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	3/10/16	**Page**	1 of 4
Solicitation Number	5228 OF		
Opening Date and Time	04/07/16	2:00 pm	
Buyer	DIANNA GILLILAND (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.

_____NEBRASKA CONTRACTOR AFFADAVIT: 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 TANDEM AXLE CHASSIS, MINIMUM 60,000 GVWR WITH 14 FOOT RADIUS DUMP AND SPREADER BODY, HYDRAULICS AND PLOW HITCH 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. The State reserves the right to extend the period of this contract beyond the termination date when mutually agreeable to the vendor and the State of Nebraska.

(03/10/16 djo)
A response to this Solicitation is subject to, but not limited to, the included Standard Conditions and Terms. PLEASE READ CAREFULLY!

IT IS THE RESPONSIBILITY OF THE BIDDER TO REFER TO STATE PURCHASING BUREAU'S WEB SITE FOR ALL INFORMATION RELEVANT TO THIS SOLICITATION TO INCLUDE ADDENDA AND/OR AMENDMENTS THAT MAY BE ISSUED PRIOR TO THE OPENING DATE.
http://www.das.state.ne.us/materiel/purchasing/purchasing.html

Bid Tabulations are available on the internet at http://www.das.state.ne.us/materiel/purchasing/bidtabs.htm

This form is part of the specification package and must be signed and returned, along with all documents, by the opening date and time specified.

Any questions regarding this solicitation must be directed to State Purchasing Bureau, to the attention of the buyer. It is preferred that questions be sent via e-mail to as.materielpurchasing@nebraska.gov. Questions may also be sent by facsimile to 402-471-2089. Refer to specification for additional information.

No Bid Respond: ( ) Remove From Class-Item OR ( ) Keep Active For Class-Item

BIDDER MUST COMPLETE THE FOLLOWING

DISCOUNT PAYMENT TERMS:_____% _____ DAYS

By signing this Invitation to Bid, the bidder agrees to the "Standard Conditions and Terms of Bid Solicitation and Offer" and is committed to provide a drug free work place environment. Vendor will furnish the items requested within_____ days after receipt of order. Failure to enter Delivery Date may cause quotation to be REJECTED.

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

Enter Contact Information Below

VENDOR# _____ **Contact** _____
VENDOR: _____ **Telephone** _____
Address: _____ **Facsimile** _____
_____ **Email** _____
_____ _____

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No facsimile or email solicitation responses will be accepted.

INVITATION

Line	Description	Quantity	Unit of Measure	Unit Price	Extended Price
1	**TANDEM AXLE CHASSIS, MINIMUM** 60,000 GVWR WITH 14' RADIUS DUMP AND SPREADER BODY, HYDRAULICS AND PLOW HITCH	**10.0000**	**EA**	_____	_____
	MAKE AND MODEL: _____				
	ENGINE AND HORSEPOWER: _____				
	GVWR: _____				
	OPTIONS:				
	The options shall meet or exceed the following requirements, which are exceptions to specifications, and must be FACTORY INSTALLED. Bids must be furnished if available for below list and not included as standard equipment or required in main part of this specification.				
2	**DEDUCT FULLER 13 SPEED MODEL** RTLO-12913A OR RTLO 14913A In lieu of Allison automatic	**5.0000**	**EA**	_____	_____
3	**DEDUCT FULLER 10 SPEED, MODEL** RTO 14908LL In lieu of Allison automatic	**5.0000**	**EA**	_____	_____
4	**DEDUCT EATON FULLER ULTRASHIFT** TRANSMISSION OR EQUIVALENT OEM automated manual transmission to be most compatible with engine horsepower and RPM in lieu of Allison automatic	**5.0000**	**EA**	_____	_____
	Indicate: _____				
5	**CHASSIS TECHNICAL REPAIR** MANUAL (price for paper manual if not available on line)	**10.0000**	**EA**	_____	_____
6	**ENGINE SHOP REPAIR MANUAL** (price for paper manual if not available on line)	**10.0000**	**EA**	_____	_____
7	**CHASSIS PARTS MANUAL**	**10.0000**	**EA**	_____	_____

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Line	Description	Quantity	Unit of Measure	Unit Price	Extended Price
	(price for paper manual if not available on line)				
8	**ENGINE PARTS MANUAL** (price for paper manual if not available on line)	10.0000	EA	_____	_____
9	**PARTS CD-ROM FOR CHASSIS AND** ENGINE	10.0000	EA	_____	_____
10	**MANUAL TRANSMISSION** TECHNICAL REPAIR MANUAL	10.0000	EA	_____	_____
11	**AUTOMATIC TRANSMISSION** TECHNICAL REPAIR MANUAL	10.0000	EA	_____	_____
12	**MANUAL TRANSMISSION** PARTS MANUAL	10.0000	EA	_____	_____
13	**AUTOMATIC TRANSMISSION** PARTS MANUAL	10.0000	EA	_____	_____
14	**ELECTRICAL WIRING DIAGRAM** MANUAL (price for paper manual if not available on line)	10.0000	EA	_____	_____
15	**P.C. DIAGNOSTIC COMPATIBLE** SOFTWARE WITH DATA LINK CONNECTION	10.0000	EA	_____	_____
16	**V-PLOW WITH V-PLOW QUICK** ATTACH HITCH PER ATTACHMENT PAGE	5.0000	EA	_____	_____
17	**V-PLOW QUICK ATTACH HITCH** WITHOUT V-PLOW PER ATTACHMENT PAGE	5.0000	EA	_____	_____
18	**PRE-WET SYSTEM** PER ATTACHMENT PAGE	5.0000	EA	_____	_____
19	**FRONT MOUNT PATROL WING** PER ATTACHMENT PAGE	10.0000	EA	_____	_____
20	**RIGHT HAND MID-MOUNT WING** PER ATTACHMENT PAGE	5.0000	EA	_____	_____
21	**LEFT HAND MID-MOUNT WING**	5.0000	EA	_____	_____

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Line	Description	Quantity	Unit of Measure	Unit Price	Extended Price
	PER ATTACHMENT PAGE				
22	**HIGH BENCHING WING** PER ATTACHMENT PAGE	**5.0000**	**EA**	_____	_____
23	**3 JOYSTICK CONTROL IN LIEU OF** SINGLE JOYSTICK TO CONTROL Hoist, plow and wing functions To be fully proportional and meet all other specifications if available	**10.0000**	**EA**	_____	_____
24	**DEDUCT FOR NO SPARE WHEEL AND** TIRE	**10.0000**	**EA**	_____	_____
25	**PLOW BALANCE/COUNTER BALANCE** VALVE To include all required electrical connections, switches and solenoids (to reduce weight on plow blade during plowing operations)	**10.0000**	**EA**	_____	_____
26	**DEDUCT FOR MINIMUM GRADE 65** STEEL BODY Meeting all other specifications.	**5.0000**	**EA**	_____	_____
27	**DEDUCT FOR STEEL STATIONARY** CAB SHIELD IN LIEU OF Stainless steel cab shield	**5.0000**	**EA**	_____	_____
28	**ADDITIONAL CHARGES FOR** DELIVERY OUTSIDE THE LINCOLN AREA	**1.0000**	**EA**	_____	_____

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GLOSSARY OF TERMS

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

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

After Receipt of Order (ARO): After Receipt of Order.

Agency: Any state agency, board, or commission other than the University of Nebraska, the Nebraska State colleges, the courts, the Legislature, or any other office or agency established by the Constitution of Nebraska.

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.

Award: All purchases, leases, or contracts which are based on competitive bids will be awarded according to the provisions in the Invitation to Bid. The State reserves the right to reject any or all bids, wholly or in part, or to award to multiple bidders in whole or in part. The State reserves the right to waive any deviations or errors that are not material, do not invalidate the legitimacy of the bid, and do not improve the bidder's competitive position. All awards will be made in a manner deemed in the best interest of the State.

Bid/Proposal: The offer submitted by a vendor in a response to written solicitation.

Bid Bond: An insurance agreement, accompanied by a monetary commitment, by which a third party (the surety) accepts liability and guarantees that the vendor will not withdraw the bid.

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

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 purchase order without expectation of conducting or performing it at a later time.

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

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: Any individual or entity having a contract or awarded purchase order to furnish commodities or services.

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 services 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 vendor'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 bids/proposals (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 vendor. Vendor 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 RFP, ITB (written solicitation) or contract are completed.

Late Bid/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/Must: Required, compulsory, or obligatory.

May: Discretionary, permitted; used to express possibility.

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

Must: See Shall/Will/Must.

National Institute for Governmental Purchasing (NIGP): National Institute of Governmental Purchasing – Source used for assignment of universal commodity codes to goods and services.

NDOR: Nebraska Department of Roads.

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

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

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

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

Payroll & Financial Center (PFC): Electronic procurement system of record.

Performance Bond: An insurance agreement, accompanied by a monetary commitment, by which a third party (the surety) accepts liability and guarantees that the Contractor fulfills any and all obligations under the contract.

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.

Pre-Bid/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 RFP, 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 services to be provided under the contract.

Proposal: See Bid/Proposal.

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 serve 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) who would be advantaged by release of the information and the specific advantage the competitor(s) would receive.

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

Public Proposal/Bid 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.

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 vendors requesting information for a potential future solicitation. The RFI is typically used as a research and information gathering tool for preparation of a solicitation.

Request for Proposal (RFP): A written solicitation utilized for obtaining competitive offers.

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

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

Shall/Will/Must: An order/command; 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.

Sole Source – Commodity: When an item is available from only one source due to the unique nature of the requirement, its supplier, or market conditions.

Sole Source – Services: A service of such a unique nature that the vendor selected is clearly and justifiably the only practical source to provide the service. Determination that the vendor selected us justifiably the sole source is based on either the uniqueness of the service or sole availability at the location required.

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

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 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.

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 vendor 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: An individual or entity lawfully conducting business in the State of Nebraska, or licensed to do so, who seeks to provide goods or services under the terms of a written solicitation.

Vendor Performance Report: A report issued to the Contractor by State Purchasing Bureau when products or services delivered or performed fail to meet the terms of the purchase order, contract, and/or specifications, as reported to State Purchasing Bureau by the agency. The State Purchasing Bureau shall contact the Contractor regarding any such report. The vendor performance report will become a part of the permanent record for the Contractor. The State may require vendor to cure. Two such reports may be cause for immediate termination.

Will: See Shall/Will/Must

Work Day: See Business Day.

I. SCOPE OF THE INVITATION TO BID (ITB)

The State of Nebraska, Administrative Services (AS), Materiel Division, State Purchasing Bureau (hereafter known as State Purchasing Bureau or SPB), is issuing this Invitation To Bid, Number 5228 OF for the purpose of selecting a qualified Contractor to provide **TANDEM AXLE CHASSIS, MINIMUM 60,000 GVWR WITH 14 FOOT RADIUS DUMP AND SPREADER BODY, HYDRAULICS AND PLOW HITCH**.

A contract resulting from this Invitation To Bid will be issued approximately for a period of one (1) year effective the date of award. The contract has the option to be renewed for four (4), additional one (1) year periods as mutually agreed upon by all parties.

ALL INFORMATION PERTINENT TO THIS INVITATION TO BID CAN BE FOUND ON THE INTERNET AT: http://das.nebraska.gov/materiel/purchasing.html

A. SCHEDULE OF EVENTS

The State expects to adhere to the tentative procurement schedule shown below. It should be noted, however, that some dates are approximate and subject to change.

	ACTIVITY	DATE/TIME
1.	Release Invitation To Bid	March 10, 2016
2.	Last day to submit "Notification of Intent to Attend Pre-Bid Conference"	March 22, 2016
3.	Last day to submit written questions	March 22, 2016
4.	Mandatory Pre-Bid Conference Location: State Purchasing Bureau 1526 K Street, Suite 130 Lincoln, NE 68508 * Registration Advisement: Bids will only be accepted from those Companies/Firms which properly register their attendance at this meeting by completing all of the required information on the State Registration Sheet.	March 24, 2016
5.	Last day to submit written questions after Pre-Bid Conference	March 25, 2016
6.	State responds to written questions through Invitation To Bid "Addendum" and/or "Amendment" to be posted to the Internet at: http://das.nebraska.gov/materiel/purchasing.html	March 31, 2016
7.	Bid opening Location: State Purchasing Bureau 1526 K Street, Suite 130 Lincoln, NE 68508	April 7, 2016 2:00 PM Central Time
8.	Review for conformance of mandatory requirements	To Be Determined
9.	Review period	To Be Determined
10.	Post "Letter of Intent to Award" to Internet at: http://das.nebraska.gov/materiel/purchasing.html	To Be Determined
11.	Contract finalization period	To Be Determined
12.	Contract award	To Be Determined
13.	Contract start date	To Be Determined

II. PROCUREMENT PROCEDURES

A. PROCURING OFFICE AND CONTACT PERSON

Procurement responsibilities related to this Invitation To Bid reside with the State Purchasing Bureau. The point of contact for the procurement is as follows:

Name: Dianna Gilliland
Agency: State Purchasing Bureau
Address: 1526 K Street, Suite 130
Lincoln, NE 68508

B. GENERAL INFORMATION

The Invitation To Bid (ITB) is designed to solicit bids from qualified vendors who will be responsible for providing Tandem axle chassis, Minimum 60,000 GVWR with 14 foot radius dump and spreader body, hydraulics and plow hitch" at a competitive and reasonable cost. Bids that do not conform to the mandatory items as indicated in the Invitation To Bid will not be considered.

Bids shall conform to all instructions, conditions, and requirements included in the Invitation To Bid. Prospective Bidders are expected to carefully examine all documentation, schedules, and requirements stipulated in this Invitation To Bid, and respond to each requirement in the format prescribed.

In addition to the provisions of this Invitation To Bid and the awarded bid, which shall be incorporated by reference in the contract, any additional clauses or provisions required by the terms and conditions will be included as an amendment to the contract.

A fixed-price contract will be awarded as a result of this Invitation to Bid.

C. COMMUNICATION WITH STATE STAFF AND EVALUATORS

From the date the Invitation To Bid is issued until a determination is announced regarding the contract award, contact regarding this project between potential Contractors and individuals employed by the State is restricted to only written communication with the staff designated above as the point of contact for this Invitation To Bid. Bidders shall not have any communication with, or attempt to communicate with or influence in any way, any evaluator involved in this ITB.

Once a Contractor is preliminarily selected, as documented in the intent to award, that Contractor is restricted from communicating with State staff until a contract is signed. The following exceptions to these restrictions are permitted:

1. Written communication with the person(s) designated as the point(s) of contact for this Invitation To Bid or procurement;
2. Contacts made pursuant to any pre-existing contracts or obligations;
3. State staff and/or Contractor staff present at the Pre-Bid Conference when recognized by the State Purchasing Bureau staff facilitating the meeting for the purpose of addressing questions; and
4. State-requested presentations, key personnel interviews, clarification sessions or discussions to finalize a contract.

Violations of these conditions may be considered sufficient cause to reject a Bidder's bid and/or selection irrespective of any other condition. No individual member of the State or employee of the State is empowered to make binding statements regarding this Invitation To Bid. The Buyer will issue any clarifications or opinions regarding this Invitation To Bid in writing.

D. WRITTEN QUESTIONS AND ANSWERS

Any explanation desired by a Bidder regarding the meaning or interpretation of any Invitation To Bid provision must be submitted in writing to the State Purchasing Bureau and clearly marked "ITB Number 5228 OF; TANDEM AXLE CHASSIS, MINIMUM 60,000 GVWR WITH 14 FOOT RADIUS DUMP AND SPREADER BODY, HYDRAULICS AND PLOW HITCH" Questions". It is preferred that questions be sent via e-mail to as.materielpurchasing@nebraska.gov Questions may also be sent by facsimile to 402-471-2089, and must include a cover sheet clearly indicating that the transmission is to the attention of Dianna Gilliland showing the total number of pages transmitted, and clearly marked "ITB Number 5228 OF TANDEM AXLE CHASSIS, MINIMUM 60,000 GVWR WITH 14 FOOT RADIUS DUMP AND SPREADER BODY, HYDRAULICS AND PLOW HITCH" Questions".

It is recommended that Bidders submit questions sequentially numbered and include the Invitation To Bid reference and page number.

Written answers will be provided through an addendum to be posted on the Internet at http://das.nebraska.gov/materiel/purchasing.html on or before the date shown in the Schedule of Events.

Question Number	ITB Section References	ITB Page Number	Question

E. PRE-BID CONFERENCE

A pre-bid conference will be held on the date, time, and location shown in the Schedule of Events. Attendance at the pre-bid conference is mandatory in order to submit a bid. Bidders will have an opportunity to ask questions at the conference to assist in the clarification and understanding of the Invitation To Bid requirements. The State will make every reasonable attempt to answer those questions before the end of the conference. Bidders attending the pre-bid meeting may submit further questions in writing for questions which the Bidder requires an official written response as shown in the Schedule of Events.

Written answers to written questions along with a list of conference attendees will be provided through an addendum to be posted on the Internet at http://das.nebraska.gov/materiel/purchasing.html on or before the date shown in the Schedule of Events. Verbal responses provided during the pre-bid meeting shall not be binding on the State of Nebraska.

1. **NOTIFICATION OF INTENT TO ATTEND MANDATORY PRE-BID CONFERENCE**

Notification of attendance should be submitted to the State Purchasing Bureau via e-mail (as.materielpurchasing@nebraska.gov), facsimile (402-471-2089), hand delivery or US mail by the date shown in the Schedule of Events. Potential Bidders should utilize the "Notification of Intent to Attend Pre-Bid Conference" (see Form B) that accompanies this document to the contact person shown on the cover page of the Invitation To Bid Form. This form should be filled out in its entirety and returned no later than the date shown in the Schedule of Events.

F. SUBMISSION OF BIDS

The following describes the requirements related to bid submission, bid handling, and review by the State.

To facilitate the evaluation process, one (1) original of the entire bid should be submitted. Bids must be submitted by the bid due date and time. **A separate sheet must be provided that clearly states which sections, if applicable, have been submitted as proprietary or have copyrighted materials**. All proprietary information the Bidder wishes the State to withhold must be submitted in accordance with the instructions outlined in Section III, Proprietary Information. If a recipient phone number is required for delivery purposes, 402-471-6500 should be used. The Invitation To Bid number must be included in all correspondence.

G. IMPORTANT NOTICE LANGUAGE

Bid responses should include the completed Form A and Bidder Contact Sheet. Bids must reference the Invitation To Bid number and be sent to the specified address. Please note that the address label should appear as specified in Section II part A on the page of the calendar or bidder's bid response packet. Rejected late bids will return to the bidder unopened.

IMPORTANT NOTICE: Pursuant to Neb. Rev. Stat. § 84-602.02, all State contracts in effect as of January 1, 2014 will be posted to a public website beginning July 1, 2014. All non-proprietary or confidential information as defined by State Law **WILL BE POSTED FOR PUBLIC VIEWING**.

H. DISCOUNTS

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

I. PRICE ADJUSTMENTS DURING CONTRACT TERM

Any request for a price adjustment must be submitted in writing to the State Purchasing Bureau, a minimum of thirty (30) days prior to proposed effective date of increase, and must show cause with supporting documentation (such as notification letter from manufacturer). Further documentation may be required by the State, to authenticate the increase (such as manufacturer invoices). Failure to supply any requested supporting documentation may be grounds to cancel the contract. The State further reserves the right to reject any proposed price increase(s), cancel the contract and re-bid if determined to be in the best interest of the State. The State will be given full proportionate benefit of any decrease for the term of the contract. No price increases are to be billed to any State Agencies

without prior written approval by the State Purchasing Bureau. Contract supplier or suppliers may honor pricing and extend the contract to political sub-divisions, cities, and counties. Terms and conditions of the contract must be met by political sub-divisions, cities, and counties.

J. PAYMENT

Payment will be made by the responsible agency in accordance with the State of Nebraska Prompt Payment Act, Neb. Rev. Stat. §§ 81-2401 through 81-2408. The State may request that payment be made electronically instead of by state warrant.

K. BID EXECUTION

Bids must be signed in ink by the Bidder on the State of Nebraska's Invitation To Bid form. All bids must typewritten or in ink on the State of Nebraska's Invitation To Bid form. Erasures and alternations must be initialed by the Bidder in ink. No telephone or voice bids will be accepted. Failure to comply with these provisions may result in the rejection of the bid.

L. BID OPENING

The sealed bids will be publicly opened and the bidding entities announced on the date, time, and location shown in the Schedule of Events. Bids will be available for viewing by those present at the bid opening. Vendors may also contact the State to schedule an appointment for viewing bids after the Intent to Award has been posted to the website.

M. ELECTRONIC DOCUMENTS/FACSMILIE SUBMISSIONS

The State Purchasing Bureau will not accept electronic responses to an Invitation To Bid for a commodity contract at any dollar amount. However, an exception applies to one-time purchase bids under $25,000. These one-time purchase bids may be submitted by electronic means, but cannot exceed ten (10) pages.

Sealed responses to an Invitation To Bid that contain a two party bid, may include electronic pages transmitted between the two parties, but these documents cannot be submitted to the State Purchasing Bureau by electronic means. No direct electronic solicitation responses will be accepted for a commodity contract of any estimated value.

N. VALID BID TIME

Bids shall be firm for a minimum of sixty (60) calendar days after the opening date, unless otherwise stipulated by either party in the Invitation To Bid.

O. ALTERNATE/EQUIVALENT BIDS

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

P. LATE BIDS

Bids received after the time and date of the bid opening will be considered late bids. Rejected late bids will be returned to the Bidder unopened. The State is not responsible for bids that are late or lost due to mail service inadequacies, traffic, or any other reason(s).

Q. NO BID

If not submitting a bid, respond by returning the Invitation To Bid form explaining the reason in the space provided. NOTE: To qualify as a respondent, Bidder must submit a "NO BID" and it must be received no later than the stated bid opening date and time.

R. LUMP SUM OR ALL OR NONE BIDS

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

S. REJECTION OF BIDS

The State reserves the right to reject any or all bids, wholly or in part, or to award to multiple Bidders in whole or in part. The State reserves the right to waive any deviations or errors that are not material, do not invalidate the legitimacy of the bid and do not improve the Bidder's competitive position. All awards will be made in a manner deemed in the best interest of the State. The State reserves the right to reject any or all bids and re-advertise for bids; and further reserves the right to waive any informality or irregularity.

T. EVALUATION OF BIDS

All responses to this Invitation To Bid which fulfill all mandatory requirements will be evaluated for conformance to requested specifications. Elements that may also be considered include but are not limited to:

1. The ability, capacity, and skill of the Bidder to deliver and implement the system or project, or provide the requested goods, that meet the requirements of the Invitation to Bid;
2. The character, integrity, reputation, judgment, experience, and efficiency of the Bidder;
3. Whether the Bidder can perform the contract within the specified time frame;
4. The quality of Bidder performance on prior contracts; and
5. Such other information that may be secured and that has a bearing on the decision to award the contract.

U. BID TABULATIONS

Bid tabulations are available on the website at: http://www.das.state.ne.us/materiel/purchasing/bidtabs.htm.
Bid tabulations will not be provided by telephone or facsimile. Bid files may be examined, after the evaluation period is over, during normal business hours by appointment.

V. MANDATORY REQUIREMENTS

The bids will first be examined to determine if all mandatory requirements listed below have been addressed to warrant further evaluation. Bids not meeting mandatory requirements will be excluded from further evaluation. The mandatory requirement items are as follows:

1. Invitation To Bid for Commodity Contract form, signed in ink; and
2. The completed Invitation To Bid document.

W. REFERENCE CHECKS

The State reserves the right to check any reference(s), regardless of the source of the reference information, including but not limited to, those that may be identified by the company in the bid, those indicated through the explicitly specified contacts, those that are identified during the review of the bid, or those that result from communication with other entities involved with similar projects. The State may use a third party to conduct reference checks.

X. RECYCLING

As outlined in Neb. Rev. Stat. § 81-15,159, a preference shall be given to those Bidders that provide products, materials, or supplies which are manufactured or produced from recycled material or that can be readily reused or recycled after its normal use. Preference will also be given to purchases of corn-based biodegradable plastics and road deicers. No preference shall be given if such preference would result in the purchase of products, materials, or supplies that are of inadequate quality or of substantially higher cost.

Y. SECRETARY OF STATE/TAX COMMISSIONER REGISTRATION REQUIREMENTS

All Bidders should be authorized to transact business in the State of Nebraska. All Bidders are expected to comply with all Nebraska Secretary of State Registration requirements. It is the responsibility of the Bidder to comply with any registration requirements pertaining to types of business entities (e.g. person, partnership, foreign or domestic limited liability company, association, or foreign or domestic corporation or other type of business entity). The Bidder who is the recipient of an Intent to Award will be required to certify that it has complied and produce a true and exact copy of its current (within ninety (90) calendar days), valid Certificate of Good Standing or Letter of Good Standing; or in the case of a sole proprietorship, provide written documentation of sole proprietorship. This must be accomplished prior to the award of the contract. Construction Contractors are expected to meet all applicable requirements of the Nebraska Contractor Registration Act and provide a current, valid certification of registration. Further, all Bidders shall comply with any and all other applicable Nebraska statutes regarding transacting business in the State of Nebraska. Bidders should submit the above certification(s) with their bid.

Z. RESIDENT BIDDER

Pursuant to Neb. Rev. Stat. §§ 73-101.01-73-101.02, a Resident Bidder shall be allowed a preference against a Nonresident 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.

AA. AWARD

All purchases, leases, or contracts which are based on competitive bids will be awarded according to the provisions in the Invitation To Bid. The State reserves the right to reject any or all bids, in whole or in part, or to award to multiple Bidders, in whole or in part, and at its discretion, may withdraw or amend the Invitation To Bid at any time. The State reserves the right to waive any deviations or errors that are not material, do not invalidate the legitimacy of the bid, and do not improve the Bidder's competitive position. All awards will be made in a manner deemed in the best interest of the State. The Invitation To Bid does not commit the State to award a contract. If, in the opinion of the State, revisions or amendments will require substantive changes in bids, the due date may be extended.

By submitting a bid in response to this Invitation To Bid, the Bidder grants to the State the right to contact or arrange a visit in person with any or all of the Bidder's clients.

Once an Intent To Award decision has been determined, it will be posted to the Internet at:
http://das.nebraska.gov/materiel/purchasing.html

BB. POLITICAL SUB-DIVISIONS

The Contractor may extend the contract to political sub-divisions conditioned upon the honoring of the prices charged to the State. Terms and conditions of the Contract must be met by political sub-divisions. Under no circumstances shall the State be contractually obligated or liable for any purchases by political sub-divisions or other public entities not authorized by Neb. Rev. Stat. § 81-145, listed as "all officers of the state, departments, bureaus, boards, commissions, councils, and institutions receiving legislative appropriations." A listing of Nebraska political subdivisions may be found at the website of the Nebraska Auditor of Public Accounts.

CC. VIOLATION OF TERMS AND CONDITIONS

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

1. Rejection of a Bidder's bid; and
2. Suspension of the Bidder from further bidding with the State for the period of time relative to the seriousness of the violation, such period to be within the sole discretion of the State, and
3. Legal Action

III. INVITATION TO BID - TERMS AND CONDITIONS

By signing the "Invitation To Bid" form, the Bidder guarantees compliance with the provisions stated in this Invitation To Bid, agrees to the Terms and Conditions unless otherwise agreed to, and certifies Bidder maintains a drug free work place environment.

Bidders are expected to closely read the Terms and Conditions and provide a binding signature of intent to comply with the Terms and Conditions; provided, however, a Bidder may indicate any exceptions to the Terms and Conditions by (1) clearly identifying the term or condition by subsection, and (2) including an explanation for the Bidder's inability to comply with such term or condition which includes a statement recommending terms and conditions the Bidder would find acceptable. Rejection in whole or in part of the Terms and Conditions may be cause for rejection of a Bidder's bid. **Bidders must include completed Section III with their ITB response.**

A. GENERAL

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

The contract resulting from this Invitation To Bid shall incorporate the following documents:

1. Amendment to Contract Award with the most recent dated amendment having the highest priority;
2. Contract Award and any attached Addenda;
3. The Invitation To Bid form and the Contractor's Bid Response signed in ink
4. Amendments to ITB and any Questions and Answers; and
5. The original ITB document and any Addenda.

These documents constitute the entirety of the contract.

Unless otherwise specifically stated in a 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 Contract Award with the most recent dated amendment having the highest priority, 2) Contract Award and any attached Addenda, 3) the signed Invitation To Bid form and the Contractor's Bid Response 4) Amendments to ITB and any Questions and Answers, 5) the original ITB document and any Addenda.

Any ambiguity in any provision of this contract which shall be discovered after its execution shall be resolved in accordance with the rules of contract interpretation as established in the State of Nebraska.

Once bids are opened they become the property of the State of Nebraska and will not be returned.

B. DEBARMENT

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

The contractor, by signature to the Invitation To Bid, certifies that the contractor is not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded by any federal department or agency from participating in transactions (debarred). The contractor also agrees to include the above requirements in any and all subcontracts into which it enters. The contractor also agrees to include the above requirements in any and all subcontracts into which it enters. The contractor shall immediately notify the Department if, during the term of this contract, contractor becomes debarred. The Department may immediately terminate this contract by providing contractor written notices if contractor becomes debarred during the term of this contract.

C. SPECIFICATIONS

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

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 State Procurement Manger will be the sole judge of equivalency. The Bidder may offer any brands which meets or exceeds the specification. When a specific product is required, the Invitation to Bid will so state. Any item bid is to be the latest current model under standard production at the time of order. No used or refurbished equipment will be accepted, unless otherwise stated.

D. PERFORMANCE AND DEFAULT

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

The State reserves the right to require a performance bond from the successful Bidder, as provided by law, without expense to the State. Otherwise, in case of default of the Contractor, the State may procure the articles from other sources and hold the Contractor responsible for any excess cost occasioned thereby.

E. DRUG POLICY

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

Bidder certifies that it maintains a drug free workplace 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.

F. NE ACCESS TECHNOLOGY STANDARDS

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

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

G. COMPLIANCE WITH CIVIL RIGHTS LAWS AND EQUAL OPPORTUNITY EMPLOYMENT / NONDISCRIMINATION

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

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 of Nebraska, 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 to 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 services to be covered by any contract resulting from this Invitation To Bid.

H. PERMITS, REGULATIONS, LAWS

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

The Contractor shall procure and pay for all permits, licenses, and approvals necessary for the execution of the contract. The Contractor shall comply with all applicable local, state, and federal laws, ordinances, rules, orders, and regulations.

I. COOPERATION WITH OTHER CONTRACTORS

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

The State may already have in place or choose to award supplemental contracts related to this Invitation To Bid or any portion thereof.

1. The State reserves the right to award the contract jointly between two or more potential Contractors, if such an arrangement is in the best interest of the State.
2. The Contractor shall agree to cooperate with such other Contractors, and shall not commit or permit any act which may interfere with the performance of work by any other Contractor.
3. The State reserves the right to award multiple contracts or to award line by line contract.

J. CONTRACTOR RESPONSIBILITY

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

The Contractor is solely responsible for fulfilling the contract, with responsibility for all services offered and products to be delivered as stated in the Invitation To Bid, the Contractor's bid, and the resulting contract. The Contractor shall be the sole point of contact regarding all contractual matters.

K. FUNDING OUT CLAUSE OR LOSS OF APPROPRIATIONS

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

The State may terminate the contract, in whole or in part, in the event funding is no longer available. The State's obligation to pay amounts due for fiscal years following the current fiscal year is contingent upon legislative appropriation of funds for the contract. Should said funds not be appropriated, the State may terminate the contract with respect to those payments for the fiscal years 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 any termination, and advise the Contractor of the location (address and room number) of any related equipment. All obligations of the State to make payments after the termination date will cease and all interest of the State in any related equipment will terminate. In no event shall the Contractor be paid for a loss of anticipated profit.

L. RIGHT TO AUDIT

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

Contractor shall establish and maintain a reasonable accounting system that enables the State to readily audit contract. The State and its authorized representatives shall have the right to audit, to examine, and to make copies of or extracts from all financial and related records (in whatever form they may be kept, whether written, electronic, or other) relating to or pertaining to this contract kept by or under the control of the Contractor, including, but not limited to those kept by the Contractor, its employees, agents, assigns, successors, and Subcontractors. Such records shall include, but not be limited to, accounting records, written policies and procedures; all paid vouchers including those for out-of-pocket expenses; other reimbursement supported by invoices; ledgers; cancelled checks; deposit slips; bank statements; journals; original estimates; estimating work sheets; contract amendments and change order files; backcharge logs and supporting documentation; insurance documents; payroll documents; timesheets; memoranda; and correspondence.

Contractor shall, at all times during the term of this contract and for a period of five (5) years after the completion of this contract, maintain such records, together with such supporting or underlying documents and materials. The Contractor shall at any time requested by the State, whether during or after completion of this contract and at Contractor's own expense make such records available for inspection and audit (including copies and extracts of records as required) by the State. Such records shall be made available to the State during normal business hours at the Contractor's office or place of business. In the event that no such location is available, then the financial records, together with the supporting or underlying documents and records, shall be made available for audit at a time and location that is convenient for the State. Contractor shall ensure the State has these rights with Contractor's assigns, successors, and Subcontractors, and the obligations of these rights shall be explicitly included in any subcontracts or agreements formed between the Contractor and any Subcontractors to the extent that those subcontracts or agreements relate to fulfillment of the Contractor's obligations to the State.

Costs of any audits conducted under the authority of this right to audit and not addressed elsewhere will be borne by the State unless certain exemption criteria are met. If the audit identifies overpricing or overcharges (of any nature) by the Contractor to the State in excess of one-half of one percent (.5%) of the total contract billings, the Contractor shall reimburse the State for the total costs of the audit. If the audit discovers substantive findings related to fraud, misrepresentation, or non-performance, the Contractor shall reimburse the State for total costs of audit. Any adjustments and/or payments that must be made as a result of any such audit or inspection of the Contractor's invoices and/or records shall be made within a reasonable amount of time (not to exceed 90 days) from presentation of the State's findings to Contractor.

M. CONFLICT OF INTEREST

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

By submitting a bid, Bidder certifies that there does not now exist any relationship between the Bidder and any person or entity which is or gives the appearance of a conflict of interest related to this Invitation To Bid or project.

The Bidder certifies that it shall not take any action or acquire any interest, either directly or indirectly, which will conflict in any manner or degree with the performance of its services hereunder or which creates an actual or appearance of conflict of interest.

The Bidder certifies that it will not employ any individual known by Bidder to have a conflict of interest.

N. BID PREPARATION COSTS

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

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

O. ERRORS AND OMISSIONS

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

The Bidder shall not take advantage of any errors and/or omissions in this Invitation To Bid or resulting contract. The Bidder must promptly notify the State of any errors and/or omissions that are discovered.

P. ASSIGNMENT BY THE STATE

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

The State shall have the right to assign or transfer the contract or any of its interests herein to any agency, board, commission, or political subdivision of the State of Nebraska. There shall be no charge to the State for any assignment hereunder.

Q. ASSIGNMENT BY THE CONTRACTOR

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

The Contractor may not assign, voluntarily or involuntarily, the contract or any of its rights or obligations hereunder (including without limitation rights and duties of performance) to any third party, without the prior written consent of the State, which will not be unreasonably withheld.

R. GOVERNING LAW

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

The contract shall be governed in all respects by the laws and statutes of the State of Nebraska. Any legal proceedings against the State of Nebraska regarding this Invitation To Bid or any resultant contract shall be brought in the State of Nebraska administrative or judicial forums as defined by State law. The Contractor must be in compliance with all Nebraska statutory and regulatory law.

S. ATTORNEY'S FEES

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

In the event of any litigation, appeal, or other legal action to enforce any provision of the contract, the Contractor agrees to pay all expenses of such action, as permitted by law, including attorney's fees and costs, if the State is the prevailing party.

T. ADVERTISING

Accept (Initial)	Reject (Initial)	Reject & Provide Alternative within ITB Response (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 services are endorsed or preferred by the State. News releases pertaining to the project shall not be issued without prior written approval from the State.

U. NOTIFICATION

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

During the bid process, all communication between the State and a Bidder shall be between the Bidder's representative clearly noted in its bid and the buyer noted in Section II.A., Procuring Office and Contact Person, of this ITB. Bidder is at all times to keep its point of contact updated with the most current information. After the award of the contract, all notices under the contract shall be deemed duly given upon delivery to the staff designated as the point of contact for this ITB, in person, or upon delivery by U.S. Mail, facsimile, or e-mail. Each Bidder should provide in its bid the name, title, and complete address of its designee to receive notices.

1. Except as otherwise expressly specified herein, all notices, requests, or other communications 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 above, 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 three (3) calendar days following deposit in the mail.

2. Whenever the Contractor encounters any difficulty which is delaying or threatens to delay its timely performance under the contract, the Contractor shall immediately give notice thereof in writing to the State reciting all relevant information with respect thereto. Such notice shall not in any way constitute a basis for an extension of the delivery schedule or be construed as a waiver by the State of any of its rights or remedies to which it is entitled by law or equity or pursuant to the provisions of the contract. Failure to give such notice, however, may be grounds for denial of any request for an extension of the delivery schedule because of such delay.

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.

For the duration of the contract, all communication between Contractor and the State regarding the contract shall take place between the Contractor and individuals specified by the State in writing. Communication about the contract between Contractor and individuals not designated as points of contact by the State is strictly forbidden.

V. EARLY TERMINATION

Accept (Initial)	Reject (Initial)	Reject & Provide Alternative within ITB Response (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, in its sole discretion, may terminate the contract for any reason upon thirty (30) calendar days written notice to the Contractor. Such termination shall not relieve the Contractor of warranty or other obligations incurred under the terms of the contract. In the event of cancellation the Contractor shall be entitled to payment, for those products received and accepted by the State.

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 or provision of the deliverable;
i. second or subsequent documented "vendor performance report" form deemed acceptable by the State Purchasing Bureau; or
j. Contractor engaged in collusion or ones' actions which could have provided Contractor an unfair advantage in obtaining this contract.

W. BREACH BY CONTRACTOR

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

The State may terminate the contract, in whole or in part, if the Contractor fails to perform its obligations under the contract in a timely and proper manner. The State may, by providing a written notice of default to the Contractor, allow the Contractor to cure a failure or breach of contract within a period of thirty (30) calendar days (or longer at State's discretion considering the gravity and nature of the default). Said notice shall be delivered by Certified Mail, Return Receipt Requested, or in person with proof of delivery. Allowing the Contractor time to cure a failure or breach of contract does not waive the State's right to immediately terminate the contract for the same or different contract breach which may occur at a different time. In case of default of the Contractor, the State may contract the goods from other sources and hold the Contractor responsible for any excess cost occasioned thereby.

X. ASSURANCES BEFORE BREACH

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

If any document or deliverable required pursuant to the contract does not fulfill the requirements of the Intent To Bid/resulting contract, upon written notice from the State, the Contractor shall deliver assurances in the form of additional Contractor resources at no additional cost to the project in order to complete the deliverable, and to ensure that other project schedules will not be adversely affected.

Y. ACCEPTANCE AND PAYMENT OF GOODS

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

In the event that the Contractor fails to provide the goods requested by the State, the State will not pay for such products until the same has been received and accepted by the State.

Z. FORCE MAJEURE

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

Neither party shall be liable for any costs or damages resulting from its inability to perform any of its obligations under the contract due to a natural disaster, or other similar event outside the control and not the fault of the affected party ("Force Majeure Event"). A Force Majeure Event shall not constitute a breach of the contract. The party so affected shall immediately give notice to the other party of the Force Majeure Event. The State may grant relief from performance of the contract if the Contractor is prevented from performance by a Force Majeure Event. The burden of proof for the need for such relief shall rest upon the Contractor. To obtain release based on a Force Majeure Event, the Contractor shall file a written request for relief with the State Purchasing Bureau. Labor disputes with the impacted party's own employees will not be considered a Force Majeure Event and will not suspend performance requirements under the contract.

AA. PROHIBITION AGAINST ADVANCE PAYMENT

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

Payments shall not be made until contractual deliverable(s) are received and accepted by the State.

BB. PAYMENT

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

State will render payment to Contractor when the terms and conditions of the contract and specifications have been satisfactorily completed on the part of the Contractor as solely determined by the State. Payment will be made by the responsible agency in compliance with the State of Nebraska Prompt Payment Act (See Neb. Rev. Stat. §§ 81-2401 through 81-2408). 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 provided by the Contractor prior to the Effective Date, and the Contractor hereby waives any claim or cause of action for any such claims.

CC. INVOICES

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

Invoices for payments must be submitted by the Contractor to the agency requesting the goods 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.

DD. TAXES

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

The State is not required to pay taxes of any kind and assumes no such liability as a result of this solicitation. Any property tax payable on the Contractor's equipment which may be installed in a state-owned facility is the responsibility of the Contractor.

EE. SEVERABILITY

Accept (Initial)	Reject (Initial)	Reject & Provide Alternative within ITB Response (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 particular provision held to be invalid.

FF. PROPRIETARY INFORMATION

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

Data contained in the bid and all documentation provided therein, become the property of the State of Nebraska and the data becomes public information upon opening the bid. If the Bidder wishes to have any information withheld from the public, such information must fall within the definition of proprietary information contained within Nebraska's public record statutes. **All proprietary information the Bidder wishes the State to withhold must be submitted in a sealed package, which is separate from the remainder of the bid, and provide supporting documents showing why such documents should be marked proprietary.** The separate package must be clearly marked PROPRIETARY on the outside of the package. **Bidders may not mark their entire Invitation To Bid as proprietary.** Pricing submitted in Bidder's ITB may not be marked as proprietary information. Failure of the Bidder to follow the instructions for submitting proprietary and copyrighted information may result in the information being viewed by other Bidders and the public. 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 serve no public purpose (see Neb. Rev. Stat. § 84-712.05(3)). In accordance with Attorney General Opinions 92068 and 97033, Bidders submitting information as proprietary may be required to prove specific, named competitor(s) who would be advantaged by release of the information and the specific advantage the competitor(s) would receive. Although every effort will be made to withhold information that is properly submitted as proprietary and meets the State's definition of proprietary information, the State is under no obligation to maintain the confidentiality of proprietary information and accepts no liability for the release of such information.

GG. CERTIFICATION OF INDEPENDENT PRICE DETERMINATION/COLLUSIVE BIDDING

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

By submission of this bid, the bidder certifies, that it is the party making the foregoing bid and that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and further that the bidder has not, directly or indirectly, submitted the bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

HH. PRICES

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

All prices, costs, and terms and conditions outlined in the bid shall remain fixed and valid commencing on the opening date of the bid until an award is made (and for Bidder receiving award unless otherwise so stated in the contract) or the Invitation To Bid is cancelled.

Prices quoted shall be net, including transportation and delivery charges fully prepaid by the Bidder, F. O. B. Destination named in the Invitation to Bid. 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.

Contractor represents and warrants that all prices, now or subsequently specified, are as low as and no higher than prices which the Contractor has charged or intends to charge customers other than the State for the same or similar products and services of the same or equivalent quantity and quality for delivery or performance during the same periods of time. If, during the term of the contract, the Contractor shall reduce any and/or all prices charged to any customers other than the State for the same or similar products or services specified herein, the Contractor shall make an equal or equivalent reduction in corresponding prices for said specified products or services.

Contractor also represents and warrants that all prices set forth in the contract and all prices in addition, which the Contractor may charge under the terms of the contract, do not and will not violate any existing federal, state, or municipal law or regulations concerning price discrimination and/or price fixing. Contractor agrees to hold the State harmless from any such violation. Prices quoted shall not be subject to increase throughout the contract period unless specifically allowed by these specifications.

II. ETHICS IN PUBLIC CONTRACTING

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

No Bidder shall pay or offer to pay, either directly or indirectly, any fee, commission compensation, gift, gratuity, or anything of value to any State officer, legislator, employee or evaluator based on the understanding that the receiving person's vote, actions, or judgment will be influenced thereby. No Bidder shall give any item of value to any employee of the State Purchasing Bureau or any evaluator.

Bidders shall be prohibited from utilizing the services of lobbyists, attorneys, political activists, or consultants to secure the contract. It is the intent of this provision to assure that the prohibition of state contact during the procurement process is not subverted through the use of lobbyists, attorneys, political activists, or consultants. It is the intent of the State that the process of evaluation of bids and award of the contract be completed without external influence. It is not the intent of this section to prohibit Bidders from seeking professional advice, for example consulting legal counsel, regarding terms and conditions of this Invitation To Bid or the format or content of their bid.

If the Bidder is found to be in non-compliance with this section of the Invitation To Bid, they may forfeit the contract if awarded to them or be disqualified from the selection process.

JJ. INDEMNIFICATION

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

1. **GENERAL**

The Contractor agrees to defend, indemnify, hold, and save 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, 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, except to the extent such Contractor liability is attenuated by any action of the State which directly and proximately contributed to the claims.

2. **INTELLECTUAL PROPERTY**

The Contractor agrees it will, at its sole cost and expense, defend, indemnify, and hold harmless the indemnified parties from and against any and all claims, to the extent such claims arise out of, result from, or are attributable to, the actual or alleged infringement or misappropriation of any patent, copyright, trade secret, trademark, or confidential information of any third party by the Contractor or its employees, Subcontractors, consultants, representatives, and agents; provided, however, the State gives the Contractor prompt notice in writing of the claim. The Contractor may not settle any infringement claim that will affect the State's use of the Licensed Software without the State's prior written consent, which consent may be withheld for any reason.

If a judgment or settlement is obtained or reasonably anticipated against the State's use of any intellectual property for which the Contractor has indemnified the State, the Contractor shall, at the Contractor's sole cost and expense, promptly modify the item or items which were determined to be infringing, acquire a license or licenses on the State's behalf to provide the necessary rights to the State to eliminate the infringement, or provide the State with a non-infringing substitute that provides the State the same functionality. At the State's election, the actual or anticipated judgment may be treated as a breach of warranty by the Contractor, and the State may receive the remedies provided under this ITB.

KK. ANTITRUST

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

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.

LL. EMPLOYEE WORK ELIGIBILITY STATUS

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

The Contractor is required and hereby agrees to use a federal immigration verification system to determine the work eligibility status of employees physically performing services within the State of Nebraska. 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 Department of Administrative Services website at http://das.nebraska.gov/materiel/purchasing.html

   The completed United States Attestation Form should be submitted with the Invitation To Bid response.

2. If the Contractor indicates on such attestation form that he or she is a qualified alien, the Contractor agrees to provide the US 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.

IV. SCOPE OF WORK

The Bidder must provide the following information in response to this Invitation To Bid.

A. SCOPE

It is the intent of this bid invitation to establish a contract to supply TANDEM AXLE CHASSIS, MINIMUM 60,000 GVWR WITH 14 FOOT RADIUS DUMP AND SPREADER BODY, HYDRAULICS AND PLOW HITCH 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 vendor and the State of Nebraska. The State reserves the right to extend the period of this contract beyond the end date when mutually agreeable to the vendor and the State of Nebraska.

All items bid shall be of the latest manufacture in production as of the date of the Invitation To Bid and be of proven performance and under standard design complete as regularly advertised and marketed. All necessary materials for satisfactory performance of the supplies shall be incorporated into the (Insert Commodity Description) whether or not they may be specifically mentioned below.

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

B. AMENDMENT

This Contract may be amended at any time in writing upon the agreement of both parties.

C. REVISIONS

In the event any product is discontinued or replaced with a newer version during the contract period, the State of Nebraska reserves the right to amend this contract to include the new product.

D. RIGHTS

The State reserves the right to waive technicalities; reject any or all bids, wholly or in part; and to waive any deviations or errors that are not material, do not invalidate the legitimacy of the bid, and do not improve the bidder's competitive position. This contract may be awarded item-by-item, group of items, or total, to best serve the interest of the State of Nebraska. The State of Nebraska will be the sole judge of equivalence and any decision will be final. All awards will be made in a manner deemed in the best interest of the State.

V. TECHNICAL SPECIFICATIONS

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

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

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

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

CAB AND CHASSIS

YES	NO	NO & PROVIDE ALTERNATIVE	1. NON-COMPLIANCE STATEMENT
			A. Read these specifications carefully. Any and all exceptions to these specifications must be written on or attached to quotation request. Any noncompliance may void your quotation. Non-compliance to any single specification can void your bid.
			B. It is the responsibility of Bidders to obtain information and clarifications as provided below. The State of Nebraska is not responsible for any erroneous or incomplete understandings or wrongful interpretations of this Invitation to Bid by any Bidder.
			C. No interpretation related to the meaning of bid specifications or other pre-bid documents will be made orally to any Bidder by the State of Nebraska. Any Invitation To bid interpretation must be put in writing and faxed by the Bidder to: the State Purchasing Bureau, Fax (402) 471-2089 or e-mailed to AS Materiel Purchasing as.materielpurchasing@nebraska.gov by the last day to submit written questions that is specified in the Schedule of Events. (Inquiries received after the last day to submit written questions may not be addressed).
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	2. BASIC SPECIFICATIONS
			A. Shall be not less than 60,000 GROSS VEHICLE WEIGHT RATING.
			1. VIN door shall show full GVWR and not reflect calculated bridge capacity rating.
			B. Wheel Base:
			1. Between 206 and 220 inches or as required by body installer to meet requirements to mount dump body, wings or other options.
			2. Cab-to-axle shall be minimum 133 inches of clear, useable space above rails with exception that vertical stack with heat shield may extend up to six inches into CA area as long as:
			a. Stack with shield is near rear corner of cab. Right side preferred.
			b. None of exhaust system in CA area crosses over chassis rails.
			C. Frame resisting bending moment shall equivalent or exceed 2,500,000 inch pounds.

			D. Minimum 18-inch integral front frame extension on truck will be required, front only bumper and fenders to be furnished. Bolt on frame extension is not acceptable.
			E. Hood shall be tilt-forward hood/fenders with:
			1. Service access panels required.
			2. Engine shall be equipped with any OEM available extension tube to allow engine oil and automatic transmission fluid to be conveniently checked and filled at service access panel.
			3. Butterfly type of hood for convenient access to engine is acceptable if tilt-forward hood/fenders with service access panel(s) are not available by manufacturer.
			4. Stationary grill to accommodate Department of Roads' snow plow hitch is required.
			F. All shall be manufacturer's standard or optional equipment.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	3. TRANSMISSION
			A. Allison RDS 4000 series automatic transmission withhold feature in all gears with transmission oil temperature gauge or warning system on or near dash. Transmission to be most compatible with engine horsepower and torque.
			1. Transmission should have Allison Prognostic, load-base shift scheduling and shift energy management features available.
			2. Ground speed signal connecting point shall be provided by chassis OEM regardless of transmission installed. Connecting point to be easily accessible by body/hydraulic system installers.
			3. Synthetic oil to be OEM factory fill for transmission.
			4. Transmission control module to be located inside cab, if mounting location available thru OEM.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	4. SHOCK ABSORBERS
			A. Front shock absorbers required, may be dealer installed if not available from manufacturer; Indicate what is being bid: _____.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	5. AXLES AND SPRINGS
			A. Minimum 20,000 pounds rated capacity axle in front with corresponding multi-leaf springs.

			1. Front axle to be set forward design.
			2. OIL FILLED, FRONT WHEEL HUBS WITH WINDOW REQUIRED.
			B . Rear assembly shall be heavy duty air suspension type with minimum 46,000 pounds rated capacity.
			1. Hendrickson PRIMAAX heavy duty on/off road suspension required; Rear axles, wheels and tires shall provide minimum of 40,000 pounds capacity to meet bid specification for 60,000 GVWR.
			2. Inter-wheel and inter-axle full locking differentials of manufacturer's recommended brand. Switches shall have indicator lights. Indicate brand: _____
			3. Adequate gear ratios must be available to sustain road speed of 75 MPH at governed engine RPM.
			C. Front and rear springs to also meet manufacturer's GVWR requirements.
			D. Manual dump valve for air suspension with indicator light.
			E. Rear axles to have synthetic oil installed.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	6. STEERING
			A, Manufacturer's power steering required.
			1. Dual Power steering gearboxes required.
			2. Tilt steering wheel required.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	7. BRAKES
			A, Service brakes shall be six wheel, full air, with automatic slack adjusters.
			B. Two shoes per wheel, double anchored when brakes are drum type.
			C . Dust shields are required on all axles.
			D. Anti-lock brake system on all wheels required.
			E. A spring loaded parking brake system designed to automatically apply parking brakes to all four rear wheels when pressure in main air reservoir drops below safe pressure with warning signal is required.
			1. Brake chambers shall be forward facing from axles.
			F. The compressor shall be a single or two-stage water-cooled type with a minimum capacity of 15 CFM.
			G. Bendix AD-IP dryer or OEM equivalent required, which may be dealer installed in not available by manufacturer. Spin on filter required. OEM brand air dryer must be approved by Nebraska Department of Roads prior to bid opening. Indicate dryer bidding: _____
			H. Drain valve system for all air tanks must be conveniently operated from

			side of chassis: system may be dealer installed if not available by manufacturer.
			I. Trailer brakes – truck to be equipped with hand air control valve, break away valve and all necessary lines and connections mounted to the rear of truck chassis required for coupling air brakes on a trailer.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	8. ENGINE
			A. Diesel, minimum 370 HP; actual displacement not less than 12 Liter, minimum 1400 LB FOOT torque. Engine shall be certified to meet current EPA Emissions Standards for current model year at time of order. NO OTHER ENGINE WILL BE ACCEPTABLE without written approval by Department of Roads Fleet Management prior to bid opening. Please state what engine is to be provided: _____
			1. Engine stated above in Section 7.A shall be certified compliant to meet EPA Standard and Rules for emissions for the current production model year of chassis being provided under this contract.
			2. Vendor shall provide a copy of the "Certificate of Conformity" letter as sent to OEM from United States Environmental Protection Agency office of Transportation and Air Quality. Certificate of Conformity letter should be provided at time of bid opening. Failure to provide Certificate of Conformity letter shall be cause for bid rejection.
			3. The State of NE will not accept a chassis with any engine that is not compliant or if OEM is pay non-compliance penalties to sell said engine/chassis within State of NE.
			B. Muffler to be horizontal with vertical stack on RH side with 90 degree elbowed exhaust outlet that is ABOVE top of cab shield. Elbowed exhaust outlet must be equivalent material and finished as stack and may be dealer installed. Vertical system heat shield required. Horizontal exhaust is acceptable only if required with body and/or wing mounting. If horizontal is used it must have exhaust suppression to prevent damage to pavement during emission system regeneration.
			C. Temperature controlled fan.
			D. Engine to be equipped with 110 volt AC engine coolant heater; male receptacle with cover for electrical wire for engine heater is to be sturdily mounted.
			E. Cold starting aid-KBI Dieselmatic cartridge type or equivalent; cartridge to be furnished with warm engine cut off, which may be dealer installed unless equipped with glow plugs or pre-heater. State what is being used: _____
			F. Exterior and interior to engine compartment air inlet system for air cleaner. Air cleaner with dual elements if available. Please state what is to be provided._____
			G. Front crankshaft provisions required for PTO.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	9. FILTERS
			A. Oil filter to be full flow, throw-away type.
			B. Dual element air cleaner if available by manufacturer, Donaldson or equivalent. Bidder should state what is bid: _____
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	10. COOLING
			A. Manufacturer's heaviest duty cooling capacity radiator to be compatible with front mounted PTO.
			B. Coolant filter if required by engine manufacturer. If required state make and model. _____
			C. Trucks shall have manufacturer's recommended long life antifreeze protection to no less than 34 degrees below zero Fahrenheit.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	11. FUEL TANK
			A. Fuel tank to be left side mounted and 100 gallon capacity.
			1. Tank extending beyond rear line of cab shall not interfere with wing mount.
			2. Fuel tank to be constructed from Stainless Steel if available from OEM. Please state tank material to be provided._____
			B. Fuel tank shall be regular accessory units AS SHOWN AND LISTED IN TRUCK MANUFACTURER'S DATA BOOKS.
			1. Suction line from tank to pump to be OEM plastic, Stratoflex or equivalent.
			D. Fuel/water separator required. Separator shall have engine coolant heater and 12V preheater. Separator to be compatible with bio diesel blends. Davco 384 preferred. Please state what is to be provided. _____
			D. Minimum fourteen (14) inches ground clearance required under fuel tank and supports.
			E. OEM DEF tank if applicable shall not interfere with mounting of wing frame, cab shield, etc.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	12. WHEELS
			A. Eight on rear of 22.5 by minimum 8.25 inches, ventilated, 10 stud, hub-piloted, steel disc type with 11-1/4 inch diameter bolt circle; identical including color, interchangeable; rear wheels and tires must be spaced to permit use of tire chains.
			B. Front and spare wheels will be 22.5 x 12.25; otherwise meeting specifications.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	13. TIRES
			A. Steel belted radials of tubeless type.
			1. Eight, 11R22.5 “H” load range or equivalent metric size on rear.
			a. Tread design to be Michelin XDN2 or equivalent on other brands. Tread to be design for on/off highway traction.
			b. Fronts and spare shall be 425/65R22.5J of Michelin XYA3 or equivalent tread; indicate: _____.
			B. Tires must be Goodyear, Michelin, Bridgestone, Firestone, Continental or General and shall carry said company name.
			C. Indicate brand bidding: _____.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	14. CAB
			A. Fully enclosed safety type air suspension cab with locks on doors.
			B. National Brand Model 2000 series air seat or OEM equivalent high back seat with air lumbar support on both driver and passenger sides, both with cloth covering and able to adjust forward and backwards on gliders. Please state what seat is to be provided._____
			1. Seats must be able to provide 6.5 inches of travel
			2. Seat mounted arm rests outboard to be furnished on both driver and passenger seats. If outboard arm rest is available by molded arm rest on door of truck that is acceptable.
			C. Power electric windows on both side windows.
			D. Tinted safety glass in cab.
			E. Front windshield shall include heated defroster grids to aid melting of snow and/or ice buildup during winter operations.
			F. Window in bottom, front part of right door if available from manufacturer.
			G. Step or running board on each side of cab.
			H. Interior finish to exclude excessive noise and weather.

			I. Exterior and interior cab grab handles on both sides to facilitate entry into the truck shall be provided.
			J. Minimum 107 inches from grade to top of cab is required.
			K. Cab to have minimum 72 inches of shoulder room per specification sheet.
			L. Cab to have minimum 56 inches floor to headliner height.
			M. If manufacturer does not have an air suspension cab available, then a Cab mate by Link Manufacturing Ltd Or equivalent is acceptable, which may be dealer installed. Indicate type bid: _____.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	15. COLOR
			A. Truck will be highway safety yellow, vendor to provide color chip for approval.
			B. Paint will be base coat/clear coat acrylic, activator-hardened acrylic or polyurethane type.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	16. MIRRORS
			A. Rear vision, rectangular Western Type.
			1. Mirrors to be stainless steel or OEM equivalent heated type with tinted or non-glare glass. Indicate: _____
			B. Size 16 inch by 7 inch or approximately 110 square inches.
			C. Mounted on right and left doors of cab, extendable to maximum legal width.
			D. 8” convex mirror or equivalent size to be mounted below the 16” x 7” mirror on each side. Convex mirror not to overlap main mirror. Convex mirror to be heated type.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	17. LIGHTS
			A. Halogen headlights with high and low beam. Parking, dome, double tail and stop lights, front and rear directional turn signal lights are to be LED if available from OEM. OEM supplied LED headlights would also be acceptable. Please state what will be provided: _____
			B. LED double tail and stop lights. Stop, turn and tail may be deleted if not ordered as cab chassis. S/T/T lights required with dump body.

			C. Wiring harness with connector for auxiliary lighting is required if available from manufacturer. Auxiliary snow plow lighting is required with dump body installation. Circuit to be battery powered if available.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	18. CONTROLS AND INSTRUMENTS
			A. Key locking ignition switch; head, parking and dome light switch; traffic hazard switch; headlight beam control; electronic engine/PTO controls; speedometer
			1. Electronic engine/PTO control will act as engine RPM idle control when truck is stationary and act as “cruise or speed” control when truck is in motion.
			B. Voltmeter, oil pressure gauge; fuel gauge; engine temperature gauge; air pressure gauge.
			C. High beam indicator lights, flashing turn-indicator lights, three sets of keys required per vehicle. Self-canceling turn signal switch on steering column.
			D. Engine hour meter, tachometer and vacuum restriction gauge for air cleaner are required, which shall be dash mounted. If manufacturer does not offer a vacuum restriction gauge on dash then a Filter Minder brand of gauge that is dash mounted is acceptable, which may be dealer installed.
			E. Control for inter-wheel inter-axle locking differentials shall have dash mounted indicator light.
			F. Rear view camera system is required and may be installed by dump body installer. Camera system shall include an minimum 5 inch color monitor and one camera mounted to provide clear view of area behind truck with dump body and spreader installed. Camera will activate when chassis transmission is place in reverse and NDOR would also prefer that operator could activate system for view at any time. Please state what system is to be provided._____
			1. Camera System monitor shall have minimum of 3 camera input to allow additional cameras to be installed by NDOR at later date.
			G. Rear view camera should have minimum 170 degree field of view. Camera with heated lens would also be preferred. Camera to be mounted in the area above pintle plate that will provide view under tailgate spreader when installed.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	19. WINDSHIELD WIPERS
			A. Heaviest duty dual electrical wipers available with intermittent capability.
			B. Dual electric windshield washers.
			1. Washer nozzles to be integrated into wiper arms.

NOTES/COMMENTS:

YES	NO	NO & PROVIDE ALTERNATIVE	20. ELECTRICAL
			A. System to be 12 volt.
			B. Manufacturer's recommended batteries for diesel engine quoted; but minimum of three (3) batteries and 2700 CCA; Indicate: _____.
			C. Alternator shall be a Delco 28 SI or Bosch equivalent with minimum 160 amperes rating.
			D. Positive and negative jump start studs required. Must be easily accessible at side of chassis. Use of frame or frame hardware is not acceptable for negative stud.
			E. Trailer lighting harness and 7 pin ATA plug required at end of frame for trailer hookup.
			F. Chassis shall have easily accessible battery disconnect switch near the battery box or other OEM mounting location that is easily accessible for operators. Please state location of switch._____.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	21. GENERAL
			A. Dual electric horns; two padded sun visors.
			1. Manufacturer's standard air horn(s) shall be provided.
			B. Truck manufacturer's recommended outside air intake heater with defroster to entire windshield, power outlet on dash.
			C. Manufacturer's standard manually controlled air conditioning; seat belts for right and left seats with retractors, lap/shoulder type.
			D. Factory installed AM/FM radio, preferable with antenna mounted on cowling instead of top of cab.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	22. RADIO FREQUENCY SHIELDING – CAUTION!!!
			A. The chassis and/or installed components and equipment shall be compatible with use of Nebraska Department of Roads mobile and/or two-way communication devices. Main communication radio operated in low band range of 47 MHz to 48 MHz, but all frequencies apply including low band, high band, UHF and VHF.

			B. The chassis 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.
			C. NDOR will conduct testing of radio/two-way when installed in chassis. NDOR will notify vendor if normal operational parameter are not met due to degradation of signals caused by electromagnetic emissions from chassis or installed components and equipment. Vendor shall be required to work with NDOR personnel to reduce interference level to a point acceptable to NDOR normal radio operating parameters. Vendor shall have thirty (30) days to resolve RFI issue(s).
			D. 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. If NDOR and vendor cannot resolve source of RFI the unit will be sent to an independent accredited lab for testing to ensure SAE and/or ISO Standards compliance. Testing shall be done to SAE and/or ISO Standards which were current at date of bid. Should the chassis and/or installed components and equipment fail testing at the accredited lab, the vendor shall be responsible for all cost incurred for testing.
			E. If after testing by NDOR and/or accredited lab, the vendor is unable or unwilling to incur the cost and correct the RFI issue to the satisfaction of NDOR, ALL ORDERS AND CORRESPONDING CONTRACT WILL BE CANCELED.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	23. FACTORY INSPECTION
			A. The first truck chassis manufactured shall be made available for Inspection by Nebraska Department of Roads personnel at factory.
			B. Vendor representative(s) shall accompany Nebraska Department of Roads personnel during the inspection.
			1 Vendor shall be responsible to have body and hitch representatives in attendance at inspection to resolve any possible problems.
			C. Transportation, meals and lodging cost for Nebraska Department of Roads representative(s) to perform required inspection shall be at the vendor's expense. Vendor/manufacturer must provide space in building to do inspection. NDOR will send minimum of two (2) people and possibly a third person to factory pilot inspection.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	24. WARRANTY
			A. The manufacturer's regular warranty certificate will be required with each unit delivered and the warranty shall apply, in all cases, with the following exceptions.
			1. Because of the installation or attachment of auxiliary or supplementary equipment by the Department or sub-contractor, the effective date of warranty will be after field assignment. As each unit is assigned for service the Department will maintain a record of serial number and assignment date.

			2. Manufacture's written warranty including engine, transmission and differential must accompany delivered units
			3. Full, manufacturer's warranty coverage will be required for the stated warranty period, beginning at assignment date, in addition to the time between delivery and field assignment.
			4. Prior to the awarding of, or entering into any agreement or contract, it shall be the responsibility of the manufacturer and/or the successful bidder to warrant to the State of Nebraska, in writing, that it has factory authorized dealers in the State of Nebraska who will provide warranty/service and repair work without undue delay.
			5. Provide any information on towing available and what is covered.
			6. It is understood that the bidder accepts the above warranty requirements when offering a bid.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	25. SERVICE
			A. Manufacturer's standard warranty, completed pre-delivery inspection certificate, Manufacturer's Statement of Origin and line sheet will be required at time each unit is delivered.
			B. Service policy shall be honored by all of the manufacturer's authorized dealers in the State of Nebraska.
			C. Dealer's decals, stickers, or other signs shall not be put on units; manufacturer's nameplates, stampings and other similar signs are acceptable.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	26. MANUALS
			A. Owners/operator's manual must accompany each unit delivered.
			B. All manuals must be furnished prior to payment and delivered to Fleet Management personnel.
			C. Failure to deliver all manuals that are ordered may result in non-payment of ten percent (10%) of purchase order total, until all manuals are delivered.
			D. NDOR shall be granted access to online engine, chassis, transmission, service and parts manuals as available through OEM at no cost to NDOR. Vendor to provide NDOR personnel training for on line manuals at each of the eight (8) NDOR District offices. Please state what will be provided: _____.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	27. SPECIFICATION FORM
			A. Successful bidder must complete form to the fullest extent possible for each unit delivered and must accompany each unit when delivered. Forms will be supplied by Nebraska Department of Roads to successful bidder after purchase order is awarded.
			B. If vendor does not properly complete form for each unit, a sum of $250.00 per unit will be deducted from purchase order amount.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	28. INSURANCE
			A. The Vendor will be required to fully insure all chassis, for all perils, until delivered to and accepted by the Nebraska Department of Roads, Fleet Management, 5001 South 14th Street, Lincoln, Nebraska.
			B. Proof of insurance must be furnished within five (5) days after notification of award to Nebraska Statue Purchasing Bureau at the address on the Invitation to Bid.
			C. If delivery is earlier than indicated by bidder on bid, vendor must furnish insurance from actual delivery date to delivery date on bid.
			D. The State of Nebraska assumes ownership at time of actual delivery at 5001 South 14th Street, Lincoln, Nebraska and acceptance of complete unit.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	29. BODY
			A. Body shall be a Monroe stainless steel RDS model and meet following specifications.
			B. Length of 14 feet required. Requires a minimum CA of 133 inches.
			C. Top inside width shall be 87 inches, with the total outside width being 96 inches.
			D. Side height of 50 inches minimum required. May be sloped front to rear to match tailgate height.
			E. Tailgate height of 50 inches.
			F. Capacity of 10.43 cubic yards.
			G. The longsills shall be fabricated from ¼" stainless steel, 14" deep.
			1. Sections of 4" x 5.4# channel are welded every two feet the length of the spreader at the base of the longsills, where the longsills are then boxed in with 1/4" stainless steel.
			2. Then there shall be 3/16" x 3" x 3" structural angle welded every 12" the full length of the conveyor at the top of the longsills.
			H. The unit shall have a ¼" stainless steel replaceable floor with 3/16 inch removable chain guards.

			I. The sides must be of a radius design for strength and to allow free flow of granular material to the conveyor.
			J. The boxed top rail shall be a minimum of 3/16 inch formed channel.
			K. The front shall be sloped to accommodate a headlift cylinder with partial doghouse and conform with the radius of the body and shall be 100% welded on the inside and outside.
			L. Side supports shall be added and shall have 3/16" x 4" 4" tube extending through long members with a 3/16" boxed section welded 100% from top rail of the body to cross tube,
			1. 3/16 inch stainless steel construction,
			M. Top rail of RDS body shall be compatible for tarp installation. Top rail may be sloped front to back.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	30. ROLL TARP
			A. The tarp system shall be a Shurco Super Duty Shur-Lok kit or equal, and consist of the following minimum.
			1. 22-ounce vinyl coated tarp with tailflap.
			2. Roll-away ridge pole.
			3. . 10 gauge aluminum front endcap.
			4. Aluminum latch plate.
			5. One heavy duty rear tarp bow.
			6. Three easy-off offset tarp stops.
			7. Four crank retainers.
			8. Long shur-flex crank arm.
			9. Front end shur-return system.
			B. Installation shall be such that the tarp can be secured for travel in either the open or covered mode.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	31. TAILGATE
			A. Tailgate shall be compatible for use with roll tarp.
			1. Shall be manufactured from 3/16 inch stainless steel on the bottom and ¼ inch formed channels on the sides
			B. Tailgate shall be double-acting with a squared perimeter, having two horizontal braces of 10 gauge material full width of the tailgate.
			1. Material door shall extend 16 inches into the interior of the body to prevent material from escaping through the partially opened door over the conveyor.
			2. Opening shall be 21 inches in width by 8-1/2 inches in height.
			3. Tailgate shall have 1 x 4 inch bar stock tailgate hardware with hardened pins.
			4. Air tailgate latches shall be 1 inch flame cut, with each latch being

			adjustable with threaded clevis and keeper pins.
			5. Latch shall be an over center type.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	32. CONVEYOR ASSEMBLY
			A. The body conveyor shall be 34 inches in width and shall have 28,000 pound tensile strength per strand pintle chain, with 1-1/2 inch x ½ inch bar flights on 4-1/2 inch centers. Pintle chain shall 30.50 center to center on links.
			1. Conveyor to be driven by two high torque/variable speed 6:1 spur gearboxes and two hydraulic motor with ground speed sensor capability. Preferably gearboxes are to be retained by a clevis type torque arm mount.
			2. There shall be 8 tooth sprockets keyed to the 2 inch drive and idler shafts.
			B. Conveyor drive shaft shall be heavy duty, dust sealed self-aligning four bolt flange bearings.
			C. There shall be a heavy duty idler assembly that will provide adjustment for proper conveyor chain tension by use of slide rail style adjusters.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	33. FRONT CROSS CONVEYOR
			A. The unit shall have a front cross conveyor with spinner.
			B. The conveyor shall be minimum 19 inches wide and shall utilize a two-ply rubber belt.
			1. The belt shall be heavy duty, with top cover measuring 3/16 inch and the bottom ply measuring 1/16 inch. Total thickness being 3/8 inch.
			2. The belt shall have a working tension of 150 pounds per inch of width.
			C. The conveyor shall be direct driven by a 5 inch roller on one end of conveyor, the main idler roller shall also be a 5 inch diameter.
			1. There shall also be two 3 inch idler rollers for belt return and four idler 2 bolt flange bearings.
			D. The conveyor will have five 1-1/4 inch bearing with four bolt flanges and three 1-1/4 inch bearings with cast housings that are adjustable in a rail type frame.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	34. SPINNER ASSEMBLY
			A. The spinner assembly shall be manufactured from 3/16 inch A569 steel and shall have a material deflector shield integral to the body.
			B. The spinner motor shall be high torque/low speed mounted directly to the spinner disc with a cast hub.
			C. The spinner disc shall be 24 inch in diameter and manufactured of polyurethane with six molded-in fins.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	35. STATIONARY CAB SHIELD
			A. Cab shield shall cover rear, one half of cab and be constructed of 201 stainless steel.
			1. Be reasonably close to top of cab.
			2. Allow visibility from rear cab window.
			3. Shall be the same width as widest part of cab above doors.
			4. The cab shield uprights shall be a formed channel using ¼ inch 201 stainless steel with approximately an 2 ¾ flange and eight inch width. Formed channels to be approved by Nebraska Department of Roads prior to use and installation.
			5. Each upright shall be bolted with minimum of five each of 5/8 inch grad 8 bolts to chassis rail. Welding and gusseting of right hand upright to wing sub-frame is acceptable.
			6. Upright flanges shall face away from center of chassis.
			7. Uprights shall be further stiffened to rail with 8 inch length of 3/8 inch by 3 inch by 3 inch angle irons placed on top of rails and properly welded to uprights. This angle iron may also act as the bottom support for the hydraulic reservoir. This angle iron shall not be welded to frame rails but must rest squarely on chassis rail.
			8. All seams to be continuous, skip weld will not be accepted.
			B. Top cross member shall be adequately welded to uprights and gusseted with two ¼ inch steel plates of 6 inch by 6 inch by about 8-1/2 inch dimensions at rear part of assembly.
			C. Cab shield shall be welded to uprights and top cross member. Cab shield material shall be minimum 10 gauge thickness.
			1. Reinforced and weld to cross member with two 3 inch by 1-3/8 (4.1) channel irons, which extend the full length of cab shield and align with eight inch channel uprights.
			2. Adequately gusseted from 3 inch x 4.1 channel iron to eight inch channel iron.
			3. Welded to 4.1 channel iron with flanges downward.
			4. Meet all OSHA standards.
			5. Have provisions that do not allow ponding of water. (No Drain Holes).
			D. Flame cut openings in cab shield shall allow vision thru rear window area.
			1. Shield shall be placed to allow ample visibility from rear window.
			2. Outer skirts of cab shield shall extend a minimum of six (6) inches below rear cab window.

			3. A two-inch angle iron will be welded to uprights near top of hydraulic reservoir.
			4. An approximate three (3) inch opening from top of reservoir to angle iron is required to allow hand access.
			E. Adequately-sized openings with rounded corners will be necessary in eight (8) inch channel uprights for filler tube, temperature/sight gauge and other hydraulic components to be mounted on left side of truck. Openings will be done in a professional manner with straight sides with minimum one-half inch radius corners.
			F. Welding to be continuous on both sides of gussets, channels and cross members.
			G. Three (3) strobe light mounting brackets are required to be installed on each unit. Bracket sample will be provided by NDOR to provide successful bidder with proper bolt pattern for NDOR lighting.
			1. Brackets to be welded prior to painting cab shield.
			2. One (1) bracket shall be center mounted on top of cab shield. The other two (2) brackets shall be mounted on top of cab shield, one on each side. Placement of brackets shall be such that auxiliary plow lights will not impair visibility of strobe lights.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	36. MUDFLAPS
			A. Mounted behind and in front of tandems as per Nebraska Statues.
			1. Front mud flap bracket can either be truck frame or body mounted. Must provide for anti-sail and not interfere with any of the truck components.
			2. Rear mud flaps shall be attached to body with adequately-sized chain links.
			B. Dealer nameplate(s) and or other dealer sign(s) on rear mud flaps shall not face to rear of truck.
			C. Curved fenders for tandem axle chassis required.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	37. HYDRAULIC SYSTEM
			A. The truck hydraulic pump shall be directly driven via a Spicer Number 1350 driveshaft connected to an OEM supplied PTO drive flange mounted on the engine front crankshaft dampener.
			B. Driveshaft shall pass under or through the engine radiator; under if possible.
			1. Drive flange attachment bolts and the hydraulic pump shaft set screw shall be safety wired.
			2. The driveline grease zerks shall be easily serviced.
			3. A heavy duty PTO shield is required from pump to front of chassis, which shall be attached to snow plow hitch or be a part thereof.

			C. The truck hydraulic pump shall be a minimum 4.33 cubic inch (71cc) variable displacement load-sense designed for continuous operation. The pump shall be a Rexroth A10VO71 series, Force America FASD34L, Sauer Danfoss 45J75C or Eaton 420 series. Indicate: _____.
			1. The hydraulic pump shall be capable of producing a nominal 34 GPM flow at 1,800 engine RPM with a minimum 3,000 PSI operation pressure.
			D. Hydraulic system pressure will be set to operate at 2500 p.s.i.
			E. Hydraulic pump outlet port shall have an electronically operated valve to be operated by low hydraulic oil sensor. Valve will close when hydraulic oil is low.
			F. ½ inch hydraulic hoses from hydraulic stack valve to the front of the snow plow hitch for raise-lower and plow angle functions.
			1. Hoses to be rigidly mounted with ISO 16028 flat face interchange couplings. Couplers (one male and one female) placed so as not to interfere with plow hitch or plow function.
			a. Couplers or equivalent: Faster FFH0812NPT/Faster FFH0812NPTM (FPQ Premier) Parker FEM-501-8FP-ZP/Parker FEM-502-8FP-ZJ (XTR) Stucchi Part #2317188/2317189 (Z plated).
			b. Couplers to meet ISO 9227 standards to a minimum of 400 hours salt spray test.
			2. Hoses with one of the above listed couplers (one male and on female) shall be installed to plow cylinder.
			3. Plow up-down couplers to be mounted on plow hitch on passenger's side of truck. Plow angle couplers to be mounted on plow hitch on driver's side of truck.
			4. Only steel wire braided hoses are acceptable.
			5. Hydraulic oil to be multi-purpose, all season type. Please state ISO grade furnished: _____
			G. The hydraulic control valve(s) to be a stack valve type load independent proportional valve which is closed center, load sensing and pressure compensated to control three (3) functions simultaneously. A valve assembly utilizing a modular manifold with individual valve sections would also be acceptable. The control center console shall be floor mounted.
			1. The valve is to be controlled by electrical proportional actuation.
			2. Each valve section shall be equipped with adjustable trim control, flow control, spool stroke limiters or other means to control oil flow for each function independently.
			3. Valve is to be arranged as follows:
			a. Closed center inlet with relief.
			b. Hoist = 4 way, 26 gpm, 500 psi down port relief
			c. Plow lift = 4 way, 10 gpm
			d. Plow angle = 4 way, 10 gpm
			e. Wing toe = 4 way, 10 gpm, 500 psi down port relief (if required).
			f. Wing heel = 4 way, 10 gpm, 500 psi down port relief, 2000 psi up port relief (if required).
			g. Auger = 4 way, 17 gpm motor spool or cartridge valve.
			h. Spinner = 3 way, 10 gpm motor spool or cartridge valve.
			i. Prewet = 3 way, 6 gpm motor spool or cartridge valve.
			j. Anti-Ice = 3 way, 16 gpm motor spool or cartridge valve
			k. Endcover
			4. Hydraulic control valve to be mounted inside a weatherproof enclosure outside of truck frame. Location and hose routing to be reviewed

			during pilot inspection.
			5. Pressure and return hoses for anti-ice, pre-wet, spreader auger and spinner shall be routed from stack valve to rear of dump at lower horizontal rib ½" flat face couplers as previously stated shall be used. Function shall have individual pressure and return couplers. Two function/four couplers per side.
			H. The control center shall be a full proportional control of all hydraulic functions, spreader control functions with one single joystick or multiple joysticks to be located in the integral armrest. The control center with integral armrest shall be floor mounted.
			1. A drawing of proposed design must be submitted with bid packet. Drawings to include switch locations.
			2. Control of hydraulic functions with a fully proportional joystick(s) is to be located in the armrest. The armrest should be height adjustable and swing to left and right
			3. Joystick operation is described as follows:
			a. Shall operate proportionally and shall have the ability to run three (3) functions simultaneously.
			b. Hoist function: with operator activated safety lock.
			c. Plow function: dual axis with operator activated safety lock.
			d. Wing function: dual axis with operator activated safety lock. Wing lift = forward/backward axis, wing heel = left/right axis
			4. Spreader control, harness and wiring to back of truck will be set up for granular pre-wet, anti-ice, and total liquid use even if functions are not utilized.
			5 Spreader control shall be a Certified Power brand, Freedom XDS, Force America brand, SSC-6100 or Cirrus brand, SpreadSmart RX Touch. All spreader controls must meet all other specifications. Indicate spreader control: _____
			a. It shall be capable of controlling the application rates of granular, with pre-wetting agents, and/or anti-icing agents simultaneously or independently, regardless of vehicle speed.
			b. Control must be GPS compatible. The spreader controller shall provide a standard output of real-time streaming data including but not limited to: Ground speed, surface and air temperature, material selected, material application rate, lane(s) material being applied to and pre-wet rate.
			i. The output shall be in standard format such as ASCII through a standard 9 pin, USB or other connector that meet NDOR approval.
			ii. The data shall be formatted so that 3rd party devices can read informational data in real time. All hardware, software and information necessary for 3rd party device to read the data output shall be if requested at no additional charge to NDOR.
			c. It must be possible to reprogram the controller by upgrading the software.
			d . The control shall be installed onto the control console, mounted onto the dash or other pre-approved area. Installation shall position the control so it is easy for the operator to see and reach.
			e. Anti-ice feature shall include a 3-lane selective lane switch box mounted in, under or near the console or through the soft keys of controller. Box shall have four (4) switches, the first to allow selection of either anti-ice or granular system, the remaining three (3) shall be lane selections switches, left, center and right.
			i. Anti-ice system shall adjust pump output to maintain selected rate as lanes are activated or deactivated.
			ii. .Anti-ice system to close valves to prevent gravitational flow of liquid when truck is stopped or 'pass' button is pushed.

			iii. Anti-ice system to provide an audio alarm for insufficient application of liquid. Display shall show actual rate being applied.
			iv. An electronic display capable of being reset to indicate gallons remaining in tank or gallons used since reset.
			f. Control shall allow up to a minimum of ten different preprogrammed application rates plus a manual override feature. It shall be capable of four granular products and tow liquid products. A blast feature shall be incorporated.
			g. Controller blast button shall immediately cause full hydraulic flow to the auger section, causing maximum spreader material output. The blast system shall be equipped with a timer. Blast feature shall also work with Anti-Ice function.
			h. Controller shall default to 'pass or stand by' upon startup of truck even if console master switch is 'on'. This will eliminate material being spread when truck starts to move in year or is started in shop bay.
			i. A data lock key shall be part of the controller to prevent data or programs from being changed or deleted without key access. Password program also acceptable.
			j. A key shall be provided for each controller.
			k. Granular rates may be selectively displayed in pounds-per-lane-mile or kilograms-per-kilometer. Liquid pre-wet rates may be selectively displayed in gallons-per-ton or liters-per-metric ton.
			l. Controller shall have a non-volatile memory to store all program and data when it is disconnected from a power source.
			m. A LCD color display, minimum of five (5) inches diagonal shall provide the operator with instant access to
			i. Total distance.
			ii. Total granular applied.
			iii. Total liquid applied.
			iv. Vehicle speed.
			v. Distance traveled.
			vi. Low oil indicator.
			vii. Body up indicator.
			n. All spreader control harnessing shall meet ISO IP68 and NEMA 6 standards. The connectors should be die cast E-coated, and be designed to have NO corrosion after 500 hours in a 35C salt spray. Each should have three sealing points (1) the lock ring itself, (2) a raised portion of the molded plastic around each pin, and (3) a Viton O-ring that seals the whole connector. Wiring to be equivalent to Daniel Woodhead, Brad Harrison electrical connectors and wiring.
			6. Switch panel to be Wired-Rite System Inc., Touchguard or Force America brands. Switches will have built-in bus bar connecting, silk screen backlit function indicators and magnetic automatic reset internal circuit breakers. Wiring shall include adequate slack to allow entire panel to be easily removed for service or replacement
			a. Main 12 volt battery feed into truck cab control box shall be protected by an 80 amp manual resetting waterproof circuit breaker (Wired Rite DB-80R or equivalent) installed on the truck cab fire wall or within battery cover enclosure.
			b. The power feed line to the 80 amp breaker shall be a minimum of 4-gauge fine strand copper.
			c. The positive/negative wires into the cab from the breaker and truck frame ground shall be 4-gauge.
			d. Switch circuits will be either a battery or ignition type. Battery circuits shall be always hot. Ignition circuits will receive power through a Bosch model 0332002150 75 amp relay when the

			ignition switch is in both the accessory or run positions.
			e. The switches and lamps shall be labeled and function as follows:
			i. Plow/Truck Lights, (if OEM chassis supplied this is to be changed to an auxiliary switch SPST off/on) Battery DPDT, 2 position, ON/ON
			ii. Cab/Hood Plow Lights Battery DPDT, 2 position ON/ON
			iii. Auxiliary Switch Ignition SPST, ON/OFF
			iv. Amber Strobe Light Battery SPST, ON/OFF
			v. Blue Strobe Light Battery SPST, ON/OFF
			vi. White Strobe Light Battery SPST, ON/OFF
			vii. Spreader Light Ignition SPST, ON/OFF
			viii. Auxiliary Switch Ignition SPST ON/OFF
			ix. Winter/Summer DPDT, 2 position, ON/ON
			f. A guarded/protected switch is also required to allow temporary over ride of low hydraulic oil shut down solenoid. This will allow operator to possibly operate any function to allow unit to be moved off roadway.
			g. The body up indicator lamp shall function as a dump body height warning system. In both the winter and summer mode, it shall illuminate whenever the body is raised.
			i. In addition, in the winter mode, working through an adjustable angle mercury switch, this system shall also include a flasher and audible alarm that will engage when the body attains the pre-set height adjustment of the mercury switch.
			ii. .Alarm must be loud enough to be heard over any truck noise.
			h. The Winter/Summer switch shall control power to the dump body height warning circuit. In the winter mode it will power the height warning feature of the dump body up lamp circuit causing it to function as designed. In the summer mode, it will not allow power to the dump height warning circuit.
			i. Switch panel to be located on the armrest portion of the control console and not interfere with the operation of the joystick.
			I. Hydraulic reservoir to be minimum 30 gallon oil capacity with five gallon expansion space for total 35 gallons.
			1. Reservoir to be sturdily mounted, and complete with suction strainer return filter and adequate shut-off valves for servicing.
			2. Return filter shall have a 10 micron rating. Filter shall be interchangeable with such filters as Donaldson P550388, Wix 51759, or Baldwin TB287-10. Please state filter to be provided: _____
			3. Suction strainer shall be 100 mesh with 5 PSI relief valve.
			4. A gate-type or ball valve shut-off valve, of at least the size of the suction line, is required between the reservoir and the suction line itself.
			J. Reservoir tank shall be mounted between the cab and body within the confines of eight inch channel upright for cab shield.
			1. The 7 gauge steel reservoir will be eight inches wide.
			2. The approximate height will be 33 inches and approximate width of 32 inches.

			a. The reservoir must be of such height to allow visibility through rear cab window and to accommodate other chassis/body requirements.
			3. Reservoir will have a 45 to 70 degree filler pipe. Filler pipe will extend a minimum of three (3) inches through upright.
			a. Filler neck shall be removable from top of tank.
			4. A sight gauge with Fahrenheit temperature scale for checking proper oil level shall be furnished.
			a. Sight gauge location shall be on same side of reservoir as filler tube.
			5. A hydraulic oil low level alarm or indicator light is required.
			a. Alarm or light to be mounted in the cab.
			K. Bottom rear of tank on each side will have flat steel plates welded to back of tank with holes for bolting to upright flange.
			1. Upper part of tank will have ¼-inch x 2-inch flat plate welded to center of tank with holes for bolting to angle iron cross member between uprights. Bolts to be Grade 8.
			2. Tank shall be mounted so as to have adequate clearance from chassis components and so that it can be conveniently removed without moving the eight inch uprights that secure the tank.
			L. The filter will be mounted on the same side of tank as filler tube.
			1. Reservoir will have a 1-inch magnetic drain plug and baffle(s) as needed.
			2. All components of hydraulic system shall be of size that will not restrict flow and withstand a minimum working pressure of 2,500 PSI.
			M. Vendor will minimize the number of critical rub points for hydraulic hoses, where critical rub points exist; they shall be wrapped with spiral metal or adequate rubber wrap.
			N. System shall permit the dump body to be raised or lowered while vehicle is traveling at highway speeds up to 35 MPH as well as when vehicle is not moving.
			1. Partially or fully raised box shall not creep up or down when vehicle is not moving or when hydraulic valve has been returned to neutral position and vehicle is traveling at 35 MPH or less.
			O. Detailed literature and manufacturer's specification and date sheets on PTO, Joystick Control, Spreader control crankshaft drive, hydraulic pump, valves, filters and flexible cable control system will be provided with bid. BIDS MAY NOT BE CONSIDERED WITHOUT THE INCLUSION OF THIS INFORMATION NECESSARY TO EVALUATE THE BID.
			P. Hydraulic/spreader system training and support shall be provided by company representative.
			1. Training for operators and mechanics shall be provided by spreader control/hydraulic system representative.
			a. Training shall be done at any of the units, assigned locations and/or district within the State of Nebraska.
			b. Training session shall be a minimum of four (4) hours for operators. An additional four (4) hours of training shall be provided to mechanics for diagnostic procedures and repair of controller system.
			c. Training shall include basic operation, calibration procedures, and basic trouble shooting. Training to be required and provided annually for each NDOR District.
			2. Technical support shall be provided for systems.
			a. Vendor shall make a representative available to travel within the State of Nebraska and assist mechanic with system failures.
			b. Vendor representative shall travel to any of the units assigned location to make repairs during warranty.
			Q. The Hydraulic/Spreader control system shall be free of RFI emissions.

			1. The hydraulic/spreader control system and/or installed components and equipment shall be compatible with use of NDOR mobile and/or two-way communication devices. 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.
			2. The hydraulic/spreader control system and/or installed components and equipment shall be manufactured to meet all current SAE and/or ISO Standard applicable and/or relevant to Electromagnetic Compatibility
			3. NDOR will conduct testing of radio/two-way when installed in chassis. NDOR will notify vendor if normal operational parameters are not met due to degradation of signals caused by electromagnetic emissions from control system and/or installed components and equipment. Vendor shall be required to work with NDOR personnel to reduce interference level to a point acceptable to NDOR normal radio operation parameters. Vendor shall have 30 days to resolve RFI issue.
			4. 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. If NDOR and vendor cannot resolve source of RFI, the unit will sent to an independent accredited lab for testing to ensure SAE and/or ISO Standards compliance. Testing shall be done to SAE and/or ISO Standard which were current at time of bid. Should the unit fail testing at the accredited lab, the vendor shall be responsible for all cost incurred for testing.
			5. If after testing by NDOR and/or accredited lab, the vendor is unable or unwilling to incur cost and correct the RFI issue to the satisfaction of NDOR, ALL ORDERS AND CORRESPONDING CONTRACT WILL BE CANCELED.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	39. SNOW PLOW HITCH
			A. Shall be heavy duty, universal quick hitch Monroe, Viking, Henke, Henderson or other equivalent approved in writing by Fleet Management prior to bid opening, with minimum four inch double acting hydraulic cylinder. Hitch may be powder coat finish or primer and paint finish.
			1. Center line hitch mounting is to be 30.5”
			2. Lower plow mount pin approximately 14 inches from grade
			3 Height of hitch mast shall be 40-44 inches from plow attachment pin to pivot of lift arm.
			B. Hitch will include attaching pins and A-frame lift arm with lifting lug or clevis.
			C. All thrust loads must be transferred to chassis frame and not to chassis axle or spring assemblies.
			D. The crankshaft driven pump must be supported and protected by this hitch assembly.
			E. Hitch to be made so that tilting hood/fenders will tilt fully forward with mast in tilted position. Mast shall be tilting design by either manual or hydraulic function.
			F. Hitch will be installed with Grade 8 bolts to chassis and as per hitch manufacturer’s recommendations.
			G. A drawing of hitch to include material specifications of materials used shall be provided prior to bid award.

			1. Pump shall be located as reasonably close as possible to chassis components after bumper removal.
			2 Bumper to be put in dump body when delivered. All mounting brackets and hardware shall be left intact with bumper and shall be delivered with the same truck as which was removed from.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	40. INSTALLATION
			A. All installations shall be made so that no body member will touch or interfere with proper alignment of the body hinge assembly, truck suspension or other components.
			B. The longitudinal truck frame members are to be cut off and properly ground at the rear of the truck chassis,
			1. A minimum 3/4–inch steel pintle plate shall be continuously welded across the width of the body's rear hinge and to the truck's frame. Minimum 3/8-inch steel plate gussets shall be continuously welded to the hitch plate at an angle toward the bottom of the hitch and to the truck's frame forwardly as far as practical or a minimum of 12 inches
			2. The pintle plate shall be recessed approximately 3/8 inch into frame rails to allow double welding of entire plate on both sides. The pintle plate shall be frame width at pintle eye height.
			3. Double welds shall be thick, heavy duty type or additional welds will be required.
			4. Pintle plate shall not extend lower than 3 inches below lower mounting bolt of pintle hook.
			C. A pintle hitch, Holland PH-300 rated at 36 tons , shall be centrally attached with Grade 8 bolts to the pintle plate. Proper adjustment of the hitch's air cushion plunger shall be done using Holland's adjustment gauge (part number TD-03147). All installation and adjustments shall follow manufacturer's guidelines where otherwise not noted. Eye height to be approximately 28 inches from grade with air suspension at operating height.
			D. Two safety chain brackets with load capacity of 30,000 pounds each. Premier Number 9 or equivalent of use as attachment of trailer safety
			1. These are to be closely attached to frame rails welded to the right and left of pintle hitch.
			2. Reference drawing and/or pictures will be provided to vendor after award to show NDOR preferred placement of chain hook, trailer airline/glad-hands, and trailer electrical plug.
			E. To effectively mount our end gate material spreader, a controlling distance from a plumb line dropped from end of box floor to the rear most portion of the wheel tread must be at least 12 inches but not more than 13 inches.
			1. The frame cut-off must also be made so as to position the face of the channel cross member or angle iron 9 inches, plus or minus ½ inch forward of the rear edge of the dump box floor.
			F. Dump box, electric adjustable, lift limit, weatherproof valve control must be provided. To stop oil flow to dump box cylinder.
			1. It shall be capable of limiting overall box height from 12 feet above ground level up to maximum possible dump angle.
			G. All bare wire to bare wire electrical connections shall be properly soldered and weather sealed with heat shrink tubing.
			1. Wires from chassis to body lights shall be in flexible conduit or loom.
			H. Professional techniques and workmanship are required.

			1. No welding or cutting of chassis rails except as stated elsewhere in the specifications.
			2. Welds must be chipped free of slag and thoroughly protected with yellow or black enamel as appropriate.
			3. Improper mounting, poor welding practices, the presence of slag, hydraulic oil leaks or inadequate paint overage will be cause for rejection of any unit. In which case, the vendor will be notified to call for the vehicle and remove it from State property for remedy of defects.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	41. FOLDING LADDER
			A. Shall be fabricated of standard, one inch square, tubular steel stock..
			B. Rungs of steel Bustin Model 624 with 1-1/16 inch width and be put on right front side of body ahead of front tandem tire.
			C. Shall be made so access is from about two feet from grade with approximately four rungs.
			D. Space must be provided behind all rungs to allow for adequate toe room.
			E. When ladder is folded in upright position, it shall not extend out beyond edge of main body.
			F. Adequate latch to keep foldable portion of ladder in upright position when traveling is required.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	42. AUXILIARY HEADLAMPS/TURN SIGNALS
			A. Two sets are required.
			1. One set shall be mounted on cab shield near front corners of cab with a heavy bracket positioning the light so that the top of light will be about same height as top of cab shield. Plow light mounting not to interfere with strobe light mounting position.
			2. One set referred to as hood lights, will be attached with a sturdy bracket preferably using existing chassis bolts to alleviate fiberglass cracking.
			a. Height of centerline of hood lights will be slightly above the top of hood.
			b. Inner width will be slightly outside of vertical plane of hood.
			c. Light sets shall consist of Truck-Lite LED Snow Plow Light with heated lens. Truck-Lite kit number is #80990 or approved equivalent. Lights other than those above must be approve by NDOR Fleet Management prior to bid opening.
			d. Two toggle switches are required to switch between chassis headlights, cab lights or hood lights.
			e. Use of dimmer switch in all modes required.
			f. A permanent-type decal or sign shall be installed by switches indicating “chassis headlights”, or “hood lights”

			B. Wires from lights to entrance of cab shall be in flexible conduit or loom, adequately attached and with the proper grommets.
			1. Additional holes are not permitted in cab for light wire entrance, unless existing manufacturer's holes in firewall or elsewhere do not allow wire entrance; FLEET MANAGEMENT must then be contacted for acceptable access.
			2. Wire entrance must be properly grommeted or otherwise silicone sealed so as not to permit moisture entrance.
			C. Turn lights will be wired so they function when factory installed turn signals
			1. Heavy duty flasher is required, unless original chassis flasher is recommended for the additional lights.
			a. Is original chassis flasher recommended for additional lights?
			D. A halogen spotlight that is fixed for wing operation is required. Unit will be a six inch diameter, round or rectangular shaped light mounted on cab shield. Mounting of light will allow light beam to be direct to heel of wing moldboard in operating position.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	43. CLEARANCE REFLECTORS
			A. All reflectors used in lieu of lights shall be placed front, sides and rear as required by State and Federal laws.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	44. CONVEX MIRRORS
			A. Required for each front fender of Phillip Fender Guides or Velvac 8 inch round convex mirrors. An equivalent could be acceptable but must be approved in writing by Fleet Management prior to bid opening. Indicate: _____.
			1. Mirrors proposed must be recommended by mirror manufacturer for install on front fenders of dump truck.
			2. Mirrors shall be mounted so they do not interfere with auxiliary headlamps.
			3. Mirrors to be heated type if available. Please state type to be provided. _____.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	45. TOOLBOX
			A. An approximate 24 inch long by 12 inch by 14 inch waterproof unit of Knaack Weatherguard brand Model WG 525-5-01, Knapheide TBU2414A or Omaha Brand B24-B is required. Indicate: _____.
			1. Box must be sturdily mounted on chassis frame.
			2. Bidder shall note that air dryer, air tank or battery box may need to be relocated to accommodate the box.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	46. SAFETY EQUIPMENT
			A. Electronic type back-up alarm that meets OSHA standards.
			B. Rear view camera system required as per Section 17-F.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	47. ROADWATCH SENSOR
			A. A Roadwatch Sensor Head and Roadwatch display will be furnished and mounted on truck.
			B. Unit is to be wired into control panel.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	48. WARRANTY
			A. One year on parts and labor beginning after field assignment.
			1. As each unit is assigned for service the Department will maintain a record of assignment date.
			B. Warranty work shall be accomplished within the State of Nebraska.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	49. GENERAL
			A. Rolled edges or protective curved strips shall be attached to brackets and mountings of installed switches and similar devices in cab that have exposed sharp edges.

			B. Stickers, decals and similar signs shall not be affixed in cab where sun reflects from them in driver's or passenger's eyes.
			C. Dealer's decals, stickers, or other signs shall not be put on units; manufacturer's nameplates, stampings and other similar signs are acceptable.
			D. The first truck and body installation ready for delivery for each year of orders must be made available for inspection by Nebraska Department of Roads (NDOR) personnel.
			1. Vendor representative shall accompany Nebraska Department of Roads (NDOR) personnel during inspection.
			2. Components and parts that require vendor cutting, welding, grinding and similar operations shall not be painted prior to inspection. A light coating of primer is acceptable.
			3. Approval of the body, ladder, toolbox, lights, snow plow hitch and hydraulic mount must be obtained before additional units are assembled.
			4. The chassis, body, snow plow hitch, sander and hydraulics shall be delivered as a complete unit and ready for satisfactory operation.
			5. After the pilot inspection no changes to the chassis, dump body, body mountings, hydraulic system or any other components shall be made without documented permission from NDOR fleet management.
			E. Transportation, meals, and lodging cost for Nebraska Department of Roads (NDOR) representatives to perform required inspection(s) shall be at the vendor's expense. Vendor/manufacturer must provide space in building to do inspection.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	50. MANUALS
			A. Following will be furnished with each unit delivered:
			1. One dump body manual and parts listing.
			1. One hydraulic system manual including information on schematic of system, tank, pump, valves, driveline, cables, levers and other relevant items to include operation, calibration and trouble shooting.
			2. May be in a printed format, CD-ROM, Flash drive or online.
			B. All manuals must be furnished prior to payment and delivered to Fleet Management personnel.
			C. Failure to deliver all manuals that are ordered may result in non-payment of ten percent (10%) of purchase order total, until all manuals are delivered.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	51. SPECIFICATION FORM
			A. Successful bidder must complete form to the fullest extent possible for each unit delivered and must accompany each unit when delivered. Forms will be supplied by Nebraska Department of Roads (NDOR) to successful bidder after purchase order is awarded.
			B. If vendor does not properly complete form for each unit, a sum of $250.00 per unit will be deducted from purchase order amount.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	54. DELIVERY
			A. After vendor completes pre-delivery service, vendor shall deliver the unit to NDOR, 5001 South 14th St. Lincoln NE, between 9:00am and 3:00pm, except on Saturdays, Sundays and State Holidays.
			B. Each unit shall be delivered with not less than 20 gallons of fuel in tank.
			C. Vendor must notify NDOR Fleet Management a minimum of 24 hours prior to delivery of units. Contact number for NDOR Fleet Management are 402-479-4319, 402-479-4323, or 402-479-4304.
			D. Manufacturer's Statement of Origin and other pertinent purchasing documents must accompany invoice at time of delivery.
			E. All deliveries and pricing are to be F.O.B. 5001 South 14th Street, Lincoln, Nebraska.
			F. Delivery of completed chassis with dump body is desired within 200 days of receipt of order by vendor. Delivery time beyond 200 days may result in bid not being considered. Please state delivery days here and on Invitation to Bid Contract form. Indicate delivery days ARO: _____.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	55. WARRANTY
			A. Contractor must warrant the average life expectancy supplies hereunder to be not less than that stated in the manufacturer's price list and agree to replace, without cost, all supplies failing to meet this requirement, except where the reduced life is due to conditions beyond the control of the Contractor. Defective parts or those damaged in shipment must be replaced by the Contractor at no charge to the State of Nebraska. The manufacturer's standard warranty shall apply and be in effect for at least one year from the date the equipment was placed in service.
NOTES/COMMENTS:			

ATTACHMENT – RDS PRE-WET SYSTEM – 240 GALLON DUAL 120 GALLON TANKS

This option shall meet or exceed the following requirements, which are exceptions to above specification.

YES	NO	NO & PROVIDE ALTERNATIVE	1. GENERAL
			A. Pre-wetter will be used to apply liquid ice control material onto granular material at the spreader spinner.
			B. Pump system shall have a design rating of 4 GPM @ 1725 RPM
			C. Tanks shall have 120 US gallon capacity. (Dual)
			D. System must be fully tested and calibrated to a minimum 10 gallon per ton rate upon delivery to the Department. System shall be flushed and winterized with a suitable antifreeze solution to prevent damage.
			E. All components, parts, pieces, fasteners, etc., shall be manufactured from nonferrous/non-rusting materials.
			F. Liquid ice control material hoses shall be minimum ½ inch polyester braid reinforced clear PVC, suitable for cold weather use.
			G. All hoses and cables shall be long enough to allow the dump body tailgate to open for dumping over the spreader.
			H. Tanks must mount on top of the fenders and fit in the area along the sides of the body.
			I. Cables to be ISO IP68 NEMA 6.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	2. TANK
			A. Tank shall be purpose designed to fit a Department snow removal truck RDS body. When installed they shall not extend beyond the side of the fender.
			B. Wedge style tanks shall be approximately 5.5 inches wide at the top and 19.5 inches at the bottom. Height shall be 22 inches, overall length shall be 100 inches.
			C. Tank shall be constructed from rotationally molded UV stabilized polyethylene. Design liquid rating shall be a minimum of 14.5 lbs. per gallon.
			D. There shall be three molded-in stiffeners, each approximately 4 inches wide, evenly spaced in the tank length.
			E. Tanks shall include a 1 inch baffle vent installed at the top.
			F. Tanks shall have a two top mounted 3 inch NPT fill lids. Lids shall be tethered.
			G. Tanks to include two 1-1/4 inch NPT molded in ports on each end. Ports to be located as close to the bottom of the tank as possible (spin weld and/or bulkhead fittings are not acceptable at this location).
			H. A 1-1/4 inch ID cross over hose with fittings is required.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	3. FITTINGS
			A. All anti-icing liquid fittings are to be made of glass reinforced polypropylene for strength.
			B. A 3/4 –inch Y-type strainer with a stainless 20 mesh screen must be installed between the tanks and pump.
			C. A 1-1/2 inch male cam lock connector shall be installed to allow bulk filling. A matching cam lock cover cap shall be provided. Bulk fill fitting must be accessible from the ground.
			D. The right rear facing port shall have a 1-1/4 NPT plug screwed into it.
			E. A ¾ inch 3-way valve shall be installed into the suction plumbing. When this valve is closed, normal flow of the anti-ice material shall occur. When the 3- way valve is turned to the closed position and this valve opened, flush material shall be sucked into the plumbing and pumping system, thoroughly displacing all corrosive materials. An approximate 12-inch hose piece shall be attached to this fitting to allow easy flush material introduction via a plastic jug.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	4. PUMP SYSTEM WITH FLOW METER
			A. Material pump shall be a solid brass gear type, direct coupled to the hydraulic motor that will power the pre-wetter.
			B. Pre-wetter hydraulic system shall obtain its flow directly from the valve motor manifold circuit identified for this purpose.
			C. Flow control shall be electrically controlled by the spreader control in the truck cab, allowing precise metering of the oil flow.
			D. Pump system shall incorporate a calibrated turbine style flow meter. Flow meter signal shall be sent to the spreader control, allowing a precise ground oriented liquid application rate. Rate shall be adjustable up to the limits of the pump design output.
			E. A float switch placed in the bottom of the tank to indicate low level or empty tank. Float switch shall be compatible and connected to spreader control system.
			F. Pump and associated plumbing to be enclosed in a fiberglass weather resistant enclosure.
			G. Enclosure to be mounted alongside of body.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	5. MOUNTING SYSTEM
			A. Pre-wet system shall attach to the dump body fenders via a full stainless steel framework. Frame shall fully support the tank.
			B. Polyethylene tank shall be retained in the stainless steel mounting cradle with three 3 inch wide UV stabilized nylon tie down straps. Straps shall have a heavy duty threaded t-bolt mount on each end. Bolts shall pass through the mounting framework and be tension adjustable with stainless nuts.

NOTES/COMMENTS:

YES	NO	NO & PROVIDE ALTERNATIVE	6. NOZZLE DELIVERY SYSTEM
			A. Pre-wet liquid shall travel from the pump out to be applied on the spreader spinner.
			B. Two brass nozzles, each rated 1.0 GPM flow shall be furnished and mounted on to a bracket, attached to the spreader spinner with stainless bolt. Nozzles shall be directed to spray on the centerline of the spinner.
			C. A suitable cam lock type quick connector shall be installed in the delivery line running to the nozzles. It shall be positioned in the line to approximately correspond to where the hydraulic quick connectors for the spinner assembly are, allowing the entire spinner assembly to be easily removed with the nozzle bracket assembly attached.
			D. A one-way check valve system must be installed in the delivery line directly before or at the nozzles to prevent line drain down when the system is shut-off.
NOTES/COMMENTS:			

ATTACHMENT – FRONT MOUNT PATROL WING

This option shall meet or exceed the following requirements, which are exceptions to above specification.

YES	NO	NO & PROVIDE ALTERNATIVE	1. WING
			A. Wing to have a minimum 11-foot long moldboard.
			B. Height of Moldboard shall be minimum 29 inches.
			C. Moldboard thickness to be minimum 3/16 inch.
			1. Moldboard steel shall meet ASTM A36 specification.
			D. Cutting edge of 5/8 inch by 8 inches, AASHTO punched.
			E. Moldboard bottom angle or base angle shall be a minimum 4 inch x 4 inch by ¾ inch structural angle.
			F. Minimum seven moldboard flame cut ribs.
			1. Ribs must be ½-inch thick minimum.
			2. Ribs to be one-piece. Spliced ribs are unacceptable.
			G. A halogen spotlight that is fixed for wing operation is required. Unit will be a six inch diameter, round or rectangular shaped light mounted on cab shield. Mounting of light will allow light beam to be directed to heel of wing moldboard in operating position.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	2. MOUNTING REQUIREMENTS
			A. Wing must be able to be mounted to work in conjunction with a State provided reversible plow or a one way plow.
			B. Rear push arm frame assembly shall be designed for mounting on a chassis so that it is not necessary to require additional cab to body spacing.
			C. Two adjustable length push arm assemblies shall be required.
			D. Upper push arm shall have an extension spring and slide assembly to allow moldboard to trip.
			E. The wing shall be able to be mounted so that it will fold closely to the truck and shall be provided with a safety chain on the heel to secure the wing in a folded position for travel.
			F. When the wing is in the lowered plowing position, the wing shall provide sufficient tire clearance for turning left and right.
			G. All necessary parts, brackets, hardware, fittings etc. for complete and satisfactory installation of wing shall be furnished.
			H. The upper push arm shall have a built-in slide assembly for the rear cylinder pickup and attachments for rear spring assembly.
			I. The wing heel lift cylinder shall be 3 inch x 15-inch minimum.
			1. The rod diameter shall be a minimum of 2 inch and be double acting.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	3. WING POST
			A. The front post shall be fabricated from a 3/8 inch thick T1 steel and must be made of two interlaced side flanges and a center web plate for additional strength.
			B. It shall be fabricated and reinforced in such a manner to all the full travel of the front slide plate from the top to the bottom.
			C. The front slide plate must be a minimum of ½" thick steel and incorporate a minimum of 5 inches mechanical float.
			D. The slide plate must be welded in permanently.
			E. The wing post cross tube is to be a minimum of 5 inch x 7 inch x 3/8 inch thick wall tubing.
			F. The front wing post shall be attached to the frame of the truck with ½-inch side plates bolted to the front frame extension of the truck.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	4. HYDRAULICS
			A. To be compatible with the truck hydraulics. Two stack valve sections are required for satisfactory operation of the wing.
			B. Needs to be compatible with Joystick Control as specified in main body.
			C. Toe cylinder hydraulic hoses shall be furnished with couplers as specified in the main body. Quick coupler connect shall be made via bulkhead fittings mounted through a ¼-inch thick plate welded to the stationary portion of the snow plow push frame. Quick couplers shall not be installed directly to cylinder.
			D. All the appropriate hydraulic cylinders, fittings, hardware, and other parts necessary for mounting shall be furnished.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	5. WEIGHT OF ATTACHMENT
			A. Maximum advertised weight of complete wing assembly (front wing post, moldboard and push tubes) 2,800 pounds.
			B. Components listing with all weights for complete assembly including frames to be provided prior to bid award.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	6. SUSPENSION
			A. Vendor needs to add aftermarket air bag on right side to compensate for extra right side weight of wing.
			B. Size to be installed so when air bag inflated, unit sets level when wing is raised in folded back position.

NOTES/COMMENTS:

YES	NO	NO & PROVIDE ALTERNATIVE	7. MANUALS
			A. One operators manual must be furnished at time of delivery with each unit.
			B. All manual(s) must be furnished prior to payment and delivered to Fleet Management, Equipment Data Coordinator. Failure to deliver all manuals that are ordered may result in non-payment of ten percent of purchase order total until all manuals are delivered.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	8. COLOR
			A. Wing moldboard is to be painted black. Power coating is preferred.
			B. Moldboard plowing surface to be aluminum paint.
			C. All attaching components of the wing are to be painted black. Powder coating is preferred.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	9. WARRANTY
			A. Manufacturer's standard warranty shall apply and be for at least one year.
			B. Dealer's decals, stickers or other signs shall not be on unit(s); manufacturer's nameplates, stampings and other similar signs are acceptable.
NOTES/COMMENTS:			

ATTACHMENT – LEFT HAND MID-MOUNT PATROL WING

Meets Specification.

YES	NO	NO & PROVIDE ALTERNATIVE	1. MOUNTING
			A. Wing shall be mounted behind cab and forward of tandem axle on driver's side of chassis. Wing mounting will not interfere with entry into cab.
			B. Chassis vendor and body vendor will be responsible for repositioning components such as fuel tank, battery box, air tanks, etc. to allow for ample free area for proper mounting of wing frame to left hand side of chassis.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	2. WING
			A. Wing to have a minimum 8 - foot long moldboard.
			B. Height of Moldboard inboard shall be minimum 24 inches and outboard height shall be a minimum 28 inches. Measurements include the eight inch cutting edge installed.
			C. Moldboard thickness to be minimum 3/16 inch. 1. Moldboard to be made of commercial grade A36 steel or equivalent.
			D. Cutting edge of 5/8 inch by 8 inches, AASHTO punched.
			E. Moldboard bottom angle or base angle shall be a minimum 4 inch x 4 inch by 3/4 inch structural angle with a triangle shaped 3" x 3" x ½" plate gusset between each bolt hole.
			F. Minimum seven moldboard flame cut ribs. 1. Ribs must be 3/8-inch thick minimum. 2. Ribs to be one-piece. Spliced ribs are unacceptable. 3. Ribs are to be continuously welded.
			G. Moldboard top formed channel shall be a minimum 2 1/2" x 1".
			H. Wing light position to light moldboard mount as not to reflect off exhaust.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	3. PUSH ARM
			A. The outer tube of the push arm is to be a minimum 3 ½" O.D. schedule 80 pipe.
			B. The inner shaft shall be a solid 2 7/8" O.D. – 1045 steel shaft.
			C. The wing shall have a single spring cushioned push arm.
			D. The push arm shall be adjustable and have a safety shear pin.
			E. Both ends of the arm will have fabricated pivot blocks.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	4. WING POST
			A. The front wing cross tube shall be fabricated from 4” x 6” x ½” wall structural tube which spans both frame rails of the truck.
			B. The outboard end of the cross tube shall be constructed from 7” structural I-beam with a minimum 3 5/8” flange vertically attached so as to be the foundation of a front wing post assembly.
			C. The I-beam shall be reinforced with two fully welded diagonal pieces of 3” x 3/8” steel bar from the cross tube to the I-beam. These shall be further reinforced with a 1” x ½” piece of steel bar welded to the face.
			D. The front mast slide to be ¾” plate steel and is a minimum of 5 7/8” wide.
			E. The front of the moldboard shall be mounted to the front slide plate with a single 1-1/2” diameter grade #5 bolt with a top lock nut. The slide plate to allow for 5 inch float.
			F. The front cross tube shall be mounted under the truck frame and supported by two steel plates a minimum of ½” x 12” x 24”.
			G. The front of the wing is raised by a single 4”ID x 12” double acting lift cylinder.
			H. The cylinder attaches to the backside of the front mast at the top with a 1-1/4” grade #5 bolt and at the bottom with a minimum1” diameter pin. It is mounted through two gussets welded to both the I-beam and cross tube for structural rigidity.
			I. The slide assembly will allow mounting of the moldboard by means of a ¾” reinforced steel plate approximately 10” x 18” which is mounted to the slide assembly with a single heat treated steel pin approximately 1-1/2” x 12”.
			J. The rear wing cross tube assembly shall be fabricated from 6” x 4” x ½” mild steel tubing.
			K. The cross tube shall be mounted underneath truck by two steel mounting plates approximately 12” x 28” x ½” with flame cut holes for the cross tube to pass through.
			L. The rear lift wing cylinder shall be a single 4” ID x 10” double acting hydraulic cylinder attached to the moldboard’s mechanical float linkage. 1. No cable or chains acceptable, hydraulically operated only. 2. The moldboard/wing heel lift cylinder shall have a lock valve to prevent wing from falling in event of failed hoses.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	5. HYDRAULICS
			A. To be compatible with the truck hydraulics. Two stack valve sections are required for satisfactory operation of the wing.
			B. Needs to be compatible with Joystick Control as specified in main body.
			C. Toe cylinder hydraulic hoses shall be furnished with one of the listed flat face quick couplers (33.F.1.a.) Quick coupler connect shall be made via bulkhead fittings mounted through a 1/4-inch thick plate welded to the stationary portion of the snow plow push frame. Quick couplers shall not be installed directly to cylinder.
			D. All the appropriate hydraulic cylinders, fittings, hardware, and other parts necessary for mounting shall be furnished.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	**6. MANUALS**
			A. One operator manual must be furnished at time of delivery with each unit.
			B. All manual(s) must be furnished prior to payment and delivered to Fleet Management, Equipment Data Coordinator. Failure to deliver all manuals that are ordered may result in non-payment of ten percent of purchase order total until all manuals are delivered.
NOTES/COMMENTS:			

YES	**NO**	**NO & PROVIDE ALTERNATIVE**	**7. COLOR**
			A. Wing moldboard is to be painted black except plowing surfaces to be painted aluminum. Powder coating is preferred.
			B. All attaching components of the wing are to be painted black. Powder coating is preferred.
NOTES/COMMENTS:			

YES	**NO**	**NO & PROVIDE ALTERNATIVE**	**8. WARRANTY**
			A. Manufacturer's standard warranty shall apply and be for at least one year.
			B. Dealer's decals, stickers or other signs shall not be on unit(s); manufacturer's nameplates, stampings and other similar signs are acceptable.
NOTES/COMMENTS:			

ATTACHMENT – RIGHT HAND MID-MOUNT PATROL WING

Meets Specification.

YES	NO	NO & PROVIDE ALTERNATIVE	1. WING
			A. Wing to have a minimum 8 - foot long moldboard.
			B. Height of Moldboard inboard shall be minimum 24 inches and outboard height shall be a minimum 28 inches. Measurements include the eight inch cutting edge installed.
			C. Moldboard thickness to be minimum 3/16 inch. 1. Moldboard to be made of commercial grade A36 steel or equivalent.
			D. Cutting edge of 5/8 inch by 8 inches, AASHTO punched.
			E. Moldboard bottom angle or base angle shall be a minimum 4" x 4" x ¾" structural angle with a triangle shaped 3" x 3" x ½" plate gusset between each bolt hole.
			F. Minimum seven moldboard flame cut ribs. 1. Ribs must be 3/8-inch thick minimum. 2. Ribs to be one-piece. Spliced ribs are unacceptable. 3. Ribs are to be continuously welded.
			G. Moldboard top formed channel shall be a minimum 2 1/2" x 1".
			H. Wing light position to light moldboard mount as not to reflect off exhaust.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	2. PUSH ARM
			A. The outer tube of the push arm is to be a minimum 3 ½" O.D. schedule 80 pipe.
			B. The inner shaft shall be a solid 2 7/8" O.D. – 1045 steel shaft.
			C. The wing shall have a single spring cushioned push arm.
			D. The push arm shall be adjustable and have a safety shear pin.
			E. Both ends of the arm will have fabricated pivot blocks.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	3. WING POST
			A. The front wing cross tube shall be fabricated from 4" x 6" x ½" wall structural tube which spans both frame rails of the truck.
			B. The outboard end of the cross tube shall be constructed from 7" structural I-beam with a minimum 3 5/8" flange vertically attached so as to be the foundation of a front wing post assembly.
			C. The I-beam shall be reinforced with two fully welded diagonal pieces of 3" x 3/8" steel bar from the cross tube to the I-beam. These shall be further reinforced with a 1" x ½" piece of steel bar welded to the face.
			D. The front mast slide to be ¾" plate steel and is a minimum of 5 7/8" wide.
			E. The front of the moldboard shall be mounted to the front slide plate with a single 1-1/2" diameter grade #5 bolt with a top lock nut. The slide plate to allow for 5 inch float.

			F. The front cross tube shall be mounted under the truck frame and supported by two steel plates a minimum of ½" x 12" x 24".
			G. The front of the wing is raised by a single 4"ID x 12" double acting lift cylinder.
			H. The cylinder attaches to the backside of the front mast at the top with a 1-1/4" grade #5 bolt and at the bottom with a minimum1" diameter pin. It is mounted through two gussets welded to both the I-beam and cross tube for structural rigidity.
			I. The slide assembly will allow mounting of the moldboard by means of a ¾" reinforced steel plate approximately 10" x 18" which is mounted to the slide assembly with a single heat treated steel pin approximately 1-1/2" x 12".
			J. The rear wing cross tube assembly shall be fabricated from 6" x 4" x ½" mild steel tubing.
			K. The cross tube shall be mounted underneath truck by two steel mounting plates approximately 12" x 28" x ½" with flame cut holes for the cross tube to pass through.
			L. The rear lift wing cylinder shall be a single 4" ID x 10" double acting hydraulic cylinder attached to the moldboard's mechanical float linkage. 1. No cable or chains acceptable hydraulically operated only. 2. The moldboard/wing heel lift cylinder shall have a lock valve to prevent wing from falling in event of failed hoses.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	4. HYDRAULICS
			A. To be compatible with the truck hydraulics. Two stack valve sections are required for satisfactory operation of the wing.
			B. Needs to be compatible with Joystick Control as specified in main body.
			C. Toe cylinder hydraulic hoses shall be furnished with one of the listed flat face quick couplers (33.F.1.a.). Quick coupler connect shall be made via bulkhead fittings mounted through a 1/4-inch thick plate welded to the stationary portion of the snow plow push frame. Quick couplers shall not be installed directly to cylinder.
			D. All the appropriate hydraulic cylinders, fittings, hardware and other parts necessary for mounting shall be furnished.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	5. MANUALS
			A. One operator manual must be furnished at time of delivery with each unit.
			B. All manual(s) must be furnished prior to payment and delivered to Fleet Management, Equipment Data Coordinator. Failure to deliver all manuals that are ordered may result in non-payment of ten percent of purchase order total until all manuals are delivered.

NOTES/COMMENTS:

YES	NO	NO & PROVIDE ALTERNATIVE	6. COLOR
			A. Wing moldboard is to be painted black except plowing surfaces to be painted aluminum. Powder coating is preferred.
			B. All attaching components of the wing are to be painted black. Powder coating is preferred.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	7. WARRANTY
			A. Manufacturer's standard warranty shall apply and be for at least one year.
			B. Dealer's decals, stickers or other signs shall not be on unit(s); manufacturer's nameplates, stampings and other similar signs are acceptable.
NOTES/COMMENTS:			

ATTACHMENT – HIGH BENCHING WING

This option shall meet or exceed the following requirements, which are exceptions to above specification.

YES	NO	NO & PROVIDE ALTERNATIVE	1. WING
			A. Right hand wing, full hydraulic with overall length of about 11 feet.
			B. Wing will have overall length of about 11 feet. 1. Cutting edge of ½ inch by 8 inches and reversible. 2. Moldboard thickness minimum 8 gauge. 3. Front frame mounted. 4. AASHTO punched. 5. Hydraulically operated including rear slide. Front and rear of wing shall be of power-down type. a. Hydraulic stack valve assembly shall have a four way section added for operation of rear slide. Provision shall be made in joystick for control of this function. b. The moldboard/wing heel lift cylinder shall have a safety lock valve to prevent wing from falling in event if failed hoses. 6. Full trip moldboard type. 7. Skid plate of bottom of front wing post with sloped front and back is required. 8. Skids to be minimum ½ inch thick and have a total width of at least four inches. 9. Minimum benching height shall not be less than 54 inches.
			C. Color of wing to be painted flat black except plowing surfaces to be aluminum.
			D. Cab shield may be attached to wing mast frame and sturdily reinforced. Assembly shall be constructed and bolted to frame rails with appropriate size and number of Grade 8 bolts in which case the assembly shall be sturdily braced.
NOTES/COMMENTS:			

ATTACHMENT – V-PLOW WITH V-PLOW HITCH

This option shall meet or exceed the following requirements, which are exceptions to above specification.

YES	NO	NO & PROVIDE ALTERNATIVE	1. V-PLOW
			A. Will be a Monroe, Viking, Henke, Henderson, Falls or equivalent quick hitch with 14 inch pin height, approved in writing by Fleet Management prior to bid opening. Indicate: _____.
			B. Unit will have a 9 foot cutting width.
			C. Appropriate moldboard spread for rest of plow. State spread _____.
			D. Approximate 4 foot nose height.
			E. Approximate 6 foot 9 inch height at rear of moldboard.
			F. Minimum 8 gauge moldboard thickness and approximate weight of 2,500 pounds.
			G. Skid shoes will have maximum, feasible number of tungsten carbide inserts of minimum 3/16 inch thickness on bottom surface.
			H. V-plow will have minimum 10 inch ground clearance in raised position.
			I. V-plow will be painted flat black except plowing surface of aluminum color.
			J. V-Plow shall be fully mounted at the body builder, tested for proper fit and operation prior to shipment to NDOR.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	2. PLOW MOUNTING
			A. Hitch will be mounted for both wing and plow(s) using Grade 8 bolts.
			B. Will include ½ inch thick steel, bolted-on, hydraulic pump guard at front part of hitch.
			C. V-plow and wing shall be mounted on unit if required.
			D. Front part of wing shall be capable of full vertical travel range, without interference from V-plow or fender, when the V-plow is in either raised or lowered position.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	3. HEAVY DUTY SNOW PLOW HITCH (In lieu of hitch from main specification)
			A. Shall be heavy duty, power tilt design with quick hitch type with minimum four (4) inch hydraulic cylinder and 14 inch pin height.
			1. Pivot pin of lift arm to be 48-54 inches above quick connect pin.
			2. Compatible with V-Plow being supplied and for use with one-way snow plow.
			B. Hitch will include attaching pins and A-frame lift arm with lifting lug or clevis.
			C. All thrust loads must be transferred to chassis frame and not to chassis axle or spring assemblies.
			D. The crankshaft driven pump must be supported and protected by this hitch assembly.

			E. Hitch to be made so that tilting hood/fenders will tilt fully forward with mast in tilted position.
			F. Hitch will be installed with Grade 8 bolts to chassis and as per hitch manufacturer's recommendations.
			G. A drawing of hitch to include material specifications of materials used shall be provided prior to bid award.
			1. Pump shall be located as reasonably close as possible to chassis components after bumper removal.
			2. Bumper to be put in dump body when delivered. All mounting brackets and hardware shall be left intact with bumper and shall be delivered with the same truck as which it was removed from.
NOTES/COMMENTS:			

ATTACHMENT – V-PLOW WITH V-PLOW HITCH WITHOUT V-PLOW

This option shall meet or exceed the following requirements, which are exceptions to above specification.

YES	NO	NO & PROVIDE ALTERNATIVE	1. SNOW PLOW HITCH (In lieu of hitch from main specification)
			A. Shall be heavy duty, power tilt design with quick hitch type with minimum four (4) inch hydraulic cylinder and 14 inch pin height.
			1. Pivot pin of lift arm to be 48-54 inches above quick connect pin.
			2. Recommended by V-Plow and one-way snow plow manufacturer for use on proposed chassis.
			B. Hitch will include attaching pins and A-frame lift arm with lifting lug or clevis.
			C. All thrust loads must be transferred to chassis frame and not to chassis axle or spring assemblies.
			D. The crankshaft driven pump must be supported and protected by this hitch assembly.
			E. Shall be heavy duty, power tilt design with quick hitch type with minimum four (4) inch hydraulic cylinder and 14 inch pin height.
			1. Pivot pin of lift arm to be 48-54 inches above quick connect pin.
			2. Compatible with V-Plow being supplied and for use with one-way snow plow.
			F. Hitch will be installed with Grade 8 bolts to chassis and as per hitch manufacturer's recommendations.
			G. A drawing of hitch to include material specifications of materials used shall be provided prior to bid award.
			1. Pump shall be located as reasonably close as possible to chassis components after bumper removal.
			2. Bumper to be put in dump body when delivered. All mounting brackets and hardware shall be left intact with bumper and shall be delivered with the same truck as which it was removed from.
NOTES/COMMENTS:			

MISCELLANEOUS

Meets Specification.

YES	NO	NO & PROVIDE ALTERNATIVE	1.	MOTOR VEHICLE INDUSTRIES REGULATION ACT
			A.	All Bidders must comply with the licensing requirements for motor vehicle dealers established under the Motor Vehicle Industries Regulation Act, Nebraska Revised Statutes, § Chapter 60, Article 14 at time of bid. Bids will only be accepted from Bidders who are fully compliant with the Motor Vehicle Industries Regulation Act, Chapter 60, Article 14.
NOTES/COMMENTS:				

YES	NO	NO & PROVIDE ALTERNATIVE	2.	ANNUAL USAGE, ESTIMATED
			A.	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. Vendor shall not impose minimum order requirements.
NOTES/COMMENTS:				

YES	NO	NO & PROVIDE ALTERNATIVE	3.	USAGE REPORT
			A.	The vendor shall, upon request by the State of Nebraska, provide an annual usage report of this contract by state agencies. Information will include agency name, item, and dollar amount. Information may be requested at any time by the State Purchasing Bureau, but may typically be requested at the end of the contract period or upon renewal of the contract, or at other intervals (monthly, quarterly, etc.) as determined by the State.
NOTES/COMMENTS:				

YES	NO	NO & PROVIDE ALTERNATIVE	4.	ORDERS
			A.	Orders will be placed either by, phone, fax, e-mail or Internet (if available and not to the exclusion of the other methods). All orders must reference a purchase order number and the purchase order number must be referenced on the packing slip, and invoice. Invoices are to be sent to the “Invoice to” address on the purchase order.
NOTES/COMMENTS:				

YES	NO	NO & PROVIDE ALTERNATIVE	5.	QUALITY
			A.	Product quality must meet specifications and be consistent for the term of the contract. A guarantee of satisfactory performance by the supplier and meeting delivery dates are considered to be an integral part of the purchase contract resulting from this bid invitation. 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. 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:				

YES	NO	NO & PROVIDE ALTERNATIVE	6.	PRICES
			A.	Price quoted shall be unit price and shall be firm for one hundred eighty (180) days from date of an award and are to be net; including transportation and delivery charges fully prepaid by the Bidder F.O.B. Destination as specified. No additional charges will be allowed for packing, handling, fuel surcharge, or partial delivery costs. Any Invitation To an increase must be submitted in writing to the State Purchasing Bureau a minimum of 30 days prior to proposed effective date of increase, and must show cause and be accompanied by supporting documentation (such as notification letter from manufacturer). Further documentation may be required by the State, to authenticate the increase (such as manufacturer invoices). Failure to supply any requested supporting documentation may be grounds to cancel the contract. The State further reserves the right to reject any proposed price increase(s), cancel the contract and re-bid if determined to be in the best interest of the State. The State will be given full proportionate benefit of any decrease for the term of the contract. No price increases are to be billed to any State Agencies without prior written approval by the State Purchasing Bureau. Contract supplier or suppliers may honor pricing and extend the contract to political sub-divisions, cities, and counties. Terms and conditions of the contract must be met by political sub-divisions, cities, and counties.
NOTES/COMMENTS:				

YES	NO	NO & PROVIDE ALTERNATIVE	7.	AUTHORIZED DEALER & WARRANTY
			A.	To the extent required by the manufacturer, the Bidder shall be an authorized dealer. Bidder may be required to substantiate that he/she is an authorized dealer. Proof, if required, must be submitted to the State Purchasing Bureau within three (3) days of the request and prior to the award of any contract. 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:

YES	NO	NO & PROVIDE ALTERNATIVE	8. SUBSTITUTIONS
			A. Vendor will not substitute any item that has been awarded without prior written approval of State Purchasing Bureau.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	9. SECRETARY OF STATE REGISTRATION REQUIREMENTS *Prior to contract award and/or upon request of SPB, potential award recipient(s) will be asked to certify compliance with Nebraska Secretary of State Registration by providing a true and exact copy of current (dated within 90 days) valid Certificate of Good Standing or Letter of Good Standing.
			A. Bidder is a SOLE PROPRIETORSHIP (in which case, no Letter of Good Standing/Certificate of Good Standing is required). If the Bidder is an Individual or Sole Proprietorship, the following applies: **1.** The Bidder must complete the United States Citizenship Attestation Form, available on the Department of Administrative Services website at: http://das.nebraska.gov/materiel/purchasing.html The completed United States Attestation Form should be submitted with the Invitation to Bid response. **2.** If the Bidder indicates on such attestation form that he or she is a qualified alien, the Contractor agrees to provide the US 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 Bidder 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.
			B. Bidder is a GENERAL PARTNERSHIP (in which case, no Letter of Good Standing/Certificate of Good Standing is required).
			C. Bidder is a FOREIGN or DOMESTIC CORPORATION or BUSINESS and a copy of current Letter of Good Standing/Certificate of Good Standing from the Nebraska Secretary of State is provided within bid submission documents.
			D. Bidder is a FOREIGN or DOMESTIC CORPORATION or BUSINESS and a copy of current Letter of Good Standing/Certificate of Good Standing from the Nebraska Secretary of State will be provided in a timely manner upon request prior to award.
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	10. BID COMPLIANCE
			A. Specifications have been fully read and fully understood. Any exceptions have been written on the bid or attached.
NOTES/COMMENTS:			

Form A
Bidder Contact Sheet
Invitation To Bid Number 5228 OF

Form A should be completed and submitted with each response to this Invitation to Bid. This is intended to provide the State with information on the Bidder's name and address, and the specific person(s) who are responsible for preparation of the Bidder's response.

Preparation of ITB Contact Information	
Bidder Name:	
Bidder Address:	
Contact Person & Title:	
E-mail Address:	
Telephone Number (Office):	
Telephone Number (Cellular):	
Fax Number:	

Each Bidder shall also designate a specific contact person who will be responsible for responding to the State if any clarifications of the Bidder's response should become necessary.

Communication with the State Contact Information	
Bidder Name:	
Bidder Address:	
Contact Person & Title:	
E-mail Address:	
Telephone Number (Office):	
Telephone Number (Cellular):	
Fax Number:	

Form B
Notification of Intent to Attend Pre-Bid Conference
Invitation To Bid Number 5228 OF

Bidder Name:	
Bidder Address:	
Contact Person:	
E-mail Address:	
Telephone Number:	
Fax Number:	
Number of Attendees:	

The "Notification of Intent to Attend Pre-Bid Conference" form should be submitted to the State Purchasing Bureau via e-mail (as.materielpurchasing@nebraska.gov), facsimile (402-471-2089), hand delivered or US Mail by the date shown in the Schedule of Events.