



City of Quincy, Illinois

REQUEST FOR PROPOSALS

Solicitation:

**Quincy Municipal Airport
removal of Taxiway Striping
and also repainting of
Taxiway Striping.**

Issue Date: 10/28/2016

RFP DUE DATE AND TIME: Thursday, November 10, 2016 @ 4:00 PM

Proposals shall be submitted on the enclosed form(s) and returned to the office of

Mary-Ann Ervin
Purchasing Agent
City of Quincy
Suite # 226
730 Maine Street
Quincy, Illinois 62301

Proposals shall be enclosed in a sealed envelope with the return address and the following clearly marked on the outside of the envelope:

**“Proposals For: Quincy Municipal Airport – Removal of Taxiway
Striping and also repainting of Taxiway Striping”
Date: Thursday November 10, 2016 – 4:00 PM”**

All proposal envelopes must be clearly marked with the above statement written on the outside of the proposal packet. The City of Quincy assumes no responsibility for unmarked envelopes being considered for award. Only one (1) proposal per envelope. Authorized company representative is required to sign in ink the proposal signature form. Any proposal not containing the signature form will be automatically rejected. It is requested that completed proposals be either typewritten or handwritten in black ink only. Electronic or Facsimiles will not be considered. Proposals received after the time the bids are due will not be considered for award and will be returned unopened. Subject to the conditions, provisions and the enclosed information, sealed proposals will be received by the Purchasing Department until the stated date and time.

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It is imperative that proposed responses address the specific questions of this RFP.

Terms used in these Proposal Documents that are defined in the Contract have the meanings assigned to them therein. Other terms used in the Proposal Documents not defined elsewhere follow and are applicable to both the singular and the plural. All defined terms are capitalized throughout the Proposal Documents.

- "Proposal Documents" include the Advertisement for Proposals, the Information for Proponents, the Instructions to Proponents, the Proposal Instructions and Forms, and the Draft Contract, together with any appendices, exhibits or addenda thereto.
- "Proponent" means the person or business entity that submits a Proposal directly to the City.
- "Selected Proponent" means the Proponent to whom the City makes an award as provided in the Basis of Award section of these Instructions to Proponents.

Responses are required in **Sections 2 – 4** of this RFP. The exact detailed format for this type of response is left to the vendors' discretion.

The proposer should add pertinent comments, if any, next to each detail requirement. The proposer should take great care in completing this document. There are several requirements that request additional documentation from the proposer. The proposer should attach any additional documentation in the "Additional Comments/Documentation" section of the proposal as outlined throughout the Proposal.

1. Order and Description of Documentation Guideline

Responses should be organized and submitted using the following guidelines.

- **Cover Letter**
- **Executive Summary**

Provide a brief non-technical description of your proposal. Highlight the major advantages and benefits of the proposal and summarize how your proposal meets the needs of the City of Quincy and why your proposal should be selected.

- **Response to all Instructions and Formatting**
- **Vendor Signature Form**
- **Cost Summary Worksheet**
- **Additional Comments/Documentation**

2. Vendor Legal Documentation

To shorten the legal review time during contract negotiations please forward a copy of your firms contract agreement and any other required legal documents that you anticipate being valid.

3. Examination of Proposal Documents

It is the responsibility of each Proponent to do the following before submitting a Proposal:

- Examine the Proposal Documents, with special attention to the terms and conditions of the Draft Contract.
- Become familiar with local conditions that may affect costs, implementation, progress, performance, or furnishing of the services or equipment required under the Draft Contract.
- Consider federal, state and local laws, statutes, ordinances, regulations and other applicable laws that may affect costs, implementation, progress, performance or furnishing of the services or equipment required under the Draft Contract, including, but not limited to, applicable regulations concerning: industry wage rates; nondiscrimination in the employment of labor; minority and women-owned business enterprise requirements; protection of public and employee safety and health; environmental protection; protection of natural resources; fire protection; emergency preparedness; solid waste handling facility standards and permits; and other permits, taxes and fees.
- Submit any questions concerning the Proposal Documents in writing to the City in a timely fashion in order that the questions may be answered in an addendum to be issued by the City.
- Notify the City in writing of any conflicts, errors, omissions or discrepancies in the Proposal Documents.
- Obtain all required signatures on the Proposal Forms.

Before submitting a Proposal, each Proponent shall, at the Proponent's own expense, make or obtain any additional examinations, investigation, research and studies, and obtain any additional information and data that may affect costs, implementation, progress, performance or furnishing of the services or equipment required under the Draft Contract and that the Proponent deems necessary to prepare its Proposal. Proponents are expected to be knowledgeable about the service or goods that they are proposing.

Additionally, Proponents are expected to be knowledgeable about customer service, service standards, complaint resolution, quality management, and other matters necessary to ensure high quality customer service throughout the term of the contract.

4. Interpretations and Addenda

All questions concerning the meaning or intent of the Proposal Documents and notifications concerning any conflicts, errors, omissions or discrepancies in the Proposal Documents are to be directed, in writing, to the contact person specified in Section 1.2.

Questions must be received by date stipulated in Section 1.2 in order to be considered. The City will provide written answers to all questions through addenda to this Request for Proposal. The City reserves the right to modify the Draft Contract or any of the other Proposal Documents prior to the receipt of Proposals with notice to parties that submitted a written request for Proposal Documents.

Questions regarding interpretations of contract language must be asked at this point in the process. The Successful Proponent will be expected to execute the Contract, as included in this RFP, as amended by the City in response to Proponent questions, and as otherwise amended prior to the finalization of the Contract.

5. Contractor Proprietary Information

All proposals submitted will be the property of City of Quincy. Information that a contractor clearly identifies in the proposal as being privileged or proprietary, will not be disclosed to other contractors or non-city project team members to the extent allowed by law.

6. Cost of Proposal Development

All costs associated with the preparation and submittal of responses to this RFP and all costs of conducting system demonstrations shall be entirely those of the proposer. The City of Quincy will not be responsible for any proposal development costs. All supporting documentation and other materials submitted shall become the property of City of Quincy.

7. Selection of Proposals

After the City of Quincy project team and City Council approves a proposal, the winning vendor will be notified by telephone and written letter.

Contract award will be to a responsible vendor, based upon an analysis as outlined in the Basis of Award in this section. A contract will be negotiated with the proposal that the City determines is in its best interest.

8. Limitations

Only proposals that City of Quincy has received by the response deadline will be evaluated.

Should the City of Quincy enter into a contract for any goods or services as a result of this RFP, the contractor shall be responsible, at its cost, for ensuring compliance with all applicable federal, state, and local laws and regulations pertaining to the procurement of products and services pertaining to this RFP.

The City will not be responsible for oral interpretations given by any City employee, representative, or others. The issuance of a written addendum is the only official method whereby interpretation, clarification, or additional information can be given.

If any addenda are issued to this RFP, the City will attempt to notify all prospective Contractors who have secured same. However, it will be the responsibility of each Contractor, prior to submitting the competitive proposal, to contact:

Mary-Ann Ervin
Purchasing Agent
(217) 228-4502

to determine if any addenda were issued and to make such addenda is part of the competitive proposal.

This RFP is not an offer to contract but merely a request for information that may or may not lead to a final agreement. No contract will be considered binding upon either party except in the form of a final written agreement executed by both parties. This solicitation for proposals may be cancelled, or offers may be rejected in whole or in part when in the best interest of City of Quincy.

Failure to include in the proposal all information outlined in this RFP may be cause for rejection of the proposal.

9. City Investigations and Process Decisions

As part of the RFP evaluation process, the City reserves the right to do any or a combination of the following:

- Contact officials from other jurisdictions regarding the Proponent.
- Visit a Proponent's facilities, including proposed processing facilities, and view proposed vehicles and equipment.
- Meet the Proponent's personnel, including interviewing the Proponent's route, operations, management, financial and customer services personnel during the performance of their regular duties.
- Retain independent consultants for assistance in evaluating Proposals and provide proposal materials to those consultants.
- Request clarification or additional information from a specific Proponent in order to assist in the City's evaluation of a Proposal.
- Require changes in the contract as deemed necessary by the City.
- Decline to award a contract or contracts for services as a result of this RFP process.
- Discontinue negotiations with the selected Proponent or any Proponent, and commence discussions with any other party.
- Withdraw the RFP and reject any or all Proposals.
- Not award to any or all Proponents and issue a subsequent RFP based on refinements of concepts proposed in response to this RFP.
- Seek other investigations, inquiries, reviews or clarifications which would allow the City to make informed decisions.

10. Proposal

The Proponent's Proposal must provide unit prices for all service levels indicated on the appropriate Proposal forms. All Proposals shall be provided in current year dollars. The Proposal unit prices will be used, in part, to determine the Selected Proponent as described in the Basis of Award section of these Instructions to Proponents. All costs, including overhead and profit, and taxes, fees or surcharges imposed by federal, state or local laws, for which the Proponent expects to receive payment as a result of the Project must be included in the unit prices, unless otherwise specifically directed.

The City is exempt, by law, from paying State and City Retailers Occupation Tax, State Service Occupation Tax, State Use Tax and Federal Excise Tax. The City will execute tax exemption certifications whenever required. The unit prices should be exclusive of all taxes. In the event the unit price includes taxes, the Proposer must show the amount of tax included in the unit price and documentation on why the City must pay the tax.

The data included in the Scope of Services should be viewed as estimates and are presented solely as the basis for calculations on which the award of the Contract will be made. Actual results experienced during the operation of the Project may differ.

11. Preparation of Proposal Forms

All blank spaces in the Proposal Forms must be completed in black ink, by typewriter or by reproduction of the original forms with a computer. No changes shall be made to the forms. If forms reproduced by a computer are substantially different than the Proposal Forms, the City may deem the Proposal non-responsive.

The Proposal prices must be inclusive of all costs of providing the services and equipment required under the Contract. The City may deem any Proposal non-responsive that contains omissions, erasures, alterations or additions of any kind, or prices uncalled for, or obviously unbalanced, or any proposal that in any manner fails to conform to the conditions of this Request for Proposals.

The Proponent must sign its Proposal in ink in the blank space provided and all names must be typed or printed below the signature, along with evidence that the Proponent is a duly organized and validly existing firm, licensed to do business in the City. If not licensed, a sworn statement must be attached that the Proponent will take all necessary actions to become so licensed if selected as the Successful Proponent. The legal name of the person, firm or corporation submitting the Proposal must be typed or printed in the space provided at the bottom of each page of the Proposal Forms. Proposals by corporations must be executed in the corporate name by the president or a vice-president (or other corporate officer accompanied by evidence of authority to sign). Proposals by partnerships must be executed in the partnership name and signed by a partner, whose title must appear under the signature.

If the signature is by an agent other than an officer of a corporation or a member of a partnership, a notarized power-of-attorney must be on file with the City prior to the opening of Proposals or must be submitted with the Proposal; otherwise, the Proposal may be deemed non-responsive.

12. Modification or Withdrawal of Proposals

Prior to the time and date designated for receipt of Proposals, any Proposal submitted may be modified or withdrawn by notice to the person receiving Proposals at the place designated for receipt of Proposals. Such notice must be in writing to the City contact shown in Section 1.2 and shall include the signature of the Proponent and must be received before the date and time set for receipt of proposals. If, within twenty-four hours after Proposals are opened, any Proponent files a duly signed, written notice with the City and promptly thereafter demonstrates to the reasonable satisfaction of the City that there was an unknown, material and substantial mistake in the preparation of its Proposal, that Proponent may withdraw its Proposal and the Proposal security will be returned.

13. Basis of Award

If the Contract is to be awarded by the City, the Notice of Finalist will be given to the Selected Proponent on or before ninety (90) days after Proposal opening.

The City reserves the right to reject any and all Proposals, to waive any and all informalities, and to disregard all nonconforming, non-responsive or conditional Proposals. In addition, the City is not required to bid this Contract. Therefore, the City reserves the right to negotiate contract changes with the Finalist and/or to award the Contract to any Proponent, or terminate the RFP process and negotiate a contract independently of this process with any entity, at the City's sole discretion.

The City will base its selection on considerations including, but not limited to, unit prices and the clear ability of the Proponent to successfully perform under the terms of the Contract. The City may conduct such investigations as the City deems necessary to assist in the evaluation of any Proposals.

Proposals will be reviewed by an evaluation team composed of City staff and possibly one or more consultants. Proposals may be evaluated in two phases: (1) a review and evaluation of proposal elements other than price, including reference checks; and (2) review of price proposals and scoring of the price components. The City's evaluation committee will then select a finalist Proponent. A contract will then be finalized with the selected Proponent or with another Proponent if contract finalization with the finalist is not successfully concluded in a timely manner.

The City's proposal evaluation committee will review proposals based on the following criteria:

(1) Responsiveness/Completeness

Each proposal will be reviewed based on responsiveness to the information required. All forms must be completed, all questions answered, and all information supplied in the format requested. The City may disqualify any proponent not meeting these initial requirements. Proponents meeting these initial criteria may be contacted by the City to provide specific clarifications.

(2) Minimum General Qualifications

Proponents must have experience in the specific area outlined by the various sections of this proposal. Proponents shall submit all information related to their ability to successfully perform the work described in the RFP. Proponents who do not fully respond to all questions, who do not clearly outline their proposed services, equipment and approaches, and/or who fail to clearly demonstrate their ability to perform under the Draft Contract shall be determined to "fail" meeting the Minimum General Qualifications.

(3) Price Evaluation

(4) Customer Service Approach, and References

(5) System Design and Operations

The City reserves the right to reject any and all Proposals, to waive any and all informalities, and to disregard all non-conforming, non-responsive, irregular or conditional Proposals. The City reserves the right to reject the Proposal of any and all Proponents, if the City believes that it would not be in the best interest of the City to make an award, whether because the Proposal is non-responsive or because the Proponent is found to be not responsible or fails to meet any other pertinent standard or criterion established by the City. The City also reserves the right to suspend the RFP process and extend the existing contract and/or negotiate and execute a contract with any party.

The City may elect to further clarify proposal evaluation and scoring through an addendum to this RFP.

14. Instructions for Submitting a Responsive Proposal

14.1 Obtain Proposal Documents

All proposed documents will be available on the City's website. www.quincyl.gov

14.2 Submit Responsive Proposal

The Proponent shall submit Proposals as required, complying with the requirements of the Proposal Documents. Submit **two (2) copies**, printed and double-sided, of the Proposal Forms and other supporting documents. The Proposal and all Proposal Forms shall be signed by an authorized person, with the signature notarized as specified, and with the contact person's title, address, telephone number and e-mail address provided. **In addition to the printed copies, the Proponent shall provide an electronic copy (.PDF format) of its entire proposal (minus**

bound corporate publications such as annual reports) on a CD submitted with the printed proposal package.

15. Process Integrity Requirements

Each Proponent is individually and solely responsible for ensuring compliance with the following Process Integrity Requirements. This responsibility extends to the Proponent's employees, agents, consultants, lobbyists, or other parties or individuals engaged for purposes of developing or supporting the Proponent's proposal. Requirements include:

- All RFP related communications with the City, from the time this RFP is advertised and issued until the time a negotiated contract is forwarded to the City Council, shall be through the staff contact provided in this RFP.
- Proponents or their agents shall not contact other City staff, appointed or elected officials, consultants retained by the City or other agents regarding this RFP from the time this RFP is advertised and issued until the time a finalized contract is forwarded to the City Council.
- Only City provided information and RFP materials and Addenda that are provided in writing to all Proponents are to be utilized in developing the Proposal. Any Proponent's reliance on other City information and materials may result in a non-responsive Proposal due to inaccurate or incomplete information.
- Any information and materials to be utilized by the City during the Proposal evaluation and selection process must be included as part of the original proposal or submitted in response to a specific request from the City.

Any evidence that indicates a Proponent has failed to comply with the specific Process Integrity Requirements or has otherwise substantially diminished the City's ability to award a Contract in a timely manner and free of contention may result in that Proponent's disqualification and forfeiture of the Proponent's Proposal Bond. The City reserves the sole right to disqualify any Proponent at any point in the process prior to Contract award for failure to comply with this requirement.

SECTION 1 – GENERAL INFORMATION

This section sets forth general requirements for the proposer in order to successfully submit a proposal based on the scope of services set forth in the next section(s).

1.1. Solicitation for Proposals

The City of Quincy is requesting proposals from qualified organizations for the removal of Taxiway Striping. As an alternate, the City is also seeking proposals for the repainting of Taxiway Striping as well.

The Quincy Regional Airport is located at 1645 Highway 104, Quincy, IL 62305.

1.2. Questions Concerning the Request for Proposal

Please direct all questions concerning this RFP to

Mary-Ann Ervin
Purchasing Agent
City of Quincy
730 Maine Street
Quincy, Illinois 62301
(217) 228-4502

All questions must be submitted to the Purchasing Department no later than Thursday, November 3, 2016 in order to be considered.

1.3. Terms and Conditions

The terms and conditions listed throughout this Request for Proposal shall be applicable to any contract or agreement entered into as a result of this RFP. The terms “Operator”, “proposed Operator”, “proposer”, “operator”, “contractor”, “vendor”, and “firm”, may be used interchangeably in this solicitation and shall refer exclusively to the person, company or corporation with whom the City enters into a contract as a result of this solicitation.

1.4. Right of Refusal

The City reserves the right to refuse all proposals in their entirety.

The City reserves unto itself the right to interview contractors or prospective contractors, either prior to or subsequent to the awarding of the proposal, to discuss the nature of the project. The City also reserves unto itself the right to award the contract to a contractor whose proposal is not the lowest proposal, but whose knowledge, expertise, reputation, experiences, and/or previous results on projects, most closely meets the demands and needs of the City. The City reserves unto itself the right to reject a proposal from any contractor whom the City does not believe is qualified to perform the project or whose financial situation is such that there is a possibility that the contractor will not successfully complete the project.

1.5. Independent Contractor Status

It is expressly understood and agreed that the proposer is an independent contractor at all times and for all purposes hereunder. Officers, employees, or representatives of the Contractor will not be deemed in any way to be and shall not hold themselves out as employees, servants, representatives, or agents of the City and will not be entitled to any fringe benefits of the City, such as, but not limited to, health and accident insurance, life insurance, longevity, economic increases or

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paid sick or vacation leave. Solely the Contractor will be responsible for paying payroll wages, for the withholding and payment of all income and social security taxes to the proper federal, state, and local governments, and for providing workers' compensation and unemployment insurance of the Contractor.

1.6. **Subcontracting**

A contractor may provide services through another company or subcontractor provided:

- This provision is not excluded under the Scope of Services.
- The Contractor assumes complete responsibility for implementing all aspects of the RFP. In other words, the City will not be required to enter into any other agreement with any other company or subcontractor upon awarding a contract to a Vendor responding to this RFP.
- The Contractor will provide documentation to the City that it can continue to support all aspects of the Project services, and other required conditions proposed in the event another company or subcontractor should go out of business or cease to do business with the contractor for any reason.
- Contractor to provide copies of subcontract agreements to the City before the contract is signed.

1.7. **Assignment of Contractual Rights**

It is agreed that the successful vendor shall not assign, transfer, convey, or otherwise dispose of the contract or its rights, title or interest in to any part thereof, without previous written consent of the City.

1.8. **Compliance with Regulations and Standards**

All contractors, during their contracted services, must meet or exceed current standards of at least the organizations listed below:

- Institute of Electrical and Electronic Engineers (IEEE)
- American National Standards Institute (ANSI)
- The Environmental Protection Agency (EPA)
- Contractor Work Hours and Safety Standards Act
- Equal Opportunity Act

1.9. **Compliance with the Law**

Contractors shall adhere to all applicable federal, state, and local laws, ordinances, and regulations while rendering services pursuant to this Agreement.

1.10. **Venue**

Any contract resulting from this solicitation shall be governed by, and construed in accordance with, the laws of the State of Illinois. Venue for any litigation arising out of the contract will be vested in Adams County, Illinois.

1.11. Indemnification and Hold Harmless

The Contractor, at its own expense, will protect, defend, indemnify, and hold harmless the City and its elected and appointed officers, employees, or agents from and against any acts, omissions, or negligence by the Contractor that may rise out of this agreement.

1.12. Successors and Assignment of Contractual Rights

The rights and obligations of the Contractor in connection with this project will be binding upon its heirs and successors except that the City reserves the right to terminate the contract with the Contractor, in whole or in significant part, is acquired by another entity during the term of this contract. It is agreed that the successful Contractor will not assign, transfer, convey, or otherwise dispose of, the contract, or its right, title, or interest into any part thereof, without previous written consent of the City.

1.13. Cancellation

The City of Quincy reserves the right to cancel the whole or any part of the contract, if the Contractor fails to perform any of the provisions in the contract or fails to adequately provide quality service during the contract period. The cancellation notice will be written and delivered by certified mail to the contractors address on record.

1.14. Insurance

If stipulated in the Scope of Services, the limits of liability for the insurance required by this section shall provide coverage for not less than the following amounts or greater where required by law or regulation.

- 1) Worker's Compensation:
 - a) Worker's Compensation shall be provided in accordance with the provisions of the Illinois Worker's Compensation Act, as amended. Coverage may be provided by a group self-insured authorized in Section 4 (a) of the Act and approved pursuant to the rules of the Illinois Department of Insurance.
 - b) Employer's Liability
 - i) Each Accident \$500,000
 - ii) Disease – Policy Limit \$500,000
 - iii) Disease – Each Employee \$500,000
- 2) Commercial General Liability:

Required liability insurance coverage shall be written in the occurrence form and shall provide coverage for the contractor's operations or any subcontractors operations (contingent or protective liability) completed operations, broad form property damage, hazards of explosion, collapse and underground and contractual liability. The general aggregate limit shall be endorsed on a per project basis.

 - a) General Aggregate Limit \$2,000,000
 - b) Products \$2,000,000
 - c) Each Occurrence Limit \$1,000,000

Coverage shall provide by an endorsement in the appropriate manner and form, the city, its officers, employees, agents, and consultants (if any) shall be named as additional insured with respect to the policies (general and umbrella if required) for occurrences arising in whole or in part out of the work and operations performed.

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3) Comprehensive Automobile Policy:

This policy covers owned, non-owned, and hired vehicles.

- a) Bodily Injury and Property Damage Liability Limit Each Occurrence:
\$1,000,000

4) Umbrella Policy:

Any umbrella policy shall provide excess limits over and above the other insurance limits stated. The contractor may purchase insurance for the full limits required or by a combination of primary policies for lesser limits and remaining limits provided by the umbrella policy.

5) General Insurance:

All insurance shall remain in force during the contract period, covering occurrences happening on or after the effective date and remaining in effect during the performance of the work and at all times thereafter when the contractor may be correcting, removing, or replacing defective work until this contract expires. Termination or refusal to renew shall not be made without thirty days prior written notice to the city by the insured and the policies shall be endorsed so as to remove any language restricting or limiting liability concerning this obligation.

A certificate of insurance by the insurer issuing the policy and endorsements setting forth the coverage limits, and endorsements shall be filed with the city before the city will execute the contract. A certificate of insurance shall include a statement that “the coverage and limits conform to the minimums required in the contract documents”. In no event shall any failure of the city to receive certificates or to demand receipts be construed as a waiver of the contractor’s obligation to obtain and keep in force the required insurance.

All costs as specified herein shall be considered as included in the cost of the contract. The contractor shall at his/her own expense and risk of delay, cease operations if the required insurance is terminated or reduced below the required amounts. Coverage in the minimum amounts set forth herein shall not be construed to relieve the contractor to indemnify in excess of the coverage in accordance with the contract.

1.15. **Delinquent Payment**

By the signing of this RFP, the Proposer is certifying that the company is not delinquent in the payment of any indebtedness, tax, fee, liens, and fines owned or accruing to the City of Quincy or in the payment of any tax administered by the Illinois Department of Revenue.

1.16. **Termination for Convenience**

The City reserves the right, at any time and for its convenience, to terminate this Agreement in whole or in any separable part by written notice to Contractor. Such notice shall be provided at least sixty (60) days prior to the intended termination date. Contractor shall be compensated for Goods accepted or for Services performed in accordance with the provisions of this Agreement up to the effective date of the termination, less any payments previously made by the City for such Goods or Services, but in no event shall Contractor be entitled to recover loss of profits.

1.17. **Termination for Cause**

In the event that either the Contractor or the City defaults in the performance of any obligation specified herein, the non-defaulting party shall notify the other party in writing and may suspend the Agreement, in whole or in part, pending the remedy of the default. If such default is not remedied within fifteen (15) days from the date of receipt of such notice, or if the other party is diligently

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attempting to cure such default but is unable to cure such default within thirty (30) days from the date of receipt of such notice, then the non-defaulting party shall have the right to terminate the Agreement immediately by providing written notice of termination to the other party.

If during the term of this Agreement, Contractor shall be adjudged bankrupt, make a general assignment for the benefit of its creditors, or become insolvent, Contractor shall give the City written notice of such occurrence as soon as is legally permissible. If such occurrence or proposed occurrence is unacceptable to the City, the City may terminate this Agreement immediately upon written notice thereof to Contractor.

1.18. Severability

The provisions of this Agreement shall be deemed to be severable. Consequently, in the event that any provision of this Agreement is found to be void or unenforceable, such findings shall not be construed to render any other provision of this Agreement either void or unenforceable, and all other provisions shall remain in full force and effect unless the provisions which are void or unenforceable shall substantially affect the rights or obligations granted to or undertaken by either party.

1.19. Ownership of Work Product

The City, its departments, employees, agents or assigns shall have the unrestricted right and authority to reproduce, distribute and use in whole or in part any submitted report or written materials generated by the Contractor in the performance of this Agreement.

1.20. Records, Audit and Inspection

Contractor shall maintain such records as may be necessary to adequately reflect the accuracy of Contractor's charges and invoices for reimbursement under this Agreement and such other additional records as the City may reasonably require in connection with this Agreement. Contractor shall preserve such records in accordance with statutory requirements, but in no case for less than three (3) years after the date of final payment, without additional reimbursement or compensation therefrom. The City and its duly authorized representatives shall have the right, from time to time, and upon reasonable notice, to audit, inspect and verify the records kept by Contractor in connection with this Agreement. The City and its duly authorized representatives shall have the right to visit, observe, audit, and inspect, during the Contractor's normal business hours, Contractor's production and related facilities utilized to perform its obligations under this Agreement.

1.21. Publicity

Neither Contractor nor any subcontractor shall use the name of the City of Quincy, or quote the opinion of any City employee in any advertising, publicity, endorsement or testimonial, without the prior written approval of the City.

1.22. Substance Abuse

Contractor shall advise its employees and the employees of its subcontractors and agents that:

- a) It is the policy of the City of Quincy to provide a drug-free work environment. To that end the City prohibits the illegal use, possession, sale, manufacture, dispensing, and distribution of drugs or other controlled substances on the work site, and prohibits in the

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workplace the presence of an individual with such substances in the body for non-medical reasons.

- b) Any employee of Contractor who is found in violation of the policy may be removed or barred from the work site at the discretion of the City.

1.23. Reservation of Rights

Either party's waiver of any of its remedies afforded hereunder or by law is without prejudice and shall not operate to waive any other remedies which such party shall have available to it, nor shall such waiver operate to waive such party's rights to any remedies for future breach, whether of a like or different character. Furthermore, any termination of this Agreement pursuant to the Articles herein entitled TERMINATION FOR CONVENIENCE and TERMINATION FOR CAUSE, shall not relieve or release either party hereto from any rights, liabilities, or obligations which it has accrued under law or under the terms of this Agreement prior to the date of such termination.

1.24. Prevailing Wage

If applicable to this project, the successful bidder and all subcontractors will be required to pay not less than the Prevailing Wage Rate for workmen engaged in work under this contract, with the provisions of an act of the General Assembly of the State of Illinois entitled "An Act Regulating the Wage of Laborers, Mechanics, and other workmen employed in any public works by the state, city, or any public body, or any political subdivision or by anyone under contract for public works" by an Act approved July 11, 1957, as amended. Attached to and made part of these contract documents is the current prevailing wage rate decision.

It shall be the responsibility of the contractor and his subcontractors to allow the City of Quincy, the Illinois Department of Labor and any authorized representative of any government agency involved in the funding of this project, access to and the right to examine all records, books, papers, payrolls, or other documents related to this construction project. This right shall extend from the time of execution of the contract through the entire period of work, and ending three (3) years after the final pay estimate is disbursed.

The submission of weekly payroll certifications from both the prime contractor and all subcontractors will be required for this project. Submissions shall be made to the City of Quincy, (*project manager*), managing this project. Computer generated forms or other state and/or federal forms listing the appropriate information are acceptable for use as long as a signed certification statement is also on the form signed by a responsible company official. Submittals on a monthly basis broken down per week are acceptable if submitted within ten-days of the end of the month.

Failure to submit the required information may, in addition to such other penalties as may be prescribed by contract or law, be grounds for being barred from bidding upon construction projects using city funds for a period of two-years.

If the Illinois Department of Labor revises, during the term of this contract, the prevailing wage rate of hourly wages to be paid by the City of Quincy in Adams County, the revised rate as provided by the Department of Labor shall apply to this contract.

SECTION 2 – CITY INFORMATION AND MINIMUM QUALIFICATIONS

2.1 City Overview

The City of Quincy is located in Adams County in West Central Illinois. Its western border is the Mississippi River and the State of Missouri. Its population is 40,798. The City Government is composed of an elected Mayor and 14 city council members with an appointed Director of Administrative Services.

The City is responsible for Central Services which includes roads, streets, waste management, forestry, barge dock, public transportation; Planning & Development including code enforcement; Utilities including sewage treatment, storm water management, and water treatment; Public Safety including Police and Fire services; Municipal Airport and Civil Engineering. Administrative responsibilities include finance and accounting, procurement and contracting, information management services, personnel, risk management and the City's Clerk's office.

2.2 Fiscal Year

The City's fiscal year runs from May 1st through April 30th of each calendar year.

2.3 Holiday Schedule

The City's holiday schedule shall include:

New Year's Day	Martin Luther King Day	Presidents Day
Good Friday	Memorial Day	Independence Day
Labor Day	Columbus Day	Veterans Day
Thanksgiving Day and Friday	Christmas Eve and Day	

2.4 Equal Employment Opportunity

The Contractor shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, or disability. Such action shall include, but not be limited to, the following: employment, upgrading, demotion, or transfer; recruitment; advertising; layoff or termination; rates of pay or other forms of compensation; and selection of training, including apprenticeship. The Contractor shall state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, or disability. The Contractor shall incorporate the foregoing requirements of this paragraph in all of its subcontracts for work performed under the terms and conditions of this Contract. A breach of this provision may be grounds for termination of this Contract.

2.5 Proprietary Information

In accordance with the Illinois Public Records Act, and except as may be provided by other applicable State and Federal Law, all proposers should be aware that Request for Proposals and responses thereto are in the public domain. However, the proposals are requested to identify specifically any information contained in their proposals which they consider confidential and/or proprietary and which they believe to be exempt from disclosure, citing specifically the applicable exempting law.

2.6 Insurance

The Proposer shall secure and maintain during the entire term of the contract and extensions thereto, liability insurance in an amount satisfactory to the City as stated in Section 1.14.

SECTION 3 – SCOPE OF SERVICE

The proposed project is for the removal Taxiway Striping. As an alternate, the City is also seeking proposals for the repainting of Taxiway Striping as well.

Taxiway “E” requires the removal and reinstallation of pavement markings. The markings will meet the standard as set forth by the Illinois Department of Transportation (IDOT) Aeronautics Division in “Item 620 Pavement Marking” (provided in Appendix A). The color, quantities and design of the markings is also included in this Request for Proposals in the diagram provided as Appendix “B”.

Please refer to Appendix A and Appendix B.

The City of Quincy reserves the right to award this RFP in whole or in part to the most qualified proposer.

SECTION 4 – BID SUMMARY PAGE



Company Name: _____

Address: _____

City, State, Zip Code: _____

Contact Person: _____

Telephone #: _____

Email Address: _____

Reason: For the removal Taxiway Striping and proposals may also include alternate cost for the repainting of Taxiway Striping as well.

Location: Quincy Regional Airport is located at 1645 Highway 104, Quincy, IL 62305.

Cost for the removal of Taxiway Striping \$ _____

Alternate Cost for the repainting of Taxiway Striping \$ _____

TOTAL COST \$ _____

RETURN WITH BID

By signing this "SIGNATURE FORM" the undersigned bidder certifies that he or she or it is not barred from contracting with the City of Quincy, Illinois as a result of a violation of Articles 33 or 33E of the Criminal Code of 1961 (720 ILCS 5/1-1 et seq.).

Also, pursuant to Section 5/11-42.1-1 of the Illinois Municipal Code (65 ILCS 5/1-1-1 et seq.), the undersigned bidder certifies, under oath, that he or she or it is not delinquent in the payment of any tax administered by the Illinois Department of Revenue, unless such bidder is contesting the liability for the tax or the amount thereof in accordance with the procedures established by the appropriate revenue act.

Failure to complete this notarized certification may result in the rejection of this bid.

(If an individual)

Signature: _____ (Seal)

Business Address: _____

(If a partnership)

Signature: _____ (Seal)

Partnership Name: _____

Partnership Address: _____

(Names and Addresses of all members of the partnership)

(If a corporation/LLC)

Signature: _____ (Seal)

Company Name: _____

Company Address: _____

President/Manager: _____

Secretary/Member: _____

Treasurer/Member: _____

SIGNED and SWORN to before me _____ day of _____, _____.

_____ (NOTARY SEAL)

Notary Public

ITEM 620 PAVEMENT MARKING

DESCRIPTION

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

MATERIALS

620-2.1 MATERIAL ACCEPTANCE. Paint and reflective glass beads shall be pre-approved by the Illinois Department of Transportation. The Contractor shall provide to the Resident Engineer an LA-15 with Test ID number (Supplier's Certification of Shipment of Approved Materials) or a manufacturer's certification listing the IDOT approval number for each batch/lot of paint and beads. Certification or LA-15's shall be submitted to the Resident Engineer upon delivery of materials (or prior to delivery of materials) to the jobsite. The manufacturer's certification shall include a statement that the material meets the specification requirements. It shall also include a batch or lot number that correlates with a batch or lot number on the material container. The Division of Aeronautics, however, reserves the right to perform verification testing for acceptance of these materials.

620-2.2 PAINT. Paint shall be one of the following types, as specified:

A. WATERBORNE. The waterborne paint shall meet the following requirements:

NOTE TO THE CONTRACTOR: The requirements for yellow and white paint are the same as the requirements found in the current Illinois Department of Transportation's *Standard Specifications for Road and Bridge Construction*.

All materials shall meet the following paint specification unless a shortage of raw materials precludes the production of paint which will meet the materials portion of this section. If the shortage can be documented to the satisfaction of the Engineer, then an alternate formulation will be allowed. Any alternate formulation shall comply with the latest volatile organic matter (VOM) content limits published by the IEPA in Title 35, Part 223 of the Illinois Administrative Code.

The finished paint shall be formulated and manufactured from first-grade materials. It shall be free from defects and imperfections that might adversely affect the serviceability of the finished product. It shall be completely free from dirt and other foreign material and shall dry within the time specified to a good, tough, serviceable film. The paint shall show no evidence of excessive settling, gelling, skinning, spoilage or livering upon storage in the sealed shipping containers under normal above freezing temperatures within twelve months of delivery. Any settled portion shall be easily brought back into suspension by hand mixing. When the settled portion is brought back into suspension in the vehicle, the paint shall be homogenous and shall not show a viscosity change of more than 5 KU from the original viscosity. Any paint that has settled within the period of twelve months after delivery to the degree that the settled portion cannot be easily brought into suspension by hand mixing shall be disposed of by the vendor and immediately replaced with acceptable material entirely at the vendor's expense, including handling and transportation charges. The paint, when applied by spraying methods to a hot-mix asphalt pavement, shall not be discolored due to the solvent action of the paint on the surface.

1. Ingredient Materials.

- a. TITANIUM DIOXIDE. This material shall comply with the latest revisions of the Specifications for Titanium Dioxide Pigments, ASTM D 476, Type II, Rutile. A notarized certificate of compliance from the pigment manufacturer shall be required.
- b. YELLOW PIGMENT. This material shall be non-toxic organic pigment, Yellow 65: Engelhard 1244 or equivalent
- c. CALCIUM CARBONATE. This material shall comply with the latest revision of the Specification for Calcium Carbonate Pigments, ASTM D 1199, Type GC, Grade I, with

minimum of 95 percent Calcium Carbonate or Type PC, minimum 98 percent Calcium Carbonate.

- d. ACRYLIC EMULSION POLYMER. This material shall be Rohm and Haas 2706, Dow Chemical DT-211, or approved equal.
- e. METHYL ALCOHOL. This material shall comply with the latest revision of the Specification for Methyl Alcohol, ASTM D 1152.
- f. CARBON BLACK. This material shall be a carbon black pigment, either powdered or pre-dispersed form.
- g. MISCELLANEOUS MATERIALS.
 - i. Water: Potable
 - ii. Dispersant: Tamol 850 (Rohm and Haas) or equivalent
 - iii. Surfactant: Triton CF-10 (Union Carbide) or equivalent
 - iv. Defoamer: Colloids 654 (Rhone-Poulenc) or equivalent
 - v. Rheology Modifier: Natrasol 250 HBR (Aqualon Company) or equivalent
 - vi. Coalescent: Texanol (Eastman Chemical) or equivalent
 - vii. Preservative: Troy 192 (Troy Chemical) or equivalent

- 2. Manufacture. All ingredient materials shall be delivered in the original containers and shall be used without adulteration. The containers shall be marked with the type of material, name of manufacturer and lot number.

The manufacturer shall furnish to the Division the batch formula which will be used in manufacturing the paint.

No change shall be made in this formula without prior approval by the Division and no change will be approved that adversely affects the quality or serviceability of the paint.

The following Standard Formulas shall be the basis for the paint. The finished products shall conform on a weight basis to the composition requirements of these formulas. No variations will be permitted except for the replacement of volatile lost in processing. Amounts are shown in kilograms (pounds) of material.

	WHITE	YELLOW	BLACK
	--	--	9.53 (21)**
C.I. Pigment Yellow 65	--	14.52 (32)	--
Titanium Dioxide, Rutile, Type II	45.36 (100)	9.53 (21)	--
Calcium Carbonate, Type PC	68.04 (150)	68.04 (150)	362.87 (800)***
Calcium Carbonate, Type GC	195.05 (430)	210.92 (465)	***
Rheology Modifier	0.23 (0.5)	0.23 (0.5)	.23 (0.5)*
Acrylic Emulsion, 50% Solids	245.40 (541)	242.68 (535)	196.77 (434)
Coalescent	10.89 (24)	10.43 (23)	9.53(21)
Defoamer	2.27 (5)	2.27 (5)	2.27(5)
Dispersant	3.63 (8)	4.08 (9)	3.18 (7)
Surfactant	0.91 (2)	0.91 (2)	1.13 (2.5)
Methyl Alcohol	13.15 (29)	12.70 (28)	13.61 (30)
Preservative	0.68 (1.5)	0.68 (1.5)	0.68 (1.5)
Aqua Ammonia	--	--	0.23 (0.5)
Water	4.54 (10)	4.54 (10)	26.79 (59)**
<i>Total Kilograms (Pounds)</i>	<i>590.15 (1301)</i>	<i>581.53 (1282)</i>	<i>626.82 (1382)</i>

* Rheology Modifier may be varied by up to 0.05 kg (0.1 pound) to adjust viscosity to desired range.

** Carbon black and water content may vary depending upon the pigment form used. Both must be adjusted to meet the paint properties specified herein.

*** The amount shown is total calcium carbonate, Type PC and Type GC.

3. Paint Properties. The finished paint shall be according to the following.

a. PIGMENT. Analysis of the extracted pigment shall be according to the following.

	WHITE	YELLOW	BLACK
Carbon Black (%)	--	--	Min. 1.5
Organic Yellow 65 (%)	--	Min. 4.8	--
Titanium Dioxide (%)	Min. 13.4	Min. 2.8	--
Calcium Carbonate (%)	Max. 86	Max. 93	Min. 58

The percent pigment by weight of the furnished product shall not be less than 50 percent nor more than 54 percent for white and yellow paint and not less than 59 percent for black paint.

b. VEHICLE. The non-volatile portion of the vehicle shall be composed of a 100 percent acrylic polymer and shall not be less than 44 percent by weight for white and yellow paint and not less than 38 percent by weight for black paint.

c. ORGANIC VOLATILES. The finished paint shall contain less than 150 grams of volatile organic matter per liter of total paint. (ASTM D 3960)

d. TOTAL SOLIDS. The finished paint shall not be less than 73 percent total non-volatile by weight for white and yellow paint and not less than 75 percent for black paint. (ASTM D 2369)

e. UNIT WEIGHT. The unit weight at 77° F (25° C) of the production batches shall not vary more than plus or minus 0.20 lb/gal (0.024 kg/L) from the weight of the qualification samples.

f. VISCOSITY. The consistency of the paint shall not be less than 83 nor more than 98 Krebs units at 77° F (25° C) for white and yellow paint and not less than 78 nor more than 88 Krebs units at 77° F (25° C) for black paint.

g. DRY OPACITY. The minimum contrast ratio shall be 0.97 when tested in accordance with Federal Specification, Method 141 a, No. 4121, Procedure B when applied at a wet film thickness of 15 mils (0.38 mm).

h. COLOR AND DIRECTIONAL REFLECTANCE (white and yellow paint). The paint, applied at a wet film thickness of 15 mils (0.38 mm) and allowed to dry 24 hours, shall meet the following requirements for daylight reflectance and color, when tested, using a color spectrophotometer with 45 degrees circumferential/zero degree geometry, illuminant C, and two degree observer angle. The color instrument shall measure the visible spectrum from 380 to 720 nm with a wavelength measurement interval and spectral bandpass of 10 nm.

White	Daylight Reflectance (Y)	85% min.
Yellow*	Daylight Reflectance (Y)	50% min.

*Shall match Federal 595 Color No. 33538 and chromaticity limit as follows:

x	0.490	0.475	0.485	0.530
y	0.470	0.438	0.425	0.456

i. WATER RESISTANCE. The paint shall conform to Federal Specification TT-P-1952D, Section 3.2.5.

j. FREEZE-THAW STABILITY. The paint shall show no coagulation or change in consistency greater than 10 Krebs Units, when tested in accordance with Federal Specification TT-P-1952D, Section 4.3.8.

- k. ACCELERATED PACKAGE STABILITY. The paint shall show no coagulation, discoloration, or change in consistency greater than 10 Krebs Units when tested in accordance with Federal Specification TT-P-1952D, Section 4.3.4.
- l. DILUTION TEST. The paint shall be capable of dilution with water at all levels without curdling or precipitation such that the wet paint can be readily cleaned up with water only.
- m. STORAGE STABILITY. After 30 days storage in a three-quarters filled, closed container, the paint shall show no caking that cannot be readily re-mixed to a smooth, homogenous state, no skinning, livering, curdling or hard settling. The viscosity shall not change more than 5 Krebs Units from the viscosity of the original sample.
- n. NO PICK-UP TIME. The no pick-up time shall be less than 10 minutes. The test shall follow the requirements of ASTM D 711 with a wet film thickness of 15 mils (0.38 mm).
- o. GRIND. The paint shall have a grind of not less than 3 on a Hegman Grind Gauge.
- p. FLEXIBILITY. The paint shall show no cracking or flaking when tested in accordance with Federal Specification TT-P-1952D, Section 4.3.5.
- q. DRY THROUGH TIME. The paint, when applied to a non-absorbent substrate at a wet film thickness of 15 mils (0.38 mm) and placed in a humidity chamber controlled at 90 ± 5 percent R.H. and a $72.5 \pm 2.5^\circ \text{F}$ ($22.5 \pm 1.4^\circ \text{C}$) shall have a "dry through time" not greater than 15 minutes of the IDOT standard formula. The dry through time shall be determined according to ASTM D 1640, except that the pressure exerted shall be the minimum needed to maintain contact with the thumb and film.
- r. NO-TRACKING TIME FIELD TEST. The paint shall dry to a no-tracking condition under traffic in three minutes maximum when applied at 15 ± 1 mil (0.38 ± 0.03 mm) wet film thickness at $130 - 150^\circ \text{F}$ ($54.4 - 65.6^\circ \text{C}$), and from three to ten minutes when applied at ambient temperatures with 6 pounds (0.72 kg) of glass beads per gal (L) of paint for white and yellow paint and without beads for black paint. "No tracking" shall be the time in minutes required for the line to withstand the running of a standard automobile over the line at a speed of approximately 40 mph (65 km/hr), simulating a passing procedure without tracking of the reflectorized line when viewed from a distance of 50 feet (15 m).

B. EPOXY. The epoxy paint shall be according to the following.

NOTE TO THE CONTRACTOR: These requirements are the same as the requirements found in the current Illinois Department of Transportation's *Standard Specifications for Road and Bridge Construction*.

1. The epoxy marking material shall consist of a 100 percent solid two part system formulated and designed to provide a simple volumetric mixing ratio of two components (must be two volumes of Part A and one volume of Part B). No volatile or polluting solvents or fillers will be allowed. Total solids shall not be less than 99 percent when determined, on the mixed material, according to ASTM D 2369, excluding the solvent dispersion.
2. The Epoxide Value (WPE) of Component A shall be tested according to ASTM D 1652 on a pigment free basis. The WPE shall not vary more than plus or minus 50 units of the qualification samples.
3. The Total Amine Value of Component B shall be tested according to ASTM D 2074. The Total Amine Value shall not vary more than plus or minus 50 units of the qualification samples.
4. Composition by Weight of Component A as Determined by Low Temperature Ashing. A 0.5 gram sample of component A shall be dispersed with a paperclip on the bottom of an aluminum dish, weighed and then heated in a muffle furnace at 1000°F (538°C) for one hour and weighed again. No solvents shall be used for dispersion. The difference in the weights shall be calculated and meet the following.

PIGMENT*	WHITE	YELLOW
Titanium Dioxide ASTM D 476 Type II	21-24%	--
Organic Yellow, Titanium Dioxide, Other	--	± 2%
Epoxy Resin	76-79%	± 2%

*No extender pigments are permitted.

**From the pigment and epoxy resin content determined on qualification samples.

- Upon heating to application temperature, the material shall not exude fumes which are toxic or injurious to persons or property.
- The daylight directional reflectance of the paint (without glass spheres) applied at 14 to 16 mils (0.35 to 0.41 mm) shall meet the following requirements, using a color spectrophotometer with a 45 degree circumferential/zero degrees geometry, illuminant C, and two degree observer angle. The color instrument shall measure the visible spectrum from 380 to 720 nm with a wavelength measurement interval and spectral bandpass of 10 nm.

White	Daylight Reflectance (Y)	80% min.
Yellow*	Daylight Reflectance (Y)	50% min.

*Shall meet the coordinates of the following color tolerance chart.

x	0.490	0.475	0.485	0.530
y	0.470	0.438	0.425	0.456

In addition, the color of the yellow epoxy shall visually match Color Number 33538 of Federal Standard 595a to the satisfaction of the Division.

- The epoxy pavement marking material, when mixed in the proper ratio and applied at 14 to 16 mils (0.35 to 0.41 mm) wet film thickness and with the proper saturation of glass spheres, shall exhibit a dry no-tracking time of twenty minutes or less when tested according to ASTM D 711.
- The epoxy pavement marking materials when mixed in the proper ratio and tested according to ASTM D 7234, shall have a degree of adhesion which results in a 100 percent concrete failure in the performance of this test.
- The epoxy pavement marking materials when tested according to ASTM D 2240, shall have a shore D hardness of between 75 and 100. Films shall be cast on a rigid substrate at 14 to 16 mils (0.35 mm to 0.41 mm) in thickness and allowed to cure at room temperature for 72 hours before testing.
- The abrasion resistance shall be evaluated, according to ASTM D 4060, on a Taber Abrader with a 1,000 gram load and CS 17 wheels. The duration of test shall be 1,000 cycles. The loss shall be calculated by difference and be less than 82 mgs. The tests shall be run on cured samples of material which have been applied at a film thickness of 14 to 16 mils (0.35 mm to 0.41 mm) to code S-16 stainless steel plates. The films shall be allowed to cure at room temperature for at least 72 hours before testing.
- When tested according to ASTM D 638, the epoxy pavement marking materials shall have a tensile strength of not less than 6,000 psi (41,300 kPa). The Type IV specimens shall be cast in a suitable mold not more than 1/4 inch (6.3 mm) thick and pulled at a rate of 1/4 in./min (6.3 mm/min.) by a suitable dynamic testing machine. The samples shall be allowed to cure at room temperature for at least 72 hours before testing.
- When tested according to ASTM D 695, the catalyzed epoxy pavement marking materials shall have a compressive strength of not less than 12,000 psi (83,000 kPa). The cast sample shall be conditioned at room temperature for a minimum of 72 hours before performing the indicated tests. The rate of compression of these samples shall be 1/4 in./min. (6.3 mm/min.) or less.
- The epoxy paint shall be applied to an aluminum alloy panel (Federal Test Std. No. 141, Method 2013) at a film thickness of 14 to 16 mils (0.35 mm to 0.41 mm) and allowed to cure for

72 hours at room temperature. Subject the coated panel for 75 hours to accelerated weathering using the light and water exposure apparatus (fluorescent UV - condensation type) as specified in ASTM G 53 (equipped with UVB-313 lamps).

The cycle shall consist of four hours UV exposure at 122° F (50° C), followed by four hours of condensation at 104° F (40° C). UVB 313 bulbs shall be used. At the end of the exposure period, the panel shall show no more than 10 Hunter Lab Delta E units or substantial change in gloss from the original, non-exposed paint.

14. The material shall be shipped to the job-site in substantial containers and shall be plainly marked with the manufacturer's name and address, the name and color of the material, date of manufacture, and batch number.
15. Prior to approval and use of the epoxy pavement marking materials, the manufacturer shall submit a notarized certification of an independent laboratory, together with the results of all tests, stating these materials meet the requirements as set forth herein. The certified test report shall state the lot tested, manufacturer's name, brand name of epoxy and date of manufacture. The certification shall be accompanied by 1 pt (1/2 L) samples each of Part A and Part B. After approval by the Division, certification by the epoxy manufacturer shall be submitted for each batch used. New independent laboratory certified test results and samples for testing by the Division shall be submitted any time the manufacturing process or paint formulation is changed. All costs of testing (other than tests conducted by the Division) shall be borne by the manufacturer.
16. Acceptance samples shall consist of two 1 pt (1/2 L) samples of Part A and 1 pt (1/2 L) of Part B, of each lot of paint. The samples shall be submitted to the Division for testing, together with a manufacturer's certification. The certification shall state the formulation for the lot represented is essentially identical to that used for qualification testing. All acceptance samples shall be taken by a representative of the Illinois Department of Transportation. The epoxy pavement marking materials shall not be used until tests are completed and they have met the requirements as set forth herein.
17. When concrete pavement is to be painted, it shall attain an age of 28 days before the curing compound is removed and the paint is applied.

620-2.3 REFLECTIVE MEDIA. The glass beads shall be sampled and pre-approved for use by the Illinois Department of Transportation. Type B beads shall be used and shall have a silicone, moisture resistant coating and pass IDOT tests for moisture resistance, as well as packaging specifications and any other relevant IDOT tests.

CONSTRUCTION METHODS

620-3.1 WEATHER LIMITATIONS. The painting shall be performed only upon a dry surface, when the atmospheric temperature is above 45° F. and when the weather is not foggy or windy.

620-3.2 EQUIPMENT. All equipment for the work shall be approved by the Engineer and shall include the apparatus necessary to properly clean the existing surface, a mechanical marking 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 marking machine suitable for application of traffic paint. It shall produce an even and uniform film thickness at the required coverage and shall be designed so as to apply markings of uniform cross sections and clear-cut edges without running or spattering.

620-3.3 PREPARATION OF SURFACE. Immediately before application of the paint, the surface shall be dry and free from dirt, grease, oil, laitance, or other foreign material which 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. Markings shall be applied to the cleaned surface on the same calendar day. If this cannot be accomplished, the surface area shall be re-cleaned prior to applying the markings. No markings shall be placed until the Resident Engineer approves the cleaning.

Paint shall not be applied to Portland cement concrete pavement until the concrete in the areas to be painted is clean of curing material. Sand blasting or high pressure water shall be used to remove curing material from concrete surfaces.

620-3.4 LAYOUT OF MARKINGS. On those sections of pavement where no previously applied markings are available to serve as a guide, the proposed markings shall be laid out in advance of the paint application.

620-3.5 APPLICATION. Markings 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 have been approved by the Resident Engineer.

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

TABLE 1. Application Rates for Paint and Glass Beads

Paint Type	Paint Square feet per gallon, ft ² /gal (Square meters per liter, m ² /l) (Per application)	Glass Beads, Type I, Gradation A Pounds per gallon of paint, lb/gal (Kilograms per liter of paint, kg/l) (Applied to second coat only)
Waterborne	115 ft ² /gal maximum (2.8 m ² /l)	7 lb/gal minimum (0.85 kg/l)
Epoxy	90 ft ² /gal maximum (2.2 m ² /l)	15 lb/gal minimum (1.8 kg/l)

A period of 14 days minimum shall elapse between placement of a HMA surface course or seal coat and application of the paint unless waterborne paint is used. When waterborne paint is used, a minimum of 24 hours shall elapse.

The edges of the markings shall not vary from a straight line more than ½ inch in 50 feet, and the dimensions shall be within a tolerance of plus or minus 5 percent. Glass spheres shall be distributed to the surface of the marked areas immediately after application of the paint. A dispenser shall be furnished which is properly designed for attachment to the marking machine and suitable for dispensing glass spheres. When painting Item 402 Porous Friction Course with waterborne paints, the paint shall be mixed in accordance with the manufacturer's instructions and applied to the pavement with a marking machine from two directions at the rate(s) shown in TABLE 1 from each direction.

Glass spheres shall be required on all pavement markings with the exception of black markings.

The Contractor shall furnish certified test reports for the materials shipped to the project. The reports shall not be interpreted as a basis for final acceptance. The Contractor shall notify the Resident Engineer upon arrival of a shipment of paint to the job site. All emptied containers shall be returned to the paint storage area for checking by the Resident Engineer. The containers shall not be removed from the airport or destroyed until authorized by the Resident Engineer.

620-3.6 PROTECTION. After application of the paint, all markings shall be protected 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.

620-3.7 PAVEMENT MARKING REMOVAL. The Contractor shall remove existing and temporary markings as shown in the plans or as directed by the Engineer using sandblasting, water blasting, shot blasting, or other approved method.

620-3.8 TEMPORARY PAVEMENT MARKING. Temporary pavement marking shall be applied with one coat at the rate shown in TABLE 1.

Glass beads will be required where shown on the plans.

METHOD OF MEASUREMENT

620-4.1 The quantity of runway and taxiway markings to be paid for shall be the number of square feet of painting performed in accordance with the specifications and accepted by the Engineer.

When the project is constructed essentially to the lines, grades, or dimensions shown on the Plans and the Contractor and the Resident Engineer have agreed in writing by the use of form AER-981 that the plan quantities are accurate, no further measurement will be required and payment will be made for the quantities shown in the contract for the various items involved except that if errors are discovered after work has been started, appropriate adjustments will be made.

When the Plans have been altered or when disagreement exists between the Contractor and the Engineer as to the accuracy of the plan quantities, either party shall, before any work is started which would affect the measurement, have the right to request in writing and thereby cause the quantities involved to be measured as herein specified.

The quantity of permanent pavement marking, temporary pavement marking and removal of permanent and temporary markings to be paid for shall be the number of square feet of painting or removal performed in accordance with the specifications and accepted by the Engineer.

BASIS OF PAYMENT

620-5.1 Payment shall be made at the contract unit price per square foot for pavement marking, temporary marking, and pavement marking removal. This price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the item. The application of the reflective media shall be considered incidental to the item of pavement marking for which it is used and no additional compensation will be allowed.

