

January 16, 2014

To: Plan Holders for Improvements to the  
Hannibal Regional Airport  
Hannibal, Missouri  
Project No. 13-049A-1  
Pavement Maintenance

Transmitted herewith is Addendum No. 1 to the Contract Documents, Plans and Specifications dated January 9, 2014 for Improvements to the Hannibal Regional Airport, Hannibal, Missouri, Project No. 13-049A-1.

**SCHEDULE I:**

Repair Concrete Joints and Remark Parallel Taxiway, T-Hangar Taxilanes and Apron



Sincerely,

Jviation, Inc.

Ryan Lorton, P.E.  
Project Manager

**ADDENDUM NO. 1  
TO  
CONTRACT DOCUMENTS, PLANS AND SPECIFICATIONS  
FOR IMPROVEMENTS TO THE  
HANNIBAL REGIONAL AIRPORT  
HANNIBAL, MISSOURI  
PROJECT NO. 13-049A-1**

To All Bidders: You are requested to make all changes and/or additions contained in this addendum to the Bidding Documents. Failure to acknowledge this Addendum in Proposal shall result in rejection of bid. Bidders are informed that the above referenced Contract Documents, Plans and Specifications are modified as follows as of January 16, 2014:

**1. CLARIFICATION**

Both the prebid conference and the bid opening state that they are on Thursdays whereas the actual dates stated are on Wednesdays. The dates stated are correct not the days. Bids shall be received by Wednesday February 5, 2014 and the prebid conference will be held on Wednesday January 22, 2014.

**2. CONTRACT DOCUMENTS**

Requests for Bid/Invitation for Bids

Page: All

Revision: The pre-bid meeting has been revised to read Wednesday January 22, 2014 and the bid opening has been revised to read February 5, 2014.

Section 1: Notice to Bidders

Page: All

Revision: The bid opening has been revised to read Wednesday February 5, 2014.

Section 2: Invitation to Bidders

Page: All

Revision: The bid opening has been revised to read Wednesday February 5, 2014.

### **3. TECHNICAL SPECIFICATIONS**

Tech Spec: MO-620 Runway and Taxiway Painting

Page: All

Revision: Section 620-3.5, paragraphs 4, 5 and 6 have been deleted in their entirety and replaced with a revised paragraph regarding paint application requirements. This specification has been re-issued in its entirety and is attached at the back of this document.

### **4. BID PROPOSAL**

Page: Schedule I Bid Proposal

Revision: The units for Item P-502a Crack Repair have been revised to read as LF instead of SF. Schedule I Bid Proposal has been re-issued in its entirety and is attached at the back of this document.

### **5. QUESTIONS**

Questions will only be taken via written format to Jviation, Inc. until Friday January 31, 2013 5:00 P.M. CST, no other correspondence will be received prior to bid.

**\*\* END OF ADDENDUM NO. 1 \*\***

# REQUESTS FOR BIDS/INVITATION FOR BIDS

City of Hannibal  
Hannibal Regional Airport  
Project No. 13-049A-1

Bid Number 13-049A-1 Hannibal Regional Airport: Repair Joints and Remark Parallel Taxiway, T-Hangar Taxilanes and Apron

Sealed bids will be received until 2:00 p.m., Wednesday, February 5, 2014, in the City of Hannibal, 320 Broadway, Hannibal, MO 63401, for the Hannibal Regional Airport: Repair Joints and Remark Parallel Taxiway, T-Hangar Taxilanes and Apron project, at which time all bids will be publicly opened and read aloud in the City Hall Council Chambers.

A complete set of Specifications and Contract Documents can be downloaded from Jviation, Inc.'s bid site (<http://bid.jviation.com>), beginning on TBD. In order to submit a responsive bid as a Prime Contractor and to receive all necessary addendum(s) for this project, you must be on the Planholder's List. To view all planholder documents (contract documents, plans and addendums) you must fill out the online form located at (<http://www.jviation.com/bidrequest>). By filling out and submitting this form, you agree to be publicly listed on the bid site with your contact information as a planholder for all projects requested. It is the planholder's responsibility to review the site for addendums and changes before submitting their proposal. For additional information, please contact us via email at [bidinfo@jviation.com](mailto:bidinfo@jviation.com).

\*Note that contractors will NOT be automatically added to new projects. You will need to re-submit the online form for access to new projects. Once granted access, additional projects will use your same login credentials. Note: Plan ahead when submitting the online request form and allow up to 2 business days for approval and access to projects.

A prebid conference will be held on Wednesday, January 22, 2014, at the Airport Conference Room, 6079 County Road 425, Hannibal, MO 63401, at 10:00 a.m.

Each proposal must be accompanied by a bid guaranty in the amount of five (5) percent of the total amount of the bid. The bid guaranty may be by bid bond made payable to City of Hannibal.

Bids may be held by City of Hannibal for a period not to exceed 90 calendar days from the date of the bid opening for the purpose of evaluating bids prior to award of contract.

The right is reserved, as City of Hannibal may require, to reject any bid and also the right to reject all bids.

Construction for this project will take place during the Spring/Summer 2014.

In accordance with the Davis-Bacon Act, and the Missouri Prevailing Wage Law, the Contractor will be required to comply with the wage and labor requirements and to pay minimum wages in accordance with the schedule of wage rates established by the United States Department of Labor and the Missouri Division of Labor Standards, respectively. The highest rate between the two (Federal and State) for each job classification shall be considered the prevailing wage.

Missouri Annual Wage Order 20 as amended December 20, 2013 shall be in effect for this project.

51 This project is subject to the requirements of 49 CFR Part 26 Disadvantaged Business Enterprise  
52 Participation. The owner has established a contract goal of 10 percent participation for small business  
53 concerns owned and controlled by qualified disadvantaged business enterprises (DBE). This DBE goal  
54 excludes any additive alternates. The bidder shall make and document good faith efforts, as defined in  
55 Appendix A of 49 CFR Part 26, to meet the established goal.

56  
57 Award of contract is also subject to the following Federal provisions:

- 58
- 59 • Executive Order 11246 and DOL Regulation 41 CFR PART 60 - Affirmative Action to
- 60 Ensure Equal
- 61 • Employment Opportunity.
- 62 • DOL Regulation 29 CFR Part 5 – Davis Bacon Act.
- 63 • DOT Regulation 49 CFR PART 29 - Government wide Debarment and Suspension and
- 64 Government wide
- 65 • Requirements for Drug-free Workplace.
- 66 • DOT Regulation 49 CFR PART 30 - Denial of Public Works Contracts to Suppliers of Goods
- 67 and Services of Countries that Deny Contracts to Suppliers of Goods and Services of
- 68 Countries that Deny Procurement Market Access to U.S. Contractors (Foreign Trade
- 69 Restriction).
- 70 • TITLE 49 United States Code, CHAPTER 501 – Buy American Preferences.
- 71

# SECTION 1

## NOTICE TO BIDDERS

City of Hannibal  
Hannibal Regional Airport  
State Block Grant Project No. 13-049A-1  
Bid Number 13-103 Smartt Field: Runway, Taxiway and Apron Crack Repair and Seal Coat

Sealed bids will be received until 2:00 p.m., Wednesday, February 5, 2014, in the City of Hannibal, 320 Broadway, Hannibal, MO 63401, for the Smartt Field: Runway, Taxiway and Apron Crack Repair and Seal Coat project, at which time all bids will be publicly opened and read aloud in Conference Room 523 of the County Administration Building.

A complete set of Specifications and Contract Documents can be downloaded from Jviation, Inc.'s bid site (<http://bid.jviation.com>), beginning on TBD. In order to submit a responsive bid as a Prime Contractor and to receive all necessary addendum(s) for this project, you must be on the Planholder's List. To view all planholder documents (contract documents, plans and addendums) you must fill out the online form located at (<http://www.jviation.com/bidrequest>). By filling out and submitting this form, you agree to be publicly listed on the bid site with your contact information as a planholder for all projects requested. It is the planholder's responsibility to review the site for addendums and changes before submitting their proposal. For additional information, please contact us via email at [bidinfo@jviation.com](mailto:bidinfo@jviation.com).

\*Note that contractors will NOT be automatically added to new projects. You will need to re-submit the online form for access to new projects. Once granted access, additional projects will use your same login credentials. Note: Plan ahead when submitting the online request form and allow up to 2 business days for approval and access to projects.

**Contract Work Items.** This project will involve the following work items and estimated quantities. Prospective bidders are hereby advised that the quantities indicated herein are approximate and are subject to change.

Item	Description	Unit	Schedule I
MO-100a	Mobilization	LS	1
MO-500a	Joint Sealing	LF	60,000
MO-620a	Permanent Airport Pavement Marking (Black)	SF	9,795
MO-620b	Permanent Airport Pavement Marking (Yellow)	SF	4,636
MO-620c	Pavement Marking Removal	SF	15,000
P-502a	Spall Repair	SF	120
P-502b	Crack Repair	LF	200

**Contract Time.** The owner has established a contract performance time of 14 calendar days from the date of the Notice-to-Proceed. All project work shall be substantially completed within the stated timeframe. This project is subject to liquidated damages as prescribed in the project manual.

**Bid Security.** No bid will be considered unless accompanied by a bid bond secured by an approved surety or sureties, payable to the owner, for not less than five (5) percent of the total amount of the bid.

## SECTION 2

### INSTRUCTIONS TO BIDDERS

This section contains excerpts of the bidding requirements from Section 20 of the General Provisions. The bidder's attention is directed to Section 20 for complete details.

1. **THE EXECUTED PROPOSAL FORM MUST BE SUBMITTED WITH EACH PAGE FROM SECTION B-1 THROUGH B-12. EACH FORM MUST BE COMPLETELY FILLED OUT.**
2. The apparent low bidder shall submit "evidence of competency" and "evidence of financial responsibility" to the owner no later than 3 business days after the specified date for opening bids.
3. Each bidder shall certify in the Proposal Form at the time of bid submittal that they acknowledge receipt of all issued addenda.
4. No bid will be considered unless accompanied by a bid bond secured by an approved surety or sureties (licensed to conduct surety business in the state of Missouri), payable to the owner, for not less than five (5) percent of the amount of the bid.
5. Proposals shall be sent to arrive at the time and date specified in Section 1, Notice to Bidders. Proposals received after the specified time and date will not receive consideration and will be returned unopened. Prior to submittal, the proposal shall be placed in a sealed opaque envelope and addressed to:

City of Hannibal, 320 Broadway, Hannibal, MO 63401

The upper left hand corner of the envelope should be marked as follows: Sealed Bid Proposal

Bid of NAME OF BIDDER

For construction improvements at Hannibal Regional Airport

State Block Grant Project No.: 13-049A-1

To be opened at: 2:00 p.m., Wednesday, February 5, 2014

For a modification to a previously submitted proposal, insert "Modification to Proposal" in place of "Sealed Bid Proposal".

6. The Owner reserves the right to reject any or all bids, as determined to be in the best interest of the Owner.

Causes for rejection of proposals include but are not limited to:

- Submittal of more than one proposal from the same partnership, firm or corporation;
- Failure by Bidder to submit the bid prior to the stated time and date for receipt of bids;
- Failure by Bidder to furnish satisfactory bid guarantee;
- Failure by Bidder to provide all information required of the bid forms;
- Failure by Bidder to comply with the requirements of bid instructions;
- Failure by the Bidder to demonstrate good faith efforts in obtaining participation by certified DBE firms;
- Determination by the Owner that Bidder is not qualified to accomplish the project work;
- Determination by the Owner that the Bidder has placed conditions on or qualified their proposal;
- Discovery of any alteration, interlineations or erasure of any project requirement by the Bidder;

## ITEM MO-620 RUNWAY AND TAXIWAY PAINTING

### DESCRIPTION

**620-1.1** This item shall consist of the painting of numbers, markings, and stripes on the surface of runways, taxiways, and aprons, in accordance with these specifications and at the locations shown on the plans, or as directed by the Engineer.

### MATERIALS

**620-2.1 MATERIALS ACCEPTANCE.** The Contractor shall furnish manufacturer's certified test reports for materials shipped to the project. The certified test reports shall include a statement that the materials meet the specification requirements. The reports can be used for material acceptance or the Engineer may perform verification testing. The reports shall not be interpreted as a basis for payment. The Contractor shall notify the Engineer upon arrival of a shipment of materials to the site.

**620-2.2 PAINT.** Paint shall be Waterborne in accordance with the requirements as herein specified. Paint shall be furnished in White - 37925, Yellow - 33538 or 33655 and Black - 37038 in accordance with Federal Standard No. 595.

**a. WATERBORNE.** Paint shall meet the requirements of Federal Specification TT-P-1952E, Type I.

**620-2.3 REFLECTIVE MEDIA.** Glass beads shall meet the requirements for Federal Specification TT-B-1325D, Type III. Glass beads shall be treated with all compatible agents recommended by the manufacturer of the paint and reflective media to ensure adhesion and embedment.

**620-2.4 MATERIALS:** The non-volatile portion of the vehicle for all paint types shall be composed of a 100% acrylic polymer as determined by infrared spectral analysis. The acrylic resin used for Type III shall be a 100% cross linking acrylic as evidenced by infrared peaks at wavelengths 1568, 1624, and 1672 cm<sup>-1</sup> with intensities equal to those produced by an acrylic resin known to be 100% cross linking.

### CONSTRUCTION METHODS

**620-3.1 WEATHER LIMITATIONS.** The painting shall be performed only when the surface is dry and when the surface temperature is at least 45 degrees F and rising and the pavement surface temperature is at least 5 degrees F above the dew point. Painting operations shall be discontinued when the surface temperature exceeds the maximum surface temperature recommended by the paint manufacturer and shall only be performed during daylight hours.



**620-3.2 EQUIPMENT.** Equipment shall include the apparatus necessary to properly clean the existing surface, a mechanical marking machine, a bead-dispensing machine, and such auxiliary hand-painting equipment as may be necessary to satisfactorily complete the job.

The mechanical marker shall be an atomizing spray-type or airless type-marking machine (truck mounted excluded) suitable for application of traffic paint. It shall produce an even and uniform film thickness at the required coverage and shall apply markings of uniform cross sections and clear-cut edges without running or spattering and without over spray.

**620-3.3 SURFACE PREPARATION.** Immediately before application of the paint, the surface shall be dry and free from dirt, grease, oil, laitance, or other foreign material that would reduce the bond between the paint and the pavement. The area to be painted shall be cleaned by sweeping and blowing or by other methods as required to remove all dirt, laitance, and loose materials without damage to the pavement surface. Use of any chemicals or impact abrasives during surface preparation shall be approved in advance by the Engineer. Paint shall not be applied to Portland cement concrete pavement until the areas to be painted are clean of curing material. Sandblasting or high-pressure water shall be used to remove curing materials.

The Contractor shall obliterate existing markings as shown on the plans or as directed by the Engineer, by high pressure waterblasting or sandblasting to the satisfaction of the Engineer. Areas designated for removal of existing pavement markings by obliteration are noted on the plans. Paint removal shall not cause excessive damage to the pavement surface. If another method of obliteration is proposed by the Contractor, it shall be demonstrated to be effective, not cause excessive damage, and shall only be used subject to approval by the Engineer.

**620-3.4 LAYOUT OF MARKINGS.** The proposed markings shall be laid out in advance of the paint application. Glass beads shall be applied to all runway, taxiway, taxilane and apron markings.

**620-3.5 APPLICATION.** Paint shall be applied at the locations and to the dimensions and spacing shown on the plans. Paint shall not be applied until the layout and condition of the surface has been approved by the Engineer.

The edges of the markings shall not vary from a straight line more than 1/2 inch in 50 feet and marking dimensions and spacings shall be within the following tolerances:

Dimension and Spacing	Tolerance
36 inches or less	+/- 1/2 inch
Greater than 36 inches to 6 feet	+/- 1 inch
Greater than 6 feet to 60 feet	+/- 2 inches
Greater than 60 feet	+/- 3 inches

The paint shall be mixed in accordance with the manufacturer's instructions and applied to the pavement with a marking machine at the rate(s) shown in Table 1. The addition of thinner will not be permitted.

The paint shall be applied in two (2) separate applications for all markings with the exception of taxiway centerline markings. The first application of the pavement markings shall be made at 25% of the application rate minus glass beads. The second application shall be made at 100% of the application rate with glass beads. The time lapse between the two applications shall be per the manufacturer's recommendations. Taxiway centerline markings shall be applied in one application at 100% the application rate with glass beads.

Prior to the initial application of markings, the contractor shall certify in writing that the surface has been prepared in accordance with the paint manufacturer's requirements, that the application equipment is appropriate for the marking paint and that environmental conditions are appropriate for the material being applied. This certification along with a copy of the paint manufacturer's application and surface preparation requirements must be submitted to the Engineer prior to the initial application of markings.

**TABLE 1. APPLICATION RATES FOR PAINT AND GLASS BEADS**

Paint Type	Paint Sq ft per gallon, ft <sup>2</sup> /gal. (Sq ms per liter, m <sup>2</sup> /l)	Glass Beads, Type III, Gradation A Pounds per gallon of paint-lb./gal. (Kg per liter of paint-kg/l)
Waterborne (Permanent)	115 ft <sup>2</sup> /gal Maximum	10 lb/gal Minimum

Glass beads shall be distributed upon the marked areas at the locations shown on the plans to receive glass beads immediately after application of the paint. A dispenser shall be furnished that is properly designed for attachment to the marking machine and suitable for dispensing glass beads. Glass beads shall be applied at the rate shown in Table 1. Glass beads shall not be applied to black paint. Glass beads shall adhere to the cured paint or all marking operations shall cease until corrections are made.

All emptied containers shall be returned to the paint storage area for checking by the Engineer. The containers shall not be removed from the airport or destroyed until authorized by the Engineer.

**620-3.6 PROTECTION.** After application of the paint, all markings shall be protected from damage until the paint is dry. All surfaces shall be protected from excess moisture and/or rain and from disfiguration by spatter, splashes, spillage, or drippings of paint. The Contractor shall remove from the site all debris, waste, loose or unadhered reflective media, and by-products generated by the surface preparation and application operations to the satisfaction of the Engineer. The Contractor shall dispose of these wastes in strict compliance with all applicable state, local, and federal environmental statutes and regulations.

## **METHOD OF MEASUREMENT**

**620-4.1** The quantity of runway, taxiway, taxilane and apron markings and marking removal to be paid for shall be the number of square feet of the item performed in accordance with the specifications and accepted by the Engineer.

**BASIS OF PAYMENT**

**620-5.1** Payment shall be made at the respective contract price per square foot for runway, taxiway, taxilane and apron painting. No direct payment will be made for reflective media. This price shall be full compensation for furnishing all materials and for all labor, equipment, tools, and incidentals necessary to complete the item.

Payment will be made under:

Item MO-620a	Permanent Airport Pavement Marking (Black)--per square foot
Item MO-620b	Permanent Airport Pavement Marking (Yellow)--per square foot
Item MO-620dc	Pavement Marking Removal—per square foot

**MATERIAL REQUIREMENTS**

Federal Standard 595	Colors used in Government Procurement
Fed. Spec. TT-P-1952E	Paint, Traffic and Airfield Marking, Waterborne
Fed. Spec. TT-B-1325D	Beads (Glass Spheres) Retroreflective

**\*\*END OF MO-620\*\***

**BASE BID: SCHEDULE I BID PROPOSAL**

Item No.	Description		Units	Estimated Quantity	Unit Price	Total
MO-100a	MOBILIZATION	at the unit price of: _____dollars and _____cents.	LS	1	\$	\$
MO-500a	JOINT SEALING	at the unit price of: _____dollars and _____cents.	LF	60,000	\$	\$
MO-620a	PERMANENT AIRPORT PAVEMENT MARKING (BLACK)	at the unit price of: _____dollars and _____cents.	SF	9,795	\$	\$
MO-620b	PERMANENT AIRPORT PAVEMENT MARKING (YELLOW)	at the unit price of: _____dollars and _____cents.	SF	4,636	\$	\$
MO-620c	PAVEMENT MARKING REMOVAL	at the unit price of: _____dollars and _____cents.	SF	15,000	\$	\$
P-502a	SPALL REPAIR	at the unit price of: _____dollars and _____cents.	SF	120	\$	\$
P-502a	CRACK REPAIR	at the unit price of: _____dollars and _____cents.	LF	200	\$	\$

**SCHEDULE I TOTAL \$** \_\_\_\_\_