

State of Nebraska - INVITATION TO BID CONTRACT

Return to:
 State Purchasing Bureau
 1526 K Street, Suite 130
 Lincoln, Nebraska 68508
 OR
 P.O. Box 94847
 Lincoln, NE 68509-4847
 Telephone: 402-471-6500
 Fax: 402-471-2089

Date	2/27/14	Page	1 of 4
Solicitation Number	4646 OF		
Opening Date and Time	03/19/14	2:00 pm	
Buyer	TERESA FLEMING (AS)		

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

_____ 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 Truck Mounted Striping Machine, Minimum 60,000# GVWR to the State of Nebraska as per the attached specifications for a two (2) year period from date of award. The contract may be renewed for three (3) 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.

The State may request that payment be made electronically instead of by state warrant. ACH/EFT Enrollment Form can be found at: <<http://www.das.state.ne.us/accounting/forms/achenrol.pdf>>

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 mean the electronic verification of the work authorization program authorized by the Illegal Immigration Reform and Responsibility Act of 1996, 8 U.S.C. 1324a, known as E-Verify Program, or an equivalent federal program designed by the United States Department of Homeland Security or other federal agency authorized to verify the work eligibility status of a newly hired employee.

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 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 notice if contractor becomes debarred during the term of this contract.

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/lb403/attestation_form.pdf>
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 require 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.

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

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

Enter Contact Information Below

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

VENDOR# _____

Contact _____

VENDOR: _____

Telephone _____

Address: _____

Facsimile _____

Email _____

State of Nebraska - INVITATION TO BID CONTRACT

Return to:
State Purchasing Bureau
1526 K Street, Suite 130
Lincoln, Nebraska 68508
OR
P.O. Box 94847
Lincoln, NE 68509-4847
Telephone: 402-471-6500
Fax: 402-471-2089

Date	2/27/14	Page	2 of 4
Solicitation Number	4646 OF		
Opening Date and Time	03/19/14	2:00 pm	
Buyer	TERESA FLEMING (AS)		

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

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; 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 Invitations to Bid are opened they become the property of the State of Nebraska and will not be returned.

It is understood by the parties that in the State of Nebraska' s opinion, any limitation on the contractor' s liability is unconstitutional under the Nebraska State Constitution, Article XIII, Section III and that any limitation of liability shall not be binding on the State of Nebraska despite inclusion of such language in documents supplied by the contractor' s bid response.

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

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

Therefore, if a resident disabled veteran or business located in a designated enterprise zone submits a bid in accordance with Neb. Rev. Stat. §73-107 and has checked " yes" requesting priority/preference to be considered in the award of this contract, the following will need to be submitted by the vendor within 10 business days of request:

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

State of Nebraska - INVITATION TO BID CONTRACT

Return to:
 State Purchasing Bureau
 1526 K Street, Suite 130
 Lincoln, Nebraska 68508
 OR
 P.O. Box 94847
 Lincoln, NE 68509-4847
 Telephone: 402-471-6500
 Fax: 402-471-2089

Date	2/27/14	Page	3 of 4
Solicitation Number	4646 OF		
Opening Date and Time	03/19/14	2:00 pm	
Buyer	TERESA FLEMING (AS)		

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

of this subsection.

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

(bl 02/26/14)

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 matpurch.dasmat@nebraska.gov. Questions may also be sent by facsimile to 402-471-2089. Refer to specification for additional information.

No facsimile or email solicitation responses will be accepted.

INVITATION

Line	Description	Quantity	Unit of Measure	Unit Price	Extended Price
1	TRUCK MOUNTED STRIPING MACHINE MINIMUM 60,000# GVWR MAKE: _____ MODEL: _____ ENGINE: _____	2.0000	EA	_____	_____
2	OPTION: EMERGENCY PAINT SHUT-OFF VALVES	2.0000	EA	_____	_____
3	OPTION: MECHANICAL FRONT POINTER SYSTEM	2.0000	EA	_____	_____

STANDARD CONDITIONS AND TERMS OF BID SOLICITATION AND OFFER Invitations to Bid and Contract Awards

It is the responsibility of the bidder to check the website for all information relevant to this solicitation to include addenda and/or amendments issued prior to the opening date. Website address: <http://www.das.state.ne.us/materiel/purchasing/purchasing.htm>

SCOPE- These standard conditions and terms of bid solicitation and acceptance apply in like force to this inquiry and to any subsequent contract resulting therefrom.

PRICES- 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.

EXECUTION- Bids must be signed in ink by the bidder on the State of Nebraska's Invitation to Bid form. All bids must be typewritten or in ink on the State of Nebraska's Invitation to Bid form. Erasures and alterations 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.

FACSIMILE DOCUMENTS- The State Purchasing Bureau will only accept facsimile responses to Invitations to Bid on bids under \$25,000 and up to ten (10) pages. However, two party sealed bids containing facsimile pages are acceptable. No direct facsimile solicitation responses will be accepted for a commodity contract.

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.

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.

PAYMENT- Payment will be made by the responsible agency in conjunction with the State of Nebraska Prompt Payment Act 81-2401 through 2408. The State may request that payment be made electronically instead of by state warrant.

COLLUSIVE BIDDING- The bidder guarantees that the prices quoted have been arrived at without collusion with other eligible bidders and without effort to preclude the State of Nebraska from obtaining the lowest possible competitive price.

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

SPECIFICATIONS- Any manufacturer's names, trade names, brand names, information and/or catalog numbers listed in a specification are for reference and not intended to limit competition, but will be used as the standard by which equivalent material offered will be judged. The State Purchasing Director will be the sole judge of equivalency. The bidder may offer any brand 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.

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 judgement of the State Purchasing Director, 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 specifications, and the bidder shall be held liable therefore.

SAMPLES- When requested, samples shall be furnished at the bidders expense prior to the opening of the bid, unless otherwise specified. Each sample must be labeled clearly and identify the bidders name, the Invitation to Bid number and the item number. Samples submitted must be representative of the commodities or equipment which would be delivered if awarded the bid. The State of Nebraska reserves the right to request samples even though this may not have been set forth in the Invitation to Bid. Samples not destroyed in testing will be returned at bidders expense, if requested, or will be donated to a public institution.

RECYCLING- Preference will be given to items which are manufactured or produced from recycled material or which can be readily reused or recycled after their normal use as per State Statute Section 81-15,159.

LATE BIDS- All bids will be time and date stamped upon receipt by the State Purchasing Bureau, and this shall be the official time and date of receipt. Bids received after the time of the bid opening will be considered late bids and will be returned to the bidder unopened. The State Purchasing Bureau is not responsible for late bids or lost requests due to mail service inadequacies, traffic or other similar reasons.

BID OPENING- Openings shall be public on the date and time specified on the Invitation to Bid form. It is the bidder's responsibility to assure the bid is delivered at the designated date, time and place of the bid opening. Telephone bids are not acceptable. A bid may not be altered after opening of the bids.

NO BID- If not submitting a bid, respond by returning the Invitation to Bid form explaining the reason in the space provided. Failure to respond to an Invitation to Bid may be cause for the removal of the bidder's name from the mailing list. 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.

AWARD- All purchases, leases, or contracts which are based on competitive bids will be awarded to the lowest responsible bidder, determined according to the provisions 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 bidders competitive position. All awards will be made in a manner deemed in the best interest of the State.

BID TABULATIONS- Tabulations will be furnished upon written request. A self-addressed, stamped envelope which must include the agency and solicitation number must be enclosed. Bid tabulations will not be provided by telephone or facsimile. Bid files may be examined during normal working hours by appointment. Bid tabulations are available on the website at: <http://www.das.state.ne.us/materiel/purchasing/bidtabs.htm>

PERFORMANCE AND DEFAULT- 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.

IN-STATE PREFERENCE- A resident bidder shall be allowed a preference against a nonresident 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.

NONDISCRIMINATION- 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, to be employed in the performance of such contracts, with respect to hire, tenure, terms, conditions or privileges of employment because of race, color, religion, sex, disability, or national origin. (State Statute Sections 48-1101 through 48-1125) The bidder guarantees compliance with the Nebraska Fair Employment Practice Act, and breach of this provision shall be regarded as a material breach of contract. The contractor shall insert a similar provision in all subcontracts for services to be covered by any contract resulting from this Invitation to Bid.

TAXES- Purchases made by the State of Nebraska are exempt from the payment of Federal Excise Taxes, and exemption certificates will be furnished on request. State and local taxes are exempt by State Statute Section 77-2704 (l) (m) R.R.S. 1943 and must not be included in the bid prices. Exemption by statute precludes the furnishing of State exemption certificates.

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

GRIEVANCE AND PROTEST- Grievance and protest procedure is available by contacting the buyer. Protest must be filed within ten (10) days of award.

NE ACCESS TECHNOLOGY STANDARDS- Vendor agrees to ensure compliance with Nebraska Access Technology Standards. See website at: <http://www.nitc.state.ne.us/standards/accessibility/>

**STATE OF NEBRASKA
STATE PURCHASING BUREAU**

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	February 27, 2014
2	Last Day to Submit Written Questions	March 10, 2014
3	State Responds to Written Questions Through an Addendum to be posted to the internet at: http://www.das.state.ne.us/materiel/purchasing/rfp.htm	March 12, 2014
4	Bid Opening Location: Nebraska State Purchasing Bureau 1526 K St. Suite 130 Lincoln, NE 68508	March 19, 2014 2:00 p.m. Central Time

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 4646 OF; Truck Mounted Striping Machine, Minimum 60,000# GVWR". 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, but must include a cover sheet clearly indicating that the transmission is to the attention of Teresa Fleming, showing the total number of pages transmitted, and clearly marked "ITB Number 4646 OF; Truck Mounted Striping Machine, Minimum 60,000# GVWR".

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.

**STATE OF NEBRASKA
DEPARTMENT OF ROADS**

**Terms and Conditions for Truck Mounted Striping Machine,
Minimum 60,000# GVWR
For Application of Waterbase and/or Low VOC Line Marking
Materials
4646 OF**

SCOPE

It is the intent of this bid invitation to establish a contract to supply **Truck Mounted Striping Machine, Minimum 60,000# GVWR** per the attached specifications from date of award for a period of two (2) years with the option to renew for three (3) 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 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 Truck Mounted Striping Machine, Minimum 60,000# GVWR whether or not they may be specifically mentioned below. The Truck Mounted Striping Machine, Minimum 60,000# GVWR must meet or exceed the following requirements.

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.

NON-COMPLIANCE STATEMENT

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.

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).

B12-14

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.

SUBSTITUTIONS

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

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: _____

ESTIMATED USAGE

Quantities shown are estimated only and are not to be construed as firm quantities. The State of Nebraska reserves the right to increase or decrease any quantities shown. The Truck Mounted Striping Machine, Minimum 60,000# GVWR will be ordered on an as-needed basis with no minimum order requirements.

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.

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.

B12-14

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 number must be referenced on the packing slip, and invoice. Invoices are to be sent to the "Invoice to" address on the purchase order.

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 to be bid F.O.B. destination for delivery to 5001 South 14th Street, Lincoln, Nebraska.

Specifications for Truck Mounted Striping Machine, Minimum 60,000# GVWR For Application of Waterbase and/or Low VOC Line Marking Material 4646 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 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. GENERAL
			A. Unit shall be capable of applying reflectorized lines utilizing a water base (latex) or low VOC traffic paints and glass beads.
			B. Unit must be capable of applying material at ambient temperatures of 50 degrees Fahrenheit on clean, dry pavement.
			C. Unit shall be capable of applying three lines simultaneously, in two colors of this material in either a solid or skip, or a combination of these patterns.
			D. Unit shall operate in a range of four (4) to fifteen (15) M.P.H.
			E. All truck parts and materials shall conform to the truck manufacturer's recommendations and applicable Federal S.A.E. standards.
NOTES/COMMENTS: _____			

YES	NO	NO & PROVIDE ALTERNATIVE	4. TRUCK CHASSIS AND CAB
			A. Acceptable Models: Cab over engine or Low cab forward
			1. Dual drivers positions required
			B. Chassis shall have GVWR of a minimum of 60,000 pounds
			C. Wheelbase dimension shall be a minimum of 209 inches
			D. Overall dimension of truck shall not exceed 36 feet
			E. Maximum height shall not exceed 13 foot in both operational & storage mode
			F. An engineering certified weight distribution, both in the full and empty mode, shall be submitted as part of the bid evaluation to determine the weight distribution with maximum legal payload for the unit proposed.
			G. Frame shall be of heavy-duty construction and comply with standard SAE width dimensions in body areas to facilitate body mountings
			1. Frame shall be a 16.0 Section Modulus type
			H. Engine shall be diesel powered minimum 8.9 liter, minimum 340 horsepower, minimum 1100 lb/ft torque
			1. Engine shall include an air cleaner, full flow throw-away type oil filter and temperature controlled fan
			2. 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
			3. 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.
			Please specify: _____
			4. Unit shall include a tachometer, hour meter, voltmeter, speedometer, oil pressure gauge, temperature gauge and fuel gauge or an audible/visual electronic indicator which are to be located in the cab.
			5. An oil temperature warning light is required for an automatic transmission.

			6. Engine shall feature a derate system for high water temperature and/or low oil pressure or an engine protective shut-down device for high coolant temperature, low oil pressure and low coolant level, with automatic override and audible warning before shut-down
			7. Unit shall have vertical exhaust with heat and rain shields
			I. Electrical system shall be 12 volt
			1. Minimum 160-amp alternator, with a voltage regulator
			2. Batteries shall be three 12 volt minimum 700 CCA each
			J. Transmission shall be an Allison 3000RDS-P, 6 speed, automatic and shall be latest current model of proven performance
			1. Transmission should have Allison Prognostic, load-base shift scheduling and shift energy management features as available
			2. Synthetic oil to be OEM factory fill for transmission
			K. Manufacturer's recommended power steering is required
			L. Service brakes shall be six (6) wheel, full air, with automatic slack adjusters
			1. Two (2) shoes per wheel, double anchored when brakes are drum type
			2. Service brakes may also be combination of rear drum brakes and front disc brakes or all disc brakes
			3. Dust shields are required on all axles
			4. Anti-lock brake system on all wheels required
			5. 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
			6. The compressor shall be a single or two-stage water-cooled type with a minimum capacity of 13 CFM
			7. Bendix AD-1P dryer or OEM equivalent required, which may be dealer installed if not available by manufacturer. Spin on filter required. Please state brand: _____
			8. Entire braking system shall comply with all current State & Federal Regulations
			M. Minimum 95 gallon fuel tank to be mounted on the driver's side. DEF tank to be in proximity of fuel tank
			N. Front and rear springs shall be compatible with the manufacturer's GVWR of the vehicle. Manufacturer's heavy-duty front shock absorbers are to be provided.
			O. Front axle shall have a capacity of not less than 20,000 pounds with corresponding multi-leaf springs.
			P. Rear axles shall be a single reduction tandem axle having a minimum capacity of 40,000 pounds.
			1. Rear axles to be driven by power divider with lockout
			2. Air ride rear suspension required
			3. Truck shall be equipped with gear ratio to give a minimum road speed of 65 M.P.H. at governed engine speed
			Q. Electrical system shall include gang type fuse boxes or push button reset circuit breakers, either which shall be marked identifying each circuit
			1. Two (2) sealed halogen high beam headlights with low beam required

			a. Headlights shall have WIG-WAG feature with switch in cab.
			2. Two (2) stop, tail and parking lights required
			3. Cab dome light required
			4. Self-canceling directional signals with integral four-way emergency flasher unit, amber in front and red in rear, having a cab mounted switch required
			5. Clearance lights, reflectors and identification lights as per State and Federal Requirements are required
			6. Light circuits shall be separately fused or be provided with circuit breakers with switches located in the cab. Accessories such as heaters, fans, and blowers shall have individual fuses and controls.
			R. Tires shall be tubeless, steel-belted radials with single front and dual rears
			1. Front tire size shall be 425/65R22.5J with minimum of 14 ply or a ply rating to match axle GVWR with standard highway tread
			2. Rear tire size shall be 11R22.5 "H" load range or equivalent metric size with standard highway tread Please state size: _____
			3. Tires shall be Goodyear, Michelin, Firestone, Bridgestone, Continental or General and shall carry the company name
			4. Rear wheels shall be hub piloted steel disc with a rim size of 22.5 by minimum 8.25 inches, ventilated, 10 stud, hub-piloted, steel disc type with 11-1/4 inch diameter bolt circle and interchangeable
			5. Front and spare wheels will be 22.5 x 12.25, otherwise meeting specifications
			6. Fenders shall be supplied over the rear wheels
			7. Fenders shall cover a minimum of 130 degrees of the tire surface area
			8. Fenders shall be easily removed and reinstalled on vehicle to facilitate maintenance and serviceability
			9. Mudguards shall be installed on the fenders' rear edge
			S. A standard heavy-duty front bumper shall be furnished
			T. Rear bumper shall be constructed of heavy-duty steel with structural steel channel supports
			1. Supports to be bolted to the chassis frame
			2. Steps shall be an integral part of the rear bumper to allow staircase style access to the operator's stations
			3. The rear bumper to be 6" x 96" and equipped with required safety reflectors and stop turn tail lights
			U. Cab shall be a tilting type that is easily entered from the ground
			1. Cab shall be of fully insulated steel construction with tinted glass throughout with locks on doors and dual sun visors
			2. Cab shall have two electric horns, dual electric intermittent windshield wipers with dual windshield washers. Power electric windows on both side windows
			3. AM/FM radio, manufacturer's recommended recirculating heater and defrosters, and two (2) 7-inch X 16 inch West Coast style mirrors, left and right are required. Mirrors are to be electrically powered.
			4. National Brand Model 2000 series or O.E.M. 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. No other seat will be acceptable without approval by Fleet Management prior to bid opening.
			5. Seats must be able to provide 6.5 inches forward and aft
			6. 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
			7. If manufacturer has hydraulic or other power assist cab tilting device, it must be furnished
			V. Manufacturer's increased cooling capacity radiator required where such option is available by manufacturer
			1. Unit(s) shall have a permanent glycol base anti-freeze protection to 34 degrees below zero Fahrenheit
			2. Coolant recovery system shall be required
			W. Manufacturer recommended and installed, best quality, manually controlled air conditioner required
			1. Manufacturer's recommended additions such as temperature controlled fan, heavy-duty radiator, heavy-duty alternator, and heavy-duty battery or batteries must be furnished as part of the air conditioner package
			X. Radio Frequency Shielding – CAUTION!!
			1. The chassis 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 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
			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 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 30 days to resolve radio frequency interference 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 radio frequency interference, 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.
			5. If after testing by NDOR and/or accredited lab, the vendor is unable or unwilling to incur the cost and correct the radio frequency interference issue to the satisfaction of NDOR, ALL ORDERS AND CORRESPONDING CONTRACT WILL BE CANCELED AT NO CHARGE TO THE STATE OF NEBRASKA.

			Y. The striping unit chassis shall be equipped with a highway speed cruise control. Chassis shall also be equipped with a low speed engine control system capable of maintaining speeds on flat surfaces down to 5 mph.
			1. Idle control feature enables engine RPM to be controlled while idling
			Z. Truck shall be equipped with back up alarm that adjusts automatically to surrounding noise level
			AA. Regular manufacturer's standard warranty and completed pre-delivery inspection certificates will be required with each delivered unit
			1. The manufacturer's standard warranty shall be stated in the bid
			2. A minimum of five (5) years, 100,000 miles rust warranty is required
			3. Manufacturer's written warranty including engine, transmission and differential must accompany delivered unit(s)
			4. All warranty work must be performed within the State of Nebraska
			5. Mechanical or body repair required under manufacturer's warranty, prior to use of the vehicle by the State, shall be the responsibility of the selling dealer, including the transportation thereof
			6. Warranty to be effective from date of issuance of first assignment and the mileage warranty will begin from the mileage on the odometer on the date of assignment
			7. The selling dealer will provide warranty activation cards, or similar information, in order to properly activate said warranty
			8. All other accessories, components, and equipment that are installed by the manufacturer shall be warranted for a minimum period of twelve (12) months after the units are put into service by the State of Nebraska
			9. During the warranty period, all parts and labor required for the repair and corrections necessary to maintain the units in operating condition shall be the responsibility of the vendor

NOTES/COMMENTS: _____

YES	NO	NO & PROVIDE ALTERNATIVE	5. OPERATOR'S ENCLOSURE
			A. Enclosure shall be aluminum measuring approximately 102" wide x 60" deep x 76" high
			B. The enclosure shall be mounted directly to the top of the chassis frame rails to maintain a low overall profile
			C. Support posts shall be kept to a minimum to provide maximum visibility for the operator and still allow adequate support for the enclosure
			1. The enclosure corner posts (8 minimum 2"x2" each) and structural frame shall be constructed of heavy-duty 1/8" tubing
			D. Rear shelter shall be insulated with minimum 1" thick insulation with black perforated vinyl covering shall be installed on the interior cab walls
			1. A 1/2" thick insulated floor mat shall also be provided
			E. The enclosure shall be covered with minimum ten (10) gauge sheeting
			F. All glass panels shall be tinted safety glass
			G. The windows behind each operator and in front of the control console shall be vertical slider type to allow for ventilation
			H. The side window at each operator station shall be a drop down "pocket style" window with a vertical sliding tinted safety glass panel
			I. Two (2) variable speed circulation fans shall be provided, one (1) for each operator station
			J. Access and egress shall be from the rear
			1. The rear access stairs shall be an integral part of the rear bumper complete with hand rails and shall have a non-slip surface
			K. Detailed drawings and pictures may be requested prior to bid award to ensure that the operators' enclosure is ergonomically designed and shall allow full view of the paint and bead guns by the operators while sitting naturally and comfortably in their seats
			L. Two air-ride cloth seat assemblies shall be mounted, one (1) on the left and one (1) on the right side of the enclosure. Each seat assembly shall be equipped with seat belt, armrests and full backrest. Operator seats to have a heavy duty cloth cover. A cup holder shall be provided at each operator's position.
			M. Heat and air conditioning unit shall be installed. A rooftop unit with 48,000 BTU of heating and 33,500 BTU of cooling shall be provided. (Red Dot or equivalent)
			1. Documentation shall be provided to verify unit proposed meets these ratings, upon request
			N. Air, electrical, and heating control panels and all controls required for operation of the guns and carriages shall be accessible by the operator while seated
<p>NOTES/COMMENTS: _____</p> <p>_____</p> <p>_____</p>			

YES	NO	NO & PROVIDE ALTERNATIVE	6. PLATFORM AND RAILINGS
			A. The bed shall not exceed 96" total width, including all projections
			B. The construction of the equipment platform shall consist of 8" risers, 4" structural steel channel long sills, 3" structural steel channel cross members at 16" centers
			C. The platform shall be secured to the truck frame by a minimum of two (2) heavy duty grade 8 bolts per riser with four (4) to five (5) risers on each side of the platform
			1. The risers will be bolted to the equipment platform and also to the chassis frame rails
			2. The platform shall have non-skid, minimum 3/16" aluminum floor deck plate with an integral formed rub rail
			3. Ladders shall be furnished on both sides
			4. An aluminum railing shall be installed around the open portions of the platform. All railings shall be welded to the platform for stability and shall have a mid-rail
			a. The height of the railing shall be 42 inches
NOTES/COMMENTS: _____			

YES	NO	NO & PROVIDE ALTERNATIVE	7. TOOLBOX
			A. Two (2) 18"x18"x24" aluminum toolboxes shall be installed on the rear bumper with lockable, safety latches
			B. The tool boxes shall be installed on each side of the rear steps with the door facing towards the rear
			C. Any special tools needed for adjustments or disassembly of the various machine components shall be furnished in the toolbox
NOTES/COMMENTS: _____			

YES	NO	NO & PROVIDE ALTERNATIVE	8. PAINT AND BEAD GUN CARRIAGE ASSEMBLY
			A. Carriages shall be mounted on each side of the vehicle in front of the rear axles of the truck
			1. Carriages to be positioned to allow the operators to have a clear view of the painted markings and paint and bead guns being duplicated from directly above and behind the carriages
			2. The plumbing on the carriage shall be routed so as not to obstruct the operator's view of the guns
			3. Each gun carriage shall have a parallel hinged bar trailing wheel design
			B. The centerline carriage shall be equipped with two (2) 5.00-5/10/160 pneumatic 13" minimum diameter aircraft style tires supported by a pivoting yoke to maintain the guns at the same relative position above the pavement at all times
			1. The wheel assemblies to have grease-able bearings

			2. Tires and caster assemblies to be spaced approximately 22" apart to properly distribute the weight of the carriage
			3. An electric carriage swivel caster spacing adjustment from operator's station to allow for incremental positioning of centerline carriage outer caster when necessary to avoid rumble/raised pavement markers
			C. The edge line carriage shall be equipped with one (1) 5.00-5/10/160 pneumatic 13" minimum diameter aircraft style tire/wheel assembly with grease-able bearings to maintain the guns at the same relative position above the pavement at all times.
			1. Wheel shall be center mounted on a single axle and swivel caster assembly
			D. All carriage rods, brackets and holders, which require paint and bead gun adjustments to change the line width and spacing shall be zinc plated for durability and overspray clean up
			1. Carriages to be electrically welded and of all steel construction
			2. Each carriage shall be equipped with a pneumatic air cylinder to lift the spray gun carriage off the road surface and to apply down pressure when striping
			E. Each gun carriage shall be supported by dual (two per carriage) tube in tube retractable structural steel slides with UHMW PE bearing material
			1. The carriage slide assembly shall be equipped with a double action hydraulic cylinder to move the carriage from its transport position to any point in its minimum 48" operating range
			2. When in the transport position the carriage shall be secured in place by an auto-hold bracket and shall not require chains to support or hold the carriage in place
			F. Each carriage slide shall be controlled by an EZ-Carriage Control power steering system controller or equivalent. The carriages shall be positioned from side to side with a CAN Bus (controller Area Network Binary unit system) electric over hydraulic horizontal positioning system to include a simple IP68 rated dial control with multiple memory settings (three minimum) to allow the operator to set and repeat a pre-set extension position.
			1. Power steering system shall provide smooth, continuous adjustment of the carriage position without any jerk or hesitation and shall maintain the carriage at any given point within the operational range without the use of a locking device
			2. Each operator position shall be equipped with its own dial control for positioning its respective gun carriage

NOTES/COMMENTS: _____

YES	NO	NO & PROVIDE ALTERNATIVE	9. PAINT SUPPLY
			A. The machine shall have paint storage capacity of not less than 760 gallons (U.S.) divided into three (3) colors
			1. One (1) 250-gallon for yellow
			2. One (1) 450-gallon for white
			3. One (1) 60-gallon for black
			B. The tank walls, top and bottom shall be made of 10-gauge minimum stainless steel sheeting
			1. A four (4) inch splash area will remain at the top of the tank when fully loaded
			2. The tank shall have a 2" sloped bottom which shall ensure a flooded inlet to the pumps.
			3. A 12"x12" stainless steel square inspection opening with gasket will be provided in the top section of the tank
			a. Inspection lid shall be hinged and shall include an over-the-center type adjustable clamp
			C. The tank shall be equipped with two (2) ports to connect a high pressure paint return hose which shall bleed or relieve the pressure off of the high pressure paint filter canisters when desired
			1. A stainless steel ball valve shall be installed on each end of this hose to prevent drying in the hose when not in use
			D. The tank shall be fitted with a fully removable bolted lid cover and a pressure equalization vent
			1. The vent shall have two (2) 90 degree elbows to prevent paint splash
			2. Stainless steel dipstick with threaded cap to check paint levels
			E. Each paint container shall be equipped with a hydraulically drive paint agitator system
			1. Two sets of paddles shall be provided for each agitator assembly
			a. The bottom set to be approximately 1" from the bottom of the tank section.
			b. The agitators shall be equipped with speed adjusting control located at the agitator.
			c. The on/off controls to be located at the operator's control console.
<p>NOTES/COMMENTS: _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>			

YES	NO	NO & PROVIDE ALTERNATIVE	10. PAINT GUNS
			A. The guns shall be Graco high volume, high pressure, automatic, airless striping guns, Model 238-377 or equivalent Please state brand: _____
			B. The airless paint gun fluid housing and packing assembly shall be constructed of 300-grade stainless steel
			C. The outlet seat shall be tungsten carbide to resist abrasion
			D. Each gun shall be controlled electrically by individual electro-air valves with 1/4" air ports (minimum)
			1. The guns shall be mounted in a block/manifold on the frame of the carriage
			2. A manual override shall be provided for each solenoid at each gun carriage to allow activation of each individual paint gun from the carriage location
			E. The striping guns shall be equipped with reverse-a-clean type XHD spray tips and shall be interchangeable without the use of tools for various spray patterns and flow rates
			F. Each paint gun shall be equipped with an electric actuator and control switch to raise and lower each gun individually from the respective operator's station

NOTES/COMMENTS: _____

YES	NO	NO & PROVIDE ALTERNATIVE	11. PAINT GUN CONFIGURATION
			A. The left side carriage shall be configured with three (3) yellow paint guns, one (1) white paint gun and one (1) black paint gun
			1. The paint guns shall be configured as follows: Y Y Y W Bk
			B. The right side carriage shall be configured with one (1) white paint gun: W

NOTES/COMMENTS: _____

YES	NO	NO & PROVIDE ALTERNATIVE	12. PAINT PUMPS
			A. The unit shall be equipped with five (5) high capacity, high pressure, hydraulically driven airless piston paint pumps
			1. Two (2) pumps shall be used for yellow
			2. Two (2) pumps shall be used for white
			3. One (1) pump shall be used for black
			B. The airless paint pumps shall be Titan/Speeфло Model 445-345 or equivalent Please state brand: _____
			1. Each to have a minimum capacity of 13 GPM at a discharge pressure of 2,000 psi
			2. Pump piston and sleeve shall be stainless steel and chrome plated
			3. Pump packing shall be Teflon and shall be easily field adjustable or self-adjusting to compensate for normal wear
			4. Individual paint pressures shall be controlled from the rear operator's station
			a. Paint pressures ranging from zero to 2,000 PSI
			5. Pumps to be capable of spraying high build water-borne (latex) traffic paint as well as solvent based traffic paints
			6. Pumps to be capable of spraying paints with standard solids content as well as low VOC, high solid paints
			C. Unit to have a shut-off valve for each airless paint pump that can be accessed from either rear operator position
			D. An ASME certified stainless steel surge chamber shall be provided for each color paint circuit
			1. A high pressure stainless steel check valve shall be installed in each high pressure paint pump circuit
			E. All hoses, piping and plumbing shall be protected from chafing where applicable
			F. A high-pressure bleeder valve and hose shall be plumbed from each high pressure paint pump and routed back to the paint tank to re-circulate the paint and relieve pressure in the system prior to clean filters
			G. High capacity, high-pressure canister type paint filter located at the high- pressure outlet port of each high-pressure paint pump
			1. Filters pressure ratings not less than 5,000 PSI
			2. Stainless steel high-pressure filter shall have a minimum filtration surface of 18 square inches
			3. Reusable stainless steel screen with 40 mesh perforations
			4. Filter to be located as close as possible to the paint pump
			5. Inlet and outlet ports shall be a minimum of ½"
			H. Fluid lines from the strainers to the striping guns on the carriage shall be a minimum ½ inch ID solvent resistant type rated at 3,000 PSI
			1. Fluid lines to have a stainless steel swivel on each end
			I. The unit to have three (3) air-driven, Teflon diaphragm operated pumps
			1. Pumps to be ARO Model PD20A-FSP-STT or equivalent Please state brand: _____
			2. Pumps shall have a maximum flow rating of 170 GPM

			3. Pumps to have a minimum of 2" inlet and outlet ports
			4. Pumps to be equipped with a 12' section of 2" ID heavy duty crush- resistant suction/load chemical hose
			a. 2" stainless steel cam-lock style connectors will be provided on both ends of the hose for loading out of standard traffic paint factory supplied 250-275 gallon paint totes
			J. Plumbing to be configured to fill the tank through its bottom plumbing without the use of external tank loading hoses
			K. Pump, appropriate plumbing and valves to be installed to allow flushing of cleaning solution from an external source through the pumps and paint distribution manifolds
			L. All wetted plumbing on the paint loading system shall be constructed of stainless steel including pumps, filtration assembly, etc.
			M. Low pressure transfer pump material shall pass through a stainless steel canister type strainer with stainless steel screen and 1/8" openings
			1. Strainer to be equipped with a removable reusable screen
			a. Strainer to have a minimum of 100 square inch surface area
			2. Valves shall be provided to isolate the strainer assembly for cleaning
			a. Strainer to have a drain port and ball valve to allow for draining of the strainer into a container at the onset of strainer cleaning
			N. All plumbing lines from the material container to the high pressure pumps shall be ASTM specification 2" ID size minimum
			1. A camlock connector shall be installed at the inlet of each high pressure paint pump to allow easy removal of pump for servicing

NOTES/COMMENTS: _____

YES	NO	NO & PROVIDE ALTERNATIVE	13. PAINT HEATING SYSTEM FOR YELLOW AND WHITE PAINT
			A. Heating system shall be capable of heating two (2) colors (white and yellow) simultaneously at maximum paint application and striping speed
			1. Heating system shall insure constant relative viscosity of the materials and maintain paint temperatures up to 100 degree F
			2. The two-stage system shall allow separate, automatic heat control at each exchanger and at insulated paint hoses to insure the maintenance of desired paint temperature without overheating paint in the heat exchangers
			B. The paint heating installation shall consist of three (3) separate four-pass heat exchangers
			C. The water glycol to paint heat exchangers requires a heat transfer area of not less than 70 square feet for maximum heat exchange
			1. A 35 square foot water glycol to water glycol heat exchanger will act as a buffer between the auxiliary engine cooling system and the paint system
			D. Each heat exchanger shall be equipped with its own free flow control valve and Solenoid-operated valve to allow heating of the paint only as required to supply sufficient material to the paint guns
			E. Unit to be complete with three (3) thermostats, temperature indicators, hot water hoses and controls
			F. Paint heat exchanger tubes, end bonnets and paint plumbing shall be constructed of 304 stainless steel
			G. The heat exchanger thermostats, digital temperature readout and control devices shall be installed in the operator's control console
			1. The control panel shall provide necessary controls for the exchangers and shall indicate when the heating system is turned on and when the paint is at the proper spraying temperature in each exchanger
			H. A 1" paint re-circulation system shall be provided to return heated paint to the top of the yellow and white paint tank sections in order to heat the paint in the paint tank. The black paint tank shall have recirculation capability also but no black paint heating system requirement.
			1. A ball valve shall be provided on each side of each paint re-circulation hose
			I. A water/solvent holding tank shall be installed on striping machine, consisting of one (1) 20 gallon minimum capacity ASME certified stainless steel tank and a ball valve at the bottom outlet. A flex-hose required to attach to a 50' hose reel with spring return mechanism and gun to allow spraying of components and cleaning up spills.
			J. A manual flush port with ball valve and check valve shall be installed at the inlet of each high pressure paint pump to allow connection of a garden hose when flushing the lines from the high pressure pumps to the guns is desired
<p>NOTES/COMMENTS: _____</p> <p>_____</p>			

YES	NO	NO & PROVIDE ALTERNATIVE	14. PAINT HAND GUNS
			A. Paint hose reel plumbed white with 25' of high pressure paint hose shall be provided at the rear of the unit
			B. Paint hose reel plumbed yellow with 25' of high pressure paint hose shall be provided at the rear of the unit
			C. The hose reels (white and yellow) shall be equipped with a spring return mechanism.
			1. Both paint hand guns shall be equipped with a 20" extension
			2. A storage holder shall be provided for each hand gun
<p>NOTES/COMMENTS: _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>			

YES	NO	NO & PROVIDE ALTERNATIVE	15. BEAD DISPENSING EQUIPMENT
			A. The unit to be equipped with an ASME certified minimum 4,000-pound capacity, carbon steel pressure bead tank
			B. The bead tank lid shall be a minimum diameter of 20"
			1. The lid to be hinged with welded handle to open the tank
			2. Twelve (12) over the center clamp and screw assemblies with forged steel wing head bolts to hold the lid in place
			C. The bead tank to be equipped with a moisture trap
			D. 100 lb. air pressure vacuum gauge
			E. ASME safety valve and air bleed jet
			F. Bead tank to be flush mounted to the platform
			G. Sight level gauges, a minimum of 2" in diameter each shall be provided as an integral part of the glass bead tank
			1. To be vertically located at ¼, ½, and ¾ levels on the outside of the bead tank
			H. Pressure bead pipe, (hose is not acceptable) with a minimum diameter of 2" ID shall be provided to convey the beads from the bead tank to a bead manifold
			1. Pressure bead hoses from the distribution manifold to the bead guns shall be 1" ID clear poly spring reinforced
			I. Tank pressure to be regulated from the operator's control panel
			J. Glass beads will be loaded from a standing position on the platform
			1. A vacuum type system with jet pump and muffler shall be permanently installed on the equipment
			2. A minimum 2" suction hose with tube shall be provided (approximately 10' long) to allow the operator to draw beads into tank from a 2000 lb. bulk container
			3. A bag splitter/strainer shall be included to fit in the diameter of the neck of the bead tank to strain the beads as they fall into the tank and facilitate loading of beads manually with 50 lb. bags if desired

NOTES/COMMENTS: _____

YES	NO	NO & PROVIDE ALTERNATIVE	16. GLASS BEAD GUNS
			A. Guns to be Epic Solutions model BG-6000 or equivalent Please state brand: _____
			B. Capable of being operated independently of or simultaneously with the associated paint striping guns
			C. The bead guns shall be fully adjustable for the desired flow
			D. Each gun to be controlled electrically by individual electro-air valves with minimum 1/4" air ports
			E. Guns to be mounted in a block/manifold on the frame of the carriage
			F. A manual override shall be provided for each solenoid at each gun carriage to allow activation of each individual bead gun from the carriage location.
NOTES/COMMENTS: _____ _____ _____			

YES	NO	NO & PROVIDE ALTERNATIVE	17. BEAD GUN CONFIGURATION
			A. The left side carriage shall be configured with 4 (four) bead guns.
			1. The bead guns shall be configured as follows: A A A A Y Y Y W G G G G Bk
			B. The right side carriage shall be configured with one (1) bead gun.
			1. The bead gun shall be configured as follows: A W Bd
NOTES/COMMENTS: _____ _____ _____			

YES	NO	NO & PROVIDE ALTERNATIVE	18. POWER SYSTEM
			A. Pneumatic and hydraulic systems shall be provided to power various components of the striping equipment as listed.
			B. The compressor shall be a rotary screw type with a minimum displacement of 250 CFM
			1. The air system shall be equipped with a 12-gallon air receiver with moisture drain and safety relief valve
			a. The main airlines leading from the compressor to the air receiver shall be equipped with reusable fittings
			2. The air supply is to be conditioned by a 14' long finned tube type air cooler.
			a. Two-stage extractor/dryer compressed air dryer with auto drain and line lubricators prior to gun solenoids
			1. One (1) per gun carriage
			3. A separate coalescing type moisture separator to be installed prior to the glass bead tank
			a. Locate as close to the tank inlet as possible without interfering with the access lid or vacuum load system
			C. Air control lines to the striping guns and electro-air valves shall not be less than 1/4" ID solvent resistant tubing tested to 125 psi or comparable
			D. Compressor to be conveniently mounted on the unit for easy daily maintenance and access
			E. Compressor to be powered by a water cooler diesel engine and shall draw fuel from chassis tank
			1. Engine to be Tier 4I or Tier 4 final
			2. A fuel pump to be provided to create lift of the fuel from under the platform to the above deck location of the engine
			F. Engine and compressor to be surrounded by an insulated housing with removable doors
			G. A remote control panel shall be provided for control and monitoring of the compressor from the operator's cab
			1. Control panel to include on/off controls, gauges for air pressure, hour meter, voltmeter, engine oil pressure, engine coolant temperature and compressor discharge temperature
			H. An air take-off shall be installed at each gun carriage
<p>NOTES/COMMENTS: _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>			

YES	NO	NO & PROVIDE ALTERNATIVE	19. AIR JETS OR DUSTING GUNS
			A. Mounted in front of each row of paint guns to blow away dust and light debris from the road surface prior to paint application
			1. Air jet/dusters to be controlled with a switch in each respective skip line controller
			2. A valve shall be installed at each air jet
<p>NOTES/COMMENTS: _____</p> <p>_____</p> <p>_____</p>			

YES	NO	NO & PROVIDE ALTERNATIVE	20. HYDRAULIC POWER
			A. A pressure compensated hydraulic piston pump direct driven from the diesel engine shall supply hydraulic power
			B. A minimum 50 gallon hydraulic reservoir to be provided for adequate cooling
			1. Reservoir to be equipped with an internal baffle
			2. Sight level
			3. Temperature gauge and vented fill cap
			C. The reservoir to be situated above the inlet of the hydraulic pump to insure flooded inlet suction to the pumps
			D. The return port on the reservoir shall be equipped with a 50 gallon per minute hydraulic return filter
			1. Return filter to be an in-tank type with replacement indicator gauge and any necessary valves required for isolation of filter during servicing
			2. The system to include oil after cooler with temperature switch and 12V fan to prevent overheating
			E. All high-pressure hydraulic hose shall be rated at a minimum of 2,000-psi working pressure
			F. A shut-off valve will be installed in the low-pressure plumbing of the hydraulic system to isolate the reservoir and limit fluid loss when performing maintenance
<p>NOTES/COMMENTS: _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>			

YES	NO	NO & PROVIDE ALTERNATIVE	21.ELECTRICAL SYSTEM
			A. Two (2) skip line serial striping system controllers shall be provided
			1. These electronic microprocessors shall be interchangeable, one for each operator station
			2. Each controller shall be adjustable by the operator while the machine is in motion or standing still
			3. The controllers shall be able to time skip patterns for left and right synchronized or independent operation if striping from both sides
			4. The controllers shall be adjustable so that any combination of skip and paint may be obtained from 00.1 to 99.9 feet, adjustable by 0.1 ft. increments
			B. The controllers shall be equipped with an "advance" and "retard" switch, which will advance or retard the cycle in increments of 0.20 of a foot per actuation of the respective switch
			1. Controllers shall have the built in capability to spray black paint between the white skip lines automatically filling in a portion of the non-painted gap of the cycle with a black painted line without glass beads
			C. A provision to start the cycle with the paint portion of the cycle or with the skip portion shall be selectable
			D. On command, the timers shall immediately reset to "ready" or "start cycle" position
			1. The reset switch shall be located in the remote control operator panels
			2. There shall also be an off position
			E. All adjustments must be so that these functional changes can be made readily by the operator while the machine is in motion or stopped
			F. The timing system shall operate at speeds up to 15 MPH minimum at ambient temperatures from thirty (30) to one-hundred-seventy five (175) degrees F
			G. The controllers shall have a digital display with simple controls and inputs
			H. All components must be solid state and there shall be no moving parts, except the encoder, and this shall be electrically connected with no mechanical connections
			I. The system shall provide for bead gun delay to fully cover the paint line
			J. The system shall be pulsed from a magnet wrap on the drive shaft.
			K. Controller shall keep a constant cycle for 2-line striping when a skip line switches from one (1) paint gun to the other as the gun switch goes through neutral
			1. An alternate cycle feature shall be provided to allow three (3) preset switches from one (1) paint gun to the other as the gun switch goes through single switch on the fly
			L. A six (6) digit, digital reset, footage meter capable of measuring actual feet of line applied shall be supplied for each spray gun position
			1. The footage meters to be mounted in the master control center

			2. Footage counters shall accumulate and display upon command the total feet (or meters) painted by each striping gun to the nearest foot
			M. A handheld thumb control switch shall be provided for control of skip patterns using a manual, automatic, or semi-automatic setting when activated

NOTES/COMMENTS: _____

YES	NO	NO & PROVIDE ALTERNATIVE	22. CONTROL CENTER
			A. All electrical power circuits for the striping equipment shall originate from the Electrical Power Control Panel located in the lower section of the operator's control console
			1. Each circuit shall be color-coded wire and shall be protected by resettable type circuit breakers
			2. The circuit breaker panel shall be located inside the control console
			3. All junction blocks at the control box and on the gun carriages shall be protected from the weather and shall follow standardized cable color-coding
			a. Junction blocks are to be UL listed, rated at 40 amps
			4. The wiring harness between the junction blocks is to be protected by polyethylene corrugated loom wire covering
			a. Shrink tubing shall be used as a protective covering on the wiring from the cart junction box to the air solenoids
			b. Individual ground wires shall be supplied for all electrical components and functions. Chassis grounding is unacceptable.
			c. Cable connectors for the control boxes shall be quick disconnect plugs and receptacles designed for quick removal
			d. The connections shall be the correct gauge rated to withstand the current needed to operate the guns and control box
			B. A printer shall be installed to provide a hard copy of the footage counter data accumulated by the system as well as the data acquisition system if applicable

NOTES/COMMENTS: _____

YES	NO	NO & PROVIDE ALTERNATIVE	23. CONTROL PANEL
			A. The control panel to be metal and with an easy reach to the spray control operators
			B. The control panel to have easy access either through removable panels or hinged doors
			C. The panel to be equipped with separate regulators and gauges for the following:
			1. Solenoid control air
			2. Bead tank
			3. Loading pumps
			4. Carriage down pressure
			D. Regulators and gauges to be panel mount type
			E. Each air regulator to have an associated 0-200 PSli liquid filled pressure gauge
			F. The faceplate to be black anodized aluminum with etched control function labels. Sticker labels are unacceptable.
			G. A mounted light shall be supplied inside the control panel to make servicing more visible.
NOTES/COMMENTS: _____			

YES	NO	NO & PROVIDE ALTERNATIVE	24. INTERCOM SYSTEM
			A. The intercom system shall be hard-wired and weather tight. It shall provide vocal communication between the driver of the vehicle and the operator of the striping equipment
			B. System to be David Clark Model U3800 three (3) station system or equivalent Please state brand: _____
			1. One (1) station with volume control and two (2) headset receptacles at the drivers' position and one at each rear operator's station
			2. Three (3) headsets shall be provided, one single muff headset for the driver and two (2) dual muff headsets for the operator(s).
NOTES/COMMENTS: _____			

YES	NO	NO & PROVIDE ALTERNATIVE	25. LIGHTING SYSTEM
			A. The unit to have LED strobe light system
			B. Two (2) 360 degree strobe lights to be mounted off the front corners of the rear platform safety railings
			C. Two (2) 180 degree strobe lights to be mounted on the rear of the truck
			D. Two (2) 360 degree strobe lights to be mounted on top of the arrow board
			1. Arrow board to be single faced 4'x8' with 25 LED lights
			2. Controller to be installed in chassis cab for control of arrow board
			3. Arrow board to be mounted at rear of striper
			4. Arrow board and mounting to meet MUTCD standards
			E. Three (3) mini LED strobe lights to be mounted in a visible location on each gun carriage
			1. Lights to have amber lenses and face the outside, rear and forward of the carriages
			F. Unit to have nine (9) LED work lights for night painting
			1. One (1) mounted on front guide
			2. Two (2) at each gun carriage
			3. One (1) facing forward at the carriage
			4. One (1) facing rearward at the carriage
			5. Two (2) to illuminate the platform
			6. Two (2) to illuminate the paint loading pumps
<p>NOTES/COMMENTS: _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>			
YES	NO	NO & PROVIDE ALTERNATIVE	26. VIDEO GUIDANCE SYSTEM
			A. Guidance system to be a closed circuit TV system
			B. Two (2) Panasonic Model WV-CP504 cameras or equivalent to be used for guidance
			Please state brand: _____
			1. Cameras to monitored from chassis cab
			2. Cables and connections shall provide maximum protection from weather
			C. Cameras to be mounted in weather resistant enclosures
			1. Enclosures to be Pelco, Everfocus or equivalent
			Please state brand: _____
			D. Each camera to be mounted on an electrically adjustable slide out tube

			1. Tube to be controlled by a 3' electric cylinder to position cameras in line with gun carriage outriggers
			E. Camera outriggers to be under front portion of the platform
			F. One (1) minimum 10" LCD touch screen color monitor operating at 12 volt DC to be furnished
			1. Monitor to be located in truck chassis cab
			2. Monitor to be mounted between windshield and steering wheel on a steel slide tube mounting bracket
			3. Monitor to be movable between both drivers positions
			G. A Skip-Line, Inc. Model CVO-312 Video Overlay and Crosshair Generator to be provided to allow display on the guidance monitor data information such as speed, paint application rate, bead application rate or any information available from the Skip-Line, Inc. Model DL-08 data logger that is useful for the driver to monitor

NOTES/COMMENTS: _____

YES	NO	NO & PROVIDE ALTERNATIVE	27. PAINT AND BEAD MONITORING SYSTEM
			A. Computerized microprocessor system using stroke counters to provide readout in chassis cab as follows:
			1. Gallons of paint per color used per mile
			2. Total gallons of paint used on a particular day or job
			3. Overall readings to be within ten (10) gallons
			4. Reading to be visible to the driver at any time during or between operations
			B. Computerized micro-processor using 3 digital shear beam type load cells under the bead tank to provide readout in chassis cab as follows:
			1. Pounds per gallon of glass bead application in 1/2 lb. increments
			2. Total pounds used
			3. Reading to be visible to the driver at any time during or between operations
			4. A reading of total pounds used will also be displayed in the operators' enclosure
			C. A digital scale head to be provided to display the actual pounds of beads remaining in the tank without the use of a summing board
			1. Overall readings shall be accurate within ten (10) pounds
			D. An onboard computer management system shall include a customized minimum 7" LCD touch screen installed in the operators' cab

			E. A five (5) line text editor will allow input for operator's documentation of road numbers, time of day, etc. to be associated with the information provided by the data acquisition system
			1. Readouts to be provided for ambient temperature, road surface temperature and humidity level
			2. These readings will be recorded and included in any data recordings or printouts
			F. A printer to be provided for a hardcopy
			1. Printer to be located in the operator's cab
NOTES/COMMENTS: _____ _____ _____ _____ _____ _____ _____ _____			

YES	NO	NO & PROVIDE ALTERNATIVE	28. SPARE PARTS KIT
			A. There shall be included in the bid price, cost for spare parts kits to be shipped with the unit. Kit shall include the following.
			1. Six (6) gun activation air solenoids
			2. One (1) bead tank gasket
			3. Two (2) paint tank gaskets
			4. One (1) spare bead gun
			5. One (1) spare paint gun
			6. Two (2) paint gun repair kits
			7. Two (2) HP paint filter screens
			8. One (1) quart TSL
			9. Low pressure paint strainer gaskets. Gaskets to be compatible to solvent based paints
			10. Two (2) spare carriage tires (13" diameter)
			B. Spare parts herein furnished shall not be viewed as exempt from warranty of any component installed items
			C. Spare parts here furnished shall be warranted identical to installed items
NOTES/COMMENTS: _____ _____ _____ _____ _____ _____ _____ _____			

YES	NO	NO & PROVIDE ALTERNATIVE	29. TECHNICAL MANUALS
			A. Awarded bidder to provide two (2) sets of operator's manuals with each unit delivered.
			B. Awarded bidder to provide two (2) sets of service manuals with each unit delivered. Blueprints, schematics, etc. shall be included with the service manuals.
			C. Awarded bidder to provide two (2) sets of parts books & wiring diagrams for each unit delivered.
			D. Awarded bidder to provide one (1) Shop Repair Manual for the truck chassis.
			E. Awarded bidder to provide one (1) Shop Repair Manual for the striping equipment.
			F. Manuals may be in printed format, CD-ROM or online
NOTES/COMMENTS: _____			

YES	NO	NO & PROVIDE ALTERNATIVE	30. TECHNICAL SERVICES
			A. The services of at least one (1) factory technician, trained in the use and operation of the striping machine, shall be provided for a minimum period of four (4) consecutive days to instruct the purchasing agency personnel in the use, operation and maintenance of the machine upon acceptance.
NOTES/COMMENTS: _____			

YES	NO	NO & PROVIDE ALTERNATIVE	31. PILOT INSPECTIONS
			A. A pre-build meeting to be held at the NDOR facility
			B. A pilot inspection to be held at the vendor/manufacture's facility. Cost to include transportation, lodging and meals for three (3) NDOR employees.
			C. Vendor/manufacture must provide adequate space indoors to perform the inspection
NOTES/COMMENTS: _____			

YES	NO	NO & PROVIDE ALTERNATIVE	32. MISCELLANEOUS
			A. Manufacturer's standard warranty, complete pre-delivery inspection certificate, Manufacturer's Statement of Origin and line sheet will be required for each unit 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
			D. Unit must be furnished with all tools and accessories normally supplied by the manufacturer. Vendor must list any special tools supplied.
NOTES/COMMENTS: _____ _____ _____			

YES	NO	NO & PROVIDE ALTERNATIVE	33. WARRANTY
			A. The manufacturer's usual warranty shall apply to both parts and labor necessary to remedy defects.
			B. Warranty shall be in effect for a minimum of twelve (12) months after field assignment
			C. A copy of the warranty should be included with bid proposal.
NOTES/COMMENTS: _____ _____ _____			

YES	NO	NO & PROVIDE ALTERNATIVE	34. SPECIFICATION FORM
			A. The awarded contractor must complete specification form(s) and must accompany each unit when delivered. Form(s) will be supplied by the Department of Roads to the awarded contractor after purchase order is issued.
			B. If vendor does not properly complete a specification form(s) for each unit, a sum of \$250.00 per unit will be deducted from purchase order total.
NOTES/COMMENTS: _____ _____			

YES	NO	NO & PROVIDE ALTERNATIVE	<p align="center">35. SECRETARY OF STATE REGISTRATION REQUIREMENTS</p> <p>*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.</p>
			<p>A. Bidder is a SOLE PROPRIETORSHIP (in which case, no Letter of Good Standing/Certificate of Good Standing is required)</p>
			<p>B. Bidder is a GENERAL PARTNERSHIP (in which case, no Letter of Good Standing/Certificate of Good Standing is required)</p>
			<p>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.</p>
			<p>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.</p>
<p>NOTES/COMMENTS: _____</p> <p>_____</p>			

OPTIONAL QUOTES FOR EQUIPMENT

YES	NO	NO & PROVIDE ALTERNATIVE	1. EMERGENCY PAINT SHUT-OFF VALVES
			A. A solenoid controlled paint shut-off valve to stop paint flow to be provided at the outlet of each paint tank
			B. Each color of paint shall have a control switch installed on the main operator control console
			1. This switch shall also turn off the high pressure paint pumps of the color(s) selected
NOTES/COMMENTS: _____ _____ _____			

YES	NO	NO & PROVIDE ALTERNATIVE	2. MECHANICAL FRONT POINTER SYSTEM
			A. Front mounted, laterally adjustable assembly 6-10' long
			B. Tubular steel construction, telescoping, rigidly reinforced to prevent vibration
			C. Designed so it can be located outboard left side to guide from centerline or outboard right side to guide from edge line
			D. No tools shall be required to change the guide position from side to side, or extend and retract in length
			E. Guide to be equipped with a pneumatic power lift to raise from pavement to transport position
			1. Lift control switch to be mounted in the chassis cab
			F. The guide collapse into a convenient transport position and shall not obstruct the chassis driver
NOTES/COMMENTS: _____ _____ _____			

END OF SPECIFICATIONS