

Pete Ricketts, Governor

ADDENDUM ONE

Date: January 9, 2015
To: All Bidders
From: Annette Walton, Buyer
State Purchasing Bureau
RE: Addendum for ITB Number 4883 OF
to be opened February 06, 2015 at 2:00 p.m.

This Addendum revises the Specifications of Invitation to Bid 4883 OF, Motor Grader and Accessories, to include Section 3 "Engine" (see attached).

This addendum will become part of the ITB and should be acknowledged with the Invitation to Bid

**STATE OF NEBRASKA - Commodity Contract
DEPARTMENT OF ROADS**

**Terms and Conditions for MOTOR GRADER &
ATTACHMENTS 4883 OF**

C02-14

EAMS-C02

SCOPE

It is the intent of this bid to establish a contract to supply and deliver **Motor Grader & Attachments** to the State of Nebraska as per the attached specifications and terms and conditions for a one (1) year period beginning from date of contract award with the option to renew for four (4) additional one (1) year periods when mutually agreeable with 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.

ALL EQUIPMENT BID FOR THIS **MOTOR GRADER & ATTACHMENTS INVITATION TO BID** SHALL BE OF THE LATEST CURRENT MODEL, OF PROVEN PERFORMANCE AND UNDER STANDARD PRODUCTION BY THE MANUFACTURER AND IS TO BE OF STANDARD DESIGN, COMPLETE AS REGULARLY ADVERTISED AND MARKETING INCLUDING ALL SPECIFIED ACCESSORIES, TOOLS AND SPECIAL FEATURES. All necessary parts for satisfactory operation of the equipment shall be incorporated into the **Motor Grader & Attachments** whether or not they may be specifically mentioned below.

Complete detailed 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 Invitation to Bid on the IDENTICAL equipment 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 A/D OR ADVERTISING DATA SHEETS, SHOULD BE SUPPLIED IN WRITING ON OR ATTACHED TO THE BID DOCUMENT. The Motor Grader & Attachments must meet or exceed the following requirements.

LIFE-CYCLE COST

Life-cycle cost information will be captured in a formula to allow a comparison between the price based on acquisition costs and the price based on life cycle costs.

Vendors must provide a price based on acquisition costs according to specifications. Vendors will not be required to submit a price based on life-cycle costs. In order for a vendor submission to be considered on the basis of life cycle costs, the Bidder must supply the information requested on the Life-Cycle Cost Analysis for Heavy Equipment / Vendor Submission form provided by the State Purchasing Bureau. Life-cycle cost information considered for purposes of a bid will include only the life-cycle cost information as submitted with the bid by the Vendor. The State Purchasing Bureau will not add any additional information or stipulate to the creditability of any information provided and /or not provided in the form. If a Vendor fails to complete any of the information requested for a bid price based on life-cycle costs, the bid will be disqualified from further consideration for a contract based on life-cycle costs. The Vendor's bid based on acquisition costs will be considered if the requirements of that bid are met independently of the bid based on life-cycle costs.

Life-cycle cost comparisons will be based upon the Life-Cycle Cost per Hour, which will be calculated using information provided by the Bidders and the State as indicated in the Life Cycle Cost Analysis Form.

Life-Cycle Information Certification

The Bidder or authorized representative will be required to sign the Life-Cycle Cost Analysis – Heavy Equipment Vendor Submission form and certify that the information is true and accurate. Additionally, the Bidder is informed on the form that a Vendor Performance Report may be submitted by the purchasing agency and possible suspension may occur if the data provided proves to be inaccurate throughout the life of the equipment bid.

Contract Awards

State Purchasing Bureau may award multiple contracts meeting specification: one based on low acquisition cost and one based on life-cycle cost. If no life-cycle cost bid is submitted, the award will only be based on acquisition cost.

Contract Selection by Procuring Agency

The procuring agency may select either contract: low acquisition cost contract or the life-cycle cost contract. The procuring agency will generate a purchase order from one of the contracts and include an attachment with a statement of explanation indicating the basis for the selection signed by the Agency Director.

NON-COMPLIANCE STATEMENT

Read these specifications carefully. Any and all exceptions to these specifications must be written on or attached to quotation request. Any non-compliance may void your bid. Non-compliance to any single specification may void your bid.

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.

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 request for 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).

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.

POLITICAL SUB-DIVISIONS

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. Under no circumstances shall the State of Nebraska be contractually obligated or liable for any purchases by political sub-divisions, cities or counties.

SECRETARY OF STATE

Contract or purchase order awards may be limited to bidders authorized to transact business in the State of Nebraska. All awarded 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 expected recipient of an award recommendation will be required to certify that it has so complied and produce a true and exact copy of its current (dated within 90 days), valid Certificate of Good Standing or Letter of Good Standing; or in the case registration is not required, to provide, in writing, the reason as to why none is required and complete the Individual or Sole Proprietor United States Attestation Form. This must be accomplished prior to the award of the contract or purchase order. Further, all bidders shall comply with any and all other applicable Nebraska statutes regarding transacting business in the State of Nebraska. In order to expedite the award process, bidders are encouraged to submit their valid Certificate of Good Standing or Letter of Good Standing with their bid.

AWARD

All purchases, leases, or contracts which are based on competitive bids will be awarded to the lowest responsible bidder, determined according to the provision of State Statute Section 81-161, R.R.S 1943. The State reserves the right to 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. All awards will be made in a manner deemed in the best interest of the State.

ASSIGNMENT OF CONTRACT

The vendor will not assign, transfer or sub-contract any portion of this contract without the prior written consent of the State of Nebraska.

SUBSTITUTIONS

The vendor will not substitute any item that has been awarded without prior approval of State Purchasing Bureau.

ESTIMATED USAGE

Quantities shown are estimated only and are not to be construed as either a minimum or maximum purchase quantity. The State of Nebraska reserves the right to increase or decrease any quantities shown. The **Motor Grader & Attachments** will be ordered on an as-needed basis with no minimum order requirements.

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.

AMENDMENT

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

TERMINATION

This contract may be terminated at any time upon the mutual consent of the parties, or by the State of Nebraska with or without cause and/or consent upon thirty (30) days written notice.

TAXES

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.

PRICES

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 request for 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.

QUALITY

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.

AUTHORIZED DEALER AND WARRANTY

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.

WARRANTY

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.

ORDERS/INVOICES

The ordering entity will submit their orders directly to the contractor on an as needed basis, using their own standard purchase order form. Orders may be placed by phone, fax, mail, or Internet (if available). All orders must reference a purchase order number, and the purchase order must be referenced on the invoice. All invoices are to be sent to the address shown on the purchase order.

PAYMENT

Payment will be made in conjunction with the State of Nebraska Prompt Payment Act §81-2401 through 2408. Payment shall be within 45 days of receipt of service or invoice, whichever is received later. 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 services provided by the contractor prior to the Effective Date, and the contractor hereby waives any claim or cause of action for any such services.

BREACH OF CONTRACT

If the Contractor breaches this Contract, the State of Nebraska may, at its discretion, terminate the Contract immediately upon written notice to the Contractor. The State of Nebraska shall pay the Contractor only for such performance as has been properly completed and is of use to the State of Nebraska. The State of Nebraska may, at its discretion, contract for provision of the goods or services required to complete this Contract and hold the Contractor liable for all expenses incurred in such additional contract over and above the total cost of performance. This provision shall not preclude the pursuit of other remedies for breach of contract as allowed by law.

USAGE REPORT

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.

DELIVERY

Delivery is to be between 9:00 AM and 3:00 PM (CST), Monday through Friday (excluding State holidays and/or as otherwise directed).

The Department of Roads requires 24-hour advance notice of delivery to Fleet Management at (402) 479-4319 or 4323. Deliveries must be clearly marked with the purchase order number. If delays in delivery are anticipated, the contractor will immediately notify the buyer at the Department of Roads of the expected delivery date. The order may be canceled if the delivery date is unsatisfactory, and the State may procure item(s) from other sources and the contractor may be held responsible for any/all excess cost. Deliveries quoted beyond 60 days may be an award consideration.

At the time of delivery, a designated State of Nebraska employee will sign the "invoice/packing slip". This signature will only indicate that the order has been received and that the items actually delivered agree with the delivery invoice. This signature does not indicate all items were received in good condition and/or that there is not possible hidden damage. Deliveries must be clearly marked with the purchase order number.

Units are to be bid F.O.B. Destination for delivery at 5001 South 14th Street, Lincoln, Nebraska.

CUSTOMER SERVICE

The vendor shall list the name, phone number and e-mail address of the customer service representative who will be assigned to service the State of Nebraska's account:

Customer Service Rep: _____

Phone Number: _____

Email Address: _____

Specifications for MOTOR GRADER & ATTACHMENTS 4883 OF

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. A “YES” response means the bidder guarantees they can meet this condition. A “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 vendor’s alternative is an acceptable alternative.

YES	NO	NO & PROVIDE ALTERNATIVE	1. QUALITY
			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 and for the duration of the contract with no additional charges for shipping or restocking.
NOTES/COMMENTS: _____ _____			

YES	NO	NO & PROVIDE ALTERNATIVE	2. PRICE
			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 request for 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	3. ENGINE
			A. Diesel engine of variable horsepower design with minimum of 9.0 liter displacement.
			B. Minimum of 170 net HP in first gear and a minimum of 230 net HP in 8 th gear at a governed speed; not to exceed 2500 RPM. Engine performance requirement to be in accordance with SAE J1349 standard conditions.
			1. Engine to be Tier IV final.
			2. Peak engine torque to be minimum 800 lbs.
			C. Engine shall be equipped with a dual element air cleaner.
			D. Turbo II or Centri brand pre-cleaner, or an equivalent O.E.M. supplied rotary ejection style pre-cleaner is required. Brand bidding _____
			E. Full flow oil filter(s)
			F. Vertical exhaust stack with counter-balanced rain cap or elbowed exhaust.
			G. Engine cowling side panels will be required.
			H. Muffler required.
			I. A subzero starting device.
			1. Glow Plugs or other type of pre-heater for cold weather starting. Type bidding: _____
			2. KBI Dieselmatic with cartridge or equivalent with warm engine cutoff will be required if glow plugs or pre-heater are not furnished. Type bidding: _____
			3. For liquid cooled engines: A 120 volt AC coolant heater for block with sturdily-mounted male receptacle with cover that is located outside engine compartment is required
			J. Heavy duty radiator is required and shall be protected by an ethylene glycol base antifreeze to a temperature of no less than 34 degrees below zero Fahrenheit.
			K. Hydraulically driven variable speed fan with standard reversing if available from manufacturer. Clean-out access if non-reversing is not available.
			L. Environmental remote drain hoses for engine, transmission, hydraulics, differential and cooling system. Drains shall be placed in such location that drain pans can be placed directly beneath liquid stream.

NOTES/COMMENTS: _____

YES	NO	NO & PROVIDE ALTERNATIVE	4. GAUGES
			A. Engine temperature.
			B. Engine oil pressure.
			C. Ammeter or voltmeter; or alternate monitoring system with visual and audible warning. Alternate Monitoring System bidding: _____
			D. Fuel gauge required.
			E. Transmission oil temperature gauge or indicator.
			F. Hourmeter indicating the hours the engine operated; located with other gauges.
			G. Articulation indicator required. (if available from manufacturer.)
			H. Tachometer.
			I. All of the above shall be located in cab.
NOTES/COMMENTS: _____ _____			

YES	NO	NO & PROVIDE ALTERNATIVE	5. TRANSMISSION
			A. Direct drive.
			B. Power shift transmission with a minimum of 8 speeds forward and minimum of 6 speeds in reverse.
			C. Minimum road speed will be 20 MPH.
NOTES/COMMENTS: _____ _____			

YES	NO	NO & PROVIDE ALTERNATIVE	6. FRAME
			A. The motor grader shall be an articulated frame.
			B. Rear engine mounted type.
			C. Rear hitch or drawbar attached to frame system required.
			D. Full bottom and side guards for rear vehicle protection.
NOTES/COMMENTS: _____ _____			

YES	NO	NO & PROVIDE ALTERNATIVE	7. WEIGHT
			A. Data sheet base operating weight of unit with 14 foot moldboard and 14.00-R24 Michelin Sno-Plus tires are to be a minimum of 36,100 pounds. Base weight is to be without scarifier, ripper or other attached options. Please state weight in comment lines below.

NOTES/COMMENTS: _____

YES	NO	NO & PROVIDE ALTERNATIVE	8. CAB
			A. To be of sound-suppressed steel construction.
			B. Shall be manufacturer's standard low profile cab.
			C. Built-in ROPS and Three inch seat belt.
			D. Weather tight and have floor mats.
			E. All windshields, door and other glass to be safety type and tinted.
			F. Windows must permit a full view of the moldboard and the road in front, rear and each side of the machine.
			G. Cab shall be equipped with:
			1. Front electric windshield wiper and washer Wiper to be intermittent with switch if available from manufacturer.
			2. Rear window wiper and washer. Wiper to be intermittent with switch if available from manufacturer.
			3. Lower front window wiper and washer. Wiper to be intermittent with switch if available from manufacturer.
			4. Door locks.
			5. Minimum 30,000 BTU heater-defroster.
			6. Air Conditioning with R 134 Refrigerant.
			7. AM/FM Radio.
			8. Seats: Deluxe,
			a. adjustable
			b. cloth
			c. air suspension
			d. highback with head restraint
			e. seat with cushion
			9. Accelerator/decelerator pedal and hand throttle required.
			10. Foot steps and handholds to the cab will be required.
			11. Rearview mirrors shall be provided and mounted both inside and outside of the cab.
			12. Adjustable control console required.
			13. Hydraulic control valves will be located outside of cab.
NOTES/COMMENTS: _____			

YES	NO	NO & PROVIDE ALTERNATIVE	9. BRAKES
			A. Power-assisted, hydraulic type brakes on all 4 tandem wheels, and one of the following required.
			1. Discs on all four tandem wheels or
			2. A foot brake control or
			3. A parking brake that is hand or foot operated on transmission or in drive line is required.

NOTES/COMMENTS: _____

YES	NO	NO & PROVIDE ALTERNATIVE	10. TIRES AND WHEELS
			A. Steel belted radial.
			B. Tires to be mounted on 10 inch rims.
			C. Tires will not have tubes if available by manufacturer; bidder must state in bid what is proposed. Please state whether tubed or tubeless: _____
			D. Tires to be Michelin Sno-Plus 14.00-R24 Radial Tire. Any other tire bid, requires pre-approval by Fleet management prior to bid opening.
			E. Shall be left and right leaning wheel type controlled from the cab.

NOTES/COMMENTS: _____

YES	NO	NO & PROVIDE ALTERNATIVE	11. ELECTRICAL
			A. Grader to have a 24 volt system with a converter that must be furnished for existing Department of Roads' 12 volt mobile radios.
			1. Converter shall be a 25 amp converter with a relay for ignition switch. Please furnish information on type of converter being furnished. _____
			2. Converter must be installed per converter manufacturer's recommendations.
			B. Motor Grader to be equipped with head lights mounted near top of cab.
			C. Back-up lights, blade lights and stop/tail lights.
			D. Minimum 130 amp 24 volt alternator.
			E. Manufacturer's recommended starter.
			F. Manufacturer's recommended batteries, minimum of 2 batteries with 1,000 CCA rating each.
			G. An electronic, back-up alarm meeting OSHA requirements required.
			H. A horn is required.
			I. A 12 volt power port in the cab shall be furnished if available from manufacturer.
			J. Three switches are required for NDOR installation of strobe lights.
			1. Switches to be battery powered with either 12 or 24 volts.

			Please state supply voltage from switches. _____
			2. Factory installed switches in control panel preferred. Switches may be dealer installed in a convenient and visible location near the control panel. Strobe switches shall be located next to one another when installed.
			3. Switches shall have back drop illumination or indicator when turned on.
			K. All electrical components and wiring harnesses (i.e. blade float solenoid valves, work lights, front lift group solenoid valves, etc.) that are not enclosed within the operator's station or engine compartment shall have sealed wires and weather proof connectors. Shrink tubing placed over push on spade connectors will not be accepted.
NOTES/COMMENTS: _____ _____			

YES	NO	NO & PROVIDE ALTERNATIVE	12. FUEL TANK
			A. A minimum 100 gallon capacity fuel tank is required. State capacity _____
			B. DEF tank to be a minimum 5 gallons.
NOTES/COMMENTS: _____ _____			

YES	NO	NO & PROVIDE ALTERNATIVE	13. MOLDBOARD
			A. The moldboard shall be the manufacturer's 14 foot length that is ¾ inch or more in thickness with replaceable end bits.
			B. The moldboard is to be punched for AASHTO standard hole spacing, for cutting edges, and of a contour to permit the use of the 8 inch curved cutting edges.
			C. The moldboard must be power shift.
			D. Power tilt that swings out from under the frame at 90 degrees; cutting angle to the left and right.
			E. The circle and moldboard shall be provided with slack adjustment to compensate for wear.
			1. The circle to be equipped with a power side shift to permit blade to reach out left a minimum of 55 inches outside line of wheels and 72 inches right to permit picking up material from a windrow outside the line of the wheels.
			2. Moldboard tipping (pitch) will be hydraulically operated from the cab.
			3. Hydraulic valve for moldboard shall have a float position.
			4. The circle shall have a slip clutch or a hydraulic relief valve to minimize damage to circle in case of impact.
NOTES/COMMENTS: _____ _____			

YES	NO	NO & PROVIDE	14. DIFFERENTIAL
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		ALTERNATIVE	
			A. Operator controlled manual or automatic lock-unlock type to be furnished.
NOTES/COMMENTS: _____			

YES	NO	NO & PROVIDE ALTERNATIVE	15. QUICK HITCH-FRONT MOUNT
			A. Grader will be equipped with hydraulically activated locking pin type quick hitch.
			B. Quick Hitch shall be Rylind Motor Grader Parallel Lift Quick Hitch, Balderson BLHQ-12 or Balderson equivalent, Henke Parallel Lift Group or equivalent requires pre-approval in writing by Fleet Management prior to bid opening. Quick hitch shall be painted to match grader manufacturer's standard color of yellow. Bidding equivalent: _____
			C. All front mounted attachments shall fit this quick hitch style.
			D. Quick hitch will have all extra valve controls mounted in cab along with the regular valve bank within easy reach of the operator. Shall have all hydraulic valves and/or control solenoids mounted under cab with main stack valve; only hydraulic lines and/or hose at front of machine. These components shall have sealed wiring with weather proof connectors.
			E. Quick Hitch lifting circuit shall be provided with operator controlled float capability and automatic hydraulic lock.
NOTES/COMMENTS: _____			

YES	NO	NO & PROVIDE ALTERNATIVE	16. NOISE LEVEL
			A. Bidder shall supply with proposal the following decibel level per SAE Standards:
			1. Under full load in operator's position with doors and windows open. _____
			2. Under full load in bystander's position at 7.5 meters from rear of unit. _____
NOTES/COMMENTS: _____			

YES	NO	NO & PROVIDE ALTERNATIVE	17. SMV EMBLEM
			A. A slow moving vehicle emblem shall be mounted on the rear of the motor grader and displayed as required by Nebraska Statutes.
			B. Emblem mounting shall furthermore not restrict air flow for cooling purposes.

NOTES/COMMENTS: _____

YES	NO	NO & PROVIDE ALTERNATIVE	18. COLOR
			A. Motor grader standard manufacturer's yellow.
			B. V-plows and wing assemblies will be painted black. Gray or a yellow which closely matches grader manufacturer's standard yellow would also be acceptable.
NOTES/COMMENTS: _____ _____			

YES	NO	NO & PROVIDE ALTERNATIVE	19. MANUALS
			A. Operator's manual must accompany each unit delivered.
			B. Equipment shop repair manual required for each unit delivered.
			C. Engine shop repair manual required for each unit delivered.
			D. Equipment parts manual required for each unit delivered.
			E. Engine parts manual required for each unit delivered.
			F. All manual(s) must be furnished prior to payment and be 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	20. MISCELLANEOUS
			A. The bidders will submit with their proposal a list of any special tools they will furnish with each machine.
			B. Dealer's decals, stickers or other signs shall not be affixed to units; manufacturer's nameplates, stampings and other similar signs are acceptable.
			C. Dealer pre-delivery service required.
			D. Prior to the awarding of, or entering into any agreement or contract, it shall be the responsibility of the manufacturer and/or the successful bidder to warrant to the State of Nebraska, in writing, that it has factory authorized dealers in the State of Nebraska who will provide warranty/service and repair work without undue delay.
NOTES/COMMENTS: _____ _____			

YES	NO	NO & PROVIDE ALTERNATIVE	21. RADIO FREQUENCY SHIELDING – Caution!!
			A. The grader 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.
			B. The grader 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 parameters are not met due to degradation of signals caused by electromagnetic emissions from grader 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. Vendors shall have 30 days to resolve RFI issue.
			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 grader 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	22. WARRANTY
			A. Manufacturer's usual warranty shall apply, and shall be in effect for at least one year from the date the equipment was placed in service.
			B. Vendor shall be responsible for all repairs to include parts and labor during the 12 month usual warranty period.
			C. All transportation cost to and from the nearest authorized repair facility and travel time and mileage will be the responsibility of the vendor and/or manufacturer.
			D. The power train and engine shall be warranted for an additional five years. The vendor shall provide the following guarantees on this registered Motor Grader after 12 months from the date the unit was placed in service until the first of: (1) 5,000 operating hours or (2) 60 months.
			1. These guarantees are in addition to the standard 12 month warranty and do not have any effect upon the standard warranty.
			2. If the engine is not produced by the Motor Grader manufacturer, the vendor will guarantee that the engine will be repaired by a certified and registered engine warranty dealer or distributorship.
			E. The following power train components are warranted to be free from defects in workmanship and material during the extended warranty period:
			1. Engine (excluding radiator, alternator, starter, compressor and other attachments)

			2. Torque converter (if applicable), Transmission
			3. Drive shafts and Universal joints
			4. Differential
			5. Transfer gear group
			6. Drive axles
			7. Drive pumps
			8. Drive motors
			9. Pinion and bevel gear
			10. Final drive gear train (including sprockets)
			11. Computerized and electronic equipment.
			F. This warranty is limited to repair or replacement (including both parts and labor) of inspected parts determined to have been defective in material or workmanship. All extended power train warranty repairs will be performed by manufacturer's authorized service personnel. All machine transportation cost to and from the nearest authorized vendor repair facility and travel time and mileage during the extended warranty period will be the responsibility of the vendor and/or manufacturer. This warranty does not apply to normal maintenance service (such as engine tune-up) or normal replacement, service or wear items.
			G. Any oil sampling or other necessary testing needed to implement this warranty must be included in writing with this proposal. The Nebraska Department of Roads will do oil sampling if required by the manufacturer, but all materials must be furnished at no charge to the Department. A written report will be returned to Nebraska Department of Roads if sampling is required.
			H. This extended coverage is subject to the following conditions and limitations: (1) replacement parts provided are warranted for the remainder of the extended warranty period applicable to the product in which installed. (2) The machine may not be altered or modified in any manner which affects the mechanical operation as designed without written permission from the Nebraska Department of Roads.
			I. The following limitations shall be applicable to all guarantees.
			1. Parts ordered and machine repair request will occur during dealer's normal working hours.
			2. The parts and machine repair guarantees will not apply to machines which have been substantially damaged by collision, accident, flood, fire, vandalism or similar occurrence.
			3. The parts and machine repair guarantees will not apply to machines when delay results from strikes (dealer, supplier, or carrier), acts of God or other occurrences beyond vendor's reasonable control.
			J. If machine cannot be repaired within 30 days, a comparable loaner machine will be furnished to the State of Nebraska at no cost.
NOTES/COMMENTS: _____			

YES	NO	NO & PROVIDE ALTERNATIVE	23. SPECIFICATION FORM(S)
			A. Specification form(s) will be supplied by Department of Roads to the awarded contractor after a purchase order has been issued. The awarded contractor will be required to complete specification form to the fullest extent possible for each unit and must accompany each unit when delivered.
			B. If vendor does not properly complete form for each unit, a sum of \$250.00 per unit will be deducted from purchase order total.
NOTES/COMMENTS: _____			

YES	NO	NO & PROVIDE ALTERNATIVE	24. TRAINING
			A. Minimum of four hours per grader at various locations throughout Nebraska by a factory-trained representative in the operation and maintenance of grader. Training shall be done for each unit at its assigned location within the State of Nebraska. Fleet Management will contact successful bidder on schedule and places for this training.
NOTES/COMMENTS: _____			

YES	NO	NO & PROVIDE ALTERNATIVE	24. SECRETARY OF STATE REGISTRATION
			*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)
			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	25. Bid Compliance
			A. Specifications have been read and fully understood. Any exceptions have been written on the bid or attached.

NOTES/COMMENTS: _____ _____

**STATE OF NEBRASKA
DEPARTMENT OF ROADS**

Attachment: Right Hand Wing

SCOPE

Optional quotation is requested for equipping above motor grader with right hand wing to comply with the following: Motor graders to be delivered with right wing mounted by successful bidder on the motor grader quoted in this specification, Brand of wing proposed must be wing that is normally supplied by grader manufacturer; **BIDDER MUST STATE BRAND WITH PROPOSAL.**

YES	NO	NO & PROVIDE ALTERNATIVE	1. WING
			A. Wing to have a minimum 10 foot long cutting edge.
			B. 32 inch height at rear, minimum 8 gauge steel, and of that is properly reinforced.
			C. 24 inch height at front, minimum 8 gauge steel, and of that is properly reinforced.
			D. Cutting edge of ½ inch by 6 inches. AASHTO punched.
			E. Minimum horizontal benching height of 48 inches required.
NOTES/COMMENTS: _____ _____			

YES	NO	NO & PROVIDE ALTERNATIVE	2. MOUNTING REQUIREMENTS
			A. Wing mast and toe of wing to be mounted approximately even with front of cab.
			B. Wing must be attached so that it can be lined up with and used in conjunction with the grader moldboard for snow removal in one pass.
NOTES/COMMENTS: _____ _____			

YES	NO	NO & PROVIDE ALTERNATIVE	3. HYDRAULIC FUNCTIONS
			A. Wing to be fully hydraulically-operated, including front and rear adjustment; cable attached to hydraulic mechanism is acceptable.
			B. Extra valve controls mounted in motor grader cab along with the regular valve bank and within easy reach of the operator required.

			C. All lift cylinders, necessary hoses, piping and quick couplers to be supplied and properly mounted. Quick couplers are to be Bruning or Parker brand of adequate size, flush face-type for detachment of wing mast purposes at front and rear positions.
			D. Wing must have float capability.
NOTES/COMMENTS: _____ _____			

YES	NO	NO & PROVIDE ALTERNATIVE	4. SPOTLIGHT
			A. Halogen spotlight that is fixed for wing operation is required.
			B. Light shall have a minimum 5 inch diameter lens. Rectangular shaped lens of approximately 4x6 would also be acceptable. Multiple lights of a smaller size also acceptable. State what is to be provided. _____
			C. Spotlight's light beam shall be adjustable to various areas of the moldboard from "fixed" mounting location. Wire to spotlight shall have weather proof connector.
NOTES/COMMENTS: _____ _____			

**STATE OF NEBRASKA
DEPARTMENT OF ROADS**

Attachment: V-Plow

SCOPE

Optional quotation is requested for equipping above motor grader(s) with V-plow(s) to comply with the following: V-plow will be mounted on motor grader as quoted in this specification. Brand of V-plow proposed must be V-plow that is normally supplied by grader distributor; **BIDDER MUST STATE BRAND WITH PROPOSAL.**

YES	NO	NO & PROVIDE ALTERNATIVE	1. V-PLOW
			A. V-plow to have at least 9 foot 6 inch cutting width.
			B. V-plow to be at least 6 foot (72 inches) high at tips and 4 foot (48 inches) high nose.
			C. Moldboard material to be minimum 3/16 inch thick.
			D. To be compatible with quick hitch as described in main body of specification.
NOTES/COMMENTS: _____ _____			

YES	NO	NO & PROVIDE ALTERNATIVE	2. SKID SHOES
			A. Bottom of skid shoes shall have maximum feasible amount of tungsten carbide inserts of minimum 3/16 inch thickness.
NOTES/COMMENTS: _____ _____			

**STATE OF NEBRASKA
DEPARTMENT OF ROADS**

Attachment: 9 foot Straight Dozer Blade

SCOPE

Optional quotation is requested for equipping above motor grader(s) with straight dozer blade to comply with the following: Dozer blade will be mounted on motor grader as quoted in this specification. Brand of Dozer blade proposed must be Dozer blade that is normally supplied by grader distributor; **BIDDER MUST STATE BRAND WITH PROPOSAL.**

YES	NO	NO & PROVIDE ALTERNATIVE	1. DOZER BLADE
			A. To be minimum 9 foot long.
			B. Moldboard height to be approximately 36 inches.
			C. Moldboard thickness to be minimum ¼ inch.
			D. Full Box Section Construction.
			E. Cutting edges to be ¾ inch x 8 inch and bolt-on reversible with end bits.
			F. To fit quick hitch as bid in body of this specification.
NOTES/COMMENTS: _____			

**STATE OF NEBRASKA
DEPARTMENT OF ROADS**

Attachment: 9 foot Angle Dozer Blade

SCOPE

Optional quotation is requested for equipping above motor grader(s) with angle dozer blade to comply with the following: Dozer blade will be mounted on motor grader as quoted in this specification. Brand of Dozer blade proposed must be Dozer blade that is normally supplied by grader distributor; **BIDDER MUST STATE BRAND WITH PROPOSAL.**

YES	NO	NO & PROVIDE ALTERNATIVE	1. DOZER BLADE
			A. To be minimum 9 foot long.
			B. Moldboard height to be approximately 33 inches.
			C. Moldboard thickness to be minimum 3/16 inch.
			D. Center hinge pin diameter to be minimum 2 inch and to be greaseable.
			E. Reversible edges with end bits.
			F. Angle: cutting edge to ground plane to be approximately 37 degrees.
			G. Moldboard angle to be controlled with hydraulic cylinders. Hydraulic cylinders shall be sized according to manufacturer's recommendations.
			H. To fit quick hitch as bid in body of this specification.
NOTES/COMMENTS: _____			

**STATE OF NEBRASKA
DEPARTMENT OF ROADS**

Attachment: Scarifier

SCOPE

Optional quotation is requested for equipping above motor grader(s) with scarifier to comply with the following: Scarifier will be mounted on motor grader as quoted in this specification. Brand of Scarifier proposed must be Scarifier that is normally supplied by grader distributor; **BIDDER MUST STATE BRAND WITH PROPOSAL.**

YES	NO	NO & PROVIDE ALTERNATIVE	1. SCARIFIER
			A. Scarifier to be the "V" type with the capability of holding at least 9 shanks and shall be mounted on the front of the machine.
			B. Minimum nine shanks to be furnished with scarifier.
			C. To be compatible with quick hitch as described in main body of specification.
NOTES/COMMENTS: _____			

END OF SPECIFICATIONS