



JACKSONVILLE AVIATION AUTHORITY

INVITATION TO BID NUMBER: 12-26-45133

Road Marking Machine



**Jacksonville Aviation Authority
Procurement Department
14201 Pecan Park Road, 2nd Floor
Jacksonville, FL 32218**

**Assigned Buyer: Juanita Henderson
Procurement Director: Devin Reed**

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**INVITATION TO BID
BID NUMBER 12-26-45133**

**Road Marking Machine
for the
JACKSONVILLE AVIATION AUTHORITY**

Bids will be received by the Jacksonville Aviation Authority (JAA) until 2:00 PM (local time) on May 9, 2012 at which time they will be opened at JAA's Administration Building, 2nd Floor, 14201 Pecan Park Road, Jacksonville, Florida, 32218, for purchasing a Road Marking Machine.

All Proposals must be submitted in accordance with Invitation to Bid Number 12-26-45133, which may be obtained after 8:30 AM (local time) on April 19, 2012 from www.flyjacksonville.com, click on bid opportunities.

GENERAL INFORMATION

REQUESTS FOR DISTRIBUTION SHEETS OR PRE BID ATTENDANCE SHEETS

Copies of the Invitation to Bid (ITB) Distribution Record and/or the Pre-Bid Attendance Record may be requested by contacting the Procurement Department of the Jacksonville Aviation Authority (JAA).

SUBMISSION OF BIDS

Bids submitted in advance of the time set for opening will be delivered to JAA, Attn: Procurement Department, 14201 Pecan Park Road, 2nd Floor, Jacksonville, FL 32218. Respondents are fully responsible for delivery of bids. Reliance upon mail or public carrier is at Respondent's risk. Subject to JAA's discretion to waive minor irregularities that will not result in an unfair economic or competitive advantage or disadvantage to any Respondent, late proposals, as solely determined by JAA's official bid clock, will not be opened or considered.

PUBLIC RECORDS REQUIREMENTS

JAA is required to comply with Section 119.07 of the Florida Statutes. Depending on the type of project for which bids are requested, the items read at the opening will vary. Sealed bids are not public records subject to mandatory disclosure under the Florida Public Records Law until such time as JAA provides notice of a decision or intended decision to award the contract or thirty (30) days after opening, whichever is earlier. All parts of bids, including exhibits, are subject to the Public Records Law, and a Respondent may not exclude any portion of the Bid unless specifically exempted from disclosure by Florida Law. Exemption of financial statements applies only to required submittal for pre-qualification of Respondents on public works projects.

REQUESTS FOR BID RESULTS OR AWARD OF CONTRACT

Notwithstanding the above statement and/or requirement regarding public records, requests for or access to public records within JAA's possession may be made or obtained by contacting JAA at (904) 741-2209. If copies are requested, an appropriate charge will be assessed, upon the receipt of which all copies will be made available within a reasonable time consistent with the requirements of Florida Statutes. All those submitting responses to this solicitation will be provided notice of decisions regarding its award.

CONTACT WITH JAA STAFF

From the time of receipt or publication of this solicitation, all parties who intend to directly or indirectly submit a response to the solicitation shall direct all contact with JAA through JAA's Procurement Director or the assigned Buyer hereto. If the question or comment deals with a subject matter that is outside of the knowledge or responsibility of JAA's Procurement Department, Procurement will direct the question or comment to the appropriate person or authority. Other than as permitted herein, respondents to this solicitation may not contact JAA's executives and staff, award or evaluation committee members, Board of Directors, or those representing JAA's interests in this solicitation for the purpose of discussing the same. Violation of this provision may result in bid/proposal rejection and/or respondent debarment.

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ARTICLE I – INSTRUCTIONS TO RESPONDENTS

1.01 RECEIPT AND OPENING OF BIDS

JAA will receive bids in response to this solicitation until May 9, 2012 at 2:00 PM (local time) to purchase a Road Marking Machine (the "Commodity"). Bids will be publicly opened at JAA's Administration Building, 14201 Pecan Park Road, Jacksonville, Florida, at the previously mentioned time and date.

1.02 DELIVERY OF BIDS

An **original and three (3) copies** of the Bid and all required supplemental material listed on Bid Form must be submitted in a sealed package. The package should be labeled to read: "ITB 12-26-45133, Road Marking Machine, May 9, 2012, 2:00 PM (local time)" and must be addressed and delivered to JAA, Attn: Procurement Department, 14201 Pecan Park Road, 2nd Floor, Jacksonville, FL 32218.

Each Bid package submitted will clearly show the Respondent's company name on the outside. Facsimile Bids will not be accepted. Subject to JAA's discretion to waive minor irregularities that will not result in an unfair economic or competitive advantage or disadvantage to any Respondent, late bids, as determined by JAA's official bid clock, will not be considered and will be returned to the Respondent as non-responsive. Each Respondent is fully responsible for ensuring that its Bid is timely received, and shall assume the risk of non-delivery or untimely delivery caused by its chosen delivery method, whether by US mail, public carrier or otherwise. This ITB does not commit JAA to pay costs or expenses of any kind incurred by the various Respondents during bid preparation, submittal or presentations, if any.

1.03 CONTRACT DOCUMENTS

The Contract Documents give the description of the Commodity to be purchased under this solicitation. The required qualifications of Respondents, other technical information, and the term of the contract are also contained in these documents.

1.04 EXAMINATION OF CONTRACT DOCUMENTS AND SPECIFICATIONS

The Respondent is required to carefully examine the technical specifications and intended use of the Commodity to be purchased and all Contract Documents. It will be assumed that the Respondent has investigated and is fully informed of the conditions, the character and quality of the Commodity to be purchased, and of the requirements of the Contract Documents.

1.05 OBLIGATION OF RESPONDENTS

The Respondent must become fully aware of the technical specifications of the solicitation. Failure to do so will not relieve a successful Respondent of its obligation to furnish the Commodity at the price bid and in accordance with the delivery terms of the contract. The Respondent must be familiar and comply with all federal, state and local laws, ordinances, rules and regulations that in any manner affect the Commodity and must possess and maintain the requisite license(s) to furnish and provide the same. In addition, the Respondent will be held responsible for having satisfied itself from its own personal knowledge and experience or professional knowledge as to the Commodity to be purchased. Therefore, the Commodity provided in response to this solicitation will have an express warranty of fitness for purpose. The submittal of a Bid will be construed as evidence that all Respondent obligations have been satisfied and no subsequent allowance will be made in this regard.

Prior to contract issuance, the Respondent must provide documentation that they are authorized to do business in the State of Florida. Prior to contract issuance, the Respondent must provide documentation that it is authorized to do business in the State of Florida and possesses any required federal, state and local licensing, if any, in order to perform the scope of services contemplated herein.

1.06 ADDENDA - CHANGES WHILE BIDDING

No interpretation of the meaning of any part of the ITB or other Contract Documents, or corrections of any apparent ambiguity, inconsistency or error therein, will be made to any Respondent orally. All requests for written interpretations or corrections **MUST** be in writing addressed to JAA's Procurement Department, 14201 Pecan Park Road, 2nd Floor, Jacksonville, FL 32218 or Fax: (904) 741-2350.

All requests must be received by 5:00 PM (local time) at least five (5) business days before the above mentioned Bid Opening date, in order to be given any consideration. All such interpretations and supplemental instructions will be in the form of written Addenda to the Bid Documents, which, if issued, will be emailed, mailed or faxed to all known prospective Respondents. However, it is the responsibility of each Respondent, prior to submitting its Bid, to contact JAA Procurement Department at (904) 741-2209 to determine if any Addenda were issued and to make such Addenda a part of its Bid. In case any Respondent fails to acknowledge receipt of any such Addenda in the space provided on the Bid Form, its Bid will nevertheless be construed as though the Addenda has been received and acknowledged. Only the interpretations or corrections so given by JAA Procurement Department in writing will be binding, and prospective Respondents are advised that no other source is authorized to give information concerning, or to explain or interpret the ITB Documents.

1.07 PREPARATION OF BID

Bids will be submitted in the form, and in the order outlined in the Bid Form. All information must be typed in or legibly printed in ink.

If the Bid is made by an individual, he or she must sign his or her name therein and state his or her address and the name and address of every other person interested in the Bid as principal. If the Bid is made by a firm, partnership or joint venture, the name and address of each member of the firm, partnership or joint venture must be stated. If the Bid is made by a corporation, the Bid must be signed by an authorized officer or agent subscribing the name of the corporation with his or her own name. **FAILURE TO SIGN YOUR BID WILL CONSTITUTE A MATERIAL IRREGULARITY AND WILL RESULT IN THE REJECTION OF THE BID.** Such officer or agent must also state the name of the State under which the corporation is chartered, and the names and business address of the President, Secretary and Treasurer. If applicable, also provide evidence of registration with the Secretary of the State of the State of Florida for doing business in the State of Florida.

1.08 WITHDRAWAL OF BIDS

Any Bid may be withdrawn by written request of the Respondent until the date and time established herein for opening of the Bids. Any Bid not timely withdrawn will, upon opening, constitute an irrevocable offer for a period of ninety (90) days (or until one or more of the Bids have been duly accepted by JAA, whichever is earlier) to furnish the goods and /or services contemplated herein. JAA decision and/or action on bids normally will be taken within sixty (60) days after bid opening; however, no guarantee or representation is made as to the time between the bid opening and the subsequent JAA decision and/or action regarding an award.

1.09 MANDATORY RESPONDENT CRITERIA

Respondents must meet the following mandatory requirements to be considered for the award of the contract. Respondents will address each mandatory requirement specifically in their Bid.

- A. Respondent must have a service center for warranty and repair services within a 250 mile radius.
- B. Respondent must be available to present a demonstration of commodity upon request.

1.10 RESPONSIBLE RESPONDENT CRITERIA

In considering the responsiveness JAA will examine the following factors. Respondents will address each factor specifically in their Bid.

- A. Bid Price.

- B. Delivery time after receipt of purchase order.
- C. Warranty terms and conditions.

In this regard, JAA reserves the right to reject any and all Bids, in whole or in part, or to waive any non-conformance in Bids or any other bid irregularities whenever such rejection or waiver is minor in nature and is in the best interest of JAA.

1.11 DISQUALIFICATION OF RESPONDENTS

Any of the following causes may be considered sufficient for the disqualification of a Respondent or rejections of the Bid (this does not represent an exhaustive list):

- A. Submission of more than one Bid for the same work by an individual, firm, partnership or corporation under the same or different names. If a company has more than one division, only one Bid may be submitted for the same company.
- B. Evidence of collusion among Respondents.
- C. Incomplete work for which the Respondent is committed by contract, which, in the judgment of JAA, might hinder or prevent the prompt completion of the work contemplated herein if awarded to such Respondent.
- D. Being in arrears on any existing agreement with JAA or having defaulted on a previous contract with JAA. For purposes of this section, attempts to create a new entity, partner with an existing entity or person, or otherwise hold oneself out as another firm or business for the purpose of shielding any individual, firm, partnership, corporation or similar concern from the application of this provision may be considered grounds for disqualification of all those persons or entities involved.
- E. Items 'C' and 'D' above will be considered by JAA after the opening of Bids, and, if found to apply to any Respondent, JAA will notify the Respondent that its Bid will not be considered for an award of the Contract. The Respondent has five (5) business days to appeal in writing this decision to JAA Executive Director/CEO, via the Procurement Department, and the decision of the Executive Director/CEO will be final.

1.12 REJECTIONS OF IRREGULAR BIDS

Bids will be considered irregular and may be rejected if they show omissions, alterations of form, additions not called for, conditions, limitations, unauthorized alternate bids or other irregularities of any kind. JAA reserves the right to waive minor irregularities that will not result in an unfair economic or competitive advantage or disadvantage to any Respondent.

1.13 PUBLIC ENTITY CRIME

A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid, proposal, or reply on a contract to provide any goods or services to a public entity; may not submit a bid, proposal, or reply on a contract with a public entity for the construction or repair of a public building or public work; may not submit bids, proposals, or replies on leases of real property to a public entity; may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity; and may not transact business with any public entity in excess of the threshold amount provided in Florida Statute Section 287.017 for CATEGORY TWO for a period of 36 months following the date of being placed on the convicted vendor list.

1.14 PRE-BID MEETING

JAA has determined a Pre-Bid Meeting is not required. Respondents are encouraged to submit questions in writing to JAA Procurement Department (904) 741-2350. All questions must be received at least five (5) business days before the above mentioned Bid Opening date to be given any consideration.

1.15 LOCAL PREFERENCE PROGRAM

In an effort to stimulate economic growth and development of local businesses and keep local resources in the community, JAA has established a Local Preference Program (LPP) to encourage local businesses to participate in the competitive process of supplying goods and services to the Authority.

If your business meets the requirement of Local Business or Local Respondent, you must submit Exhibit B, Local Preference Verification Form.

1.16 SMALL BUSINESS ENTERPRISES (SBE) PARTICIPATION

JAA is committed to providing an opportunity for local small/disadvantaged/minority owned firms by promoting the development of small businesses within our normal market area. It is the policy of JAA to provide small businesses with identical information and an equitable opportunity to compete for business from JAA. This is an invitation for local small/disadvantaged/minority businesses to become involved in the total procurement of JAA sponsored projects, goods and services. JAA's local market area is defined as Duval, Clay, Baker, St. Johns or Nassau Counties, which market area is specific to this section only and should not be confused with the Normal Market Area designated for participation in JAA's Local Preference Program.

1.17 NON-DISCRIMINATION PROVISIONS

The Respondent agrees to comply with all applicable federal, state and local laws, including the Civil Rights Act of 1964 as amended. The Equal Employment Opportunity Clause in Section 202, paragraph 1 through 7 of Executive Order 11246, as amended, relative to Equal Employment and the implementing Rules and Regulations of the Office of Federal Contract Compliance Programs are incorporated herein by specific reference. The Affirmative Action Clause in Section 503 of the Rehabilitation Act of 1973, as amended, relative to Equal Opportunity for the disabled is incorporated herein by specific reference. The Affirmative Action Clause in 38 USC Section 2-12 of the Vietnam Veterans' Readjustment Assistance Act of 1974, relative to Equal Employment Opportunity for the special disabled Veteran and Veterans of the Vietnam Era, is incorporated

1.18 BID BOND

Each Respondent must furnish with its Bid a bid bond or a cashier's check payable to JAA in the amount of five percent (5%) of Respondent's total Bid price as a surety that the Bid will not be withdrawn for ninety (90) calendar days from date of bid opening. A bid bond must be secured from and executed by a surety duly licensed to do business in the State of Florida. Failure to furnish the bond, including power of attorney, if required, may result in rejection of the Bid.

The bid bond will be returned to the unsuccessful Respondent after the Contract has been approved and awarded.

The bid bond will be returned to the successful Respondent upon JAA final acceptance of the Commodity.

1.19 EVALUATION AND AWARD

JAA reserves the right to accept or reject any or all Bids, in whole or in part. JAA reserves the right to award the ITB to the Respondent submitting a bid which is most advantageous and in the best interests of JAA. Tie bids will be awarded pursuant to JAA's Local Preference Program and if after its application the tie remains, preference will be given to the Respondent that certifies it has implemented a drug-free workforce program. If a tie still remains, JAA will award the ITB in the manner determined to be in the best interests of JAA. JAA will be the sole judge of the bids and the resulting award that is in its best interest and its decision will be final. JAA Executive Director/CEO has final approval authority for any resulting agreement. This ITB is subject to the availability of budgeted funds.

Within ten (10) days after notice of award is made, the successful Respondent will be given a JAA purchase order and Respondent must acknowledge receipt. Award will not be binding until this purchase order has been received and acknowledged by the Respondent to contain the terms of the contract. Respondent terms different from JAA's (on JAA purchase order or contained in the Contract) will not be allowed.

1.20 PUBLIC MEETING REQUIREMENTS

JAA is required to comply with Section 286.011 of the Florida Statutes. Therefore certain types of staff meetings and meetings of JAA Awards Committee or JAA Board are required to be held in public, with sufficient notice made of the date and time of the meeting. All notices of public meetings are posted at JAA Administration Building, 14201 Pecan Park Road, 1st Floor, Jacksonville, FL 32218.

1.21 PROTEST PROCEDURES

Any Respondent with standing who is adversely affected during this ITB solicitation process may file a Notice of Protest, including all particulars of facts and law on which standing is asserted and on which the protest is based. This notice must be in writing and addressed to JAA, Attn: Procurement Director, 14201 Pecan Park Road, 2nd Floor, Jacksonville, FL 32218. A notice of protest shall be filed within five (5) business days after any action taken by JAA's Awards Committee, Executive Director and CEO, or Board. It is the sole responsibility of the firm to determine the date and time any action is taken by JAA.

Receipt of a protest will be acknowledged by letter. The administrative procedures that will be followed by JAA will be provided to the Protester in writing.

1.22 EXECUTION OF THE AGREEMENT

Within ten (10) business days after Notice of Award, the successful Respondent will furnish the required certificates of insurance and any other requirements and enter into a formal Agreement with JAA. Failure to execute the resulting Contract as provided in these documents within ten (10) business days after the date of Notice of Award will be just cause to rescind the award, unless such failure has been caused by JAA, which award may then be made to another Respondent or this solicitation may be re-advertised. The Respondent whose award JAA rescinded may be considered irresponsible if JAA elects to re-advertise this solicitation. No award will be binding upon JAA until the Contract contemplated herein has been fully executed.

1.23 TENTATIVE SCHEDULE FOR SELECTION PROCESS

Phase I	Bid Opening	May 9, 2012	2PM Local Time
Phase II	Demo Presentation	Upon Request	

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ARTICLE II – GENERAL CONDITIONS

2.01 DEFINITIONS

AUTHORITY – Jacksonville Aviation Authority

BID – The approved forms on which the Respondent is to submit, or has submitted, its prices for the items requested in the bid.

RESPONDENT – Any individual, firm or corporation submitting a bid for the items requested.

CECIL – Cecil Airport

CONTRACT – The Contract consists of the document labeled “Specifications for the Commodity, ITB Number 12-26-45133”; Respondent’s Bid; and any Addenda issued prior to and any Modifications issued after execution of the Contract. A Modification is a written amendment to the Contract signed by both parties.

CONTRACTOR – Any individual, firm or corporation entering into a Contract to perform the Scope of Services.

CONTRACT ADMINISTRATOR – Designated representative(s) of JAA assigned to monitor the Contract to ensure full compliance with all terms and conditions contained within the Contract document. Monitoring activities include progress of work, inspection and acceptance of services, quality assurance and issuance of payment receipts.

CONTRACTOR REPRESENTATIVE – Individual(s) designated in writing by the Respondent as the Respondent’s Representative, with authority to act for the Respondent in all matters, including changes to Contract terms.

CONTRACTING OFFICER – Designated JAA individual, who provides JAA Inspector and/or JAA Contract Administrator with Contract information and monitors the administration of the Contract to ensure compliance with terms by both JAA and the Respondent. The Contracting Officer is the only individual authorized to make Contract modifications.

DAYS – Calendar days unless otherwise specified.

DBE – Disadvantage Business Enterprise.

ELIGIBLE USER – Public agencies and other eligible users that will order products and/or services directly from the Respondent under the Contract. By ordering products and/or services under the Contract, the Eligible User agrees to its terms. Eligible Users are not, however, parties to the Contract. Eligible Users participating in the Contract do so according to the following terms: (1) non JAA Users assume and bear complete responsibility with regard to performance of any contractual obligation or term; (2) breach of a Contract term by any particular User shall not be deemed a breach of the Contract as a whole, which shall remain in force and effect, and shall not affect the validity of the Contract nor the Respondent’s obligations to non-breaching Users or JAA; (3) JAA shall not be liable for any breach by non-JAA Users; (4) each non-JAA User and the Respondent guarantee to save JAA and its officers, agents, and employees harmless from liability that may be or is imposed by their failure to perform in accordance with their obligations under the Contract.

FAA – Federal Aviation Administration.

HERLONG – Herlong Recreational Airport

INSPECTOR – Designated representative(s) of JAA, assigned to monitor the services, advise of problem areas and to give a report of conformance or of rejection. The Inspector will be designated at the award of Contract.

JAA – Jacksonville Aviation Authority

JAX – Jacksonville International Airport

JAXEX – Jacksonville Executive at Craig Airport

JSEB – Jacksonville Small Emerging Business

Local Business or Local Respondent – The term "Local Business" or "Local Respondent" shall mean a person, firm, corporation or other business entity which is duly licensed and authorized to engage in the particular business at issue, which has been in business and maintained its permanent place of business in the NMA for a minimum of one (1) year prior to the solicitation release date and has at least three (3) full-time employees living in the NMA. The Local Business shall perform or operate on a day-to-day basis and provide a substantial component of the goods or services which are being procured by the Authority.

Normal Market Area (NMA) – The Authority's Normal Market Area is Baker, Clay, Flagler, Duval, Nassau, Putnam and St. Johns counties.

PROPOSAL – The approved forms on which the Proposer is to submit, or has submitted its charges for the services contemplated.

PROPOSER – Any individual, firm or corporation submitting a Proposal for the services contemplated.

SERVICES – Everything required to furnishing or performing under this contract document.

SBE – Small Business Enterprise.

TSA – Transportation Security Administration.

2.02 SPECIFICATIONS OF ITEMS

The specifications for the items to be purchased are as detailed in Article IV, TECHNICAL SPECIFICATIONS. The qualified product(s) listed is to be provided with no substitutions, unless an addendum is issued prior to the bid opening.

2.03 DEVIATIONS TO SPECIFICATIONS

All deviations from the specifications must be noted in detail by the Respondent, in writing, at the time of the submittal of the formal bid. The absence of a written list of specification deviations at the time of submittal of the bid will hold the Respondent strictly accountable to JAA to the specifications as written. Any deviation from the specifications as written not previously submitted, as required by the above will be grounds for rejection of the material and/or equipment when delivered.

2.04 LEGAL REMEDIES AVAILABLE TO JAA

The Contract that results from this solicitation may be terminated by JAA in accordance with this clause whenever JAA determines that such termination is in the best interest of JAA.

Termination of this Agreement in accordance with its agreed termination provisions will not give rise to any claims of improper termination, termination in bad faith, or the like or to the payment of any compensation, recoupment of expenditures made by Respondent pursuant to this Agreement, or the like predicted in such termination.

The resulting Contract is always subject to availability of budgeted funds.

2.05 INDEMNIFICATION

Any Contract resulting from the ITB will include the following provisions:

To the fullest extent permitted by law, the Respondent agrees to indemnify, defend and hold harmless JAA, its officers, agents, volunteers, and employees from and against all claims, damages, losses, and expenses,

including but not limited to all fees and charges of engineer(s), architect(s), attorney(s) and other professional(s), court costs, or other alternative dispute resolution costs arising out of, resulting from, or otherwise but for the performance or furnishing of Respondent's work or services under this Agreement; provided that any such claim, damage, loss or expense is attributable to bodily injury, sickness, disease, death or personal injury, or property damage, including the loss of use or diminution in value resulting there from; but only to the extent caused in whole or in part by the actual or alleged negligent acts, errors, or omissions of the Respondent, Respondent's Subcontractor(s) or anyone directly or indirectly employed or hired Respondent, or anyone for whose acts Respondent may be liable. JAA reserves the right, but not the obligation, to participate in defense without relieving Respondent of any obligation hereunder.

2.06 WARRANTY – MINIMUM REQUIREMENTS

- A. Respondent shall provide a minimum of one (1) year warranty on all parts or as provided by the manufacturer, whichever is greater.

This ITB and resulting contract are subject to the provisions of the Uniform Commercial Code as it relates to warranties. No disclaimers will be allowed. All warranties will begin at the time of final acceptance by JAA.

2.07 ACCEPTANCE OF ITEMS

Any portion of the Commodity delivered to JAA not meeting specifications or found to be defective will not be accepted, and will be returned to the vendor at its expense for replacement. As it is impossible for JAA to inspect all items on delivery, signing of the receipt document only verifies the delivery of the Commodity. A reasonable opportunity must be allowed for inspection. Arrangements for the return shipment of any defective portion of the Commodity are the responsibility of the vendor, and will be solely at vendor's expense.

2.08 COMPENSATION

Compensation will be paid in accordance with the Respondent's bid price submitted on the Bid Form and accepted by JAA, subject to post bid negotiations, value engineering, etc. An original and one copy of the invoice, which must reference the purchase order number, should be mailed to JAA, Attn: Accounts Payable, 14201 Pecan Park Road, Jacksonville, FL 32218. Invoices will be processed in accordance with normal JAA procedures, which is thirty (30) days net after receipt of an approved invoice.

JAA, at its sole discretion, may authorize advance payments, deposit or partial payments.

2.09 DELIVERY OF ITEMS

The Commodity must be delivered within the agreed upon time. Failure to do so may result in JAA obtaining the Commodity from another source and possible termination of the contract. Any agreement by JAA to waive all or part of delivery must be agreed to in writing by both parties.

2.10 ASSIGNMENT

The Respondent may not assign or otherwise transfer its rights under the Contract resulting from this solicitation without the prior written consent from JAA, nor will the Respondent assign any monies due or to become due it hereunder without the prior written consent of JAA.

2.11 SAFETY STANDARDS

It is the intent that all specifications are in full and complete compliance with all Federal and State of Florida laws and regulations that apply to the type and class of equipment being provided or services being performed. This includes, but is not limited to, Occupational Safety and Health Administration (OSHA) and Environmental Protection Agency (EPA) standards, and Florida requirements for external noise control that apply to the type and class equipment being provided or services being performed. If an apparent conflict exists, the Respondent must contact JAA immediately. In addition, any Federal and State legislation which should become effective regarding equipment safety will immediately become a part of this contract. Respondent will have the option to meet or exceed any such safety standard.

2.12 NO INDIVIDUAL LIABILITY

No member, officer, agent, director or employee of JAA or Respondent will be charged personally or held contractually liable by or to the other party under the terms or provisions of the Contract or because any breach thereof or because of its or their execution or attempted execution.

2.13 ARTICLE/SECTION HEADING

The article and section headings contained in this ITB are included for convenience only and are not to be considered a part hereof or affect in any manner the construction or interpretation of the ITB.

2.14 ORDER OF PRECEDENCE

In the event of any conflict between the provisions of the Contract, the provisions of JAA's ITB Number 12-26-45133 and Respondent's Bid, referred and incorporated in the Contract, said provisions will be given preference in the following order: 1) the Contract; 2) JAA's ITB Number 12-26-45133, 3) Respondent's Bid, and 4) the Purchase Order.

2.15 GOVERNING LAW AND VENUE

The venue of any legal action brought by or filed against JAA relating to any matter arising under this solicitation or the resulting Contract will be exclusively in the appropriate court, sitting in Duval County, Florida that has jurisdiction over such legal action. This solicitation and the resulting Contract will be governed by and interpreted under the laws of the State of Florida.

2.16 NONWAIVER

Failure by either Party to insist upon strict performance of any of the provisions of the resulting Contract will not release either Party of any of its obligations under the Contract.

2.17 ENTIRE AGREEMENT

The resulting Contract will represent the entire agreement of the Parties and the Parties will not be bound by any stipulations, representations, agreements, or promises, oral or otherwise, not printed or inserted in the resulting Contract. Respondent agrees that no representations have been made by JAA to induce the Respondent to enter into the resulting Contract other than as expressly stated in the resulting Contract. The resulting Contract can neither be changed orally, nor by any means other than by written amendments expressly referencing the resulting Contract and signed by all Parties hereto.

2.18 TIME REQUIREMENT

For every requirement of this solicitation and resulting Contract, time is of the essence.

2.19 DAMAGES

The Respondent acknowledges that it can be compensated adequately by money damages for any breach of the resulting Contract that may be committed by JAA. The Respondent agrees that no default, act or omission of JAA shall constitute a material breach of the resulting Contract entitling the Respondent to cancel or rescind the same or to suspend or abandon performance thereof; and the Respondent hereby waives any and all rights and remedies to which the Respondent might otherwise be entitled to because of any wrongful act or omission of JAA, saving only the Respondent's right to money damages.

ARTICLE III – SPECIAL CONDITIONS

3.01 TECHNICAL DOCUMENTATION

The Commodity bid must meet or exceed all minimum conditions and specifications of the ITB. When technical documentation is required by the ITB, its purpose is to demonstrate compliance of the product bid with applicable technical requirements of the ITB and to allow a technical evaluation of the product. Failure to provide the required technical documentation will make the Respondent non-responsive, unless JAA, in its sole discretion and in the best interest of JAA, determines the acceptability of the products offered through technical documentation available within JAA as of the date and time of bid opening. Such authority of JAA will in no way relieve the Respondent from the ultimate responsibility to submit the required technical documentation, nor will any Respondent assume that such documentation is otherwise available to JAA. JAA will not be responsible for the accuracy of the technical documentation in its possession.

3.02 SPECIFICATION EXCEPTIONS, OMISSION, OR ERRORS

Specifications are based on the most current literature available. Respondent must notify JAA in writing, no less than five (5) business days prior to the above-mentioned Bid Opening date and time, of any change, omission, or error in the manufacturers' specifications which conflict with the bid specifications.

3.03 ADVERTISING

Except for an emblem installed by the manufacturer identifying manufacturer and model, no emblem, logo, tag or other device or design promoting the dealer or Respondent may be affixed in any manner to any portion of the Commodity delivered under this ITB.

3.04 PRICE

JAA will not accept bids for the Commodity that are higher than the manufacturer's published retail price. If a Respondent's price for the Commodity is found to be higher than the manufacturer's published retail price, the Respondent will be disqualified. If at any time after the contract has been awarded a price is found to be higher than the manufacturer's published retail price, the Respondent will be obligated to refund to JAA the difference between the price charged and the manufacturer's published retail price.

3.05 APPROVED EQUIVALENTS

The term Approved Equivalent is used to allow a Respondent to bid components or equipment that are equal to the components or equipment described in the technical specifications.

To receive an Approved Equivalent rating for components or equipment that is different from those in the technical specifications, the Respondent must submit to JAA, in writing, a request for approval, along with all supporting specifications and documentation. Information must be submitted far enough in advance to allow JAA to issue written approval a minimum of five (5) business days before the above-mentioned Bid Opening date. JAA will be the sole judge of the equivalency of components, equipment, and materials.

3.06 ACKNOWLEDGMENT OF ORDER

- A. Acknowledgment of Order form (Attachment 1) must be submitted to JAA via US mail, fax or email to JAA within five (5) calendar days from the date the Respondent receives the purchase order.

FAILURE OF THE RESPONDENT TO ACKNOWLEDGE A PURCHASE ORDER WITHIN THE PRESCRIBED TIME MAY RESULT IN THE RESPONDENT BEING DECLARED IN DEFAULT.

- B. Acknowledgment of receipt of an order will constitute an agreement by the Respondent to deliver the Commodity listed on the purchase order under the terms and conditions of this contract. Failure of Respondent to acknowledge receipt of a purchase order will be considered acceptance by default and the Respondent will be held responsible for delivering the Commodity requested.

3.07 DELIVERY

- A. The Commodity should be delivered to JAA, 14110 Pecan Park Road, Jacksonville, FL 32218.
- B. Respondent will notify JAA personnel designated on the purchase order no less than twenty four (24) hours prior to delivery. Delivery will be accepted only between 8:00 AM and 12:00 PM (local time) and 1:00 PM and 4:30 PM (local time) on JAA normal work days. Delivery not complying with these requirements may be rejected and will have to be redelivered at Respondent's expense.

3.08 ACCEPTANCE

Delivery of the Commodity to JAA does not constitute acceptance for the purpose of payment. Final acceptance and authorization of payment will be given only after a thorough inspection indicates that the Commodity meets contract specifications and the requirements listed below (Documents 1-5).

Should the delivered Commodity differ in any respect from specifications, payment will be withheld until such time as the Respondent completes necessary corrective action.

JAA Procurement Department will notify the Respondent of any deviation in writing within ten (10) business days after the delivery and the provisions of this paragraph will prevail. If the proposed corrective action is not acceptable to JAA, JAA may refuse final acceptance of the Commodity, in which case the Commodity will remain the property of the Respondent and JAA will not be liable for payment for the same or any portion thereof. JAA will also not be liable for any damages caused by or to the Commodity.

The Commodity will be delivered with each of the following documents completed/included:

1. Copy of "Purchasers" Purchase Order.
2. Certification of Compliance and Purchase Order form (Attachment #2)
3. Copy of Pre-Delivery Service Report / Calibration Data and Certification
4. Manufacturer's Certificate of Origin
5. Operator's Manual / Maintenance Manuals

3.09 DISCREPANCIES AT DELIVERY

When a Commodity requires service or adjustments upon delivery, the Respondent will either remedy the defect or be responsible for reimbursing the manufacturers local authorized dealer or others to remedy the defect. Such service or adjustments will be initiated by the Respondent within forty-eight (48) hours (not including weekends and holidays) after notification by JAA. Delivery will not be considered complete until all service or adjustments are accomplished. The cost of any transportation required will be the responsibility of the Respondent until the Commodity is satisfactorily accepted by JAA.

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ARTICLE IV – TECHNICAL SPECIFICATIONS

4.01 GENERAL

JAA intends to purchase one (1) Road Marking Machine to include 2 pumps and slide in mounting frame, fully operational with standard equipment specified by the manufacturer. The Bids will be publicly opened at JAA Administration Building, 14201 Pecan Park Road, Jacksonville, FL. The Commodity must be new, not used or a demo, with full manufacturer warranty. The Commodity must meet the minimum acceptable specifications.

4.02 MINIMUM SPECIFICATIONS

The Commodity purchased through this ITB must come with all the standard equipment specified by manufacturer and this ITB.

See Exhibit D Specifications

4.03 CONDITIONS

- A. In addition to equipment specified by this specification, the Commodity will be equipped with all standard equipment as specified by the manufacturer for the model contemplated hereunder, and will meet all Standards Compliance requirements.
- B. The successful Respondent will be responsible for delivering the Commodity in a new, properly serviced, clean and first class operating condition.
- C. A manufacturer's operator manual and maintenance instructions must be delivered with the Commodity.
- D. The Commodity shall be completely assembled and shall have been thoroughly tested, and be ready for operation upon delivery.
- E. The unit covered by this specification will be the manufacturers' latest basic production model and will at a minimum be equipped with all standard equipment in accordance with the manufacturers' latest literature. Respondent must supply a unit that either meets or exceeds all the requirements included in the applicable technical specifications.
- F. The Respondents must clearly substantiate that the Commodity bid meets or exceeds the requirements of these specifications.
- G. JAA hereby reserves the right to consider and evaluate responses to this solicitation in accordance with manufacturers' literature and/or information that is in possession of JAA, if the literature or information supersedes manufacturers' literature or information submitted by the Respondent.
- H. Respondents will be required to provide any information requested on the price sheets, such as manufacturer and model numbers for various components, and failure or refusal to provide the same may result in a bid rejection. All equipment, options, and features provided must be designed, constructed, and installed to be fully suitable for their intended use and service.
- I. Respondent must provide one (1) day training and be willing to help mount commodity to the utility vehicle.
- J. All warranty work must be performed by a certified repair facility located within a 250 mile radius from Jacksonville for quick response.

(The remainder of this page has been intentionally left blank)

ARTICLE V- BID FORM

Respondent's Name:

CHECKLIST OF REQUIRED DOCUMENTS TO BE SUBMITTED

PROPOSER SHALL SUBMIT ONE (1) ORIGINAL PROPOSAL AND THREE (3) COPIES OF THE ORIGINAL DOCUMENTS. ENVELOPE ONE SHOULD BE LABELED "ORIGINAL" AND ENVELOPE TWO SHOULD BE LABELED "COPIES".

All prices to be FOB, **14110 Pecan Park Road, Jacksonville, FL 32218**. A twenty-four (24) hour advance delivery notice is required. JAA will not pay any transportation, insurance and/or import charges.

A. **Reference Verification Form (Exhibit C):** Provide references from three (3) previous or current customers which Bidder has provided the Road Marking Machine, including contact name, address, phone number, fax and email address.

B. Bid Bond **(5% of Bid Price)**

C. Conflict of Interest Certificate **(Exhibit A)**

D. Local Preference Policy Verification Form **(Exhibit B)**

E. If applicable, submit JSEB and / or DBE Certification Letter.

F. Location of nearest service facility: _____

G. Delivery time in days after receipt of purchase order: _____ (Maximum 30 days)

H. Copy of "Purchasers" Purchase Order. **(Post Award)**

I. Certification of Compliance and Purchase Order form (Attachment #2) **(Post Award)**

J. Copy of Pre-Delivery Service Report / Calibration Data and Certification **(Post Award)**

K. Manufacturer's Certificate of Origin **(Post Award)**

L. Operator's Manual / Maintenance Manuals with technical specifications highlighted **(Post Award)**

M. Addendum Acknowledgement, if applicable

Acknowledgment of the following Addenda is hereby made:

Addenda No. _____ Date: _____ Respondent's Initial: _____

N. Drug-Free Workplace Program Certification:

a. _____ Yes, we have a Drug-Free Workplace Program

b. _____ No, we do not have a Drug-Free Workplace Program

O. Acknowledgement of Warranty Acceptance is hereby made: Respondent's Initial: _____

ARTICLE V- BID FORM

Respondent's Name:

Checklist (Continued)

P. Bid Price: Award will be based on total bid price

	<u>Quantity</u>	<u>Price</u>
Road Pak 2 Pump Marking Machine	1 each	\$ _____
Stencil Gun –Handheld gun and bead dispenser	3 each	\$ _____
Paint tank (paint and water flush)	1 each	\$ _____
Accessory Frame Kit (paint and water tank)	1 each	\$ _____
Bottom Feed Fittings Kit	1 each	\$ _____
Gun Lift /Winch Kit	1 each	\$ _____
3 rd Gun Kit	1 each	\$ _____
Upgraded Line Pointer System	1 each	\$ _____
Bead Gun Attachment Kit	1 each	\$ _____
Paint Gun Kit (replacement gun kit)	1 each	\$ _____
Spray Tip	24 each	\$ _____
Spray Accessory –Filter	6 each	\$ _____
Mesh Gray Filter	6 each	\$ _____
Spray Accessory- Lube 8oz	4 each	\$ _____
3/8 ball valve	1 each	\$ _____
90 degree male elbow	1 each	\$ _____
Delivery Fee (if applicable)		\$ _____
Total:		\$ _____

Q. Bidder Certification and Signature:

By submitting this bid, the Bidder certifies that the Bidder has read and reviewed all of the documents pertaining to this solicitation, that the person signing below is an authorized representative of the Company, that the Bidder is legally authorized to do business in the State of Florida, and that the Bidder maintains in active status all appropriate licenses required for the work.

R. Bid Form Signature:

FAILURE TO SIGN YOUR BID WILL CONSTITUTE A MATERIAL IRREGULARITY AND WILL RESULT IN REJECTION OF THE BID.

Respondent Name: _____

Authorized Agent's Signature: _____ Date: _____

Printed Name: _____ Email: _____

Title: _____

Respondent is a: Corporation Partnership Individual

Federal Identification Number: _____

Remittance Address: _____

Telephone Number: _____ Fax Number: _____

(The remainder of this page has been intentionally left blank)

EXHIBIT A

CONFLICT OF INTEREST CERTIFICATE

Respondent must execute either Section I or Section II hereunder relative to Florida Statute 112.313(12). Failure to execute either section may result in rejection of this bid.

SECTION I

I hereby certify that no official or employee of JAA requiring the goods or services described in these specifications has any financial interest in this company.

Signature

Company Name

Name of Official (type or print)

Business Address

City, State, Zip Code

SECTION II

I hereby certify that the following named JAA official(s) and/or employees(s) has a financial interest(s) in this company have filed Conflict of Interest Statements with JAA Executive Director's / CEO Office, 14201 Pecan Park Road, Jacksonville, FL 32218 prior to the time of bid opening.

Name	Title or Position	Date of Filing
_____	_____	_____

Signature

Company Name

Name of Official (type or print)

Business Address

City, State, Zip Code

SECTION III

PUBLIC OFFICIAL DISCLOSURE

JAA requires that a public official who has a financial interest in a bid, proposal or contract make a disclosure at the time that the bid, proposal or contract is submitted or at the time that the public official acquires a financial interest in the bid, proposal or contract. Please provide disclosure, if applicable, with bid.

Public Official: _____

Position Held: _____

Position/Relationship with Respondent: _____

ATTACHMENT 1

ACKNOWLEDGMENT OF ORDER

JAA Contact Person: _____ Phone: _____

JAA Purchase Order Number _____ was received on _____.

In accordance with JAA Bid Number 12-26-45133, the order was placed with the manufacturer (if applicable) on _____ and assigned production number _____ (production/serial number).

Please reference your purchase order number or the production number if an inquiry is necessary.

NAME: _____

ADDRESS: _____

AUTHORIZED AGENT'S SIGNATURE: _____

PRINTED NAME: _____

EMAIL: _____

TITLE: _____ DATE: _____

COMMENTS: _____

(The remainder of this page has been intentionally left blank)

ATTACHMENT 2

CERTIFICATION OF COMPLIANCE AND PURCHASE ORDER

I do hereby certify, or affirm, that I have personally inspected this equipment and furthermore do certify the following.

- A. The Commodity meets or exceeds all of the requirements of the specifications contained in JAA, ITB # 12-26-45133
- B. The purchase order has been reviewed and the Commodity meets or exceeds all of the applicable requirements.
- C. The Price Sticker or Manufacturer's Invoice with the Commodity.
- D. The Pre Delivery Inspection form with the Commodity.
- E. The Operation and Maintenance Manual with the Commodity.
- F. The Warranty Certification with the Commodity.
- G. Copy of Purchase Order with the Commodity.

Serial Number #: _____ Purchase Order #: _____

Manufacturer: _____ Model: _____ Year: _____

Vendor Name: _____

Inspected By: _____ Date: _____

Authorized Agents Signature: _____

Printed Name: _____

Email: _____

I do hereby certify that I have inspected the above equipment and agree that the equipment meets the stated requirements.

Name: _____ Date: _____

Title: _____

(The remainder of this page has been intentionally left blank)

NO BID FORM

If your company cannot submit a bid at this time, please provide the information requested in the space provided below and return this form to:

**Jacksonville Aviation Authority
Attn: Procurement Department
14201 Pecan Park Road
Jacksonville, FL 32218**

Please be sure "NO BID" and the Bid Number are clearly shown on the outside of the envelope. **RETURN THIS FORM ONLY.**

We are unable to submit a bid at this time due to the following reasons:

- 1. We are unable to provide the nature of the service/products requested. _____
- 2. Requested specifications are too restrictive. (Please elaborate) _____
- 3. We are unable to comply with other terms of this invitation/request. _____
- 4. Request was not sufficiently clear. _____
- 5. Other: Please state the reasons in detail. _____

Comments: _____

Name of Firm: _____

Signature: _____

Printed Name: _____

Title: _____

Telephone Number: _____ Fax Number: _____

Address: _____

City: _____ State: _____ Zip Code: _____



Local Business Verification Form

Normal Market Area (NMA): Baker, Clay, Duval, Flagler, Nassau, Putnam and St. Johns County

Name of Business:		Nature of Business:
Physical Address of Business: (not a PO Box)		
Type of Business	Circle One: Corporation	Sole Proprietor Partnership Other
City / State / Zip		
Local Phone Number:		Fax Number:
Date Business was established in NMA:		Number of employees living in the NMA:
County Location:		Contact Email Address:
Owners Name:		
Business License County:		Date License Issued:

You **MUST** include the following information with the return of the affidavit:

- Current Business, Occupational, and Professional Licenses.
- If a tie occurs between two Local Businesses or Local Bidders, then you will be requested to submit an Employee Roster to include Name, Date of Hire, City, County and Zip Code for the employees living in the NMA.

I certify that the above information is correct and I understand that failure to sign this form and any material misrepresentation will constitute a material irregularity and will result in the disqualification of the status "Local Business".

Authorized Agent's Signature: _____ Date: _____

Printed Name: _____, Title: _____

Sworn to and subscribed before me this _____ day of _____, 20_____.

By _____
(Affiant's Printed Name)

He/She is personally known by me or has produced _____ as identification.

State of _____

Notary seal

(Signed by Notary)

(Notary's Printed Name)

My Commission Expires: _____



JAA
Jacksonville
Aviation
Authority

EXHIBIT C

REFERENCE FORM

Road Marking Machine

ITB # 12-26-45133

Company Name: _____

Contact Name: _____

Contact Title: _____

Contact Phone Number: _____

Contact Fax Number: _____

Contact Email Address: _____

Type of Services Provided: _____

Date Services Performed: Start Date: _____ End Date: _____

Size of Facility: _____ Contract Value: \$ _____

BID SCOPE/SPECIFICATIONS

ROAD MARKING MACHINE

(Self-contained, Modular, Dual Color, Airless, Single Operator)

EXHIBIT D

BID SCOPE/SPECIFICATIONS

ROAD MARKING MACHINE

(Self-contained, Modular, Dual Color, Airless, Single Operator)

1. GENERAL

- 1.1 This specification describes and defines the minimum requirements of a self contained, dual color, airless, single operator, road marking machine capable of applying individual line widths from 2" to 12" per gun in a single pass.
- 1.2 The herein described road marking machine is designed for multiple installation configurations and/or multiple vehicle types for installation and use.
- 1.3 The specified road marking machine shall be designed specifically for single operator road striping.
- 1.4 The specified road marking machine shall have dedicated airless pump(s) for each color to allow instantaneous color selection and for simultaneous dual color striping with a single carriage.
The specified road marking machine shall not only be 100 % chemically compatible with all single component traffic paints but must also have the ability to effectively apply all single component traffic paints including conventional solvent based formulations, VOC compliant high solids solvent based formulations, traditional waterborne formulations, and the new high performance waterborne formulations.
- 1.5 The specified road marking machine shall have the ability to apply all mentioned traffic paint at speeds up to 10 MPH while applying double 4" lines at a wet film thickness of .015 mils.
- 1.6 The intended road marking machine is sized to allow its use with a standard (non modified) pick up truck, or a larger truck chassis, and not to exclude the use of off-road utility vehicles meeting the load range capacity.
- 1.7 The road marking machine power pack shall occupy no more than a standard pallet, 'area', on the vehicle, AND require no special hookups to vehicle, AND be easily removed from vehicle if need exists.

2. FRAMEWORK AND MOUNTING

- 2.1 The road marking machine's frame shall be constructed with 'pallet' style fork truck lift accepting base from any of the (4) sides.
- 2.2 The road marking machine's power pack shall have provisions, lift rings, for lifting with crane or hoist.
- 2.3 The road marking machine's gun carriage shall have the ability to mount to a standard 2 inch hitch receiver or attachment directly to power pack.

3. COMPRESSOR

- 3.1 The compressor shall be rated for 12 CFM at 100 PSI while operating at 1,200 RPM.
- 3.2 Compressor shall be all twin cylinder, air cooled, and of cast iron construction.
- 3.3 Compressor shall have an unloader device to accurately and precisely manage the compressed air when there is no demand. The unloader shall be preset at 90 - 110 PSI and designed to unload to atmosphere.
- 3.4 A safety pop off valve set for 150 PSI shall be installed to further protect the compressed air system.
- 3.5 An Auxiliary air tank with sufficient capacity to dampen unloader valve and reduce air temperature necessary for moisture separation.
- 3.6 An auxiliary air chuck and air pressure gage.

4. ENGINE

- 4.1 The engine shall be a four cycle, twin cylinder, air cooled gasoline engine rated for 18 HP
- 4.2 The engine shall feature electric start and include a 12 volt fully sealed lead acid battery shall be supplied with the system.
- 4.3 A permanent mount, six (6) gallon fuel tank that is CARB Tier III and EPA Phase 3 evaporative compliant.
- 4.4 The engine shall be of Overhead Valve Design.
- 4.5 The engine shall be pressure lubricated.
- 4.6 The engine shall have an integral 25 amp charging system.
- 4.7 The engine controls shall be an integrated part of the engine. CONTROLS THAT ARE SEPARATE FROM THE ENGINE ARE NOT ACCEPTABLE.

5. HYDRAULIC SUPPLY SYSTEM

- 5.1 A pressure compensated piston supply pump shall be provided and have a rated capacity of not less

BID SCOPE/SPECIFICATIONS

ROAD MARKING MACHINE

(Self-contained, Modular, Dual Color, Airless, Single Operator)

than 10 GPM.

- 5.2 The pressure compensated vane supply pump shall provide hydraulic discharge pressures up to 2100 PSI.
- 5.3 A 5 gallon capacity oil supply reservoir shall be included and feature an integrated tank filter. The oil supply reservoir shall be of all steel construction.
- 5.4 The hydraulic system shall be a closed loop design.
- 5.5 All hydraulic fittings shall be JIC type.
- 5.6 All hydraulic hose shall be color coded for easy visual identification. All hydraulic hose shall have a minimum pressure rating of 3000 PSI.
- 5.7 All paint pumps shall include a color coded pump flow selector valve station to allow the bypass of hydraulic oil to the oil reservoir or to direct the oil flow to the pre-selected pump, two pumps, or to all three pumps for simultaneous three pump operation.
- 5.8 A single pressure control knob shall simultaneously and uniformly adjust the hydraulic pressure from 0 - 2100 PSI to all airless pumps as selected.

- 5.9 The hydraulic supply system shall be protected from contaminants by both a suction strainer with a minimum sized filtration area of 250 square inches and an oil return filter with a minimum sized filtration area of 17 square inches.

6. AIRLESS PAINT PUMPS

- 6.1 The airless paint pumps shall be hydraulic driven piston style pump with a displacement of a .067 gal/cycle.
- 6.2 Airless paint pumps shall be capable of 100 % chemically compatible with all single component traffic paints but must also have the ability to effectively apply all single component traffic paints including conventional solvent based formulations, VOC compliant high solids solvent based formulations, traditional waterborne formulations, and the new high performance waterborne formulations.
- 6.3 The airless pump packing shall be staggered leather and Ultra High Molecular Weight Polyethylene and have provisions for external adjustment of the upper packing stack.
- 6.4 The airless pumps wet cup shall be an enclosed design featuring packing cover protectors to prevent dirt or bead contamination into the wet cup and upper packing area.
- 6.5 A total of three (3) airless pumps shall be provided with a dedicated pump for each painted line (two yellow and one white pump as standard).
- 6.6 The airless paint pumps shall be rated for continuous service with flow rates to 2.5 GPM. And have a maximum paint discharge pressure of not less than 2,000 PSI.
- 6.7 A total of three (3) liquid filled fluid pressure gauges shall be provided and installed on the outlet of each airless pump.
- 6.8 MaxLife™ rod and sleeve coatings
- 6.9 The fluid pump shall have a maximum working pressure rating of not less than 3,000 PSI, although the system requires only 2,000 PSI.
- 6.10 The airless pumps must be equipped with stroke counting sensors.

7. PAINT FILTERS AND INLET STRAINERS

- 7.1 A filter assembly shall be located at the outlet of each airless paint pump. Each filter equipped with flush valve returning material back to container.
- 7.2 Each filter assembly shall include a replaceable 30 mesh stainless steel filter screen element. Each filter shall have a minimum filtration area of not less than 18 square inches.
- 7.3 Filters shall be rated for a working pressure of 5,000 PSI.
- 7.4 The exterior of the filter cylinder housing shall be splined for easy hand disassembly and for easy reassembly without the use of hand tools.

8. PAINT GUNS

- 8.1 Two (2) airless paint guns shall be furnished with Double Acting Guns.

BID SCOPE/SPECIFICATIONS

ROAD MARKING MACHINE

(Self-contained, Modular, Dual Color, Airless, Single Operator)

NO SUBSTITUTIONS ALLOWED!

- 8.2 All wetted gun parts shall be a 300 grade stainless steel including the entire fluid housing and the packing assembly.
- 8.3 The paint gun outlet ball and the ball seat shall be constructed of tungsten carbide.
- 8.4 The fluid outlet shall be ported for extra high flow rates and viscosities with have a paint outlet of no less than 3/8" diameter orifice. Paint inlet ports shall be 3/8".
- 8.5 The packing needle shall feature a no exposed, fully enclosed needle assembly that has provisions for instant packing nut adjustments without any disassembly.
- 8.6 The paint guns shall have a pressure rating of 3,000 PSI.
- 8.7 The actuation air chamber and the fluid section shall be divorced and separate to eliminate the possibility of paint entering the air chamber upon paint seal failure.
- 8.8 Each gun shall include 5 Switch Tips and spray tips.
- 8.9 Provisions shall be made to allow the guns to be easily and simply adjusted in all directions including up/down, side-to-side, and forward and back.
- 8.10 The left side paint gun (when viewed from the rear) is a single color gun. The right side gun shall be double plumbed for dual color service utilizing color selection valves and components of 300 grade stainless steel.

9. MATERIAL CONTAINERS AND SIPHON SETS

- 9.1 The road marking machine shall be set up to allow siphoning from the original material containers - 55 gallon drums.
- 9.2 The road marking machine shall come standard with water base siphon hose kits of 1.5 in diameter x 6.5 ft. A solvent resistant kit shall be available for oil base materials meeting the same size requirements.
- 9.3 The siphon hose material shall be clear reinforced PVC for waterborne water base materials and reinforced cross linked polyethylene for oil base solvent materials.

10. BEAD TANK AND DISTRIBUTION

- 10.1 The bead tank capacity shall be 450 pounds and adequately sized for 1 - 55 gallon drum of traffic paint. Unit shall include provisions for 2nd bead tank installation bring bead capacity up to 900 pounds.
- 10.2 The bead tank and lid assembly shall both be ASME certified and be of all steel construction.
- 10.3 Lid design shall be single locking lever type that shall open inwardly. **BEAD TANK DESIGNS WITH REMOVABLE LIDS WITH EXTERNAL CLAMPS ARE NOT ACCEPTABLE.**
- 10.4 Bead tank shall have a top lid assembly and filling area of not less than 14" in diameter.
- 10.5 Tank air system shall include over-pressure relief device set at 75 PSI, and air regulator / moisture separator with automatic water drain and air filter assembly.
- 10.6 Bead distribution manifold shall be located at the tank's 2" outlet and then ported to four (4) 1" ID outlets.
- 10.7 Two (2) 1" ID bead hose shall be used to transfer beads from the bead tank outlet to the bead guns.
- 10.8 All bead hose shall be PVC material and clear for easy bead flow diagnostics.
- 10.9 A 3/8" three way valve shall be provided to allow the operator the choice of pressurizing the bead tank or quick relief of the tank's air pressure. Air relief outlet shall be routed to the underside of the road marking machine with the use of adequately sized plastic tubing.

11. BEAD GUNS

- 11.1 Two (2) bead guns shall be furnished and Automatic Double Acting Guns.
- 11.2 Bead guns shall come complete with "no tools" quick change nozzles in 4 sizes to allow for accurate and repeatable bead flow rates from 0 to 40 pounds per minute per gun.
- 11.3 The bead guns shall have an oversized (spherical) hardened stainless steel ball and seat outlet. The ball and seat shall be hardened to a hardness of not less than 37 - 40 on a scale.
- 11.4 The entire needle assembly shall be completely enclosed and not exposed to external bead and paint contamination.
- 11.5 The needle packing on the pressure bead guns shall be non-adjustable type and not require any packing adjustment throughout the life of the gun. **BEAD GUNS THAT REQUIRE NEEDLE PACKING ADJUSTMENT ARE NOT ACCEPTABLE.**

BID SCOPE/SPECIFICATIONS

ROAD MARKING MACHINE

(Self-contained, Modular, Dual Color, Airless, Single Operator)

- 11.6 The bead gun shall have many common and interchangeable parts with the specified paint guns.
- 11.7 The external housing of the bead gun(s) shall be hard chromed for good wear characteristics and easy clean up.
- 11.8 Bead spreader shall be surface hardened to a hardness of 78 to 82 on a 15N scale and then chrome plated for extended service and for protection from the elements.
- 11.9 Air chamber and bead chambers within the gun shall be divorced and separate.
- 1.10 Each bead guns shall have the ability to uniformly apply beads in widths ranging from 2” to 12” in a single pass.

12. GUN CARRIAGE AND OUTRIGGER

- 12.1 The carriage shall be a weight forward design with the carriage extending forward from the carriage centerline rather than hanging rearward. Rear hanging carriages are not acceptable due to their tendency to “kick” upward upon contact with a bump.
- 12.2 The carriage outrigger shall allow instantaneous changes from the centerline to edge line side without the use of tools. Disassembly, unbolting, unscrewing tees or component removal is NOT ACCEPTABLE.
- 12.3 The carriage when in the transport mode shall lock and clamp in the center of the unit and not hang to the side of the vehicle’s chassis and be within the confines of the striping machine.
- 12.4 A proximity switch shall be located in the gun carriage storage position (transport position) to disable the paint and bead gun to prevent accidental gun actuation while in the storage position.
- 12.5 The outrigger shall include a gas assist piston to ease the lifting of the carriage once the carriage elevated approximately on foot off the ground.
- 12.6 The outrigger shall be constructed of heavy duty 2” x 2” square tubing that shall be Zinc plated for easy clean up and protection from the elements.
- 12.7 A single 10” highway rated outrigger carriage wheel is to be furnished. Carriages with dual tires are not acceptable.
- 12.8 The pivot bearing assembly as part of the outrigger wheel shall be of variable resistance type. The variable resistance bearing assembly shall allow moderate turning radii with increased bearing resistance as the wheel radii increases.
- 12.9 The carriage caster wheel shall allow 180° swiveling in either direction from the forward direction for a total 360° swiveling area.
- 2.10 The carriage shall allow backing up of the vehicle without the requirement of lifting the carriage caster from the road surface.
- 2.11 The distance from the trucks rear axle centerline to the centerline of the gun carriage wheel shall not exceed 24”.
- 2.12 Paint and bead gun with electro-mechanical solenoid actuation valves shall be no more than 6” from the paint and bead guns to assure the fastest response time.
LONGER DISTANCES OR GUN MOUNTED (EXPOSED) VALVES ARE NOT ACCEPTABLE.
- 2.13 All Electro-mechanical valves must be protected within in an all steel enclosure.
- 2.14 All Electro-mechanical valves must be 4-way, opening and closing guns with air. All single acting, 3-way systems, NOT EXCEPTABLE.

13. ELECTRONIC SKIP LINE CONTROLLER

- 13.1 The road marking machine shall include a Programmable Skip line Controller.
- 13.2 The skip line controller shall have a single, integral emergency system shut down switch, (from the driver’s position) shuts down the skipline controller, the engine, all airless pumps, the compressor, the hydraulic system, and all other active systems on the road marking machine.
- 13.3 The controller shall have primary electrical protection by a replaceable fuse.
- 13.4 The skip line controller shall have (6) preset, adjustable, skipline patterns, with (6) switches located on the controller. These (6) switches shall be located above the display and the patterns must be displayed below the switches.
- 13.5 The skipline controller shall have a POWER ON/OFF SWITCH that in the ON position enables battery DC power to the skipline controller. The OFF position shall remove power from the skipline controller. For additional safety, when the skipline controller is in the OFF position the road marking

BID SCOPE/SPECIFICATIONS

ROAD MARKING MACHINE

(Self-contained, Modular, Dual Color, Airless, Single Operator)

machine's engine shall be disabled and incapable of being started.

13.6 The skipline controller shall have a total of (3) three, three-way PAINT GUN switches to allow the choice (SKIP-OFF-SOLID) for either of the two standard paint and bead guns and for activation of the optional third paint and bead striping gun.

13.7 The skipline controller shall have a RESET/HOLD switch - In the HOLD position, guns 1, 2 and 3 are disabled "and" the internal cycle counter shall be reset. In the RESET position the switch shall reset the internal cycle counter without affecting the solid line striping activity.

13.8 The skipline controller shall have a ADVANCE/RETARD switch for adjusting the skip line position to accurately match a previously painted skip line. ADVANCE shall move the dashed line forward while RETARD shall move the line backward. The line position shall be shifted, in the desired direction, no more than 1.2" every time the ADVANCE/RETARD switch is toggled.

13.9 The skipline controller shall have a BEADS ON/BEADS TEST switch - IN the BEADS ON position the bead guns shall be enabled with the paint guns. In the BEADS OFF position the paint guns will operate without actuation of the bead guns. In the BEADS TEST position the guns shall be momentarily actuated without paint gun actuation for flow rate purposes and for visual testing that the bead guns are working.

3.10 The skipline controller shall have a graphic display with large mph/kph displayed in 10ths of MPH/KPH units. In addition the main screen display must have: instant MILS, measuring, and paint/cycle settings with up to 5 preset skip cycles for switching between while painting. A progress bar shall continually show the position of guns during skipline painting.

3.11 The skipline controller shall have a SYSTEM DELAY ON/OFF feature that in the OFF position shall allow the guns to respond immediately. In the SYSTEM DELAY ON position actuation of the PAINT GUN switches and the RESET/HOLD switch shall be delayed by a preset delay distance.

3.12 The internal menu of the skipline controller shall include the following: Gun footage counters and gallon/liter counters standard, Average and instant MILS line thickness calculations, speed alarm, preset skip line settings, marker layout, and setup menus.

3.13 The controller shall have an integral female plug jack port to allow the future addition of the optional remote plug-in MPH display.

3.14 The controller shall have a secondary integral female plug jack port to allow the use of the included remote finger triggering device (with 6' cable and male plug) to ensure accurate skip or solid line retracing regardless of the previously used skipline controller.

3.15 The controller shall be protected from reverse polarity and noise spikes.

3.16 Operating temperature range for the controller shall be -45-150° F.

3.17 Furnished with the system will be a weather resistant 30' control cable to interconnect the Road marking machine and the skip line controller in the vehicle's cab.

3.18 The face of the skipline controller shall have a matte finish decal to eliminate glare from the sun or any of the vehicle's interior lights.

14. MECHANICAL LINE GUIDE ASSEMBLY

14.1 A mechanical line guide shall be easily attached to a previously installed front hitch mount of the intended striping vehicle.

14.2 The line guide shall be mechanically adjustable up and down, side to side, and be reversible for centerline or edgeline striping. All line guide adjustments must be accomplished without the use of hand tools.

15. OPTIONAL EQUIPMENT

15.1 The specified road marking machine must have an optional **video guidance system** with a nitrogen filled 16mm camera and 9" wide-screen monitor. The camera must mount behind and above paint guns for straight and curve line tracking. The monitor must be windshield mount and have built in crosshair for alignment. The system must operate with automatic infrared (low light) to 0 LUX.

15.2 The specified road marking machine must have an optional **2nd Bead Tank**, 450 lb capacity, with provisions for mounting tank inside the dimensions of the power pack.

15.3 The specified road marking machine must have an optional **Gun Lift System (electric winch)** to lift

BID SCOPE/SPECIFICATIONS

ROAD MARKING MACHINE

(Self-contained, Modular, Dual Color, Airless, Single Operator)

gun arm from driver's position.

- 15.4 The specified road marking machine must have an optional **3rd Gun Kit** for dedicated colors and/or wide line painting up to 36" width lines.
- 15.5 The specified road marking machine must have an optional **Double Drop Kit** for applying Type III elements simultaneously with Type I bead.
- 15.6 The specified road marking machine must have an optional **Stencil Gun** for legend and crosswalk painting.
- 15.7 The specified road marking machine must have an optional **Bead Attachment Kit** for stencil gun bead with paint.
- 15.8 The specified road marking machine must have an optional **Paint Transfer Kit** for handling paint transfer.
- 15.9 The specified road marking machine must have an optional **Air Operated Agitator** for 55 gallon drum. It must slip in and out of 'bung' located on the lid of drum.