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**COUNTY OF EL DORADO
Procurement & Contracts**

ATTN: Purchasing Agent
360 Fair Lane
Placerville, CA 95667

INVITATION TO BID & BID 15-760-067

DUE: 3:00 PM – June 3, 2015

Sealed Bids must be clearly marked on the outside of the package with:

"BID #15-760-067, MAILROOM - DO NOT OPEN"

ALL BIDS SUBJECT TO GENERAL CONDITIONS

HIGHWAY PAINT STRIPER

General: The El Dorado County Procurement & Contracts Division is requesting bids for purchase of One (1) New Highway Paint Striper. The unit furnished to meet these specifications, including all equipment and accessories, must comply with all current regulations of (1) California Vehicle Code; (2) the California Air Resources Board (CARB or ARB) and Environmental Protection Agency (EPA); (3) CAL-OSHA standards as applicable; (4) the National Highway Traffic Safety Administration; (5) the California Bureau of Motor Carrier Safety and any other legal requirements that may apply.

Bid pricing shall be inclusive of factory rebates and incentives, dealer charges including dealer preparation, delivery & DMV processing and fees (The County is exempt for DMV vehicle license fees). Applicable tire fee will be added to the purchase orders; bidders shall not include this fee on the bid Quotation Schedules.

Information: For additional information, contact Rick Blake, Sr. Buyer, at (530) 621-5873 (email rick.blake@edcgov.us). Bidders shall direct all inquiries to the County Procurement and Contracts Division Purchasing Agent and shall not contact the requesting department directly regarding any matter related to this Invitation to Bid.

ALL BIDS SHALL BE QUOTED FREIGHT PREPAID FOB DESTINATION

Prior to preparing your bid submittal, please note the General Terms and Conditions, Instructions to Bidders, Item #3, which states:

Erasures, overwrites, and the use of correction fluid/tape are NOT acceptable.

Western Truck Center
Firm Name
1925 Enterprise Blvd.
Mailing Address
W. Sacramento CA 95691
City State Zip
916-375-3040
Phone

Brian Rottweiler
Signature of Authorized Agent
Brian Rottweiler
Print Name & Title of Authorized Agent
June 2, 2015
Date
916-375-3047
Fax

B.Rottweiler@WTPE.com
E-Mail Address

Bid Preparation / Submittal Checklist

- [✓] All required bidder information on Page one (1) of the Invitation to Bid is completed and has the original signature of an authorized agent.
- [✓] Note that erasures, overwrites, and the use of correction tape/fluid are NOT acceptable. Refer to Item #3 of the General Terms and Conditions for specific instructions.
- [✓] Any vehicles bid on the Quotation Schedule are bid 100% complete, including "Yes" / "No" (Y/N) marks and exceptions to defined specifications on Pages eleven (11) through twenty-eight (28).
- [✓] Note any prompt payment discounts available on the Quotation Schedule, Page twenty-nine (29).
- [✓] Indicate delivery lead times on the Quotation Schedule, Page twenty-nine (29).
- [✓] A valid California Seller's Permit number is entered on Page six (6).
- [✓] All requirements of Invitation to Bid have been met.
- [✓] Local Vendor Preference Affidavit of Eligibility if applicable. Link to form information available on Pages seven (7) and eight (8).
- [✓] Note any exceptions to bid specifications on Page thirty (30).

General Terms and Conditions

Instructions to Bidders:

- (1) Bidders are responsible to see that the bid is received in the Procurement & Contracts Division prior to the bid opening deadline. Late bids will be returned unopened.
- (2) All bids must be submitted in ink on the bid form. Cover letters, additional sheets, etc. may be included. The total bid excluding sales tax must appear on the bid form as indicated.
- (3) Erasures, overwrites and use of correction fluid or tape are NOT acceptable. All changes (price, model numbers, part numbers, etc.) must be lined out and corrections inserted adjacent to and initialed by the bidder's authorized representative.
- (4) Vendor is required to quote "NEW" equipment, material or product. Recycled, remanufactured, or previously owned product will not be accepted unless otherwise stated in the Invitation to Bid.
- (5) All bids must include the company name and address and must be signed by an authorized representative of the company; signature must be an original signature, or an original signature stamp, on the County Bid Form.
- (6) Alternate or incomplete bids will NOT be accepted.
- (7) The County, at its sole option, may correct arithmetic or extension errors, and obtain clarification, if necessary.
- (8) If no terms discount is to be offered, the terms portion of the bid form shall state "NET".
- (9) If delivery specified is impossible, bidder must state best delivery available on the bid form. Number of days shall mean calendar days After Receipt of Order (ARO). Bids quoting delivery beyond the requirement may be rejected.
- (10) Bid modifications, corrections, or additions received beyond the bid deadline will NOT be considered.
- (11) Telephone, facsimile, or emailed bids will NOT be accepted.
- (12) Bid prices shall be firm for a minimum of sixty (60) calendar days from the bid opening unless otherwise indicated on the bid form.
- (13) By submitting a response to this Invitation to Bid, Bidder acknowledges and accepts the County's standard terms and conditions incorporated as Exhibit "A".
- (14) Any alteration to the Invitation to Bid must be added in addenda form, and must be issued by the County Purchasing Agent.

- (15) Protest Procedure: Award of bid will be published on the County's website:

www.edcgov.us/Contracts/BidResults.asp

Bidders have ten (10) business days from the date of the posting to submit a letter of protest to the Purchasing Agent. Letter must be signed by an authorized representative stating specific reason(s) for the protest including all relevant facts (law, rule, regulation, criteria).

Brands:

- (1) The use of brand and/or manufacturer names in the bid specification is for descriptive purposes only. Unless otherwise specified, products of comparable quality and performance will be considered.
- (2) Bidders offering other than the referenced brands are to note their brand name and catalog model number on the bid form.

Guarantees:

- (1) All items purchased shall be guaranteed against defects when used for the purposes for which they were designed for.

Taxes:

- (1) Bidders shall NOT include Federal Excise Taxes. An exemption certificate will be furnished to the successful bidder upon request.
- (2) Applicable taxes and fees will be added when the purchase order is issued.

Samples:

- (1) Samples of items, when required, must be furnished to the County at the bidder's expense. If possible, samples will be returned upon request and at the bidder's expense. Samples of selected items may be retained for comparison.

Bonds:

- (1) The County reserves the right to require the successful bidder to provide a performance bond in an amount determined by the County. Unless specifically required on the bid form, a performance bond will NOT be required.
- (2) Certification of the performance bond shall be required following bid award and prior to the release of a purchase order.
- (3) Unless specifically required on the form, bidder's bonds will NOT be required.

Award:

- (1) Regardless of amount, unless specifically approved by the County Board of Supervisors, award shall be made to the lowest responsive, responsible qualified bidder.
- (2) In determining the successful bidder, consideration will be given to quality, delivery, warranty, compatibility with existing equipment, and any other information considered to be in the best interests of the County.
- (3) It is unlawful for any person to furnish supplies or services or transact any kind of business in the unincorporated territory of EL Dorado County without possessing a County business license unless exempt under County Code Section 5.08.070. Contact Tax Collector's Office, 360 Fair Lane, Placerville, CA 95667, telephone (530) 621-5800, for further information.
- (4) In accordance with Board Policy, 5.7.1, effective October 11, 2006, the local vendor preference is 5%. Vendor shall have established a place of business within El Dorado County prior to publication of the call for bids.
- (5) The County of El Dorado is an equal opportunity employer (EOE). Minorities, Females and Handicapped are encouraged to participate (M/F/H).
- (6) If the bid is on an "All or Nothing" basis, bidder shall so state. The County reserves the right to make awards on individual items of a multiple item bid if deemed to be in the best interest of the County.
- (7) The County reserves the right to reject any and all bids, or to waive any informality or nonsubstantial irregularity in any bid.
- (8) The County reserves the right to purchase quantities by necessity only regardless of approximate quantities indicated on the bid form. Bidder shall also have the right to refuse sale in reduced quantities; in such instances, the award shall go to the next lowest qualified bidder.
- (9) In case of default by vendor, the County may procure the articles or service from other source and may recover the loss occasioned thereby from any unpaid balance due the vendor or by proceeding against performance bond of vendor, if any, or by legal process against vendor. The prices paid by County shall be considered the prevailing market price at the time such purchase is made.

Specifications: Equipment specifications are a general guideline. Minor deviations from these specifications may be accepted at the sole discretion of the County. Major exceptions, which, in the opinion of the County, affect the function of the equipment, will not be accepted. Additional specifications are as follows:

1. Vehicle cannot require the use of premium or specialty fuel products.
2. A factory authorized service facility must be located within seventy-five (75) miles of 2441 Headington Road, Placerville, CA 95667 (Fleet Services) for the make of the vehicle bid.
3. Vehicle equipment not specified on the bid but included standard on the vehicle shall be included at delivery at no additional charge.
4. **"Minimum"** - Defined as only acceptable level of equipment at lowest level; quotes for "higher level" equipment will be accepted in these areas.

Requirements: Bidders failing to comply with any of the following requirements will not be considered for the evaluation and award process:

1. Bidders are required to complete all line items in the Quotation Schedule regardless of any attachments.
2. Bidders must complete the "Yes" / "No" (Y/N) column with either "Y" indicating the equipment specifications are exactly the same as the bid specifications or an "N" indicating that the bid equipment specifications are not exactly the same. **Do not use checkmarks.**
3. **Bidders not responding with a "Y" or "N" may be rejected and not considered for evaluation and award.**
4. Any specifications marked with an "N" must also include the exact specification being bid that deviates from the bid specifications in the "Exceptions" column. **Failure to include this information may cause the bid to be rejected and not considered for evaluation and award.**
5. Bid price must remain in effect for a period of **no less than ninety (90) days** from the date of the bid opening.

California Sales & Use Tax Requirement: Any bidders located outside of the State of California selling goods to the County must possess a valid and current California Seller's Permit at the time of bidding and maintain such permit in good standing throughout the awarded period.

Provide California Seller's Permit Number: SR40H97589085

Delivery: Product shall be delivered F.O.B. destination, freight prepaid, on ground or inside delivery to the following location:

Community Development Agency
Transportation Division
2441 Headington Road
Placerville, CA 95667

Incomplete and Altered Bids: Incomplete or altered bids, and bids containing items not called for in the bid may be rejected. Bids submitted on forms other than those furnished by the County will not be considered.

Terms and Conditions: The County will not consider any terms and conditions other than the terms and conditions contained in the subject bid. Bidders submitting their own terms and conditions will not be considered and will be rejected. Any bid response containing alterations to the General Terms and Conditions or terms and conditions contained in the subject bid, will not be considered and will be rejected.

Merchantability: There shall be an implied warranty of merchantability and fitness of an intended use. Any bid submittals taking exception to this requirement may, at the County's option, be considered non-responsive.

County's Rights: The Purchasing Agent reserves the right to not enter into any agreement, cancel this process at any time, amend this process at any time, or to award more than one contract to the lowest, responsive, responsible bidders if it is in the best interest of the County.

Returns: The County reserves the right to return product within thirty (30) days of receipt by the County for credit or refund without a shipping or restocking fee. Product returned shall be in good condition and in the original package (if applicable). Defective product or product under warranty may not always be returned in the original package.

Federal, State, and Local Laws: The successful bidder must operate in conformity with all applicable, federal, state, and local laws. It is the responsibility of the awarded bidder to ensure that all permits and/or licenses required for operation are valid and current. Failure to comply with this provision may be cause to cancel any contract awarded, and award will be made to the next lowest, responsive, responsible bidder.

Business License: It is unlawful for any person to furnish supplies or services, or transact any kind of business in the unincorporated territory of El Dorado County without possessing a County business license unless exempt under County Code Section 5.08.070. Contact the Tax Collector's Office at 360 Fair Lane, Placerville, CA 95667, or phone (530) 621-5800, for further information. El Dorado County is an equal opportunity employer (EOE). Minorities, females, and handicapped are encouraged to participate.

It is not a requirement to possess a County business license at the time of bid submittal. Successful bidders may be required to possess a County business license to award bid.

Local Vendor Preference: In accordance with Board of Supervisor's Policy C-17 section 5.7.1 a local preference credit of 5% for El Dorado County businesses will be permitted when evaluating bids for supplies and equipment that are not part of a public project.

In order to qualify for the local preference authorized by this Section, the vendor seeking such preference shall be required to submit with its bid a statement containing relevant information which demonstrates compliance with the provisions of this section. The statement shall be on a form provided by the Purchasing Agent and shall be signed under penalty of perjury. Any person, firm, corporation or entity intentionally submitting false information to the County in an attempt to qualify for local preference may be prohibited from bidding on El Dorado County products and services for a period of one (1) year from the date of the false submittal. Bidders claiming local vendor preference must submit the Affidavit of Eligibility with their bid response. The Affidavit may be downloaded by clicking on the following link:

<http://www.edcgov.us/Contracts/pdf/LocalVendorPreferenceForm.pdf>

Where state sales tax will be paid for the purchase, the local business must possess a valid resale license from the State Board of Equalization showing evidence of a local business address within El Dorado County. If the local business has more than one office in the State of California, the office located in El Dorado County shall be the point of sale credit for the purpose of sales tax calculation.

Compliance: Late, incomplete, incorrect deliveries or excessive backorders will be documented, and performance evaluated when considering contract continuation or extension. Inaccurate or erroneous billing will also be documented and monitored for the purpose of evaluating performance when considering continuation or extension of contract. Failure to meet quoted delivery time frames, or inaccurate or erroneous invoices (as determined by the Purchasing Agent) may be cause for the County to cancel the balance of the awarded blanket purchase order and award will be made to the next lowest bidder. Failure to receive County concurrence for substitutions or alternates will be documented and considered when evaluating continuation or extension of contract.

Invoices and Payment Terms: Invoices are to be mailed to the County department(s) specified on the resulting purchase order, blanket purchase order or contract. All invoices must include the purchase order number, blanket purchase order number, or contract number, County stock numbers when applicable, product description and reference to back ordered items. Invoices must be exclusive of product other than bid items. Failure to comply may result in delayed payments.

The County will make payment on a Net thirty-day (30-day) basis unless a cash discount of one-half percent (1/2%) or greater, which amounts to \$2.50 or more, is allowed for payment within not less than twenty (20) days. The payment term shall begin on the date the merchandise is inspected, delivered and accepted by the County, or on the date a correct invoice is received in the office specified in the order, whichever is later. Prompt payment discounts shall be considered earned if payment is postmarked or personally delivered within the prescribed term. The beginning date described above shall be considered day zero for the purposes of counting days in the prescribed term.

El Dorado County Web Site Requirements: It is the bidder's responsibility to monitor the County's website for possible addenda to this bid to inform him/herself of the most current specifications, terms, and conditions, and to submit his/her bid in accordance with the original bid requirements and all addenda. All available bids and related addenda can be found at:

<http://www.edcgov.us/Contracts/invite.asp>

Failure of bidder to obtain this information shall not relieve him/her of the requirements contained therein. Those bidders not acknowledging and returning Addenda as required will not be considered and will be rejected as "non-responsive."

Public Agency: It is intended that other public agencies (i.e., city, special district, public authority, public agency and other political subdivisions of the State of California) shall have the option to participate in any agreement created as a result of this Invitation to Bid with the same terms and conditions specified there in, including pricing. The County shall incur no financial responsibility in connection with a purchase order from another public agency. The public agency shall accept sole responsibility for placing orders and making payment to the vendor.

Addenda: Addenda to this bid are valid only if in writing and issued by the Procurement & Contracts Division and are required to be acknowledged and returned by participating bidders in order for the bidder to be considered further in the evaluation process. Unless otherwise indicated, those bidders not acknowledging and returning Addenda as required will not be considered and will be rejected as "non-responsive."

Non-Collusion: The bidder certifies that this bid response is made without any previous understanding, agreement or connection with any person, firm or corporation making a bid for the same project, and is in all respects fair, without outside control, collusion, fraud or otherwise illegal action.

Conflict of Interest: Bidder states that no County officer or employee, nor any business entity in which they have an interest, has an interest in the bid award been employed or retained to solicit or aid in the procuring of the resulting contract, nor that any such person will be employed in the performance of such contract.

Evaluation: Bids will be evaluated based on meeting or exceeding minimum specifications. Bids submitted on the basis of "All or Nothing" may be rejected. Bid evaluation shall include applicable prompt payment terms discount. If payment cannot be made within the discount period, payment terms shall revert to Net thirty (30) days.

Award: The bid may be awarded by grand total to the lowest responsible and responsive bidder complying with the provisions of the Invitation to Bid. In determining whether a bid is lowest and responsive, and the bidder is responsible, the following may be considered by the County: a) Ability to perform the service required within the specified time; b) Reputation, judgment and experience; c) The quality of performance in previous contracts; d) Previous compliance with laws as well as employment practices; e) Financial ability to perform the contract; f) The quality, availability and adaptability of the supplies or the contractual services to the particular use required; g) Ability to provide maintenance and service; h) Whether the bidder is in arrears to the County, in debt on contract, is a defaulter on surety to the County or whether the bidder's taxes or assessments are delinquent; i) The resale value and life cycle costs of the items; and j) Such other information as identified in the Purchasing Ordinance having bearing on the decision to make the award. The decision of the County Board of Supervisors shall be final in determining the successful bidder.

Additional Purchases: Following the bid award, the Purchasing Agent may dispense with separate bidding for additional purchases of the same item(s) from the successful bidder within a twelve (12) month period from the initial purchase date provided that the vendor agrees to provide the item(s) at the same price and under the same terms and conditions as the previous award.

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Bid Results: The Procurement and Contracts Division does not mail out hard copy letters advising participating bidders of the bid results. For bid results, please visit our website at:

<http://www.edcgov.us/Contracts/bidresults.asp>

Bid results will be posted approximately ten (10) to fourteen (14) business days after the bid opening deadline date or when the evaluation is complete.

Bid Submittal: *All bidders are advised to read the General Terms and Conditions starting on Page three (3) through five (5) of this Invitation to Bid prior to submitting a bid.*

Bids must be submitted in a sealed container or envelope clearly marked on the outside:

"BID # 15-760-067, MAILROOM - DO NOT OPEN"

Bids will be accepted Monday through Friday from 8:00 a.m. to 5:00 p.m. Bids must be received in the Procurement & Contracts Division by **3:00 p.m. June 3, 2015:**

Mailing/Physical (Fed Ex, UPS etc)
EL DORADO COUNTY
PROCUREMENT & CONTRACTS (PURCHASING)
360 FAIR LANE
PLACERVILLE, CA 95667

It is the responsibility of the bidder to assure that the bid is received in the Procurement & Contracts Division prior to the bid opening deadline date and time. Bids received beyond the bid opening deadline will not be accepted and will be returned unopened. The time stamp clock located in the office of the Procurement and Contracts Division will serve as the official time clock.

Late bids, unsealed bids, unlabeled bids, incomplete bids, or bids otherwise not in compliance with the General Terms and Conditions of this Invitation to Bid, will be rejected.

By submitting a response, bidder acknowledges and accepts the General Terms and Conditions and all terms and conditions contained in this Invitation to Bid.

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Quotation Schedule

One (1) New, Highway Paint-Striper: Mounted On; Single Drive Axle Truck Cab Over Chassis with Factory Dual-Steering/Dual Seated Driver Positions

It is the intent of these specifications to describe a Truck Mounted Highway Striper, self-contained and self-propelled, capable of operating at speeds of 3 MPH up to 12 MPH minimum, while applying three (3) lines of paint in three (3) colors at 15 mils thick. The unit offered shall be a NEW unused model in current production, equipped with all standard equipment for the model unless specifically excluded by these specifications. The unit shall be delivered complete with a minimum of 10 gallons of diesel fuel and completely ready to operate. The successful bidder shall provide all documents necessary for registration with the California DMV to acquire Exempt California License Plates. The unit offered shall meet the following MINIMUM specifications. No deviations or exceptions will be allowed unless complete descriptive information and literature is supplied with the bid. A separate "exceptions" sheet shall be furnished for the bidders, for explaining in detail as to what their exception is and difference in design to these specifications. Requesting that a specification be removed is not considered a proper exception, and will be grounds to disqualify a bidder. Any exception(s) not meeting the requirements or functional needs of the Traffic Operation Unit will be rejected.

APPLICABLE SPECIFICATIONS: The unit furnished to meet these specifications, including all equipment and accessories, must comply with all current regulations of (1) California Vehicle Code; (2) the California Air Resources Board (CARB or ARB) and Environmental Protection Agency (EPA); (3) CAL-OSHA standards as applicable; (4) the National Highway Traffic Safety Administration; (5) the California Bureau of Motor Carrier Safety and any other legal requirements that may apply.

EQUIPMENT SPECIFICATIONS:

YES	NO	Equipment Finish
<u>Y</u>	___	(a) The entire machine, including truck cab, all body and bed sheet metal surfaces, shall be coated with at least one coat of heavy-duty rust resistant primer and at least three coats of high quality and impact resistant automotive acrylic enamel paint (minimum) in industry standard school bus yellow.
<u>Y</u>	___	(b) Under-carriage frame components shall be painted with impact resistant black paint.
<u>Y</u>	___	(c) All equipment brackets and assemblies shall be powder-coat black.

YES NO Truck Chassis

- (a) Truck Chassis shall be a **Brand:** AutoCar brand model Xpeditor 4X2 Cab-Over (or equivalent). It must be North American made product (No Exceptions).
- (b) GVWR rating or 43,000 lbs. (20,000 front, 23,000 rear) OR as required for completed striper add-on equipment with all containers filled to capacity and four (4) crew personnel, whichever is greater. Chassis shall include air-ride suspension.
- (c) Truck engine shall be latest model **Brand:** latest model Cummins ISL9 (no exceptions to brand) Certified Clean diesel powered providing 345 gross horsepower (minimum) and approved by Paint Striper Manufacturer.
- (d) Shall be equipped with air brakes and anti-lock systems and heated air dryer.
- (e) Wheelbase shall be not less than ^(171 approved) 176 inches and not more than 184 inches to accommodate narrow and curvy roads in the foothills of the County.
- (f) Engine shall meet all ARB/EPA emission requirements from the factory with no aftermarket exhaust after treatment systems. Diesel particulate filter(s) shall have an "on demand regeneration mode" capability and be of "passive" regeneration design.
- (g) Fuel tank shall be 100 gallon minimum mounted on the driver's side of cab. Diesel Exhaust Fluid (DEF) tank shall be in similar area for ease of refilling and checking during fueling.
- (h) Alternator shall be a minimum of 160 amps, heavy duty construction.
- (i) Transmission shall be an Allison 3000RDS electronically controlled automatic compatible with truck chassis and engine configuration and operating road speed requirements as well as highway drivability.
- (j) Suspension, wheels and tires shall be as required to be compatible of completed specifications for combination of truck and paint striper at fully burdened weight capacity and meeting all requirements of the state of California Highway Patrol and all Vehicle Codes that pertain.
- (k) Truck Cab shall be of "cab-over" design, tilt type constructed from corrosion-resistant steel and Cathodic Electrocoat dip process. Drivers seats (left and right) shall be air-ride and air adjustable with recline adjustment and lumbar support. Other basic cab features required include; left & right side sun visors, air horn and electric horn, two-speed windshield wipers w/intermittent function (minimum) and washer system, seat belts, air conditioning, heater/defroster, right & left outside power adjustable dual-pane with integral blind-spot style truck mirrors.

YES NO Truck Chassis (Continued)

- Y (l) OEM **dual-steering and dual-seated driver positions** with full controls, gauges and monitors provided to both positions shall be provided. (Aftermarket steering systems will not be considered).
- Y (m) Lighting shall include standard: headlights; halogen, four-way flasher, cab clearance, LED stop/tail/turn lamps, LED marker lamps and rear identification and license plate lamps.
- Y (n) A low speed control system shall be provided to maintain speeds ranging from 3 MPH to 12 MPH with a digital speedometer readout which may be separate from the standard truck speedometer.
- Y (o) A wireless rear-view color camera and monitor system shall be provided for the driver to see to the rear roadway at all times (not only in reverse). The monitor shall be centrally located on the center of the dash to be viewed from either right or left driving position.

YES NO PLATFORM

- Y (a) The platform shall be of heavy-duty steel or aluminum construction of adequate size and strength to accommodate all equipment, materials and components of the Highway Striper, including: steel tubing covered by non-skid diamond plate decking, with longitudinal stringers longitudinal stringers of 2" x 4" tubing running the length of the deck, and cross members being 2" x 2" tubing at 16" on centers running the length of the deck and a perimeter "rub" bar tubing shall be of 1.5" x 3" tubing on the full deck. (Minor structural exceptions must be detailed to be considered).
- Y (b) Risers placed to create a space between the platform deck and chassis frame, to accommodate electrical and plumbing and allow for ease of service and repairs shall be not more than 4 inches in order to keep the profile of the machine as low as possible.
- Y (c) There shall be access ladders provided with a steel railing around all walk areas. The ladders will be positioned to give the best access possible in order to service the various equipment and accessories. Ladders shall be of folding design. A safety chain shall be provided to close off ladders access at the walk area level on the platform when ladder(s) are deployed, to continue the fall protection of the full walkway railing system. Railings and attached hardware shall be of rounded design to prevent sharp edges and accidental snagging of workers clothing and gear. When in the travel position, no ladder shall block or impede the vision of the operators from the operator's enclosure stations in any way. Details of ladder quantity and positions to be finalized at the pre-construction meeting and shall not affect the awarded bid pricing.
- Y (d) Machine shall have fire extinguishers mounted and placed as appropriate in both Truck and Striper locations.

YES NO PLATFORM (Continued)

- Y ___ (e) Two (2) storage/tool container boxes sized 24"L x 18"W x 18"H shall be provide at the rear of the machine on the right and left hand side mounted to the rear bumper, of steel construction with top-lid type openings and lockable, painted black.

YES NO POWER SYSTEM

Pneumatic and Hydraulic systems shall be provided as follows:

- Y ___ (a) An air compressor shall be provided to supply air to all pneumatic equipment. The compressor shall have a minimum capability of supplying 210 CFM of 'free air' per minute at 100 PSI and have an automatic engine/compressor control to regulate demand. An air receiver shall be attached and constructed in accordance with all ASME code and safety regulations for unfired pressure vessels. Receiver vessel shall be a minimum of 10 gallon in size and have moisture drain and safety pressure relief valve.
- Y ___ (b) The compressor shall be powered by an auxiliary Tier-4I compliant diesel and water-cooled engine. The engine shall provide additional accessory drives to the hydraulic pump and air conditioning compressor for the rear operator's station as well. The compressor and engine shall be assembled as a unit by the compressor manufacture to meet manufacture specifications and warranty requirements of each. A fuel lift-pump shall be provided to supply fuel from the truck chassis tank.
- Y ___ (c) The air compressor and engine unit shall be contained by a manufacturer insulated enclosure and include full service and inspection access with removable air filter elements. System shall have 12 volt starting and shut-down with protection provisions. All controls, indicators and gauges shall be located in the rear operator's station main control panel.
- Y ___ (d) The air supply is to be conditioned by a suitable finned tube type air cooler, followed by a two-stage air dryer and line lubricators prior to gun solenoids (one per carriage). A separate coalescing type moisture separator shall be installed prior to the glass bead tank.
- Y ___ (e) All air control lines to the striping guns and electro-air valves shall be not less than 1/4" ID solvent resistant tubing tested to 125 psi or comparable.
- Y ___ (f) One pressure compensated piston type hydraulic pump shall be provided, and directly mounted to the auxiliary engine. (Belt driven pump is not acceptable).

YES NO HYDRAULIC RESERVOIR

- Y ___ (a) A hydraulic reservoir (30 gallon Minimum) shall be provided to provide adequate cooling for the system, during maximum capacity.
- Y ___ (b) The reservoir shall be equipped with an internal baffle, sight level and temperature gauge and vented fill cap. The reservoir shall be situated above the inlet of the hydraulic pump to ensure flooded inlet suction to the pumps.
- Y ___ (c) The return port on the reservoir shall be equipped with a 50 gallon per minute, 10 micron absolute hydraulic return filter. The return filter shall be an in-tank type with a replacement indicator gauge and any necessary valving required for isolation of filter during servicing.
- Y ___ (d) The system shall include an oil after-cooler equipped with a thermostatically controlled electric fan to prevent overheating and maintain proper oil operating temperature for optimum performance and pump longevity.
- Y ___ (e) All high pressure hydraulic hoses shall be rated at minimum of 2000-psi working pressure. 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 maintenance is performed.

YES NO OPERATORS ENCLOSURE

- Y ___ (a) The Unit shall be equipped with a central command center operators enclosure located at the rear of the chassis measuring approximately 102" wide x 60" deep x 76" high by outside dimensions. Support posts shall be engineered to facilitate strength without interfering with operator's vision of the operation of the striping equipment.
- Y ___ (b) The design of the enclosure shall be of rounded corners and angled surfaces as necessary to reduce possibility of operator's snagging clothing or personal protective equipment. The floor shall be covered with a minimum 1/2" thick insulated rubber mat over the entire area.
- Y ___ (c) The enclosure shall be constructed of heavy-duty aluminum tubing and covered with 10 gauge aluminum sheeting with electrically welded joints and seems and be fully weather proof, insulated for temperature and sound not to exceed 72 decibels in all modes of operation (steel construction is acceptable provided that the added weight does not cause issue with GVWR of specified chassis). Windows shall be safety glass and tinted as appropriate for function and visual requirements. Structure design shall include Bay-Window style with lower "inverted" angled fixed glass framing on right and left sides to allow absolute visual ability of the operator(s) while seated operators seat comfortably both forward of the truck and downward to the pavement next to the path of travel without need to stand or lean in an awkward position to see the paint guns or carriage equipment in operation. Vertical side and rear windows shall be slide operable to open horizontally. The Platform shall be designed to be flush at the

YES NO OPERATORS ENCLOSURE (Continued)

base mounting point of the operator's enclosure body as to not impede line of site of the operator's. All glass is to be light tint safety laminated type wherever possible for ease of replacement by local vendors and not require special order from OEM.

Y ___ (d) The enclosure shall provide an enter/exit door at rear. The rear door shall be the primary access and egress and shall include a full stairway with hand rails to facilitate a 3 point foot/hand hold with non-skid surface on the steps, and be integral to the rear bumper of the chassis. The step nearest the ground shall be no more than 20 inches off the ground (an additional folding step may be added to accommodate this requirement if necessary).

Y ___ (e) Two air-ride and air-adjustable suspension high-back Captain Chair style seats with adjustable arm rests shall be provided for the operators control stations on the left and right side. Adjustable seat belts shall also be provided.

Y ___ (f) The enclosure shall be provided with a heating and air conditioning system, minimum 33,500 BTU A/C and 48,000 BTU heating climate control. A/C unit shall be mounted vertically on the forward facing center wall section between the right and left windows. Roof mounted units are not acceptable. Also, shall provide two variable speed circulation fans for use independently for additional air circulation and glass clearing (location of fans TBD at pre-construction meeting).

Y ___ (g) All bidders shall provide detailed drawings and pictures of entire enclosure and control stations to ensure that it is of an ergonomic design and allows for full view of paint and bead guns by the operators to suit the requirements of the County.

Y ___ (h) Central white overhead RV style dome lamp fixtures shall provide primary lighting for overall area.

YES NO CONTROL PANELS

Y ___ (a) Two (2) operators control panels shall be provided which will include all controls for paint and bead application systems specific to the side of the station mounted for left and right hand side carriages and mounted on multiple adjustment pedestals next to the operators' seats. Exact positioning of this control shall be determined at the pre-construction meeting.

Y ___ (b) A main control/dash panel shall be provided to control and monitor all functions of the paint striper systems from the rear operator's enclosure stations. It shall include but not limited to auxiliary engine on/off/ignition controls, indicator gauges for air pressure, hour meter, voltmeter, engine oil pressure, engine coolant temperature, air filter restriction monitor, air and hydraulic systems adjustments and gauges and compressor discharge temperature. Final design of this control panel shall be determined at the pre-construction meeting.

YES NO CONTROL PANELS (Continued)

Y ___ (c) All switches and gauges on the main dash and remote control panels shall be properly marked and identified with engraved labeling. Use of decals or sticker labels will not be accepted.

Y ___ (d) Main dash panel and remote control panels shall be properly illuminated by dash lite-pods if not lit in another way.

YES NO ELECTRICAL

Y ___ (a) All electrical components (i.e. wiring, junction blocks, connectors and circuit breakers) shall be UL listed approved and current production products.

Y ___ (b) All power circuits shall originate from a central Electrical Power Control Panel which shall be installed in an accessible location inside of the operators station enclosure as part of the central control panel assembly.

Y ___ (c) All circuit wiring and wiring harnesses shall be properly color coded and identified throughout the circuits run and protected by resettable circuit breakers.

YES NO OVERALL HEIGHT

Y ___ (a) The maximum clearance height of the entire truck and striper machine complete with all components shall not be more than 12 feet 4 inches at the highest point.

EXTERIOR LIGHTING SYSTEMS

YES NO WARNING LIGHTING

Y ___ (a) Four (4) LED 360 degree beacons with rotational setting capability; **Brand:** Whelen model L360 L31HF or equivalent shall be mounted, two (2) above the truck cab, one on the right and one on the left and two (2) above the rear operators command center enclosure, one on the right and one on the left side rearward area and shall have brush guards **Brand:** Whelen Kit # L360BGB or equivalent.

Y ___ (b) An LED Traffic Advisor arrow board shall be mounted at the rear of the striper unit and shall be a **Brand:** Whelen model TA1652L or equivalent. Traffic Adviser panel shall not impede access to the rear operator's station. Board must not be more than 12 feet from the ground at its highest point and have a protective "brush guard" on the back-side to provide tree limb impact protection. Board shall be of stationary design (swing-up design will not be acceptable).

Y ___ (c) Mini Whelen brand amber LED strobe lights shall be mounted and positioned on each paint gun carriage assembly out-board ends.

YES NO EXTERIOR LIGHTING SYSTEMS (Continued)

Y ___ (d) All warning lamps, strobes, beacons and traffic advisor arrow board shall be operated through a central controller panel and mounted in the truck cab for operation by the driver.

YES NO INTERCOM SYSTEM

Y ___ (a) A voice activated (VOX) intercom system shall be provided for inter-communication between the driver in the truck cab and the operators in the rear operations command center enclosure with on/off controls for each unit and provide headset hangers to secure when not in use. (Hanging headsets on interior rails not intended for this function will not be accepted).

Y ___ (b) The system shall be a three headset system by the David Clark Company master station series H3492 over-the-head single earphone headsets.

Y ___ (d) The system shall incorporate a David Clark Company radio interface module which will allow for communication from the three paint striper personnel to communicate through the counties 2-way radio with other pilot and/or chase safety vehicles. This function shall be foot-switch PTT activated.

YES NO PAINT CONTAINERS

Y ___ (a) Overall traffic paint bulk storage capacity is not to be less than 420 gallons. Three color paint containers may be sectioned in a single tank configuration and shall be constructed of 10-gauge stainless steel and non-pressurized design. Tanks shall consist of one (1) 170 gallons for yellow, one (1) 170 gallons for white and one (1) 80 gallons for black paint colors. Tanks shall be designed for easy clean out.

Y ___ (b) The paint tanks shall be equipped with a hydraulically driven paint agitator. A nominal 12 inch square inspection port with a heavy duty over-center latch and rope-seal is to be provided. All tanks shall have a pressure equalization vent and a dip-stick. The tanks shall be filled from the bottom of the tank. They shall also have a bolted style removable top and two inch slope toward the outlet of the tank. A four inch splash area shall be provided at the top of each tank. All interior tank surfaces and agitator shafts and paddles shall be coated with a graphite based coating to facilitate clean-out.

YES NO PAINT LOADING

Y ___ (a) The unit shall be equipped with three (3) air-driven, Teflon diaphragm-operated pumps (ARO or equal), to load yellow, white and black paint from industry standard totes into the platform mounted containers. These pumps shall also be used while painting to transfer paint and provide charge pressure to the high-pressure paint pumps.

YES NO PAINT LOADING (Continued)

- Y ___ (b) Transfer pumps shall have a maximum flow rate of 170 GPM.
- Y ___ (c) A cam-lock male/female connection shall be installed between the loading tube and the suction hose.
- Y ___ (d) The pumps shall have a minimum of 2" inlet and outlet port and be equipped with a 12' long by 2" wide ID loading hose.
- Y ___ (e) Pumps shall be installed with the appropriate plumbing and valving to allow each pump to simultaneously fill each paint container from its bottom fill porting and all three colors will fill from the right side of the platform located mid-ship in front of the rear wheels.
- Y ___ (f) The pumps shall also be installed with the proper plumbing and valving to allow flushing with proper cleaning solutions from an external source through the pumps and paint distribution manifolds.
- Y ___ (g) All wetted plumbing components in the paint loading system shall be constructed of stainless steel, including but not limited to pumps and filtration assemblies.

YES NO PAINT HEATING

- Y ___ (a) A paint heating system shall be provided capable of heating two colors (yellow & white) simultaneously at maximum paint application striping speed. The system shall use the cooling system of the auxiliary engine. The system shall insure constant relative viscosity of the materials throughout the paint flow system.
- Y ___ (b) An automatic recirculation system shall be provided to ensure paint temperature remains at constant heated setting during idle periods with spray guns closed. A time-delay control shall be provided to allow the operators up to 15 seconds before automatic recirculation begins.
- Y ___ (c) The two-stage system shall allow separate and automatic heat control at each exchanger and use insulated paint hoses to ensure the maintenance of desired temperature without overheating the paint in the exchangers.
- Y ___ (d) The system shall consist of three (3) separate four-pass heat exchangers. The two (2) water/glycol mixture to paint heat exchangers shall have a heat transfer area of not less than seventy (70) square feet each for maximum efficiency. A third water/glycol heat exchanger of not less than thirty-four (34) square feet transfer area and shall be in-between the auxiliary engine and the paint system to act as a buffer.
- Y ___ (e) Each heat exchanger shall be equipped with its own free-flow control valve and solenoid-operated valve to allow heating of paint only as required to supply sufficient material to the paint guns.

YES NO PAINT HEATING (Continued)

- (f) The system shall be complete with three (3) thermostats, digital temperature readout instrumentation and temperature setting and adjustment controls in the operators station. Indicators shall be provided to light when heating system is on, and warning lights of overheating.
- (g) The water/glycol fluid shall be driven by a one inch diaphragm ARO or equal pump.
- (h) The two (2) paint heat exchanger tubes, end bonnets and paint plumbing shall be constructed of 304 stainless steel.

YES NO AIRLESS PAINT PUMPS

- (a) The Striper shall be equipped with three (3) high capacity, high pressure hydraulically driven airless piston paint pumps each having a minimum capacity of 13 GPM at a discharge pressure of 2000 psi.
- (b) The pumps shall be capable of spraying water-borne (latex), alkyd (conventional solvent based) and chlorinated rubber paints. Pumps shall also be capable of spraying paints with standard solids content as well as VOC, high solid paints.
- (c) All wetted parts including pumps piston and sleeve, check balls, seats, housing and packing retaining rings shall be constructed of stainless steel (carbide ball seats and chrome check balls will not be accepted). Pumps throat packing shall be spring loaded to compensate for normal wear.
- (d) Paint pressure for each paint pump shall be electrically controlled from the operator's station. Pressure range shall be from zero to 2000-psi. The system shall be equipped with an electric shut-off for each airless paint pump which can be accessed from either operator position. Manual valves will not be accepted.
- (e) All plumbing, piping and hoses shall be protected from chafing.
- (f) An ASME certified stainless steel surge chamber and check valve shall be installed for each paint color.
- (g) A one inch recirculation line shall be plumbed to the top of the associated paint container from the inlet of each high pressure paint pump to allow low pressure paint recirculation. Cam & groove fittings shall be provided on the container end of the hoses with a one inch stainless steel ball valve on each to seal off each hose.

YES NO PAINT FILTERS AND SURGE CHAMBERS

- (a) At each low-pressure transfer/charge pump outlet, material shall pass through a stainless steel canister type strainer.

YES NO PAINT FILTERS AND SURGE CHAMBERS (Continued)

- Y ___ (b) The strainers shall be equipped with removable reusable screens each having a minimum of 100 square inches of surface area.
- Y ___ (c) Valves shall be provided to isolate each strainer for cleaning and a drain port and ball-valve to allow for draining of the strainer into a pale at the onset of the cleaning process. Strainers shall be positioned so as to not allow material discharge into any portion of the unit.
- Y ___ (d) At the high-pressure outlet port of each high-pressure paint pump, there shall be a high-capacity and high-pressure type paint filter.
- Y ___ (e) The high-pressure filters shall have a rating of not less than 5000 psi. Each shall have a minimum filtration surface of 18 square inches of reusable stainless steel, #30 screen mesh for the Yellow and White and #60 mesh for the Black paint. Inlet and outlet ports shall be a minimum of 1/2".
- Y ___ (f) All paint filters shall be positioned as close to the pumps as possible to facilitate quick and easy cleaning.
- Y ___ (g) A surge chamber shall be constructed of schedule 160 stainless steel pipe with a 3/4" NPT port. The surge chamber function is to dampen the effect when the airless pump changes stroke to prevent hour-glassing.

YES NO GLASS SPHERE SUPPLY

- Y ___ (a) The unit shall be equipped with an ASME certified 2000 lbs. capacity carbon-steel pressure bead tank.
- Y ___ (b) The tank shall have a jet pump bead loading system which shall operate by creating a vacuum in the bead tank to draw the beads into the tank with no beads going through the pump. The loading system shall include a 12' long by 2" I.D. fill hose with a male and female quick coupler fittings on one end and a 36" long O.D. x 1-7/8" I.D. steel tube attached to the suction end and a new unused 55 gallon steel drum with a combination bag-splitter and screen strainer for glass bead transfer from the drum to the tank from ground level connections on the right hand side of the platform.
- Y ___ (c) Bead tank shall be equipped with a moisture trap, a 160 lbs. air pressure/vacuum gauge, an ASME certified safety valve and air-bleed jet. Tank pressure shall be regulated from the operators control panel.
- Y ___ (d) Pressure bead pipe (hose is not acceptable) with a minimum diameter of 2" ID shall be provided at the outlet of the bead tank to a bead manifold. Pressure bead hoses from the distribution manifold to the bead guns shall be 1" ID clear poly and spring reinforced.

YES NO GLASS SPHERE SUPPLY (Continued)

Y ___ (e) Sight level gauges shall be provided as an integral part of the glass bead tank and show at minimum levels ranging from 1/4" - 3/4".

YES NO SPRAY GUN PACKAGE/CARRIAGE

Y ___ (a) The paint and bead gun carriages shall be mounted on each side of the vehicle chassis behind the rear axles (required item, no exceptions) positioned to be in the clear view of the operators with line-of-sight in front of *and* behind the paint guns line of application.

Y ___ (b) No plumbing, carriage mechanisms or platform floor shall obstruct the operator's view of the paint guns application or line-of-sight in front or behind the carriage assemblies in any position.

Y ___ (c) The **left side package** shall be configured with five (5) airless paint guns and three (3) glass bead guns in the following pattern (forward facing):

YELLOW	BLACK	YELLOW
WHITE	WHITE	
GLASS	GLASS	GLASS

Y ___ (d) The **right side package** shall be configured with three (3) airless paint guns and two (2) glass bead guns in the following pattern (forward facing):

BLACK	WHITE	WHITE
GLASS	GLASS	

Y ___ (e) Aircraft style pneumatic tire casters assemblies shall be provided to maintain the paint guns at the same relative position above the pavement while in operation and smoothly carry the weight of the entire assemblies, two (2) casters on the left side and one (1) on the right side carriages. The wheel assemblies shall have grease-able bearings without disassembly.

Y ___ (f) The outside left carriage caster tire assembly and the right side caster tire assembly shall each have an electronic adjustment controlled by the operator station corresponding control panel to adjust an additional 12" extension horizontal ground position to enable operator to avoid raised markers and rumble strip pavement.

Y ___ (g) All individual spray guns on both left and right side carriages shall be adjustable up/down from the operators station control panels independent of the carriage lift systems.

Y ___ (h) All carriage rods, brackets, holders and assembly framing of steel construction shall be electrically welded in full seems and zinc plated with heavy duty easy clean coatings.

YES NO SPRAY GUN PACKAGE/CARRIAGE (Continued)

- Y ___ (i) Each carriage shall be of parallel hinged bar trailing wheel type construction and shall be equipped with a pneumatic air cylinder to lift the spray gun carriage off of the road surface. The system shall also provide accurate lowering and down-pressure as necessary controlled by the operators.
- Y ___ (j) Each gun carriage shall be supported by structural steel sliding telescoping tubes, two (2) per carriage, using Ultra-High Molecular Weight Polyethylene (UHMW-PE) bearing material. Slides shall be equipped with double acting hydraulic cylinders with a 60" travel capability to adjust the carriages from a travel position into an operational spraying position.
- Y ___ (k) When in travel position, the carriages will be locked into place by an auto-hold bracket and shall not require chains or other devices requiring the operator to secure manually.
- Y ___ (l) Each carriage horizontal adjustment shall be controlled by individual "power-steering" system, electric-over-hydraulic, using a 4" diameter "Disc/Wheel" with a 2" tall spinner knob/handle for single handed precise control and fine-tune adjustment (dimensions are minimum acceptable). Control must have instantaneous action to carriage without delay or hesitation. System shall also provide for a minimum of six (6) multiple memory buttons with settable position one-touch return. (Orbital Hydraulic Direct control is not acceptable). One (1) control shall be provided and be portable to either right or left operators chair and be mounted to the armrest of the Captain's chair on the "inside" rest towards the center of the cab. This mounting shall be adjustable in reach to accommodate different needs of the operators arm length and comfort.

YES NO DUSTING GUNS/AIR BLOWERS

- Y ___ (a) Six (6) air-blower dusting guns shall be installed, one in front of each paint gun row on each carriage to provide an air blast for cleaning dust and dirt from the pavement surface just prior to paint application.
- Y ___ (b) Dusting guns shall be controlled electronically by the operator from the control station from either side of the platform with a single on/off switch. Individual guns shall have a manual on/off air valve at the gun mounting for individual control options.

YES NO WATER SYSTEM

- Y ___ (a) A 20 gallon stainless steel pressurized water tank shall be provided and be plumbed to the rear end plate of the platform deck left side and provide a garden hose type faucet/ball valve mounted to the end cap. An in-line shut-off valve between the tank and faucet shall also be provided to avoid accidental discharge.

PAINT AND GLASS SPRAY EQUIPMENT

YES NO PAINT GUNS

- Y (a) Eight (8) air/electric operated airless atomizing spray guns are to be supplied and shall be **Brand:** Graco Model #238-377 (no exceptions) specifically designed for highway striping and capable of handling all types of highway marking material other than pre-beaded type.
- Y (b) All wetted parts are to be constructed entirely of stainless steel. All spray tips shall be made of carbide steel for long wear.
- Y (c) The guns are to be controlled with 1/4-inch solenoid valves to provide quick gun reaction. The line widths for each spray gun are to be adjustable from two-inches to six-inches.
- Y (d) The striping guns shall be equipped with non-reversible tips and shall be interchangeable without use of tools for various spray patterns and flow rates.

YES NO GLASS BEAD GUNS

- Y (a) Five (5) Graco or Binks Brand glass bead guns shall be provided, capable of dispersing up to 30 pounds of beads/spheres per minute with 60 pounds of air pressure on the glass tank and be fully adjustable for the desired application ratio of pounds of spheres per gallon of paint.
- Y (b) The distance between the paint gun orifice and the glass sphere gun orifice must be consistent to ensure even and maximum dispersion and retention of the spheres in the paint application.
- Y (c) The glass sphere guns shall be capable of being operated independently of or simultaneously with the associated paint gun.
- Y (d) Each glass bead gun shall be equipped with an electric/pneumatic actuator and control switch to raise/lower each gun individually from the operator's station.
- Y (e) Each glass bead gun shall have an adjustable fan/spray width pattern which can be adjusted manually at the fan nozzle.

YES NO SKIP-LINE CONTROL

- Y (a) Two solid-state electronic timers and microprocessors shall be provided, one each for left and right side skip operation. A **Brand:** Skip-line Inc. model SM-5 Serial System or approved equal shall be used (If other brand is offered, full data specifications must be attached to this bid).

YES NO SKIP-LINE CONTROL (Continued)

- Y ___ (b) Five (5) gun switches shall be provided for the left side and three (3) gun switches for the right side on each timer.
- Y ___ (c) A remote thumb switch shall be provided and shall be used with either timer control to activate skip pattern strips. This thumb switch shall be used in conjunction with a 3-way toggle switch on each timer box to allow for automatic, semi-automatic and manual modes.
- Y ___ (d) The controllers shall be adjustable by the operator while the machine is in motion or standing still and be able to time skip patterns for the left and right synchronized or independent operation if striping from both sides.
- Y ___ (e) Timers shall be adjustable so that any combination of skip and paint may be obtained from 00.1 to 99.9 feet, adjustable in 0.1' increments.
- Y ___ (f) Timers shall be equipped with an advance and retard switch which will adjust the cycle in increments of 0.20/ft. per actuation from the operators control of the respective switch functioned. Switch will be located in the operators remote control panels.
- Y ___ (g) The system shall provide for the operator to select whether the cycle begins with the "paint" or begins with the "skip" at operation start.
- Y ___ (h) Timer controls shall have a reset to ready function on command by the operator(s) and located on the control panel(s).
- Y ___ (i) Timing systems shall operate at speeds of up to 12 MPH and at ambient temperatures of 30 – 175 degrees F.
- Y ___ (j) The timers shall have large easy to read digital displays with easy to use controls.
- Y ___ (k) Timer shall keep a constant cycle for two-line striping when a skip line switches from one paint gun to another as the gun switch goes through neutral.
- Y ___ (l) An alternate cycle feature shall be provided to allow three preset patterns for striping and cycles to be programmed and selected while the machine is in operation and moving.
- Y ___ (m) A six (6) digit digital and resettable distance meter capable of measuring actual feet of line applied shall be provided for each spray gun. Meters shall also provide accumulated totals for each gun to the nearest foot.
- Y ___ (n) A paint usage or "stroke counter" shall be provided that will include a resettable total gallons of paint used with the capability to connect to a printer to provide a written report.

YES NO **LASER GUIDANCE SYSTEMS**

- Y (a) **Brand:** LaserLine Manufacturing. Inc. GL3000 Series system or equivalent shall be provided. Main housings shall be weatherproof, containing optic plate mounting platform, microprocessor electronics, laser, laser mounting assembly, laser driver board, automatic cooling and heating systems. Lasers shall have optional steady or pulse action light ray (must meet these minimum requirements).
- Y (b) A laser unit mounted to the truck cab roof/bracket shall be a model GL3000P and have remote control by the driver to aim the laser to either the centerline (left) or roadway edge/shoulder line (right) and adjustable to position laser spot out from the truck from 10 to 30 feet in distance (minimum requirements).
- Y (c) Laser units for the paint gun carriages guidance, one (1) for each right and left sides shall be a model GL3000PM, manually set/aimed units mounted to the carriage assembly frames. These lasers shall be controlled by switches on the operators control panels for the corresponding side of operations.
- Y (d) All laser equipment cabling, connectors, attaching or adaptor hardware and wiring coverings shall be of the highest in quality and design for weather and abrasion resistance and other damage associated with the operations.

YES NO **PLUMBING & HOSE LINES**

- Y (a) All plumbing lines from material containers to the strainers shall be ASTM specification 2" ID size minimum with stainless steel or appropriate materials for all cam & groove fittings, crosses and tees used as needed to facilitate easy maintenance and cleanout routines.
- Y (b) All fluid lines from the strainers to the striping guns on the centerline carriage shall be not less than ½" ID solvent resistant type rated at 3000 psi.
- Y (c) All air control lines to the striping guns and electro-air valves shall be not less than ¼" ID nylon solvent resistant tubing tested to 125 psi or comparable.

YES NO MANUALS

- Y (a) The following manuals must be provided:
- Truck Chassis Operators, 2 print copies, 1 CD copy
 - Paint Striper Operators, 2 print copies, 1 CD copy
 - Truck Chassis Service and Parts, 1 print copy, 1 CD copy
 - Truck Engine Service & Parts, 1 print copy/ea., 1 CD/ea.
 - Truck Transmission Service, 1 CD
 - Paint Striper Air Compressor Service and Parts, 1 CD/ea.
 - Paint Striper Auxillary Engine Service & Parts, 1 CD/ea.
(if not including with air compressor manuals)

YES NO MANUALS (Continued)

- All Paint Striper equipment components (i.e. pumps, cylinders, solenoids, motors, controls, instruments etc.) Service and Parts, 1 print copy and 1 CD or as required for all items.

WARRANTIES

YES NO TRUCK CHASSIS

- Y ___ (a) Basic complete vehicle "bumper-to-bumper" warranty shall be 12 months/100,000 miles minimum.
- Y ___ (b) Major components, including but not limited to, engine, transmission, differential, axles, axle housings, drive-shafts and u-joints, brake brackets, cams shafts, spiders and slack adjusters shall have a 36 month/300,000 mile warranty coverage.
- Y ___ (c) Truck manufacturer shall have a full service and approved warranty dealership within 75 miles of the County Transportation Yard address as delivered to.

YES NO STRIPER COMPONENTS

- Y ___ (a) Basic complete warranty for all add-on equipment to the truck chassis related to the Striper shall carry a 12 month unlimited mileage warranty including all parts and labor.
- Y ___ (b) Major components, including but not limited to, auxiliary engine, power transmission, hydraulic pumps, actuating cylinders both air and hydraulic, laser guidance lasers and all paint and bead spray guns shall carry a 24 month parts and labor warranty minimum. Any standard warranty that exceeds this section shall be the warranty excepted.

YES NO WARRANTY SERVICE AND TOWING

- Y ___ (a) Any warranty replacement parts required shall be provided by the awarded vendor and delivered to the County Maintenance Shop at no additional charge. Warranty return parts requiring return shipping shall be at the awarded vendors or manufacturer's expense.
- Y ___ (b) All warranty repairs specific to the paint striper which do not have a warranty service provider, shall be made by the County Equipment Shop staff, with pre-approval by the vendor, and reimbursed to the County in full within 30 days of notification of repair completion in payment form. Credits in lieu of payment will not be accepted.
- Y ___ (c) Any warranty covered repairs requiring towing of the striper truck shall be at no charge to the County from any point in El Dorado County to any warranty facility necessary.

Any extended warranty contracts must have all contract document copies including coverage and terms and conditions provided.

YES NO TRAINING

Y ___ (a) The awarded vendor shall provide a minimum of three (3) days training on all operations and routine maintenance of the entire machine immediately after delivery to the County Transportation Yard.

Y ___ (b) An additional two (2) days of follow-up training shall also be provided upon request within the first 12 months after the original delivery date at no additional charge to the County.

YES NO PRE-CONSTRUCTION FACTORY CONSULTATION

Y ___ (a) The awarded bidder and a manufacturer representative shall meet with the County Transportation Division staff to review and confer as to the final design and equipment layout of the Striper machine regarding equipment in this specification only and will not affect bid quote.

YES NO PRE-COMPLETION INSPECTION

Y ___ (a) At approximately the 80-85% point of manufacturer completion of the Striper, the awarded vendor shall provide all travel and accommodation expenses for three (3) County personnel to travel to the factory plant to inspect the equipment and receive an orientation on the manufacturing process of the machine.

YES NO DELIVERY

Y ___ (a) Delivery shall be made to the County Transportation Yard at 2441 Headington Road, Placerville, CA 95667.

Y ___ (b) Upon delivery the Equipment Superintendent or designated Supervisor shall conduct a full equipment specification and delivery condition inspection prior to taking accepted delivery. Should this inspection not occur at the time of delivery for whatever reason, the vehicle will not be considered as accepted by the County until the inspection has been completed and documented with copies to all parties concerned.

COMPLETE BID PRICE: \$ 431,115.00 (DO NOT INCLUDE ANY TAXES or FEES)

**Erasures, overwrites and use of correction fluid or tape are NOT acceptable.
Refer to Item #3 of the General Terms and Conditions for specific instructions.**

(The Remainder of this Page Intentionally Left Blank)

PROMPT PAYMENT DISCOUNT TERMS

Indicate flat rate or percentage discount for prompt payment.

(Note: Discount of less than 2% or with payment terms of less than twenty (20) days will not be accepted and will not be considered for evaluation purposes.)

0% Discount if paid within 30 Net days from invoice date.

Discount applies to the awarded bid price of the vehicle only and shall not apply to taxes, options, warranty, or delivery/freight charges.

If prompt payment discount is taken,
Sales tax shall be based on the discounted price of the vehicle.

Indicate "Net" if no Prompt Payment Discount Terms are offered

Erasures, overwrites and use of correction fluid or tape are NOT acceptable.
Refer to Item #3 of the General Terms and Conditions for specific instructions.

DELIVERY

Indicate the number of days after receipt of order (ARO) for delivery: 180 days
Refer to Page six (6), "Delivery" for specific delivery requirements.

Erasures, overwrites, and the use of correction fluid/tape are NOT acceptable.
Refer to Item #3 of the General Terms and Conditions for specific instructions.

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Exceptions to Bid Specifications

STATEMENT OF NO RESPONSE

If Vendor is not submitting a response to this BID, RFP, RFI, RFQ, etc. please complete and return this form to: El Dorado County Procurement and Contracts, 330 Fair Lane, Placerville, CA 95667, or fax to (530) 295-2537. Failure to respond to a BID, RFP, RFI, RFQ, etc. or submit a 'Statement of No Response' three (3) times in succession will result in removal from the County's bidders list.

Board of Supervisors Procurement Policy C17, Section 8.2:

Removal of a vendor from the bidders list may be for:

- (a) Failure to respond to more than three (3) consecutive formal invitations to bid; or*
- (b) Failure to respond responsibly to more than three (3) notices to bid; or*
- (c) Failure to perform after an award of a bid; or*
- (d) Other reasons that show the bidder to be a non responsive or non responsible bidder.*

The Purchasing Agent must review and approve the removal of a vendor from the bidders list. The Purchasing Agent shall notify the vendor in writing that said vendor has been removed from the bidders list. Vendors removed from the bidders list shall have an opportunity to request reinstatement at any time, and may submit a bid notwithstanding if they have been removed from the list. The request for reinstatement must be submitted to the Purchasing Agent on such forms as provided by the Purchasing Agent.

Invitation # (BID, RFP, RFI, RFQ, etc.): _____

Name of Firm: _____

Address: _____

Signature: _____

Telephone Number: _____ Date: _____

The above has declined to submit a bid response for the following reason(s) (please check all that apply):

- We do not offer this commodity and/or service or an equivalent.
- Insufficient time to respond to the RFP.
- Our schedule would not permit us to perform.

Remarks:

Exhibit "A" STANDARD TERMS AND CONDITIONS

By shipping on an order, the Vendor warrants that they have read and are in compliance with these instructions.

1. Taxes: County is exempt from payment of Federal Excise Tax; Federal tax should not be included in any prices contained herein.

2. Alterations: No alteration in any of the terms, conditions, delivery, price, quantities, specifications or services of this contract will be effective without prior consent of the Purchasing Agent of the County.

3. Failure to Deliver: If Vendor fails to deliver an article or service of the quality or quantity, in the manner or within the time called for by this contract: such article or service may be bought from any source by Purchasing Agent and if a greater price than named in the contract be paid for such article or service, the excess price will be charged to and collected from Vendor or sureties on its bond if bond had been required; or, the County may terminate the contract for default; or, the County may return deliveries already made and receive a refund. For any exception to the delivery date as specified on this Purchase Order, the Vendor shall give prior notification and obtain approval thereto from the Purchasing Agent of the County. Failure or refusal of Vendor to perform any work or service or do any act required under this contract shall constitute a default.

4. Force Majeure: Vendor shall not be liable for any delay or failure to deliver any or all the goods if that delay or failure is caused by labor disputes, strikes, war, riots, insurrection, civil commotion, fire, flood, accident, storm or any act of God. The County shall not be liable for failure to take delivery of the goods attributable to any of the causes specified in this paragraph if they render it commercially impractical for the County to receive the goods. When either Vendor or the County claims an excuse for nonperformance under this paragraph, they must give reasonable notice to the other party.

5. Proposal, Quotation and Attachments: This contract incorporates by reference on the face of this form, the provisions of any related bid request issued by County, any bid submitted by Vendor, or both. This contract incorporates by reference on the face of this form, the provision of any attachments. Vendor agrees that in the event of conflicting language between this contract and Vendor's printed form, the provisions of this contract shall take precedence. This section shall supersede any language in the Vendor's terms and conditions attempting to nullify County terms and conditions or to resolve language conflicts in favor of the Vendor's terms and conditions.

6. Warranty:

6.1 Warranty For Goods: Vendor warrants to the County and/or County customers that any and all goods covered by this contract will be new unless otherwise specified and will conform to the drawings, specifications, samples, description and time provisions furnished by the County and will be of first-class material and workmanship and free from defect. In the event of a defect, malfunction or failure of the goods to conform with this warranty, the County shall have the right to require the Vendor to repair or replace the goods without charge within five (5) business days from being notified of the defect. If the Vendor cannot replace the goods and repair either is not commercially practicable or cannot be made within such five (5) business day period, the County shall have the right to require the Vendor to refund the purchase price. Defective goods rejected by the County may, without prejudice to any other legal remedy (including, without limitation, incidental and consequential damages) be held at Vendor's risk and returned to Vendor at Vendor's expense. This warranty shall not be deemed to be waived by the County for any reason, including, without limitation, the County's acceptance of the goods or the County's failure to notify Vendor thereof. Further, the failure of the County to reasonably specify any defects in rejected goods shall not prevent the County from relying on the defect to establish a breach, even though the Vendor could have cured the defect on proper notification.

6.2 Warranty for Services: Vendor warrants to County that any and all materials and equipment furnished under this contract will be new unless otherwise specified and that all services will be of good quality, free from faults and defects and in conformance with the contract. Neither final payment nor inspection of Vendor's services shall constitute an acceptance of services not done in accordance with this contract or relieve Vendor of liability in respect to any express warranties or responsibilities for faulty material or workmanship. Upon request of County, Vendor shall immediately remedy any defects in the services, materials and/or equipment and pay for any damage resulting therefrom. The County shall have the unqualified option to make any needed replacement or repairs itself or to have such replacement or repairs done by the Vendor. In the event the County elects to have said work performed by the Vendor, the Vendor agrees that the repairs shall be made and such materials as are necessary shall be furnished and installed within a reasonable time after the receipt of demand from the County; however, in no event shall such period exceed fifteen (15) calendar days. If the Vendor shall fail or refuse to comply with its obligations under this section, the County shall be entitled to all costs and expenses, including attorney's fees, reasonably incurred by reason of the said failure or refusal.

7. Termination: At any time and without cause, the County shall have the right, at its sole discretion, to terminate this contract by giving seven (7) calendar days written notice to Vendor. In the event of such termination, Vendor shall only be entitled to payment for those goods that have been delivered and accepted by the County or services satisfactorily rendered through the date of termination.

8. Identification: Purchase Order number must appear on all invoices, packing lists, shipping notices, instruction manuals, and any correspondence. Invoices must be fully itemized and show date, weights, sizes, quantities, discounts, etc. Render separate invoices for each Purchase Order.

9. Cash Discounts: In connection with any cash discount specified in this contract, time will be computed from the date of completed delivery of the goods or the completion of the performance of services as specified, or from the date that correct invoices are received if the latter date is later than the date of delivery and/or performance. For the purpose of earning the discount, payment shall be deemed to have been made on the date of mailing of the County warrant or check. Payment shall be made within thirty- (30) days following County's receipt of itemized invoices in triplicate. Payment shall be made at the prices stipulated herein for goods or materials delivered or services rendered and accepted less deductions, if any, as herein provided. Payment on partial deliveries or services may be made whenever amounts due so warrant or when requested by the Vendor and approved by the County.

10. Assignment: This contract may not be assigned in whole or in part without the prior written consent of the County.

11. Independent Capacity: In the performance of this Purchase Order, agents and employees of the Vendor shall act in an independent capacity and not as officers, employees or agents of the County.

12. Indemnity: The Vendor shall defend, indemnify and hold the County harmless against and from any and all claims, suits, losses, damages and liability for damages of every name, kind and description, including attorneys fees and costs incurred, brought for, or on account of, injuries to or death of any person, including but not limited to workers, County employees and the public, or damages to property or any economic or consequential losses, which are claimed to or in any way arise out of, or connected with the Vendor's services, operations or performance hereunder, regardless of the existence or degree of fault or negligence on the part of the County, the Vendor and employee(s) or any of these, except for the sole or active negligence of the County, its officers and employees, or as expressly proscribed by statute. This duty of Vendor to indemnify and save County harmless includes the duties to defend set forth in California Civil Code Section 2778.

13. Nondiscrimination: Vendor shall comply with all applicable federal, state and local laws, rules and regulations in regard to nondiscrimination in employment because of race, color, ancestry, national origin, religion, sex, marital status, age, medical condition, pregnancy, disability or other prohibited basis. All nondiscrimination rules or regulations required by law to be included in this contract are incorporated by this reference.

14. Patent Indemnity: The Vendor agrees to hold the County, its officers, agents, servants and employees harmless from liability of any nature or kind because of use of any copyrighted, or uncopyrighted composition, secret process, patented or unpatented invention, articles or appliances furnished or used under this contract, and agrees to defend, at Vendor's sole expense, any and all actions brought against the County or the Vendor because of the unauthorized use of such articles:

15. Applicable Law and Forum: This contract shall be construed and interpreted according to the substantive law of the State of California excluding the law of conflicts. Any action to enforce the terms of this contract or for the breach thereof shall be brought and tried in the County of El Dorado.

16. Funding: Funds for this Purchase Order are available on a fiscal year basis. Should funds not be available, this Purchase Order shall be cancelled in its entirety.

17. Business License: It is unlawful for any person to furnish supplies or services or transact any kind of business in the unincorporated territory of El Dorado County without possessing a County business license unless exempt under County Code Section 5.08.070. Contact Tax Collector's Office, 360 Fair Lane, Placerville, CA 95667, telephone (530) 621-5800, for further information.

18. Returns: The County reserves the right to return product within thirty (30) days of receipt by the County for credit or refund without a shipping or restocking fee. Product returned shall be in good condition and in the original package (if applicable). Defective product or product under warranty may not always be returned in the original package.

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