | | | \$238,708.41 |

| Description | Qty: | Unit Price: | Total: |
|---|------|-------------|-------------|
| GPBKT; 114IN 4.0YD PIN ON. BOCE <i>4.0 yd³ General Purpose Bucket - 114" PN 7273851 Pin-On Mounting Type Compatible with: DL300-3, DL300-5 Sloped bottom design for maximum bucket filling and material retention Reinforced mounting plates for added durability Configured with bolt-on cutting edge</i> | 1 | \$13,205.94 | \$13,205.94 |

Optional Equipment List:

\$13,205.94

TOTAL ITEMS QUOTED: \$251,914.35

12 MONTH FULL MACHINE WARRANTY FOLLOWED BY AN ADDITIONAL 4 YEARS OF POWERTRAIN WARRANTY \$0.00



| | |
|--|---------------------|
| FOR A TOTAL OF 5 YEARS | |
| DISCOUNT | \$(52,024.35) |
| 23.5R25 MICHELIN XTLA TIRES ILO STANDARD TIRES | \$0.00 |
| Sales total before taxes: | \$199,890.00 |
| | |
| Quote Total | \$199,890.00 |

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

Customer Acceptance

Purchase Order: _____

Authorized Signature

Print: _____ Sign: _____ Date: _____

| | |
|--------------------------------|--|
| Standard Equipment for: | DL300-5K-US10 |
| Engine | Doosan DL08: Turbo Charged, Air to Air Intercooled, T4F Electronically Controlled Common Rail Direct Injected 271 SAE Gross Flywheel Horsepower @ 1800 RPM 466 cu.in. (7640 cc), 6 Cylinder Air Cleaner: Dry Type (Double Stage) Engine Self Diagnostic System Plastic Reversible Fan Driven by Hydraulic Fan Motor Auto Idle Auto Shut Down |
| Hydraulic System | Variable Displacement Axial Piston Pump Closed-Center (LS) Hydraulic Systems with Variable Pumps, Pilot Control with Float Spool, 3 Spools 3rd Valve with Lines & Control (lines terminate at boom base) Automatic Boom / Lift - Kick-Out (Set and Adjust from inside the cab) Return-to-Dig Position (Adjustable Electro-Magnetic Switch outside cab) Accumulator for Emergency Pilot System |
| Brake System | Dual Pedal Braking system 4 Wheel Outboard Wet Disc Brakes with Separate Front & Rear Circuits Accumulator for Emergency Stopping Parking Brake: Spring Apply Hydraulic Release, sliding caliper disc brake on the face of the transmission |
| Steering | Load Sensing Type with a Flow Amplifier and a Priority Valve 40 Degree Articulation, Full Hydraulic Power Steering Steering Cylinder w/ Cushion Tilt and Telescopic Steering Wheel |
| Cab with ROPS | Air Conditioner Heater & Defroster Double Filtered Air Cab Combination Lever Accelerator Pedal Transmission Lever Rear Hinged & Locking Doors (Both sides) / Right side is emergency access door Radio, AM-FM Stereo, MP3 Switches: Transmission Shift Switch (Manual, Auto 1-4 and Auto 2-4) Economy Mode Switch (Power, Normal & Economy Modes) Headlight Switch Front Work Light Switch Rear Work Light Switch |

Rear Wiper Switch
Pilot Cutoff Switch
Parking Brake Switch
Transmission Cutoff Switch
Mirror Heater Switch
Reverse Fan Switch
Display Screen Control Switch
Display Screen Selector Switch
Hazard Warning Light Switch
Boom Kick Out Switch
DESOX Switch

Rear View Mirrors with Heat
Safety Glass, Tinted
Fully Adjustable Air Suspension Seat w/Heat
Seat Belt (2 in. Wide)
Sliding Door Windows (Left Side)
Sound Suppression
Sun Visor
Windshield Wipers & Washers - Front and Rear
Digital Clock
Arm Rest
12 Volt Power Supply
Cup Holders
Cigarette Lighter
Sun Glass Holder

Transmission/Axles

Full Automatic Power Shift
4 Forward & 3 Reverse Speeds
Self Adjusting Brake Disc Clearance
Torque Converter, Fixed Wheel Stator
Electrical T/M Clutch Disconnect with Service Brake
T/M Down Shift on Shift Control and Joy Stick Control
Transmission Oil Level Gauge

Electrical

Alternator, 80 Amp., 24 Volt
Batteries, (2) 12 Volt, 200 AH, 1300 CCA
Starter, 24 Volt 6 kw
Horn
Hour Meter
Lights:
 (2) Front Headlights with High / Low Beams
 (2) Stop Lights, Tail Lights & Directional Indicators
 (2) Front & Rear Floodlights
Alarm Buzzer for:
 Transmission Overheat
 Engine Oil Pressure
 Coolant Temperature
Electronic Monitoring & Display for:
 Fuel Level Gauge
 Engine Coolant Temperature Gauge

Transmission Oil Temperature Gauge
Speedometer
Tachometer
ECO Bar
Transmission Actual Gear
Transmission Gear Select
Preheat Indicator Light
Air Cleaner Clogging Warning Light
Multi Function Gauge (can display one of the following at a time)
 Trip Meter
 Battery Voltage
 Total Time of Operation
Left Turn and Hazard Warning Light
Right Turn and Hazard Warning Light
High Beam Indicator Light
Work Light Indicator Light
Reverse Fan Indicator Light
Mirror Heater Indicator Light
Parking Brake Indicator Light
F/R (Forward/Reverse) Selector Indicator Light
Brake Fluid Pressure Warning Light
Charge Warning Symbol
Engine Oil Pressure Warning Symbol
Transmission Warning Symbol
Engine Warning Symbol
Water in Fuel Warnings Symbol
Back-Up Alarm

Tires Triangel 23.5R25 (L3) Radial

Other Single Lever Control with FNR Control Buttons
Air Cleaner with Pre-cleaner
Steel Engine Side Covers
Boom / Float
Drawbar and Pin
Neutral Safety Start System
Muffler
Fenders, Front & Rear
Ladders & Service Platforms
Manuals, Parts & Operator's
GPS with 3 Year Subscription
Remote Drain Ports



ITB 6309 OF

Proposal #: Q-00127608

Date: 6/15/2020

Dealer Information:

Bobcat Of Omaha, Omaha, NE
8701 South 145th St
Omaha, NE | 68138
402-895-6660

Bill To:

State of Nebraska Purchasing
1526 K St Ste 130
Lincoln, NE | 68508-2734

Ship To:

State of Nebraska Purchasing

| Description | Qty: | Unit Price: | Total: |
|---|----------|-------------------|-------------------|
| QUICK COUPLER, DL300-5 JRB STYLE | 1 | \$8,357.88 | \$8,357.88 |

Quick Coupler, JRB Style PN 7254073

Compatible with: DL300-5, DL300-5K & JRB Style attachments.

*Includes: Installation Kit & Hydraulic Hoses
(Requires existing machine hydraulics)*

*Four-point pickup system eases
coupling/uncoupling on uneven terrain.*

*The load center shifted forward a maximum of 2
inches from the original pin-on position.*

*Adjustable stops allow adjustment of roll-back
stops ensuring proper interface between the coupler
and lift arms*

*Quickly change attachments without leaving the
seat increasing productivity and versatility.*

Optional Equipment List:

\$8,357.88

| Description | Qty: | Unit Price: | Total: |
|---|----------|--------------------|--------------------|
| GPBKT; 114IN 4.0YD; JRB QC; BOCE | 1 | \$12,947.00 | \$12,947.00 |

4.0 yd³ General Purpose Bucket - 114" PN 7273853

JRB Quick-Coupler Mounting Type

Compatible with: DL300-3, DL300-5

*Sloped bottom design for maximum bucket filling
and material retention*

Reinforced mounting plates for added durability

Configured with bolt-on cutting edge

Optional Equipment List:

\$12,947.00

| | |
|--|--------------------|
| TOTAL ITEMS QUOTED: | \$21,304.88 |
| ILO PIN ON BUCKET PRICED ON ORIGINAL QUOTE | \$(10,500.88) |
| Sales total before taxes: | \$10,804.00 |
| | |
| Quote Total | \$10,804.00 |

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

Customer Acceptance

Purchase Order: _____

Authorized Signature

Print: _____ Sign: _____ Date: _____

Bobcat of Omaha

BOO, Inc.

8701 S. 145th St. Omaha, NE 68138

Ph: 402-895-6660

Fax: 402-884-2497

QUOTE

| | | | |
|------------------------|------------------------------|---------------------|----------------|
| Customer | STATE OF NEBRASKA PURCHASING | Quote Number | |
| Contact | | | Q61520-1 |
| Address | | Salesperson | |
| City, State Zip | LINCOLN, NE 68508 | | ALAN MAKOVICKA |
| Phone # | | Date | |
| SOLICITATION | ITB 6309 OF | | June 15, 2020 |

| Qty | Stock # | Description | Price | Amount |
|-----|---------|--|-------------|--------|
| 1 | | AMI 72" X 72" PALLET FORKS 2.5"X8" TINES | \$8,755.00 | |
| | | JRB QUICK TACH MOUNTING SYSTEM LINE #3 | | |
| 1 | | PALADIN 600MP-4.00CUYD HD MULTI PURPOSE BUCKET | \$10,625.00 | |
| | | WITH BOLT ON CUTTING EDGE | | |
| | | ILO PIN ON BUCKET PRICED ON ORIGINAL QUOTE LINE #4 | | |
| 1 | | GRAB TEC GA102, 5 TEETH, 102" WIDTH QUICK-ATTACH GRAPPLE | | |
| | | INSTALLED WITH QUICK COUPLER KIT, 2-HOSE LINE #5 | \$9,210.00 | |
| 1 | | LOUP ELECTRONICS WEIGHLOG 8000T LOADER SCALE SYSTEM | | |
| | | (REPLACEMENT FOR THE 8000i) WITH ICP 300 PRINTER | | |
| | | INSTALLATION AND TRAINING INCLUDED LINE #6 | \$7,957.00 | |

This Equipment Is Outfitted with R.O.P.S. **Customer Pick up at Dealership**

| | | | |
|-----------------------------------|-----------------------------|--------------------|------------------------|
| Received By | | Date | |
| Qty | Trade-In Description | Price | Total Allowance |
| | | | |
| | | | |
| | | | \$0.00 |
| This Equipment is free from Liens | | Total Trade | \$0.00 |

| | |
|-------------------------|--------|
| Total | \$0.00 |
| Trade Value | \$0.00 |
| Trade Difference | \$0.00 |
| Sales Tax | \$0.00 |
| Pay Off | \$0.00 |
| Filing Fee | \$0.00 |
| Grand Total | \$0.00 |

Payment Received

Balance Due \$0.00

Financed Amt



Bobcat®

Thank you for your patronage.

DOOSAN

**RUN STRONG
AND REST
ASSURED.**

**DOOSAN PROTECTION PLUS
EXTENDED WARRANTY**

The Protection Plus[®] extended warranty plan from Doosan Construction Equipment allows you to purchase additional protection on the full machine, powertrain or powertrain plus hydraulics. It goes well beyond the scope of the standard Doosan warranty.

Up to 72 different plans are available to give you up to a total of 60 months or 7,500 hours of protection against defects in materials and/or workmanship.



**PROTECTION
PLUS**  **Extended Warranty**

ITB 6309 OF

What's in it FOR YOU?

PEACE OF MIND:

For a small investment, you can protect your Doosan® machine with additional warranty coverage that minimizes your repair costs. If machine issues do occur, you know in advance that you are covered, which allows you to avoid unplanned expenses. It not only gives you an extended sense of security and peace of mind, it makes good business sense.

RISK MANAGEMENT:

By providing a comfortable shield of protection against repairs due to failures in materials or workmanship, an extended warranty greatly decreases your exposure to financial risk.

NO DEDUCTIBLE:

Your Protection Plus policy covers the costs of parts, labor, with no deductible required.

HIGHER RESALE VALUE:

If you sell the machine, any remaining Protection Plus coverage can be transferred to the new owner for a minimal fee. A machine with Protection Plus coverage – even if the policy is expired – will likely be perceived by a potential purchaser as having added value because of the superior care and maintenance provided by the original owner – you.

BACKING FROM DOOSAN:

Doosan has confidence in its products, and we stand behind them with the Protection Plus extended warranty, which is fully backed by Doosan. With Protection Plus coverage on your equipment, you can be as confident in your machine as we are.



About Your **PROTECTION PLUS COVERAGE**

HOW DOES THE PROTECTION PLUS EXTENDED WARRANTY DIFFER FROM THE STANDARD DOOSAN WARRANTY?

Your new Doosan machine already includes a standard factory warranty of 12 months or 1,500 hours (2,000 hours for articulated dump trucks), whichever comes first. It's included at no extra cost. It's an assurance from us that your Doosan equipment will perform as promised, and it's backed by our decades of construction equipment manufacturing and leadership in the industry. The Protection Plus warranty goes a step further than the standard warranty, allowing you to purchase 24 to 60 total months, or 2,000 to 7,500 total hours, of warranty protection for the powertrain, powertrain plus hydraulics or the full machine.

The Doosan Protection Plus extended warranty provides an easy way to protect your cash flow from unplanned expenses and allows you an easy way to customize the coverage to fit your needs.

- Includes factory-backed parts, labor coverage, as specified by Doosan
 - Coverage is honored at any authorized Doosan dealer
 - \$0 deductible
 - Protection Plus is transferable when you sell or trade your machine
- You may purchase Protection Plus up to 12 months after taking delivery of your Doosan machine.

WHEN DOES THE EXTENDED WARRANTY EXPIRE COMPARED TO A STANDARD WARRANTY?

Time periods include the original standard warranty of 12 months. For example, a 24-month Protection Plus plan provides an additional 12 months of coverage beyond the standard warranty's 12-month time period, for a total of 24 months.



About Your **PROTECTION PLUS COVERAGE**

WHICH DOOSAN MACHINES ARE COVERED BY THE PROTECTION PLUS EXTENDED WARRANTY?

Protection Plus coverage is available for any new, never-before-sold Doosan machine, or currently owned machines that were purchased new within the last 12 months.

WHAT IS A PROTECTION PLUS FULL MACHINE WARRANTY?

A full machine warranty provides coverage for all covered components as specified by Doosan, subject to the exceptions listed by Doosan.

WHAT ISN'T COVERED BY THE PROTECTION PLUS EXTENDED WARRANTY?

The Protection Plus extended warranty does NOT cover the following items:

- Attachments
- Maintenance items, such as oil, filters and batteries
- Miscellaneous items, such as lamps and bulbs
- Rental and downtime expenses
- Wear items, such as tires and tracks

HOW MUCH DOES PROTECTION PLUS COVERAGE COST?

The cost of your Protection Plus extended warranty varies both by machine type and length of coverage desired. Your Doosan dealer can provide a quote and advise you on the cost of the Protection Plus plan you are interested in.

WHO BACKS THE PROTECTION PLUS PROGRAM?

It's backed by Doosan and administered by the entire network of Doosan dealers. Service is provided only by qualified Doosan technicians.

WHO DO I CONTACT AND WHERE DO I GO TO GET EXTENDED WARRANTY SERVICE?

Simply contact the Doosan dealer nearest to you. A machine covered by the Protection Plus warranty can be serviced by any Doosan dealer in the U.S., Canada or Oceania.



About Your PROTECTION PLUS COVERAGE

WHAT WILL DOOSAN DO IF THE PRODUCT FAILS?

Doosan will repair or replace any part or component that fails because of defects in materials or workmanship.

WHICH MACHINE COMPONENTS ARE NOT COVERED BY THE PROTECTION PLUS WARRANTY?

Depending on whether you purchase a full machine, powertrain or powertrain plus hydraulics plan, the components covered vary. Your Doosan dealer can review the differences in coverage with you at any time.

ARE THERE ANY CONDITIONS OR LIMITATIONS ON THE EXTENDED WARRANTY?

Protection Plus customers are required to perform maintenance on the covered machine at regular intervals. Also, Doosan will not be liable for any damage to the machine caused by the use of non-Doosan fluids or filters.

COVERAGE OPTIONS

The Doosan PROTECTION PLUS extended warranty program offers you the following powertrain, powertrain plus hydraulics and full machine plans beyond the terms of the standard warranty:

| HOURS | 24 MONTHS | 36 MONTHS | 48 MONTHS | 60 MONTHS |
|-------|-----------|-----------|-----------|-----------|
| 2,000 | ✓ | ✓ | ✓ | ✓ |
| 3,000 | ✓ | ✓ | ✓ | ✓ |
| 4,000 | ✓ | ✓ | ✓ | ✓ |
| 5,000 | ✓ | ✓ | ✓ | ✓ |
| 6,000 | ✓ | ✓ | ✓ | ✓ |
| 7,500 | ✓ | ✓ | ✓ | ✓ |

For more information on coverage plans, pricing and benefits, work with your local Doosan dealer.



What's covered? POWERTRAIN COVERAGE

ENGINE:

- Camshaft
- Camshaft bearings
- Camshaft drive gear
- Charge air cooler
- Connecting rods and bearings
- Crankshaft bearing and gear
- Crankshaft including front and rear crankshaft seals
- Cylinder head/head gasket
- Cylinder liners
- EGR system manifold
- Electronic engine control module
- Engine block
- Front and rear engine seals
- Front damper
- Injection pump and gasket
- Injection nozzles
- Intake and exhaust manifolds and gaskets
- Oil pan and gasket
- Oil pump
- Piston and rings
- Pressure/temperature sensors and sending units
- Ring gear and flywheel
- Rocker arm cover and gasket
- Thermostats
- Timing gear cover
- Turbocharger and gaskets
- Valve cover and gasket
- Water pump and gasket

TRANSMISSION/DIFFERENTIAL/

HYDROSTATIC:

- Axle housing
- Axles and differentials
- Clutch housing
- Control valves for propel and swing functions only
- Differential housing
- Differential pinion gear/ring gear
- Drive axle hub
- Drive shaft support bearing
- Driveshaft with universal joints
- Electronic control valves
- Final drive and axles
- Final drive pinion
- Final drive planetary gears
- Hydraulic drive/travel motor
- Hydraulic drive pump and gaskets
- Hydraulic transmission control valves
- Hydrostatic/hydraulic pump drives
- Hydrostatic motor
- Hydrostatic transmission charge pump
- Hydrostatic transmission pump
- Internal transmission control linkage
- Planetary gear carrier

- Propel motor, pump, brakes and control valves
- Pump and valve controller
- Reverse with control valve
- Splitter drive
- Swing motor and brake
- Swing gearbox and bearings
- Torque converter
- Torque converter pump
- Transfer drive
- Transmission case
- Transmission gear, bearing and shaft
- Transmission pump
- Travel and swing sections only of main control valve
- Travel control valve
- Turntable bearing
- Wet park brakes
- Wet service brakes
- Wet steering brakes
- Wet steering clutches



POWERTRAIN



TERMS AND CONDITIONS

During the applicable period of the "Protection Plus Plan," the authorized Doosan dealer shall repair or replace, at the option of Doosan, without charge for parts and labor, any component of the Doosan machine which fails because of defects in material or workmanship except as otherwise provided below. The owner of the protected machine agrees to provide the dealer from which the Doosan machine was purchased with prompt written notice of any defects covered by the "Protection Plus Plan" and to allow a reasonable time for replacement or repair. Doosan may, at its option, request the return of failed parts to its factory.

Protection Plus does not cover extra expenses such as parts freight, cleanup, shop supplies, tools, diagnostic or troubleshooting time, loss of pay or other consequential matters. The owner also agrees that travel time of mechanics or transportation of the Doosan machine to the servicing dealer is not covered. The owner is responsible for the travel cost. The "Protection Plus Plan" does not cover tires, belts or other trade accessories or attachments not manufactured by Doosan. The owner shall rely solely on the warranty, if any, of the respective manufacturers thereof. It does not cover the replacement of scheduled service items such as oil filters, gaskets and other high wear or normal replacement items, nor does it cover damages resulting from abuse, neglect, accidents, alterations, use of the Doosan machine with any accessory or attachment not approved by Doosan, air flow obstructions, or failure to maintain or use the Doosan machine according to the instructions applicable to it. In order to ensure coverage under the "Protection Plus Plan," the owner must submit proof that maintenance intervals have been followed. It is the obligation of the owner to provide such verification when submitting warranty claims. In addition, Doosan will not be liable under the "Protection Plus Plan" for any defect or damage which is caused by the use of non-Doosan fluids or filters. Refer to the Operation & Maintenance manual and Parts manual for the correct Doosan fluids and filters.

THE "PROTECTION PLUS PLAN" IS IN LIEU OF ALL OTHER WARRANTIES. DOOSAN DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE REMEDIES PROVIDED UNDER THE PLAN ARE EXCLUSIVE. IN NO EVENT SHALL DOOSAN OR THE AUTHORIZED DOOSAN DEALER BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES WHATSOEVER, INCLUDING, BUT NOT LIMITED TO, LOSS OR INTERRUPTION OF BUSINESS, LOST PROFITS, OR LOSS OF MACHINE USE, WHETHER BASED ON CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY, STATUTE OR OTHERWISE, EVEN IF DOOSAN OR THE AUTHORIZED DOOSAN DEALER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. DOOSAN RESERVES THE RIGHT TO DENY THE SALE OF COVERAGE ON ANY MACHINE AT ANY TIME.

PLAN FOR LONG-TERM SUCCESS WITH DOOSAN EQUIPMENT.

ASK YOUR DEALER FOR PROTECTION PLUS
EXTENDED WARRANTY



**PROTECTION
PLUS**  Extended Warranty

DOOSAN

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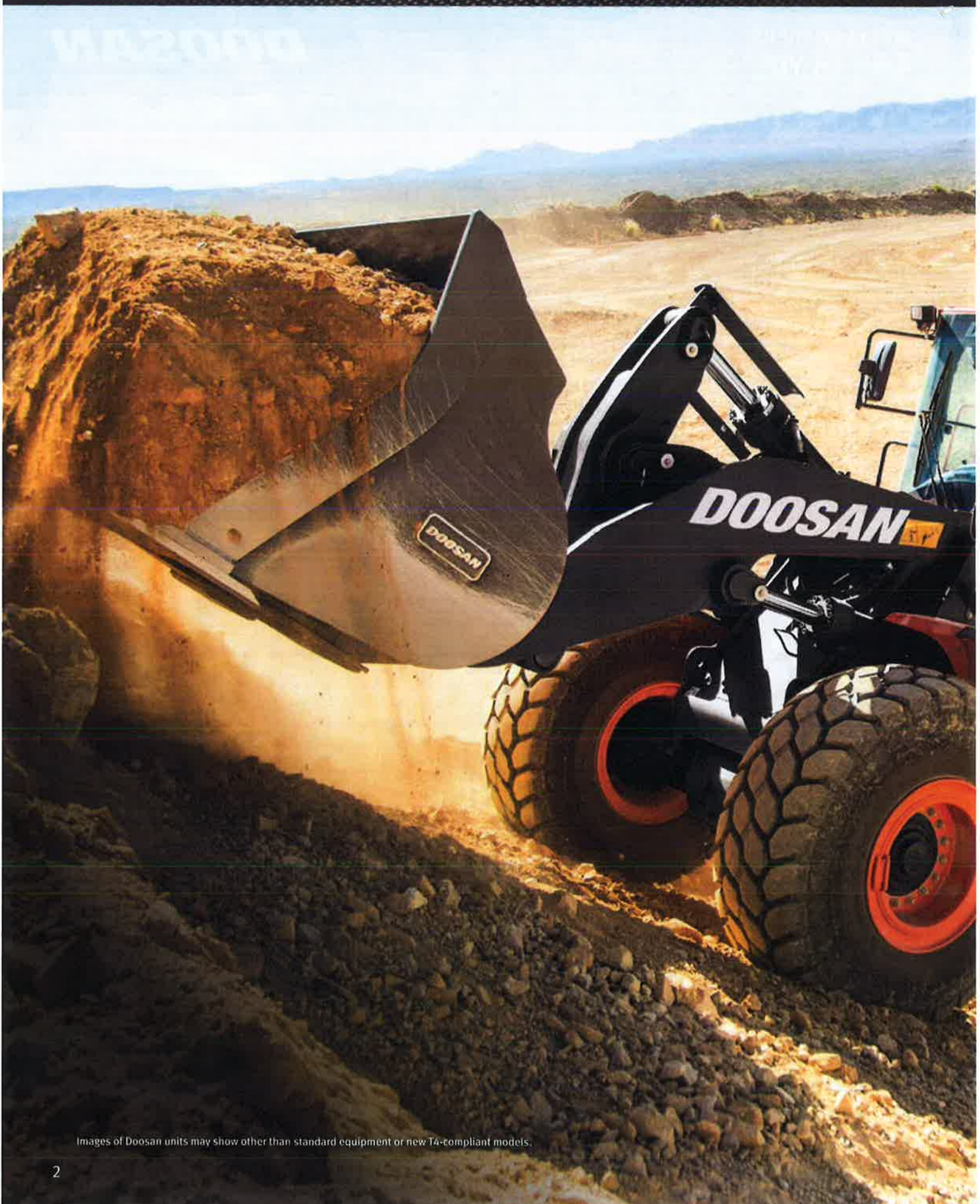
WHEEL LOADERS
4.0 – 7.5 YD³

DOOSAN



| | Bucket Capacity | | Operating Weight | Rated Power |
|-----------------|---------------------|--------------------|------------------------|-----------------|
| | Heaped, ISO / SAE | | | Gross |
| DL300-5K | 4.2 yd ³ | 3.2 m ³ | 41,484 lb. (18 980 kg) | 271 hp (202 kW) |
| DL350-5K | 4.8 yd ³ | 3.7 m ³ | 43,451 lb. (19 750 kg) | 271 hp (202 kW) |
| DL420-5 | 5.5 yd ³ | 4.2 m ³ | 50,783 lb. (23 035 kg) | 345 hp (257 kW) |
| DL450-5 | 6.3 yd ³ | 4.8 m ³ | 56,868 lb. (25 795 kg) | 345 hp (257 kW) |
| DL550-5 | 7.5 yd ³ | 5.7 m ³ | 69,897 lb. (31 705 kg) | 380 hp (283 kW) |

A HERITAGE OF DEDICATION



Images of Doosan units may show other than standard equipment or new T4-compliant models.

While Doosan is a relatively young brand in the North American construction equipment market, the organization has a heritage in equipment manufacturing that goes back to 1937. And since 2005, we've grown to become the fifth largest construction equipment manufacturer in the world.



Today, Doosan Infracore Construction Equipment America (DICEA) and its affiliates are industry leaders in the engineering, manufacturing and marketing of construction equipment, including:

- Skid-Steer Loaders
- Excavators
- Wheel Loaders
- Articulated Dump Trucks
- Attachments
- Air Compressors
- Lighting Systems
- Generators
- Compact Construction Equipment
- Engine Power Systems

Building Your Tomorrow Today

Beyond its products for the construction industry, Doosan Infracore Support Business (ISB) segments include forklifts, material handling, machine tools, castings, forgings, construction, engineering, power generation, water treatment and desalination, plus renewable energy.

Your North American Partners.

With our network of dealers and a company infrastructure that spans North America, we can fully support your equipment from coast to coast.



West Fargo, ND
Sales & Marketing

Tucson, AZ
Product Training & Testing

Litchfield, MN
Heavy Attachments

Chicago, IL
Parts Distribution

Suwanee, GA
Service Training & Product Management

PERFORMANCE

With tremendous lift height and capacity, along with enough torque to bite into the toughest materials, Doosan wheel loaders go a step beyond scooping, carrying and loading. It's your ticket to making harder work easier, longer days more enjoyable, and every minute more productive and profitable.



Optimized Engine Horsepower

A finely-tuned horsepower curve and increased torque make you the picture of productivity. The SCR catalyst system reduces emissions.



Outstanding Traction and Pushing Power

Doosan axles are carefully designed to work with the model you choose, maximizing your traction for easy maneuverability and providing excellent pushing power to take a big, satisfying bite out of any pile.

Limited Slip Differential allows the wheel with the most traction to receive the proper torque, providing superior tractive effort and maneuverability in tough terrain.



Lift Capacity

The ability to take on big heavy loads is critical for doing more work in less time. Doosan doesn't let you down. Load-sensing, closed-center hydraulics provide superior lift capacities for every model size.

Hydraulic Locking Front Differential (opt*) locks the front wheels together, providing superior traction for driving over loose, slippery terrain or pushing into big, heavy piles.

**Standard on the DL550-5*

Self-Adjusting Brakes increase performance and minimize maintenance. If needed, a technician can easily check the brakes and adjust externally. The brake piping is integrated with the axle housing to protect it from jobsite debris damage.

Engine Power Modes

Choose from three different engine power modes to change machine performance for job conditions or to reduce fuel consumption.

Power Mode delivers the highest level of performance for fast loading and travel to finish loads of heavy-duty work in less time.

Normal Mode is ideal for general work conditions and optimal fuel consumption.

Economy Mode minimizes fuel consumption and engine sound levels for comfortable, economical light-duty work.

Planetary Final Drives

The planetary final drives transfer torque to the wheels through the transmission and differential. They enable higher travel speeds and great torque reduction. The outboard, hub-mounted design makes maintenance easy.



PRODUCTIVITY

Features mean nothing if your machine can't do more in a day. It all comes down to productivity – and nobody understands that better than Doosan.



FNR Joystick

Direction changes don't get any simpler than this. Once activated, just depress the joystick buttons to switch back and forth from forward, neutral and reverse. You don't have to remove your hands from the controls, which increases your performance and reduces fatigue.

Tier 4 (T4) Compliant

Optimized to provide more power output with reduced fuel consumption, Doosan wheel loaders are designed with T4 compliant engines to reduce air pollution.



Cooled Exhaust Gas Recirculation (CEGR)

CEGR recycles a portion of the engine exhausts to reduce oxygen (O) and lower the temperature in the combustion chamber. This reduces nitrogen oxide (NO_x) emissions.

Diesel Oxidation Catalyst (DOC)

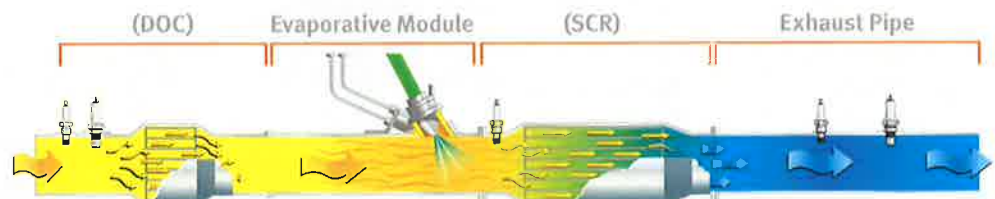
In the DOC, carbon monoxide (CO) and particulate matter (PM) emissions are transformed into harmless water (H₂O) and carbon dioxide (CO₂).

Evaporative Module

In the evaporative module, or mixing pipe, diesel exhaust fluid (DEF) solution is injected in small doses and mixed with hot exhaust gases, decomposing it into urea (CO(NH₂)₂) and water vapor, which then catalyzes into carbon dioxide and ammonia (NH₃).

Selective Catalyst Reduction (SCR)

In the SCR canister, nitrogen oxide (NO_x) mixes with ammonia, and a chemical reaction takes place resulting in nitrogen (N) and water vapor emitting from the system. The SCR canister also acts as the silencer or muffler.





Fast Cycle Times

The entire Doosan wheel loader lineup is carefully engineered for a perfect balance of speed and controllability – so you get optimal production. Variable displacement piston pumps in all models allow Doosan wheel loaders to power through difficult jobs with minimal fuel consumption and multifunction operation of the lift arm and bucket.

Diesel Exhaust Fluid (DEF)

DEF is a solution of pure urea and deionized water. A minimum level of DEF is required for proper machine operation, and the DEF supply tank is heated for proper operation in cold weather. DEF is available from your Doosan dealer in various container sizes.

(DEF Tank)



Optional Load Isolation System

The load isolation system, sometimes referred to as “ride control,” cushions the lift arm while traveling over rough terrain, minimizing the amount of material spillage while carrying a load and reducing operator fatigue. It also comes in handy when your customers pay for material by the bucket.



FUEL EFFICIENCY
DOOSAN VS COMPETITORS



Fuel Efficiency

Fuel use is a significant cost of operation, and Doosan efficiently delivers more work for the money. In our fuel efficiency tests against equivalent machines from other manufacturers, the Doosan wheel loader consistently moved more material per gallon of fuel.

PRODUCTIVITY

Whether you're loading a small truckload or moving a mountain of material, Doosan delivers amazing results in less time.



Return to Dig

Sensors on the lift arm and bucket linkage allow you to change your "return to dig" setting from inside the cab. The cylinders and cutting edge return to the same position every time, enabling more efficient, consistent work.

Lift Kickout

Set the maximum lift height for working inside buildings or other areas with height restrictions. Simply pull back on the control joystick to override.

Transmission Modes

With three separate transmission modes, you can choose the transmission you want for the working conditions you face, making it easy to tailor performance for better productivity.



Transmission Optimization is a key feature of the automatic transmission modes. It calibrates different shift points to tailor the amount of power and engine torque per gear. When you engage either Auto 1-4 or Auto 2-4 in Economy Mode, the automatic transmission shifts at the optimal point for increased fuel efficiency. In Power Mode or Normal Mode, the transmission shift point occurs 20 percent later — allowing more torque and power within each gear range.

Manual is ideal when the job requires precise speed control.

Auto 1-4 automatically shifts up when you need more speed and downshifts when the job demands more power or torque. It's excellent for heavy-duty applications.

Auto 2-4 with Manual Kickdown gives you automatic shifting between gears 2 through 4, with a manual downshift into first gear when you need it. It provides the best performance for less demanding work conditions.

Transmission Cutout

Need more engine power for lift arm speed? In lower gears, simply depress the left brake pedal to disengage the transmission. Disengage transmission cutout with your switch panel to start moving on an incline with greater ease.

Torque Converter

The torque converter improves power train efficiency in load and carry operations, which contributes to improved fuel efficiency.

The Optional Torque Converter Lockup Clutch enables nearly 100 percent torque transfer directly from the engine to the transmission, for quicker acceleration and climbing uphill. Engaged via a dash-mounted switch, it increases productivity up to 20 percent in stockpiling applications and improves gear shifting for faster cycle times during truck loading and boasts high-gear performance during load-and-carry operations.

Auto Idle

The standard auto idle feature automatically reduces the engine RPM to standby idle a few seconds after the steering wheel, gearshift control lever and accelerator cease movement. This reduces noise, improves jobsite communications and saves fuel. When you move the controls, the loader automatically returns to working idle.

Auto Shutdown

When enabled, the engine will shut down after idle time reaches a specified elapsed time (three to 60 minutes).

An Optional Hydraulic Coupler

increases your productivity with non-hydraulic attachments, such as the pallet fork, saving you time by enabling you to switch from one attachment to the next without leaving the cab.



Z-Bar Lift Arm Linkage is designed for heavy lifting in loading applications, with geometry that enables rapid bucket movement and proper angle positioning in every situation.

Standard Z-Bar has excellent break-out forces for easier digging and penetration into tough materials — and it increases the lifting capacity of every Doosan loader.

High Lift Z-Bar is optional and is designed for applications requiring the highest possible dumping height. It's ideal for cement plants, scrap, mulch or wastewater transfer stations.

DURABILITY / RELIABILITY

Doosan builds its machines so they're ready to work when you are. Whether it's solid construction, heavy-duty parts and materials or innovative features that keep you on the job with fewer service intervals, your wheel loader ranks among the toughest and most profitable machines in the industry.

Axle Oil Cooler

(optional DL420-5, DL500-5) For certain applications, such as long-distance load carrying or high-ambient temperature conditions, the optional axle cooler improves reliability.



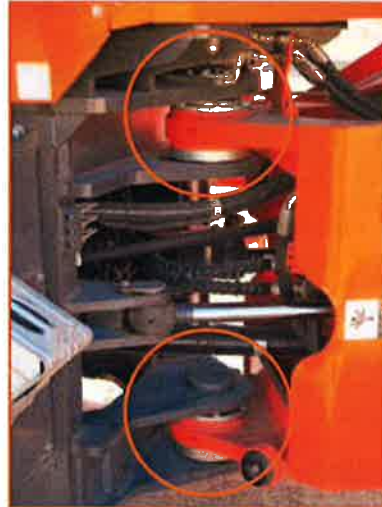
Tough, Rigid Frame

Each frame section is designed to maximize the life of the machine. Thick steel plates, cross members and gussets join to form a strong, durable articulation joint that stands up to years of difficult work.



Lift Arm Pin Protection

Lift arm pins are protected with bushings and dust covers to increase pin life and reduce maintenance.



Double Roller Articulation Joint Bearing

To create an articulation pivot point with superior strength, tough double roller bearings are used at both the top and bottom hinge points between the front and rear frames.

Variable Speed Cooling Fan

The variable speed fan slows and speeds up as required by the work demands of your loader. In lighter-duty conditions, the coolant temperature is low and the fan slows – saving fuel and extending the cooling system's life.



Reversible Cooling Fan

By pressing a console switch, the cooling fan can be reversed to assist in keeping the cooling system clean in extremely dusty applications. Press it to keep the machine running at optimal temperature. You can also set it to auto reverse for a few minutes at a time at different intervals – at 30, 60, 90 or 120 minutes depending on work conditions.



Large Center Driveline Bearing

An oversized bearing, vented to prevent over greasing, increases durability of the front drive shaft.

Separate Cooling and Engine Compartments

Doosan isolates the wheel loader engine from the cooling system. This design increases cooling capacity and extends the life of your engine components.

Thick Lift Arm Plates

Thick, solid-steel lift arm plates provide maximum durability in harsh conditions – along with improved lift capacities and a narrower arm design that increases your visibility.



All-Steel Panels

Access panels on Doosan wheel loaders allow easy maintenance access. But more than that, they're durable formed-metal parts that protect critical engine, hydraulic and electrical components.



Exhaust Heat Exchanger

As exhaust leaves the muffler on your Doosan wheel loader, it enters a larger external riser pipe with rain shield. This design creates a vacuum that pulls hot air out of the engine compartment, making your engine and cooling system run more efficiently.

COMFORT

Doosan understands the close connection between comfort and productivity. You can't push your performance to the limit when you're uncomfortable. The Doosan cabin is packed from floor to ceiling with high-end comfort that makes every operator more productive and satisfied on the job.

Quiet Operation

A quiet operating environment plays a big part in keeping operators comfortable and focused on the job. Noise levels in the cabin stay below a comfortable 71 decibels, thanks to the variable speed cooling fan, double-walled muffler, soundproof materials throughout the engine compartment and tightly sealed and pressurized cabin.

Excellent Visibility

Large front and rear glass surface areas provide an excellent view to the loader workgroup and jobsite. Narrow corner pillars and small window joints increase visibility to the front of the machine. Heated mirrors provide aid during cold temperatures.

Electric Steering Option

Optional electric steering allows you to control direction and steer the machine with easy-to-operate switches on the left arm rest, providing extra operator comfort during repetitive cycle operations.

Easy Entry and Exit

Grab handles and offset steps with slip-resistant surfaces provide easy access to the cabin and easy exit when work is finished. A 180-degree swinging door that can lock to the open position provides a wide opening to move in and out of the machine. Inside, ample floor space gives you room to work and exceptional comfort.

Ergonomic Controls

All controls are located within easy reach for intuitive, easy operation, from the steering wheel and joystick to the switches for optional equipment.



Optional Rearview Camera

Provides you with an additional means of viewing the machine's surroundings, allowing for increased productivity.

Heated Mirrors

Heated mirrors melt frost and snow quickly to provide visibility aid during operation.

Automotive-Style Heat and Air Conditioning

High-capacity heating and cooling vents and an easy-to-control temperature keep you comfortable all year long. Automatic temperature control senses and adjusts to the temperature setting automatically. A memory function returns it to your preferred temperature if you shut the machine off and restart later.

Easy-to-Read LCD Display Panel

An easy-to-read LCD display panel is placed within easy view for monitoring critical machine data and receiving machine warnings.



Standard Radio with CD-Player and Player Input

Tune into your favorite over-the-air stations, or take your favorite digital music format with you to make every hour on the job more enjoyable.

Adjustable Comfort

The standard air suspension seat has multiple adjustment points, allowing you to select the most comfortable position.

- A Seat Height
- B Seat Fore/Aft
- C Back Recline
- D Lumbar Support
- E Armrest Angle
- F Seat Heater
- G Headrest Up/Down



EASY MAINTENANCE

You can't avoid regular maintenance, but you can make it easier to do. That's how Doosan approaches its wheel loader design. Excellent durability, centrally-located maintenance points, onboard diagnostic systems and easy component access deliver low-effort maintenance and long-lasting performance.

Swing-Out Fan

The cooling system, located at the rear to take in cooler and cleaner air, is mounted on a hinge to provide trouble-free access to the cooler group. The rear screen flips up and the fan swings out, enabling easy cleaning and service.

Easy Component Access

Big, easy-to-open access covers and fold-up panels provide fast, ground-level access to critical engine and hydraulic components. When it's easy to reach and service components, you save time on maintenance and reduce your operating costs.

Remote Drain Ports

Easy-to-access remote drain valves make for fast, convenient exchanges of engine oil and cooling system coolant.



Doosan Telematics

Doosan's Telematics provides machine intelligence through a device that comes standard on all Doosan machines. The device communicates wirelessly through either cellular or satellite communication. Machine information can be viewed via the CoreTMS website, which then allows you to assess various aspects of your Doosan machine.

Key benefits include:

- Review maintenance schedules
- Maximize machine utilization & uptime
- Improve operator efficiency & training
- Monitor fuel use & efficiency
- Theft prevention alerts



Sight Glass for Major Fluid Levels

Sight glasses on the machine provide quick, easy fluid-level checks. All it takes is a quick visual check to know if your fluid reservoirs are properly filled.



Color-Coded, Labeled Wiring and Hydraulic Hoses

Strategically labeled wiring enables plug-and-play installation for electrical accessories, such as the rotating beacon. It also allows quicker, easier electrical troubleshooting of the electrical and hydraulic systems.

Self-Diagnostics

The LCD monitor helps you monitor critical systems in real time. Plus, you can access historical machine alerts right from the screen in the cabin. Hydraulic pressures previously monitored with remote check ports are now viewable on the main display monitor to improve serviceability.



Doosan Monitoring System with Laptop Access

The Doosan Monitoring System is a diagnostic program that gives your dealer's technician a direct communications link with your wheel loader. During operation, it monitors all critical data and provides a complete history of operation and a real-time log of machine failures. Armed with information like this, your dealer service personnel can fix issues fast – and you can get back to work.

DEF Tank Fill

An easy DEF fluid fill ensures your T4-compliant Doosan machine operates at its full potential with fewer harmful emissions. DEF is available from your Doosan dealer in various container sizes.



Centralized Lubrication Points

For a long-lasting machine, daily maintenance is critical. Remote grease points make it easier to lubricate hard-to-reach pins on the lift arm and articulation system. Daily greasing happens on the ground – and it's more likely to get done.



Automatic Central Lubrication System (optional)

Provides automatic lubrication to 23 locations via a user-set timing interval. Metering valves throughout the machine apply the proper amount of grease to each point.

VERSATILITY

Doosan equipment is optimized for attachment versatility to help you do more. Our tough attachments are matched to your machine's operator weight and load settings – so you can rely on epic productivity with every job



Selectable Engine Power Modes

The Doosan wheel loader has three engine power modes — ECO, Normal and Power — to further adapt your loader's performance to the application and deliver the right balance of power and fuel economy.

Auxiliary Hydraulics (3rd Valve)

For hydraulic attachments, such as the multi-purpose bucket, an auxiliary line for hydraulic attachments comes standard.





Hydraulic Quick Coupler

Change your wheel loader attachments quickly and easily. Two different coupler styles allow you to easily match attachments to the machine.

Boom Float

The boom float allows your bucket to follow the ground contours, which saves you time and protects productivity when backdragging during snow removal.



General Purpose Bucket

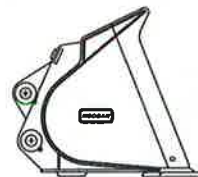


With a sloped bottom for maximum filling and material retention, this is the perfect bucket for day-to-day material handling. Capacities range from 4 to 6.5 yd³.

Available for DL300-3, DL350-3, DL420-3, DL450-3 and DL550-3 wheel loaders. All available with bolt-on cutting edge or teeth.

Pin-On

Quick Coupler



Multi-Purpose Bucket

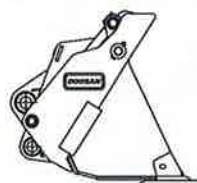


Leveling, dozing, digging, grappling, loading and dumping – this multi-purpose bucket is ready for whatever you've got. Capacities from 3.5 to 4 yd³.

Available for DL300-3 and DL350-3 wheel loaders. All available with bolt-on cutting edge or teeth.

Pin-On

Quick Coupler



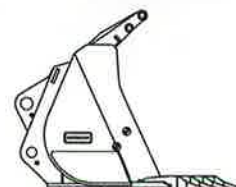
Rock Bucket



Severe digging is no problem for this tough bucket. Spade nose style. Weld-on teeth come standard. Capacities from 4 to 6 yd³.

Available for DL420-3, DL450-3 and DL550-3 wheel loaders.

Pin-On

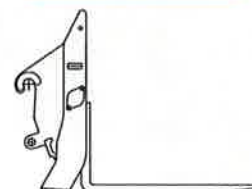


Pallet Fork



Easily lift, carry and place materials. Pallet forks with 72" forks available for DL300-3, DL350-3, DL420-3, DL450-3 and DL550-3 wheel loaders.

Quick Coupler



Quick couplers are available in two designs – JRB and ISO style.
For more information on Doosan attachments, refer to the Doosan Wheel Loader Attachment literature.

SPECIFICATIONS

General Specs

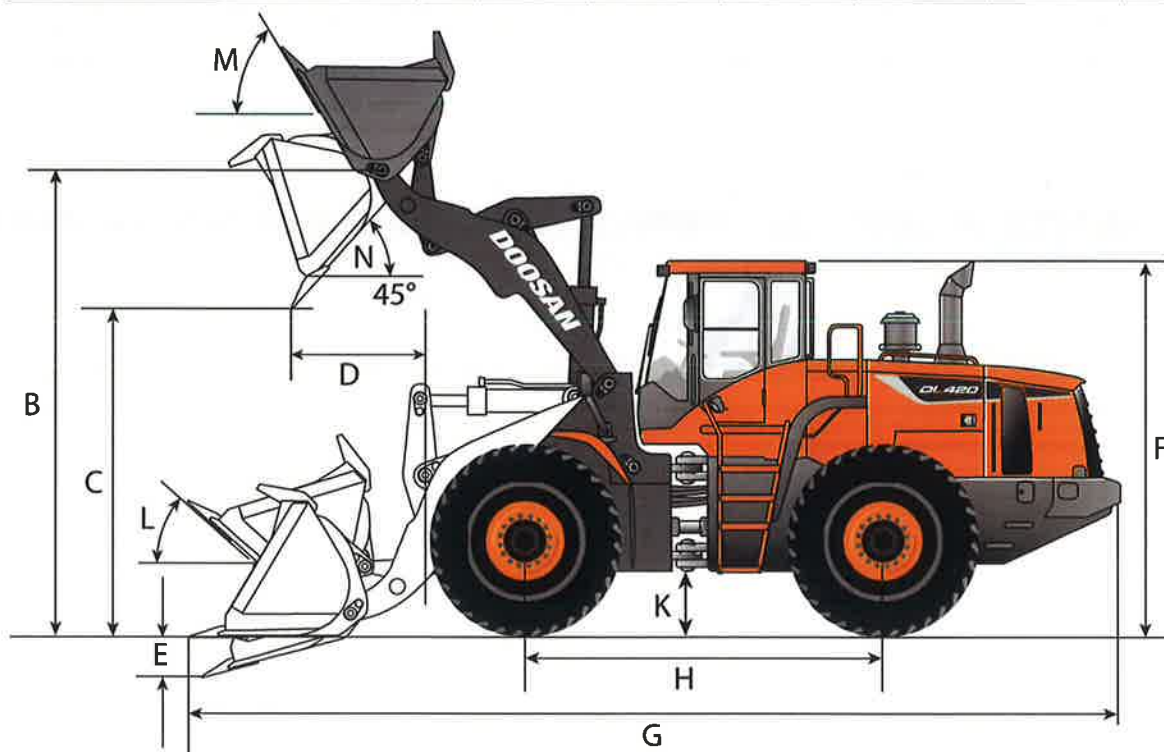
| | | | DL300-5K Standard (US10) | DL350-5K Standard (US10) | DL420-5 Standard (US10) | DL450-5 Standard (US10) | DL550-5 Standard (US10) |
|---------------------------------------|------------------------|-----------------------------------|---|---|---|---|---|
| ENGINE | | | | | | | |
| MAKE | | | Doosan | Doosan | Scania | Scania | Scania |
| MODEL | | | DL08 | DL08 | DC13 | DC13 | DC13 |
| NUMBER OF CYLINDERS | INLINE | | 6 | 6 | 6 | 6 | 6 |
| RATED POWER, GROSS (per SAE J1995) | hp (kW) @ rpm | | 270 (202) @ 1800 | 275 (202) @ 1800 | 345 (257) @ 1800 | 345 (257) @ 1800 | 380 (283) @ 1800 |
| MAXIMUM TORQUE, GROSS (per SAE J1995) | ft.-lb. (Nm) @ rpm | | 940 (1275) @ 1400 | 940 (1275) @ 1400 | 1,180 (1520) @ 1400 | 1,180 (1520) @ 1400 | 1,302 (1520) @ 1400 |
| PISTON DISPLACEMENT | in ³ (L) | | 466 (9.3) | 466 (9.3) | 775 (12.7) | 775 (12.7) | 775 (12.7) |
| BORE AND STROKE | in. x in. (mm x mm) | | 5.1 x 5.5 (130 x 140) | 5.1 x 5.5 (130 x 140) | 5.1 x 6.3 (130 x 160) | 5.1 x 6.3 (130 x 160) | 5.1 x 6.3 (130 x 160) |
| STARTER | V, hp (Kw) | | 24, 8 (6) | 24, 8 (6) | 24, 8 (6) | 24, 8 (6) | 24, 8 (6) |
| BATTERY (2) | V, AH, CCA | | 12, 200, 1300 | 12, 200, 1300 | 12, 200, 1300 | 12, 200, 1300 | 12, 150, 1050 |
| ALTERNATOR | V, amp | | 28, 100 | 28, 100 | 28, 100 | 28, 100 | 28, 100 |
| AIR CLEANER | | | Double Element | Double Element | Double Element | Double Element | Double Element |
| HYDRAULICS | | | | | | | |
| MAIN PUMPS | gpm (L/min) | | 38 (145) | 38 (145) | 70.3 (266) | 70.3 (266) | 55.5 (210) |
| SYSTEM PRESSURE (WORK) | psi (kg/cm2) | | 3626 (255) | 3626 (255) | 3989 (280) | 3989 (280) | 3989 (280) |
| SYSTEM PRESSURE (STEER) | psi (kg/cm2) | | 3046 (214) | 3046 (214) | 2901 (204) | 2901 (204) | 2901 (204) |
| BOOM SPEED | UP | sec. | 5.8 | 5.9 | 6 | 6.3 | 6.4 |
| | DOWN | sec. | 3.2 | 3.5 | 3 | 3 | 4.2 |
| BUCKET SPEED | CROWD | sec. | 2.4 | 2 | 2.3 | 2.3 | 2.1 |
| | DUMP | sec. | 1.6 | 1.4 | 1.7 | 1.6 | 1.4 |
| TRANSMISSION SPEEDS | | | | | | | |
| TRAVEL SPEED - FORWARD (4) | mph (km/h) | | 3.9 / 7.3 / 14.5 / 22.4 (6.2 / 11.7 / 23.3 / 36.0) | 3.8 / 7.1 / 14.3 / 22.4 (6.1 / 11.5 / 23.0 / 36.0) | 4.5 / 7.6 / 11.5 / 22.4 (7.2 / 12.1 / 18.5 / 36.0) | 4.0 / 7.6 / 11.9 / 22.4 (6.5 / 12.2 / 19.1 / 36.0) | 3.9 / 7.3 / 11.6 / 22.4 (6.3 / 11.8 / 18.6 / 36) |
| TRAVEL SPEED - REVERSE (3) | mph (km/h) | | 4.2 / 7.3 / 16.8 (6.7 / 11.8 / 27.1) | 4.0 / 7.3 / 17.1 (6.5 / 11.7 / 27.5) | 4.5 / 7.6 / 11.5 (7.2 / 12.2 / 18.5) | 4.0 / 7.5 / 16.4 (6.5 / 12.1 / 26.4) | 3.9 / 7.3 / 16.1 (6.3 / 11.8 / 25.9) |
| MAXIMUM GRADE | % (*) | | 51 (27) | 51 (27) | 51 (27) | 58 (30) | 58 (30) |
| ENVIRONMENT | | | | | | | |
| SOUND LEVEL (per ISO 6395) | dB(A) | | 107 | 106 | 105 | 106 | 107 |
| CABIN SOUND LEVEL (per ISO 6394) | dB(A) | | 73 | 71 | 71 | 73 | 72 |
| REFILL CAPACITIES | | | | | | | |
| FUEL TANK | gal. (L) | | 64 (241) | 64 (241) | 73 (277) | 89 (336) | 117 (441) |
| DIESEL EXHAUST FLUID TANK | gal. (L) | | 10 (38) | 10 (38) | 16 (60) | 16 (60) | 16 (60) |
| COOLING SYSTEM (RADIATOR) | gal. (L) | | 13 (50) | 13 (50) | 16 (60) | 16 (60) | 16 (60) |
| ENGINE OIL | gal. (L) | | 9 (34) | 9 (34) | 10 (39) | 10 (39) | 12 (45) |
| TRANSMISSION | gal. (L) | | 14 (54) | 14 (54) | 14 (54) | 14 (54) | 14 (54) |
| FRONT AXLE | gal. (L) | | 11 (42) | 11 (42) | 11 (42) | 11 (42) | 16.5 (62.5) |
| REAR AXLE | gal. (L) | | 11 (42) | 11 (42) | 11 (42) | 11 (42) | 16.9 (64) |
| HYDRAULIC SYSTEM | gal. (L) | | 48 (180) | 61 (230) | 61 (230) | 61 (230) | 65 (247) |
| HYDRAULIC CYLINDERS | | | | | | | |
| STEERING (2) | BORE x ROD x STROKE | in. x in. x in. (mm x mm x mm) | 3.1 x 1.6 x 17.7 (80 x 40 x 450) | 3.9 x 2 x 17.7 (100 x 50 x 450) | 3.9 x 2 x 17.7 (100 x 50 x 450) | 3.9 x 2 x 17.7 (100 x 50 x 450) | 4.3 x 2.4 x 18.3 (110 x 60 x 465) |
| LIFT (2) | BORE x ROD x STROKE | in. x in. x in. (mm x mm x mm) | 5.5 x 3.1 x 32.7 (140 x 80 x 831) | 5.9 x 3.7 x 31.5 (150 x 95 x 800) | 6.7 x 4.1 x 31.1 (170 x 105 x 789) | 6.7 x 4.1 x 31.1 (170 x 105 x 789) | 7.5 x 4.1 x 35 (190 x 105 x 890) |
| Bucket (1) | BORE x ROD x STROKE | in. x in. x in. (mm x mm x mm) | 7.1 x 4.1 x 20.3 (180 x 105 x 515) | 7.1 x 4.1 x 21.1 (180 x 105 x 535) | 7.5 x 4.7 x 23.2 (190 x 120 x 590) | 7.5 x 4.7 x 23.2 (190 x 120 x 590) | 8.7 x 5.1 x 24 (220 x 130 x 610) |

NOTE — Where applicable, dimensions are in accordance with Society of Automotive Engineers (SAE) and ISO standards. Specifications and design are subject to change without notice. Images of Doosan wheel loaders may show other than standard equipment. All dimensions are shown in inches. Respective metric dimensions are enclosed by parentheses. Doosan Construction Equipment is manufactured with a Quality Management System that is in compliance with ISO 9001:2008.

All dimensions are given for Doosan wheel loaders equipped with standard tires.

Operational Data

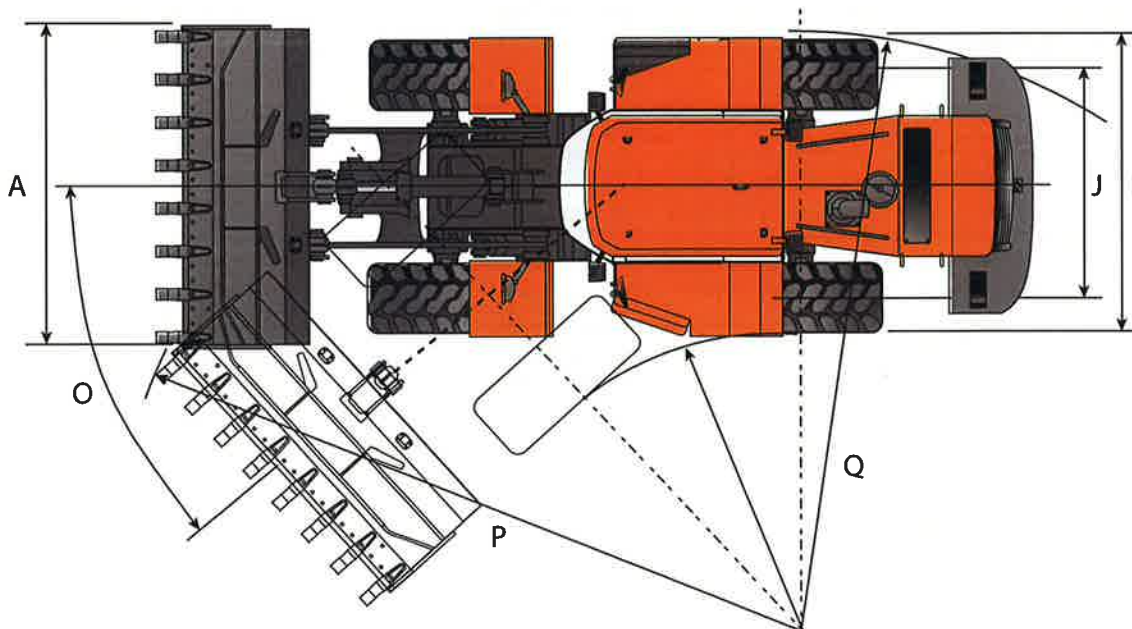
| | | | DL300-5K | | DL350-5K | | DL420-5 | |
|--------------------------------------|---|-----------------------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|
| | | | Standard (US10) | High Lift (US20) | Standard (US10) | High Lift (US20) | Standard (US10) | High Lift (US20) |
| DIMENSION & WORKING RANGE | | | | | | | | |
| BUCKET CAPACITY, HEAPED ISO / SAE | | yd ³ (m ³) | 4.2 (3.2)* | | 4.8 (3.7)* | | 5.5 (4.2)* | |
| BUCKET WIDTH | A | ft. in. (mm) | 9' 6" (2920) | | 9' 10" (3000) | | 10' 9" (3290) | |
| HINGE PIN HEIGHT, MAXIMUM | B | ft. in. (mm) | 13' (3975) | 14' 10" (4530) | 13' 8" (4170) | 15' 4" (4695) | 14' (4280) | 15' 6" (4745) |
| DUMP HEIGHT (45°) - FULLY RAISED | C | ft. in. (mm) | 9' 4" (2845) | 11' 1" (3395) | 10' (3040) | 11' 8" (3565) | 10' 1" (3075) | 11' 9" (3585) |
| DUMP REACH (45°) - FULLY RAISED | D | ft. in. (mm) | 3' 9" (1160) | 3' 10" (1185) | 4' (1220) | 4' 8" (1425) | 4' 1" (1240) | 4' 4" (1310) |
| DIGGING DEPTH | E | ft. in. (mm) | 5" (125) | 10" (250) | 4" (90) | 10" (235) | 6" (150) | 8" (185) |
| OVERALL HEIGHT, ROPS CABIN | F | ft. in. (mm) | 11' 4" (3475) | | 11' 4" (3475) | | 11' 7" (3535) | |
| OVERALL LENGTH | G | ft. in. (mm) | 26' 6" (8095) | 28' 2" (8605) | 27' 3" (8320) | 29' 4" (8960) | 28' 7" (8720) | 30' 9" (9395) |
| WHEEL BASE | H | ft. in. (mm) | 10' 5" (3200) | | 10' 9" (3300) | | 11' 5" (3500) | |
| WIDTH AT TIRES | I | ft. in. (mm) | 9' 1" (2776) | | 9' 1" (2776) | | 9' 9" (2984) | |
| TREAD WIDTH | J | ft. in. (mm) | 7' (2150) | | 7' (2150) | | 7' 6" (2300) | |
| GROUND CLEARANCE | K | ft. in. (mm) | 1' 6" (460) | | 1' 4" (430) | | 1' 7" (495) | |
| MAX. TILT ANGLE ON GROUND | | * | 45 | | 45 | | 45 | |
| MAX. TILT ANGLE AT CARRY POSITION | L | * | 49 | 51 | 48 | 51 | 48 | 51 |
| MAX. TILT ANGLE AT FULLY RAISED | M | * | 61 | 57 | 64 | 63 | 63 | 64 |
| MAX. DUMP ANGLE (FULLY RAISED) | N | * | 45 | | 45 | | 46 | |
| STEERING ANGLE, MAXIMUM | O | * | 40 | | 40 | | 40 | |
| EXTERNAL RADIUS, BUCKET EDGE | P | ft. in. (mm) | 21' (6405) | 21' 9" (6650) | 21' 8" (6615) | 22' 8" (6915) | 22' 10" (6955) | 23' 1" (7035) |
| EXTERNAL RADIUS, OUTSIDE TIRE | Q | ft. in. (mm) | 19' (5800) | | 19' 10" (6050) | | 21' 7" (6570) | |
| TIRE SIZE | | | 23.5-25 | | 23.5-25 | | 26.5-25 | |
| OPERATING WEIGHT | | lb. (kg) | 41,844 (18 980) | 42,869 (19 445) | 43,541 (19 750) | 44,743 (20 295) | 50,783 (23 035) | 51,919 (23 550) |
| STATIC TIPPING LOAD (STRAIGHT) | | lb. (kg) | 33,061 (15 380) | 26,918 (12 210) | 34,855 (15 810) | 27,470 (12 460) | 40,256 (18 260) | 32,320 (14 660) |
| STATIC TIPPING LOAD (AT FULL TURN) | | lb. (kg) | 29,194 (13 580) | 23,766 (10 780) | 30,776 (13 960) | 24,251 (11 000) | 35,550 (16 125) | 28,550 (12 950) |
| BREAKOUT FORCE | | lbf. (kgf) | 37,767 (17 131) | 36,643 (16 621) | 36,869 (16 723) | 35,969 (16 315) | 47,209 (21 414) | 45,186 (20 496) |



Operational Data *Continued*

| | | | DL450-5 | | DL550-5 | |
|--------------------------------------|---|-----------------------------------|-----------------|------------------|-----------------|------------------|
| | | | Standard (US10) | High Lift (US20) | Standard (US10) | High Lift (US20) |
| DIMENSION & WORKING RANGE | | | | | | |
| BUCKET CAPACITY, HEAPED ISO / SAE | | yd ³ (m ³) | 6.3 (4.8)* | | 7.5 (5.7)* | |
| BUCKET WIDTH | A | ft. in. (mm) | 10' 9" (3277) | | 11' 2" (3405) | |
| HINGE PIN HEIGHT, MAXIMUM | B | ft. in. (mm) | 14' 9" (4500) | 16' 4" (4985) | 15' 8" (4795) | 17' 1" (5220) |
| DUMP HEIGHT (45°) - FULLY RAISED | C | ft. in. (mm) | 10' 7" (3240) | 12' 2" (3730) | 11' 2" (3405) | 12' 6" (3830) |
| DUMP REACH (45°) - FULLY RAISED | D | ft. in. (mm) | 4' 2" (1280) | 4' 10" (1480) | 4' 7" (1400) | 5' 3" (1620) |
| DIGGING DEPTH | E | ft. in. (mm) | 4" (105) | 10" (270) | 3" (80) | 8" (205) |
| OVERALL HEIGHT, ROPS CABIN | F | ft. in. (mm) | 11' 9" (3581) | | 12' 5" (3785) | |
| OVERALL LENGTH | G | ft. in. (mm) | 30' (9155) | 32' (9755) | 31' 9" (9680) | 33' 7" (10 255) |
| WHEEL BASE | H | ft. in. (mm) | 11' 7" (3550) | | 12' 1" (3700) | |
| WIDTH AT TIRES | I | ft. in. (mm) | 9' 9" (2984) | | 14' 7" (4458) | |
| TREAD WIDTH | J | ft. in. (mm) | 7' 6" (2300) | | 7' 11" (2420) | |
| GROUND CLEARANCE | K | ft. in. (mm) | 1' 5" (455) | | 1' 6" (480) | |
| MAX. TILT ANGLE ON GROUND | | * | 45 | 44 | 43 | |
| MAX. TILT ANGLE AT CARRY POSITION | L | * | 50 | 51 | 48 | 50 |
| MAX. TILT ANGLE AT FULLY RAISED | M | * | 66 | 63 | 67 | 62 |
| MAX. DUMP ANGLE (FULLY RAISED) | N | * | 45 | | 47 | |
| STEERING ANGLE, MAXIMUM | O | * | 40 | | 40 | |
| EXTERNAL RADIUS, BUCKET EDGE | P | ft. in. (mm) | 23' 6" (7160) | 24' 4" (7420) | 24' 8" (7515) | 25' 6" (7790) |
| EXTERNAL RADIUS, OUTSIDE TIRE | Q | ft. in. (mm) | 21' 5" (6540) | | 21' 5" (6540) | |
| TIRE SIZE | | | 26.5-25 | | 29.5-25 | |
| OPERATING WEIGHT | | lb. (kg) | 56,868 (25 795) | 57,618 (26 135) | 69,897 (31 705) | 71,617 (32 485) |
| STATIC TIPPING LOAD (STRAIGHT) | | lb. (kg) | 45,228 (20 515) | 42,902 (19 460) | 53,175 (24 120) | 43,453 (19 710) |
| STATIC TIPPING LOAD (AT FULL TURN) | | lb. (kg) | 39,937 (18 115) | 37,875 (17 180) | 46,947 (21 295) | 38,371 (17 405) |
| BREAKOUT FORCE | | lbf. (kgf) | 51,930 (23 555) | 51,256 (23 249) | 55,303 (25 085) | 56,877 (25 799) |

* Bucket Type = Pin-On, General Purpose with Bolt-On Cutting Edge



Standard/Optional Equipment

| | DL300-SK | DL350-SK | DL420-S | DL450-S | DL550-S |
|---|----------|----------|---------|---------|---------|
| ENGINE | | | | | |
| Emissions (EPA) | T4 | T4 | T4 | T4 | T4 |
| High Pressure Common Rail (HPCR) | • | • | • | • | • |
| Cooled Exhaust Gas Recirculation (CEGR) | • | • | • | • | • |
| Exhaust Brake | • | • | • | • | • |
| Selective Catalyst Reduction (SCR) | • | • | • | • | • |
| Diesel Exhaust Fluid (DEF) | • | • | • | • | • |
| Fuel Filter with Water Separator | • | • | • | • | • |
| Coolant Recovery tank | • | • | • | • | • |
| Dual Element Dry-Type Air Filter with Evacuator | • | • | • | • | • |
| Pre Cleaner | • | • | • | • | • |
| Electronic Engine Control (ECU) | • | • | • | • | • |
| Auto-Idle (Working to Standby) | • | • | • | • | • |
| Overheat & Low Oil Pressure Engine Protection | • | • | • | • | • |
| Cooling Fan - Radiator, Variable Speed | • | • | • | • | • |
| Cooling Fan - Radiator, Automatic Reversible | • | • | • | • | • |
| Block Heater | ■ | ■ | ■ | ■ | ■ |
| HYDRAULIC | | | | | |
| Variable Displacement Axial Piston Pump | • | • | • | • | • |
| Closed-Center System | • | • | • | • | • |
| Pilot-Operated Control Valves | • | • | • | • | • |
| Remote Test Ports | • | • | • | • | • |
| Spring Applied Hydraulic Release Brake | • | • | • | • | • |
| Auxiliary Hydraulics (3rd Valve) | • | • | • | • | • |
| Automatic Boom/Lift Kick-Out, Adjustable (in cab) | • | • | • | • | • |
| Automatic Return-to-Dig Position, Adjustable | • | • | • | • | • |
| Boom Float | • | • | • | • | • |
| Load Isolation System | ■ | ■ | ■ | ■ | ■ |
| ELECTRICAL | | | | | |
| System Voltage - 24V | • | • | • | • | • |
| Alternator - 24V, 100 Amp | • | • | • | • | • |
| 2 x 12V Batteries, 200 AH Reserve Capacity | • | • | • | • | • |
| Blade Type Fuse Panel | • | • | • | • | • |
| Main Circuit Breaker | • | • | • | • | • |
| Light, Work (Halogen): Front (2), Rear (2) | • | • | • | • | • |
| Light, Headlights (High/Low Beams) (2) | • | • | • | • | • |
| Light, Stop, Tail & Direction Indicators | • | • | • | • | • |
| Rotating Beacon | ■ | ■ | ■ | ■ | ■ |
| Hour Meter | • | • | • | • | • |
| Rear View Camera | ■ | ■ | ■ | ■ | ■ |
| Laptop Service Port | • | • | • | • | • |
| Self-Diagnostics System | • | • | • | • | • |
| Telematics | • | • | • | • | • |

| | DL300-SK | DL350-SK | DL420-S | DL450-S | DL550-S |
|--|----------|----------|---------|---------|---------|
| CABIN | | | | | |
| Steel, All-Weather & Sound Suppressed | • | • | • | • | • |
| ROPS (ISO 3471) | • | • | • | • | • |
| Front & Rear Window with Wiper/Washer | • | • | • | • | • |
| Tinted Safety Glass | • | • | • | • | • |
| Visor, Retractable | • | • | • | • | • |
| Defrost | • | • | • | • | • |
| Lockable Doors | • | • | • | • | • |
| Seat - Air Suspension - 2" (51 mm) Seat Belt - Adjustable Height & Recline - Adjustable Arm Rests - Adjustable Fore/Aft | • | • | • | • | • |
| Seat - Heater | • | • | • | • | • |
| 3" (76 mm) Seat Belt | ■ | ■ | ■ | ■ | ■ |
| Control Stand - Sliding (Fore/Aft) | • | • | • | • | • |
| Storage | • | • | • | • | • |
| Mirror, Rear View (1) | • | • | • | • | • |
| Mirrors, Exterior (2) Heated | • | • | • | • | • |
| Fully Automatic HVAC w/ Ambient Temperature Sensor | • | • | • | • | • |
| Multi-Function LCD | • | • | • | • | • |
| Cigarette Lighter | • | • | • | • | • |
| AM/FM Stereo with CD Player & MP3 Port | • | • | • | • | • |
| Speakers (2) | • | • | • | • | • |
| Antenna, Roof-Mounted | • | • | • | • | • |
| Power Socket, 12V | • | • | • | • | • |
| Beverage Holder | • | • | • | • | • |
| Hot/Cold Compartment | • | • | • | • | • |
| Interior Light | • | • | • | • | • |
| CONTROLS | | | | | |
| Adjustable steering column - Tilting - Telescoping | • | • | • | • | • |
| Electric Steering (Left Armrest Joystick) | ■ | ■ | ■ | ■ | ■ |
| Throttle Pedal (Accelerator) | • | • | • | • | • |
| Brake Pedal, Right | • | • | • | • | • |
| Brake Pedal, Left (Transmission Kick Out) | • | • | • | • | • |
| Gear Selector (FnR) | • | • | • | • | • |
| Joystick Control | • | • | • | • | • |
| Finger Tip Control (3 Lever) | ■ | ■ | ■ | ■ | ■ |
| Switches, Console-Mounted - Starter (Key) - Parking Brake - Pilot Cutoff - Transmission Cutoff - Work Light - Reversible Cooling Fan | • | • | • | • | • |
| Power Mode (P, S, E) | • | • | • | • | • |
| Transmission Mode | • | • | • | • | • |
| Wiper Control Panel | • | • | • | • | • |
| Audio Control Panel | • | • | • | • | • |

- Standard Equipment
- Optional Equipment
- N/A

Standard/Optional Equipment *continued*

| | DL300-5K | DL350-5K | DL420-5 | DL450-5 | DL550-5 |
|--|----------|----------|---------|---------|---------|
| FRAME & DRIVELINE | | | | | |
| Z-Bar Lift Arm | • | • | • | • | • |
| Z-Bar Lift Arm, High Lift | ■ | ■ | ■ | ■ | ■ |
| Steering Cylinder, Double-Acting (2) | • | • | • | • | • |
| Transmission, Automatic - Power Shift - (4F / 3R Speed) | • | • | • | • | • |
| Transmission, Automatic - Power Shift - (5F / 3R Speed) | ■ | ■ | ■ | ■ | ■ |
| Torque Converter | • | • | • | • | • |
| Torque Converter, Lock-Up Clutch | ■ | ■ | ■ | ■ | ■ |
| Differential, Front - Limited Slip | • | • | • | • | — |
| Differential, Front - Hydraulic Locking | ■ | ■ | ■ | ■ | • |
| Differential, Rear - Limited Slip | • | • | • | • | • |
| Hydraulic Power Steering | • | • | • | • | • |
| Outboard Planetary Axles | • | • | • | • | • |
| Fixed Front Axle | • | • | • | • | • |
| Oscillating Rear Axle | • | • | • | • | • |
| Axle Oil Cooler | ■ | ■ | ■ | ■ | ■ |
| Parking Brake, Spring-Applied Hydraulic-Release | • | • | • | • | • |
| Sealed, Self-Adjusting Brakes | • | • | • | • | • |
| Tires, 23.5R25 Radial | • | • | — | — | — |
| Tires, 23.5R25 Bias | ■ | ■ | — | — | — |
| Tires, 26.5R25 Radial | — | — | • | • | — |
| Tires, 26.5R25 Bias | — | — | ■ | ■ | — |
| Tires, 29.5R25 Radial | — | — | — | — | • |
| Tires, 29.5R25 Bias | — | — | — | — | ■ |

| | DL300-5K | DL350-5K | DL420-5 | DL450-5 | DL550-5 |
|--|----------|----------|---------|---------|---------|
| DISPLAY MONITOR & WARNINGS | | | | | |
| Buzzer - Engine Oil Pressure - Coolant Temperature - Transmission Overheat | • | • | • | • | • |
| Gauges - Fuel Level - DEF Level - Engine Coolant Temperature - Transmission Oil Temperature - Engine RPM - Speedometer - Transmission Gear Indicator - Battery Voltage - ECO - Digital Clock - Trip Meter - Hour Meter - Total Operation Time - Fuel Consumption | • | • | • | • | • |
| Warning & Indicator Lights - Seat Belt - Error Code - SCR Warning - Check Engine - Engine Oil Pressure - Engine Pre-Heat Engaged - Radiator Coolant Level & Temperature - Air Filter - Fuel Level - DEF Level - Water in Fuel - Battery Charge - Lights (High, Main, Work, Beacon) - Direction Signal - Emergency Steering - Hydraulic Oil Temperature - Hydraulic Charge Pressure Warning - Hydraulic Pilot Filter - Hydraulic Return Filter - Transmission Mode - Transmission Warning - Transmission Lock-Up - Transmission Oil Temp - Transmission Gear Indicator - Brake Fluid Pressure Warning - Reverse Fan Indicator - Mirror Heat Indicator - Parking Brake Indicator | • | • | • | • | • |
| Back-Up Alarm | • | • | • | • | • |
| OTHER | | | | | |
| Centralized Lubrication | • | • | • | • | • |
| Automatic Lubrication System | ■ | ■ | ■ | ■ | ■ |
| Handrails & Service Platforms | • | • | • | • | • |
| Skid-Resistant Steps & Service Platforms | • | • | • | • | • |
| Drawbar and Pin | • | • | • | • | • |
| Wheel Chocks | • | • | • | • | • |
| Rear Fender, Full | ■ | ■ | ■ | ■ | ■ |
| Additional Counterweight <i>* Additional counterweight is standard on all High Lift machines.</i> | ■ | ■ | ■ | ■ | ■ |
| Manuals - Operation & Maintenance - Parts - AEM Safety Manual | • | • | • | • | • |
| Telematics, Three-Year Subscription | • | • | • | • | • |
| Vandalism Protection - Lockable Panels - Lockable Fluid Fill Points - Anti-Theft Protection (Password) | • | • | • | • | • |
| Remote Drain Ports (Engine & Hydraulic Oil) | • | • | • | • | • |

- Standard Equipment
- Optional Equipment
- N/A

1.877.745.7814

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