



City of Phoenix

INVITATION FOR BID  
IFB-25-0515  
PERFORMED THERMOPLASTIC PAVEMENT MARKING  
MATERIALS

City of Phoenix  
Finance Central Procurement  
251 W. Washington St.  
Floor 8  
Phoenix, AZ 85003

RELEASE DATE: February 20, 2025  
DEADLINE FOR QUESTIONS: March 5, 2025  
RESPONSE DEADLINE: March 17, 2025, 2:00 pm

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INVITATION FOR BID  
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Preformed Thermoplastic Pavement Marking Materials

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Attachments:

IFB 25-0515\_Pricing\_Proposal

Submittals - Costs and Payments rev 2-2023

Submittals - Delivery rev 2-2023

Submittals - References rev 2-2023

Submittals - Conflict of Interest and Transparency rev 2-2023

Submittals - Offer Page rev 3-2023

Acceptance\_Form\_2024

# 1. Introduction

## 1.1. Summary

The City of Phoenix Street Transportation Department is seeking Contractor(s) to provide preformed thermoplastic pavement marking materials on an as needed basis, in accordance with the specifications contained herein.

## 1.2. Contact Information

**Scott McBride**

Finance Procurement Officer  
251 W. Washington St.  
Floor 8  
Phoenix, AZ 85003  
Email: [scott.mcbride@phoenix.gov](mailto:scott.mcbride@phoenix.gov)  
Phone: [\(602\) 495-2458](tel:(602)495-2458)

**Department:**

Finance Central Procurement

## 1.3. Timeline

### Schedule of Events

The City reserves the right to change dates, times, and locations, as necessary. All times are Phoenix local time. The City does not always hold a Pre-Offer Conference or Site Visit.

To request a reasonable accommodation or alternative format for any public meeting, please contact the Procurement Officer (Scott McBride) at (602) 495-2458/Voice or 711/TTY, or [scott.mcbride@phoenix.gov](mailto:scott.mcbride@phoenix.gov), no later than two (2) weeks prior to the meeting.

<b>Solicitation Issue Date</b>	February 20, 2025
<b>Pre-Offer Conference (Non-Mandatory)</b>	February 27, 2025, 9:00am via Webex <a href="https://cityofphoenix.webex.com/cityofphoenix/j.php?MTID=mf80949f4615abb46e2e9bd1b000d41bf">https://cityofphoenix.webex.com/cityofphoenix/j.php?MTID=mf80949f4615abb46e2e9bd1b000d41bf</a> Meeting number (access code): 2630 789 1939 Meeting password: xnXX3PApT43
<b>Written Inquiries Due Date</b>	March 5, 2025, 2:00pm
<b>Offer Due Date</b>	March 17, 2025, 2:00pm Submit at <a href="mailto:procurement@phoenix.gov">procurement@phoenix.gov</a>

## 2. Instructions

### 2.1. Description – Statement of Need

The City of Phoenix invites sealed offers for preformed thermoplastic pavement marking materials for a five-year contract commencing on or about July 1, 2025, in accordance with the specifications and provisions contained herein or the “Effective Date” which is upon award by City Council, conditioned upon signature and recording by the City Clerk’s department, as required by the Phoenix City Code, whichever is later.

This solicitation is available through Arizona Relay Service 7-1-1. Please call TTY 800-367-8939 for assistance.

Notwithstanding the foregoing, this Agreement will terminate upon the earliest occurrence: by reaching the end of the term including any extensions exercised, or termination pursuant to the provisions of this Agreement.

### 2.2. City's Vendor Self-Registration and Notification

Vendors must be registered in the City’s procurePHX Self-Registration System at <https://www.phoenix.gov/procure> to respond to solicitations and access procurement information. The City may, at its sole discretion, reject any offer from an Offeror who has not registered.

### 2.3. Preparation of Offer

All forms provided in Submittal Section must be completed and submitted with the Offer. The signed and completed Conflict of Interest and Transparency form must be included or your Offer may be deemed non-responsive.

It is permissible to copy Submittal forms if necessary. Erasures, interlineations, or other modifications of the Offer must be initialed in original ink by the authorized person signing the Offer. No offer will be altered, amended or withdrawn after the specified offer due date and time. The City is not responsible for Offeror’s errors or omissions.

All time periods stated as a number of days will be calendar days.

It is the responsibility of all Offerors to examine the entire solicitation and seek clarification of any requirement that may not be clear and to check all responses for accuracy before submitting an offer. Negligence in preparing an offer confers no right of withdrawal after due date and time. Offerors are strongly encouraged to:

- A. Consider applicable laws and/or economic conditions that may affect cost, progress, performance, or furnishing of the products or services.
- B. Study and carefully correlate Offeror’s knowledge and observations with the solicitation and other related data.
- C. Promptly notify the City of all conflicts, errors, ambiguities, or discrepancies that Offeror has discovered in or between the solicitation and other related documents.
- D. The City does not reimburse the cost of developing, presenting or providing any response to this solicitation. Offers submitted for consideration should be prepared simply and

economically, providing adequate information in a straightforward and concise manner. The Offeror is responsible for all costs incurred in responding to this solicitation. All materials and documents submitted in response to this solicitation become the property of the City and will not be returned.

- E. Offerors are reminded that the specifications stated in the solicitation are the minimum level required and that offers submitted must be for products or services that meet or exceed the minimum level of all features specifically listed in this solicitation. Offers offering less than any minimum specifications or criteria specified are not responsive and should not be submitted.
- F. Offer responses submitted for products considered by the seller to be acceptable alternates to the brand names or manufacturer's catalog references specified herein must be submitted with technical literature and/or detailed product brochures for the City's use to evaluate the products offered. Offers submitted without this product information may be considered as non-responsive and rejected. The City will be the sole judge as to the acceptability of alternate products offered.
- G. Prices will be submitted on a per unit basis by line item, when applicable. In the event of a disparity between the unit price and extended price, the unit price will prevail unless obviously in error.

## 2.4. Fixed Offer Price Period

All offers shall be firm and fixed for a period of 180 calendar days from the solicitation opening date.

## 2.5. Obtaining a Copy of the Solicitation and Addenda

Interested Offerors may download the complete solicitation and addenda from <https://solicitations.phoenix.gov/>. Any interested Offerors without internet access may obtain this solicitation by calling the Procurement Officer or picking up a copy during regular business hours at the City of Phoenix, Finance Department, Central Procurement Division, 251 W Washington Street, 8th Floor, Phoenix, AZ. It is the Offeror's responsibility to check the website, read the entire solicitation, and verify all required information is submitted with their Offer.

## 2.6. Exceptions

Offeror must not take any exceptions to any terms, conditions or material requirements of this solicitation. Offers submitted with exceptions may be deemed non-responsive and disqualified from further consideration in the City's sole discretion. Offerors must conform to all the requirements specified in the solicitation. The City encourages Offerors to send inquiries to the Procurement Officer rather than including exceptions in their Offer.

## 2.7. Inquiries

All questions that arise relating to this solicitation should be directed via email to the Procurement Officer and must be received by the due date indicated in the Schedule of Events. The City will not consider questions received after the deadline.

No informal contact initiated by Offerors on the proposed service will be allowed with members of City's staff from date of distribution of this solicitation until after city council awards the contract. All questions concerning or issues related to this solicitation must be presented in writing.

The Procurement Officer will answer written inquiries in an addendum and publish any addendums on the Procurement Website.

## 2.8. Addenda

The City of Phoenix will not be responsible for any oral instructions made by any employees or officers of the City of Phoenix regarding this solicitation. Any changes will be in the form of an addendum. The Offeror must acknowledge receipt of any/all addenda by signing and returning the document with the Offer submittal.

## 2.9. Business in Arizona

The City will not enter contracts with Offerors (or any company(ies)) not granted authority to transact business, or not in good standing, in the state of Arizona by the Arizona Corporation Commission, unless the Offeror asserts a statutory exception prior to entering a contract with the City.

## 2.10. Licenses

If required by law for the operation of the business or work related to this Offer, Offeror must possess all valid certifications and/or licenses as required by federal, state or local laws at the time of submittal.

## 2.11. Certifications

By signature in the Offer section of the Offer and Acceptance page(s), Offeror certifies:

- The submission of the Offer did not involve collusion or other anti-competitive practices.
- The Offeror must not discriminate against any employee, or applicant for employment in violation of Federal or State Law.
- The Offeror has not given, offered to give, nor intends to give at any time hereafter, any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor, or service to a public servant in connection with the submitted Offer.

## 2.12. Submission of Offer

Offers must be in possession of the Department on or prior to the exact time and date indicated in the Schedule of Events. Late offers will not be considered. The prevailing clock will be the City Department's clock.

Offers must be submitted electronically by email to [procurement@phoenix.gov](mailto:procurement@phoenix.gov) and the following information should be noted in the email:

- A. Offeror's Name
- B. Offeror's Address (as shown on the Certification Page)
- C. Solicitation Number

- D. Solicitation Title
- E. Offer Opening Date
- F. Due to file size limitations for electronic transmission (for sending or receiving), Offers sent by email may need to be sent in parts with multiple emails. It is the responsibility of the Offeror to ensure that the Offer (including all parts if sent in multiple emails) is timely and to confirm that there are no technical reasons that any offer submitted electronically may be delayed. The date and time on the email(s) as received/stamped by the City's inbox will provide proof of submission and verification whether the Offer was received on or prior to the exact time and date indicated in the Schedule of Events.
- G. Any original documents (such as bonds, guaranties, powers of attorney), if required by the solicitation, must be separately delivered to and received by the City on or prior to the exact time and date indicated in the Schedule of Events, with a clear indication of the Offer for which it is attributed.

### 2.13. Withdrawal of Offer

At any time prior to the solicitation due date and time, an Offeror (or designated representative) may withdraw the Offer by submitting a request in writing and signed by a duly authorized representative. If Offeror withdraws the Offer electronically by email to the Procurement Officer, the request to withdraw must be in the form of a letter attached to the email that includes either an image of the duly authorized representative's signature or an electronic signature from a verifiable source, such as Adobe Sign, DocuSign or a similar verifiable software program.

### 2.14. Offer Results

Offers will be opened on the offer due date, time and location indicated in the Schedule of Events, at which time the name of each Offeror, and the prices may be read. Offers and other information received in response to the solicitation will be shown only to authorized City personnel having a legitimate interest in them or persons assisting the City in the evaluation. Offers are not available for public inspection until after the City has posted the award recommendation on the City's website.

The City will post a preliminary offer tabulation on the City's website, <https://solicitations.phoenix.gov/Awards> within five business days of the offer opening. The City will post the information on the preliminary tabulation as it was read during the offer opening. The City makes no guarantee as to the accuracy of any information on the preliminary tabulation. Once the City has evaluated the offers, the City will post an award recommendation on the website. By signing and submitting its Offer, each Offeror agrees that this posting of the award recommendation to the City's website effectively serves as the Offeror's receipt of that notice of award recommendation. The City has no obligation to provide any further notification to unsuccessful Offerors.

### 2.15. Pre-Award Qualifications

Offeror must have been in operation a minimum of three years. The Offeror's normal business activity during the past three years will have been for providing the goods or services in this solicitation.

Upon notification of an intent to award, the Offeror will have ten calendar days to submit a complete certificate of insurance in the minimum amounts and the coverages as required in the Insurance Requirements of this agreement. Insurance requirements are non-negotiable.

## 2.16. Award of Contract

Unless otherwise indicated, award(s) will be made to the most responsive, responsible Offeror(s) who are regularly established in the service, or providing the goods, contained in this solicitation and who have demonstrated the ability to perform in an acceptable manner.

- A. Factors that may be considered by the City include:
  - 1. Technical capability of the Offeror to accomplish the scope of work required in the Solicitation. This may include performance history on past and current government or industrial contracts; and,
  - 2. Demonstrated availability of the necessary manpower (both supervisory and operational personnel) and necessary equipment to accomplish the scope of work in the Solicitation; and,
  - 3. Safety record; and,
  - 4. Offeror history of complaints and termination for convenience or cause.
- B. Notwithstanding any other provision of this solicitation, the City reserves the right to: (1) waive any immaterial defect or informality; or (2) reject any or all offers or portions thereof; or (3) reissue a solicitation.
- C. A response to a solicitation is an offer to contract with the City based upon the terms, conditions, and specifications contained in the City's solicitation. Offers do not become contracts until they are executed by the Chief Procurement Officer or Department Director. A contract has its inception in the award, eliminating a formal signing of a separate contract. For that reason, all of the terms, conditions and specifications of the procurement contract are contained in the solicitation, and in any addendum or contract amendment.

## 2.17. Solicitation Transparency Policy

Commencing on the date and time a solicitation is published, potential or actual Offerors or respondents (including their representatives) shall only discuss matters associated with the solicitation with the Mayor, any members of City Council, the City Manager, any Deputy City Manager, or any department director directly associated with the solicitation (including in each case their assigned staff, except for the designated Procurement Officer) at a public meeting, posted under Arizona Statutes, until the resulting contract(s) are awarded to all offers or responses are rejected and the solicitation is cancelled without any announcement by the Procurement Officer of the City's intent to reissue the same or similar solicitation.

As long as the solicitation is not discussed, Offerors may continue to conduct business with the City and discuss business that is unrelated to the solicitation with the City staff. Offerors may not discuss the solicitation with any City employees or evaluation panel members.



Offerors may discuss their proposal or the solicitation with the Mayor or one or more members of the Phoenix City Council, provided such meetings are scheduled through the Procurement Officer, and are posted as open meetings with the City Clerk at least 24 hours prior to the scheduled meetings. The City Clerk will be responsible for posting the meetings. The posted notice shall identify the participants and the subject matter, as well as invite the public to participate.

With respect to the selection of the successful Offerors, the City Manager and/or City Manager's Office will continue the past practice of exerting no undue influence on the process. In all solicitations of bids and proposals, any direction on the selection from the City Manager and/or City Manager's Office and Department Head (or representative) to the proposal review panel or selecting authority must be provided in writing to all prospective Offerors.

This policy is intended to create a level playing field for all Offerors, assure that contracts are awarded in public, and protect the integrity of the selection process. OFFERORS THAT VIOLATE THIS POLICY SHALL BE DISQUALIFIED. After official Notice is received by the City for disqualification, the Offeror may follow the Protest process, unless the Solicitation is cancelled without notice of intent to re-issue.

“To discuss” means any contact by the Offeror, regardless of whether the City responds to the contact. Offerors that violate this policy will be disqualified until the resulting contract(s) are awarded, or all offers or responses are rejected and the solicitation is cancelled without any announcement by the Procurement Officer of the City's intent to reissue the same or a similar solicitation. The City interprets the policy as continuing through a cancellation of a solicitation until Council award of the contract, as long as the City cancels with a statement that the City will rebid the solicitation.

## 2.18. Protest Process

Offeror may protest the contents of a solicitation no later than seven days before the solicitation deadline when the protest is based on an apparent alleged mistake, impropriety or defect in the solicitation. Protests filed regarding the solicitation may be addressed by an amendment to the solicitation or denied by the City. If denied, the opening and award will proceed unless the City determines that it is in the City's best interests to set new deadlines, amend the solicitation, cancel or re-bid.

Therefore, unless otherwise notified by a formal amendment, the Protester must adhere to all solicitation dates and deadlines, including timely filing of an offer, regardless of filing a protest.

Offeror may protest an adverse determination issued by the City regarding responsibility and responsiveness, within seven days of the date the Offeror was notified of the adverse determination.

Offeror may protest an award recommendation if the Offeror can establish that it had a substantial chance of being awarded the contract and will be harmed by the recommended award. The City will post recommendations on the City's website to award the contract(s) to an Offeror(s). Offeror must submit award protests within seven days after the posting of the award recommendation, with exceptions only for good cause shown, within the City's full and final discretion.

All protests will be in writing, filed with the Procurement Officer identified in the solicitation and include the following:

- Identification of the solicitation number;
- The name, address and telephone number of the protester;
- A detailed statement describing the legal and factual grounds for the protest, including copies of relevant documents;
- The form of relief requested; and
- The signature of the protester or its authorized representative.

The Procurement Officer will render a written decision within a reasonable period after the protest is filed. The City will not request City Council authorization to award the contract until the protest process is complete. All protests and appeals must be submitted in accordance with the City's Procurement Code, (Phoenix City Code, Ch. 43) and any protests or appeals not submitted within the time requirements will not be considered. Protests must be filed with the Procurement Officer.

## 2.19. Public Record

All Offers submitted in response to this solicitation will become the property of the City and become a matter of public record available for review pursuant to Arizona State law. If an Offeror believes that a specific section of its Offer response is confidential, the Offeror will isolate the pages marked confidential in a specific and clearly labeled section of its Offer response. An Offeror may request specific information contained within its Offer is treated by the Procurement Officer as confidential provided the Offeror clearly labels the information "confidential." To the extent necessary for the evaluation process, information marked as "confidential" will not be treated as confidential. Once the procurement file becomes available for public inspection, the Procurement Officer will not make any information identified by the Offerors as "confidential" available to the public unless necessary to support the evaluation process or if specifically requested in accordance with applicable public records law. When a public records request for such information is received, the Procurement Officer will notify the Offeror in writing of any request to view any portion of its Offer marked "confidential." The Offeror will have the time set forth in the notice to obtain a court order enjoining such disclosure. If the Offeror does not provide the Procurement Officer with a court order enjoining release of the information during the designated time, the Procurement Officer will make the information requested available for inspection.

## 2.20. Late Offers

Late Offers must be rejected, except for good cause. If a late Offer is submitted, the Department will document the date and time of the submittal of the late Offer, keep the Offer and notify the Offeror that its Offer was disqualified for being a late Offer.

## 2.21. Right to Disqualify

The City reserves the right to disqualify any Offeror who fails to provide information or data requested or who provides materially inaccurate or misleading information or data. The City further reserves the right to disqualify any Offeror on the basis of any real or apparent conflict of interest that is disclosed by the Offer submitted or any other data or information available to the City. This disqualification is at the sole discretion of the City. By submission of a solicitation response, the Offeror waives any right to object now or at any future time, before any agency or

body including, but not limited to, the City Council of the City or any court as to the exercise by the City of such right to disqualify or as to any disqualification by reason of real or apparent conflict of interest determined by the City. The City reserves the right to replace the disqualified Offeror.

## 2.22. Contract Award

In accordance with the City of Phoenix Code, Chapter 43, Section 43-12, Competitive Sealed Bidding, award(s) shall be made to the lowest responsible and responsive offeror(s) whose offer conforms in all material respects to the requirements set forth in this solicitation. The City reserves the right to award a contract by individual line items, by group, all or none, or any other combination most advantageous to the City. The City reserves the right to multiple award.

## 2.23. Determining Responsiveness and Responsibility

Offers will be reviewed for documentation of any required minimum qualifications, and completeness and compliance with the solicitation requirements. The City reserves sole discretion to determine responsiveness and responsibility.

**Responsiveness:** Nonresponsive Offers will not be considered in the evaluation process. The solicitation states criteria that determine responsiveness, and the solicitation includes terms and conditions that if included or excluded from Offers will render an Offer nonresponsive.

**Responsibility:** To obtain true economy, the City must conduct solicitations to minimize the possibility of a subsequent default by the Offeror, late deliveries, or other unsatisfactory performance that may result in additional administrative costs. It is important that the Offeror be a responsible Offeror. Responsibility includes the Offeror's integrity, skill, capacity, experience, and facilities for conducting the work to be performed.

## 2.24. Equal Low Offer

Contract award will be made by putting the names of the tied Offerors in a cup for a blind drawing limited to those bidders with tied Offers. If time permits, the Offerors involved will be given an opportunity to attend the drawing. The drawing will be witnessed by at least three persons, and the contract file will contain the names and addresses of the witnesses.

### **3. Scope of Work**

#### **3.1. Background**

Preformed thermoplastic pavement marking materials are part of a pavement marking system in which thermoplastic markings, symbols, and legends, are supplied in their final form and applied by means of heat fusion. The supplied materials and accessories will be used for maintenance and installation of pavement markings throughout the City of Phoenix. Most of those markings will be transverse. Transverse markings are those normally placed across and/or in traffic lanes, such as crosswalk lines, stop lines, turn-arrow symbols, and word legends. The pavement markings shall be suitable for applications on all types of pavement surfaces.

#### **3.2. Materials Requirements**

##### **3.2.1**

The thermoplastic pavement marking materials, also referred to as pavement markings, must be fully compatible to the applicable requirements of the U.S. Department of Transportation, Federal Highway Administration's Manual of Uniform Traffic Control Devices (MUTCD) 2023 Edition Part 3 – Markings ([https://mutcd.fhwa.dot.gov/pdfs/11th\\_Edition/part3.pdf](https://mutcd.fhwa.dot.gov/pdfs/11th_Edition/part3.pdf)), and any related Federal Highway Administration (FHWA) documents.

##### **3.2.2**

All items will be 125 Mil thick. The density and character of the material shall be uniform throughout its thickness.

##### **3.2.3**

Material must be composed of an ester modified rosin resistant to degradation by motor fuels, lubricants, etc., in conjunction with aggregates, pigments, binders, and glass beads which have been factory produced as a finished product and meets the requirements of the current edition of the Manual on Uniform Traffic Control Devices (MUTCD) for Streets and Highways ([https://mutcd.fhwa.dot.gov/kno\\_11th\\_Edition.htm](https://mutcd.fhwa.dot.gov/kno_11th_Edition.htm)). The thermoplastic material must conform to AASHTO designation M249 (<https://store.transportation.org/item/publicationdetail/1969>), apart from the relevant differences due to the material being supplied in a preformed state.

##### **3.2.4**

Material must be able to develop a strong and durable bond without the use of any additional primer/sealer/adhesive for asphalt application. A two-part AB primer/sealer/adhesive is acceptable for installation on concrete surfaces.

##### **3.2.5**

After initial installation, and upon cooling, the material shall be immediately ready for traffic (Approximately 15 minutes after application). The drying time shall not exceed a characteristic straight-line curve, the lower limits of which are one minute at 50°F, the upper limits of which are 15 minutes at 90°F, both temperatures measured at a maximum relative humidity of 70 percent. After application, and proper drying time, the material shall show no appreciable deformation or discoloration under local traffic conditions at a road temperature ranging from -20°F to 140°F.

### 3.2.6

Additionally, after being thermally molded and fused to the pavement surface, the material shall maintain all its performance characteristics that make it a useful and durable pavement marking symbol, legend, or line (e.g. shape, color, skid resistance, retroreflective appearance, etc.) or adhesive (hold the marker or channelizer down on the pavement to its intended alignment). The markings shall not smear or spread under normal traffic conditions at temperatures below 120°F. The markings shall have a uniform cross-section.

### 3.2.7

The material should be fully compatible with all pavement surfaces and suitable as a re-stripe material. The material shall also have a resealing characteristic that allows it to fuse to previously applied hydrocarbon or alkyd thermoplastics. The preformed marking materials shall be capable of application on new, dense, and open graded asphalt wearing courses during the paving operation in accordance with the manufacturer's instructions.

### 3.2.8

The preformed marking materials shall conform to pavement contours, breaks, and faults through the action of traffic at normal pavement temperatures. The markings shall have resealing characteristics and be capable of fusing to itself and previously applied hydrocarbon and/or alkyd thermoplastic pavement markings.

### 3.2.9

The pavement markings shall be specifically formulated to withstand Arizona's desert roadway environment while maintaining its needed shape, color, skid resistance, presences, and retroreflective appearance. The retroreflective appearance requirement does not apply to adhesive pads. The materials shall, at minimum, come with a one-year storage warranty, and a one-year after installation field performance and durability warranty. This requirement assumes that the pavement markings are properly installed, and the underlying pavement stays in place and does not fail.

### 3.2.10

The installation of pavement markings shall be designed to be accomplished with little, if any, special equipment (e.g. propane-fueled heat torch) and broom for sweeping. Gently heating the road surface for moisture removal prior to installation is an acceptable installation requirement. The installation requirements shall be simple and straightforward.

### 3.2.11

The surface, with properly applied and embedded with surface beads, must provide a minimum resistance value of 45 BPN when tested according to ASTM E 303 (<https://www.astm.org/e0303-22.html>).

### 3.2.12

The pavement markings shall not break into pieces under normal handling and installation practices, or it shall be replaced by, and at the expense of, the Contractor. All symbols, legends, flat-line segments, and adhesive pads, should be in individual containers or boxes that are easy to handle and store. However, whatever method is used, it shall be adequate to protect the material from damage as it is handled, shipped, stored, and end-used. In the field, large shipments shall be placed on pallets. Contents shall be marked on the containers. All containers shall include installation instructions. All shipments of materials shall be in containers and prepared in such a manner that they conform to all applicable federal, state, and local requirements, as well as those specified herein.

## 3.3. Graded Glass Beads

### 3.3.1

Premix Glass Spheres: The material shall contain either a minimum of 15 percent by weight of premixed glass spheres having a minimum refractive index of 1.65, or a minimum of 30 percent by weight of premixed glass spheres having a minimum refractive index of 1.50.

### 3.3.2

The material must have factory applied coated surface beads in addition to the intermixed beads at a rate of one pound ( $\pm 10\%$ ) per 10 square feet. The factory applied, coated surface beads shall have a minimum of 90 percent true spheres, minimum refractive index of 1.50.

### 3.3.3

When viewed through a 60-power microscope in the refractive index liquid, no more than five percent of the spheres will show evidence of air inclusions, bubbles, lap lines, chill wrinkles, or other imperfections.

### 3.3.4

The quality of foreign matter shall not exceed one percent.

### 3.3.5

The index refraction of the premixed glass spheres shall be determined by the liquid immersion method 251 C.

### 3.3.6

The glass spheres shall withstand immersion in water and acids without undergoing noticeable corrosion or etching, and shall not be darkened or otherwise noticeably decomposed by sulfides. The tests for chemical resistance shall consist of one hour immersion in water and in corrosive agents followed by microscopic examination. A three to five gram sample shall be placed in each of three glass beakers or porcelain dishes and one covered with distilled water, one with 3N solution of sulfuric acid, and the last with a solution of 50 percent sodium sulfide, 58 percent distilled water agent. At the end of one-hour, no darkening, hazing, or other evidence of instability shall be noticeable when examined microscopically.

### 3.3.7

When tested in accordance with ASTM:1224, the beads used in the thermoplastic material compounding shall be as follows:

U.S Standard Sieve Size	Present Passing
16	100
30	60-90
50	15-40
80	0-10
100	0-5

## 3.4. Two-Part Primer

The two-part primer/sealer/adhesive style shall:

### 3.4.1

Have the lowest possible flammability, health, and reactivity Hazardous Materials Identification System (HMIS) rating available for this style of product.

([https://www.chemsafetypro.com/Topics/USA/Hazardous Materials Identification System HMIS.html](https://www.chemsafetypro.com/Topics/USA/Hazardous_Materials_Identification_System_HMIS.html))

### 3.4.2

Not generate hazardous material waste.

### 3.4.3

Be packaged in separate cartridges.

### 3.4.4

Mixing of the two parts shall be accomplished by dispensing the material thru a self-mixing nozzle. This is intended to reduce the risk of contact and inhalation exposure to the two-part primer/sealer/adhesive by the installation crew.

## 3.5. Retro-Reflectivity

The material, when applied in accordance with manufacturer's guidelines, must demonstrate a uniform level of sufficient nighttime retro-reflection when tested in accordance to ASTM E 1710. The applied material must have an initial minimum intensity reading of 500 mcd-m<sup>-2</sup>-lx<sup>-1</sup> for white and 300 mcd-m<sup>-2</sup>-lx<sup>-1</sup> for yellow as measured with an LTL-2000 or LTL-X Retro-Reflectometer.

### 3.6. Pigments

#### 3.6.1

**White:** The material shall be manufactured with sufficient titanium dioxide pigment to meet FHWA Docket No. FHWA-99-6190 Table 5 and Table 6 (<https://mutcd.fhwa.dot.gov/kno-colorspec.htm>) as revised and corrected.

#### 3.6.2

**Yellow:** The material shall be manufactured with sufficient pigment to meet FHWA Docket No. FHWA-99-6190 Table 5 and Table 6 as revised and corrected. The yellow pigment must be organic and must be heavy-metal free.

#### 3.6.3

**Bike Lane Green Color and other Colors:** The pigments must be heavy-metal free.

#### 3.6.4

Pigment shall be evenly dispersed throughout the material.

#### 3.6.5

Design of Green Colored Pavement:

A. The daytime chromaticity coordinates for the color used for green colored pavement shall be as follows. The daytime luminance factory (Y) shall be at least 7, but no more than 35.

1		2		3		4	
X	Y	X	Y	X	Y	X	Y
0.23	0.754	0.266	0.500	0.367	0.500	0.44	0.555

B. The nighttime chromaticity coordinates for the color used for green colored pavement shall be as follows:

1		2		3		4	
X	Y	X	Y	X	Y	X	Y
0.230	0.754	0.336	0.540	0.450	0.500	0.479	0.520

### 3.7. Manufacturing Control and ISO Certification

Contractor's manufacturer must be ISO 9001:2000 certified and provide proof of current certification. The scope of certification shall include manufacture of preformed thermoplastic pavement marking material.

### 3.8. Bond Strength

The preformed marking materials must have superior bonding strength of at least 300 psi on Portland cement concrete when tested according to ASTM D 4796 (<https://www.astm.org/d4796-17.html>), except that a 2-inch by 2-inch specimen shall be placed on a preheated brick (15-minutes at 425°F) and then placed in a 425°F oven for 15-minutes.



### 3.9. Symbols and Legends

Unless noted otherwise, all symbols and legends shall be designed for single lane applications. The symbol and legend dimensions indicated on the following item list are nominal and may vary within a reasonable number. A tolerance in the range of between +1 – 2” to 4” would account for most inconsistencies within the standards. The length dimensions (height of the legend or symbol) shall be regarded as the most important dimension. The stroke width, radius, widths, and spacing/font/style, as applicable, need to comply with the current adopted federal, state, and local standards (MUTCD and/or Arizona Supplement of the MUTCD) (<https://azdot.gov/sites/default/files/2019/07/arizona-supplement-to-the-manual-on-uniform-traffic-control-devices-2009-mutcd-edition.pdf>).

### 3.10. MSDS

Bidders must submit Safety Data Sheets for all materials with their bid Submittals, for review by the City's Safety Analyst, or his or her designee.

### 3.11. Items List

#### Standard Requirement

Item No.	Preformed Thermoplastic Description
1	Standard Right Turn Arrow Symbol, 8' Long x 6'5" Wide
2	Standard Left Turn Arrow Symbol, 8' Long x 6'5" Wide
3	Large Yield Solid Triangle (Shark Teeth) Symbol or Line, 3' Long x 1' Wide
4	Standard "SCHOOL" Word Legend (Single Lane), 8' High Capital Letters
5	Standard Raised Pavement Marker Adhesive Pad 5"x 5", Black or Grey
6	Larged Raised Pavement Marker Adhesive Pad, 8"x 8", Black or Grey, 125 Mils Thick
7	Straight Arrow Symbol for Bike Lanes, 6'0" Long
8	Bike Rider Symbol for Bike Lanes, Facing Right, 6' Long x 40" Wide
9	Shared Lane Marking 112" x 40" Per 2009 MUTCD Page 815 Figure 9C-9 ( <a href="https://mutcd.fhwa.dot.gov/htm/2009/part9/fig9c_09_longdesc.htm">https://mutcd.fhwa.dot.gov/htm/2009/part9/fig9c_09_longdesc.htm</a> )
10	Bike Detector Loop Symbol per 2009 MUTCD Page 814 Figure 9C-7 ( <a href="https://mutcd.fhwa.dot.gov/htm/2009/part9/fig9c_07_longdesc.htm">https://mutcd.fhwa.dot.gov/htm/2009/part9/fig9c_07_longdesc.htm</a> )
11	Two Part A/B Primer, Self Contained, Self Mixing Application Dispenser
12	Dispensing Gun for Epoxy 300/600
13	All other Preformed Thermoplastic Symbols and Legends

**Color Requirements, Flat Pre-Cut Line Segments, Reflective and Non-Reflective**

Item No.	Preformed Thermoplastic Description
<b>WHITE</b>	
14	4" Wide x 3' Long - 30 pieces/pack - Reflective
15	4" Wide x 3' Long - 30 pieces/pack - Non-Reflective
16	6" Wide x 3' Long - 20 pieces/pack - Reflective
17	6" Wide x 3' Long - 20 pieces/pack - Non-Reflective
18	10" Wide x 3' Long - 10 pieces/pack - Reflective
19	10" Wide x 3' Long - 10 pieces/pack - Non-Reflective
20	20" Wide x 3' Long - 5 pieces/pack - Reflective
21	20" Wide x 3' Long - 5 pieces/pack - Non-Reflective
22	24" Wide x 3' Long - 5 pieces/pack - Reflective
23	24" Wide x 3' Long - 5 pieces/pack - Non-Reflective

Item No.	Preformed Thermoplastic Description
<b>YELLOW</b>	
24	4" Wide x 3' Long - 30 pieces/pack - Reflective
25	4" Wide x 3' Long - 30 pieces/pack - Non-Reflective
26	6" Wide x 3' Long - 20 pieces/pack - Reflective
27	6" Wide x 3' Long - 20 pieces/pack - Non-Reflective
28	10" Wide x 3' Long - 10 pieces/pack - Reflective
29	10" Wide x 3' Long - 10 pieces/pack - Non-Reflective
30	20" Wide x 3' Long - 5 pieces/pack - Reflective
31	20" Wide x 3' Long - 5 pieces/pack - Non-Reflective
32	24" Wide x 3' Long - 5 pieces/pack - Reflective
33	24" Wide x 3' Long - 5 pieces/pack - Non-Reflective

Item No.	Preformed Thermoplastic Description
<b>RED</b>	
34	4" Wide x 3' Long - 30 pieces/pack - Reflective
35	4" Wide x 3' Long - 30 pieces/pack - Non-Reflective
36	6" Wide x 3' Long - 20 pieces/pack - Reflective
37	6" Wide x 3' Long - 20 pieces/pack - Non-Reflective
38	10" Wide x 3' Long - 10 pieces/pack - Reflective
39	10" Wide x 3' Long - 10 pieces/pack - Non-Reflective
40	20" Wide x 3' Long - 5 pieces/pack - Reflective
41	20" Wide x 3' Long - 5 pieces/pack - Non-Reflective
42	24" Wide x 3' Long - 5 pieces/pack - Reflective
43	24" Wide x 3' Long - 5 pieces/pack - Non-Reflective

Item No.	Preformed Thermoplastic Description
<b>DARK PURPLE</b>	
44	4" Wide x 3' Long - 30 pieces/pack - Reflective
45	4" Wide x 3' Long - 30 pieces/pack - Non-Reflective
46	6" Wide x 3' Long - 20 pieces/pack - Reflective
47	6" Wide x 3' Long - 20 pieces/pack - Non-Reflective
48	10" Wide x 3' Long - 10 pieces/pack - Reflective
49	10" Wide x 3' Long - 10 pieces/pack - Non-Reflective
50	20" Wide x 3' Long - 5 pieces/pack - Reflective
51	20" Wide x 3' Long - 5 pieces/pack - Non-Reflective
52	24" Wide x 3' Long - 5 pieces/pack - Reflective
53	24" Wide x 3' Long - 5 pieces/pack - Non-Reflective

Item No.	Preformed Thermoplastic Description
<b>MEDIUM PURPLE</b>	
54	4" Wide x 3' Long - 30 pieces/pack - Reflective
55	4" Wide x 3' Long - 30 pieces/pack - Non-Reflective
56	6" Wide x 3' Long - 20 pieces/pack - Reflective
57	6" Wide x 3' Long - 20 pieces/pack - Non-Reflective
58	10" Wide x 3' Long - 10 pieces/pack - Reflective
59	10" Wide x 3' Long - 10 pieces/pack - Non-Reflective
60	20" Wide x 3' Long - 5 pieces/pack - Reflective
61	20" Wide x 3' Long - 5 pieces/pack - Non-Reflective
62	24" Wide x 3' Long - 5 pieces/pack - Reflective
63	24" Wide x 3' Long - 5 pieces/pack - Non-Reflective

Item No.	Preformed Thermoplastic Description
<b>LIGHT PURPLE</b>	
64	4" Wide x 3' Long - 30 pieces/pack - Reflective
65	4" Wide x 3' Long - 30 pieces/pack - Non-Reflective
66	6" Wide x 3' Long - 20 pieces/pack - Reflective
67	6" Wide x 3' Long - 20 pieces/pack - Non-Reflective
68	10" Wide x 3' Long - 10 pieces/pack - Reflective
69	10" Wide x 3' Long - 10 pieces/pack - Non-Reflective
70	20" Wide x 3' Long - 5 pieces/pack - Reflective
71	20" Wide x 3' Long - 5 pieces/pack - Non-Reflective
72	24" Wide x 3' Long - 5 pieces/pack - Reflective
73	24" Wide x 3' Long - 5 pieces/pack - Non-Reflective

Item No.	Preformed Thermoplastic Description
<b>ORANGE</b>	
74	4" Wide x 3' Long - 30 pieces/pack - Reflective
75	4" Wide x 3' Long - 30 pieces/pack - Non-Reflective
76	6" Wide x 3' Long - 20 pieces/pack - Reflective
77	6" Wide x 3' Long - 20 pieces/pack - Non-Reflective
78	10" Wide x 3' Long - 10 pieces/pack - Reflective
79	10" Wide x 3' Long - 10 pieces/pack - Non-Reflective
80	20" Wide x 3' Long - 5 pieces/pack - Reflective
81	20" Wide x 3' Long - 5 pieces/pack - Non-Reflective
82	24" Wide x 3' Long - 5 pieces/pack - Reflective
83	24" Wide x 3' Long - 5 pieces/pack - Non-Reflective

Item No.	Preformed Thermoplastic Description
<b>BIKE LANE GREEN</b>	
84	4" Wide x 3' Long - 30 pieces/pack - Reflective
85	4" Wide x 3' Long - 30 pieces/pack - Non-Reflective
86	6" Wide x 3' Long - 20 pieces/pack - Reflective
87	6" Wide x 3' Long - 20 pieces/pack - Non-Reflective
88	10" Wide x 3' Long - 10 pieces/pack - Reflective
89	10" Wide x 3' Long - 10 pieces/pack - Non-Reflective
90	20" Wide x 3' Long - 5 pieces/pack - Reflective
91	20" Wide x 3' Long - 5 pieces/pack - Non-Reflective
92	24" Wide x 3' Long - 5 pieces/pack - Reflective
93	24" Wide x 3' Long - 5 pieces/pack - Non-Reflective

Item No.	Preformed Thermoplastic Description
<b>DARK GREEN</b>	
94	4" Wide x 3' Long - 30 pieces/pack - Reflective
95	4" Wide x 3' Long - 30 pieces/pack - Non-Reflective
96	6" Wide x 3' Long - 20 pieces/pack - Reflective
97	6" Wide x 3' Long - 20 pieces/pack - Non-Reflective
98	10" Wide x 3' Long - 10 pieces/pack - Reflective
99	10" Wide x 3' Long - 10 pieces/pack - Non-Reflective
100	20" Wide x 3' Long - 5 pieces/pack - Reflective
101	20" Wide x 3' Long - 5 pieces/pack - Non-Reflective
102	24" Wide x 3' Long - 5 pieces/pack - Reflective
103	24" Wide x 3' Long - 5 pieces/pack - Non-Reflective

Item No.	Preformed Thermoplastic Description
<b>OLIVE GREEN</b>	
104	4" Wide x 3' Long - 30 pieces/pack - Reflective
105	4" Wide x 3' Long - 30 pieces/pack - Non-Reflective
106	6" Wide x 3' Long - 20 pieces/pack - Reflective
107	6" Wide x 3' Long - 20 pieces/pack - Non-Reflective
108	10" Wide x 3' Long - 10 pieces/pack - Reflective
109	10" Wide x 3' Long - 10 pieces/pack - Non-Reflective
110	20" Wide x 3' Long - 5 pieces/pack - Reflective
111	20" Wide x 3' Long - 5 pieces/pack - Non-Reflective
112	24" Wide x 3' Long - 5 pieces/pack - Reflective
113	24" Wide x 3' Long - 5 pieces/pack - Non-Reflective

Item No.	Preformed Thermoplastic Description
<b>LIGHT GREEN</b>	
114	4" Wide x 3' Long - 30 pieces/pack - Reflective
115	4" Wide x 3' Long - 30 pieces/pack - Non-Reflective
116	6" Wide x 3' Long - 20 pieces/pack - Reflective
117	6" Wide x 3' Long - 20 pieces/pack - Non-Reflective
118	10" Wide x 3' Long - 10 pieces/pack - Reflective
119	10" Wide x 3' Long - 10 pieces/pack - Non-Reflective
120	20" Wide x 3' Long - 5 pieces/pack - Reflective
121	20" Wide x 3' Long - 5 pieces/pack - Non-Reflective
122	24" Wide x 3' Long - 5 pieces/pack - Reflective
123	24" Wide x 3' Long - 5 pieces/pack - Non-Reflective

Item No.	Preformed Thermoplastic Description
<b>KELLY GREEN</b>	
124	4" Wide x 3' Long - 30 pieces/pack - Reflective
125	4" Wide x 3' Long - 30 pieces/pack - Non-Reflective
126	6" Wide x 3' Long - 20 pieces/pack - Reflective
127	6" Wide x 3' Long - 20 pieces/pack - Non-Reflective
128	10" Wide x 3' Long - 10 pieces/pack - Reflective
129	10" Wide x 3' Long - 10 pieces/pack - Non-Reflective
130	20" Wide x 3' Long - 5 pieces/pack - Reflective
131	20" Wide x 3' Long - 5 pieces/pack - Non-Reflective
132	24" Wide x 3' Long - 5 pieces/pack - Reflective
133	24" Wide x 3' Long - 5 pieces/pack - Non-Reflective

Item No.	Preformed Thermoplastic Description
<b>DARK BLUE</b>	
134	4" Wide x 3' Long - 30 pieces/pack - Reflective
135	4" Wide x 3' Long - 30 pieces/pack - Non-Reflective
136	6" Wide x 3' Long - 20 pieces/pack - Reflective
137	6" Wide x 3' Long - 20 pieces/pack - Non-Reflective
138	10" Wide x 3' Long - 10 pieces/pack - Reflective
139	10" Wide x 3' Long - 10 pieces/pack - Non-Reflective
140	20" Wide x 3' Long - 5 pieces/pack - Reflective
141	20" Wide x 3' Long - 5 pieces/pack - Non-Reflective
142	24" Wide x 3' Long - 5 pieces/pack - Reflective
143	24" Wide x 3' Long - 5 pieces/pack - Non-Reflective

Item No.	Preformed Thermoplastic Description
<b>MEDIUM BLUE</b>	
144	4" Wide x 3' Long - 30 pieces/pack - Reflective
145	4" Wide x 3' Long - 30 pieces/pack - Non-Reflective
146	6" Wide x 3' Long - 20 pieces/pack - Reflective
147	6" Wide x 3' Long - 20 pieces/pack - Non-Reflective
148	10" Wide x 3' Long - 10 pieces/pack - Reflective
149	10" Wide x 3' Long - 10 pieces/pack - Non-Reflective
150	20" Wide x 3' Long - 5 pieces/pack - Reflective
151	20" Wide x 3' Long - 5 pieces/pack - Non-Reflective
152	24" Wide x 3' Long - 5 pieces/pack - Reflective
153	24" Wide x 3' Long - 5 pieces/pack - Non-Reflective

Item No.	Preformed Thermoplastic Description
<b>LIGHT BLUE</b>	
154	4" Wide x 3' Long - 30 pieces/pack - Reflective
155	4" Wide x 3' Long - 30 pieces/pack - Non-Reflective
156	6" Wide x 3' Long - 20 pieces/pack - Reflective
157	6" Wide x 3' Long - 20 pieces/pack - Non-Reflective
158	10" Wide x 3' Long - 10 pieces/pack - Reflective
159	10" Wide x 3' Long - 10 pieces/pack - Non-Reflective
160	20" Wide x 3' Long - 5 pieces/pack - Reflective
161	20" Wide x 3' Long - 5 pieces/pack - Non-Reflective
162	24" Wide x 3' Long - 5 pieces/pack - Reflective
163	24" Wide x 3' Long - 5 pieces/pack - Non-Reflective

Item No.	Preformed Thermoplastic Description
<b>DARK GREY</b>	
164	4" Wide x 3' Long - 30 pieces/pack - Reflective
165	4" Wide x 3' Long - 30 pieces/pack - Non-Reflective
166	6" Wide x 3' Long - 20 pieces/pack - Reflective
167	6" Wide x 3' Long - 20 pieces/pack - Non-Reflective
168	10" Wide x 3' Long - 10 pieces/pack - Reflective
169	10" Wide x 3' Long - 10 pieces/pack - Non-Reflective
170	20" Wide x 3' Long - 5 pieces/pack - Reflective
171	20" Wide x 3' Long - 5 pieces/pack - Non-Reflective
172	24" Wide x 3' Long - 5 pieces/pack - Reflective
173	24" Wide x 3' Long - 5 pieces/pack - Non-Reflective

Item No.	Preformed Thermoplastic Description
<b>MEDIUM GREY</b>	
174	4" Wide x 3' Long - 30 pieces/pack - Reflective
175	4" Wide x 3' Long - 30 pieces/pack - Non-Reflective
176	6" Wide x 3' Long - 20 pieces/pack - Reflective
177	6" Wide x 3' Long - 20 pieces/pack - Non-Reflective
178	10" Wide x 3' Long - 10 pieces/pack - Reflective
179	10" Wide x 3' Long - 10 pieces/pack - Non-Reflective
180	20" Wide x 3' Long - 5 pieces/pack - Reflective
181	20" Wide x 3' Long - 5 pieces/pack - Non-Reflective
182	24" Wide x 3' Long - 5 pieces/pack - Reflective
183	24" Wide x 3' Long - 5 pieces/pack - Non-Reflective

Item No.	Preformed Thermoplastic Description
<b>LIGHT GREY</b>	
184	4" Wide x 3' Long - 30 pieces/pack - Reflective
185	4" Wide x 3' Long - 30 pieces/pack - Non-Reflective
186	6" Wide x 3' Long - 20 pieces/pack - Reflective
187	6" Wide x 3' Long - 20 pieces/pack - Non-Reflective
188	10" Wide x 3' Long - 10 pieces/pack - Reflective
189	10" Wide x 3' Long - 10 pieces/pack - Non-Reflective
190	20" Wide x 3' Long - 5 pieces/pack - Reflective
191	20" Wide x 3' Long - 5 pieces/pack - Non-Reflective
192	24" Wide x 3' Long - 5 pieces/pack - Reflective
193	24" Wide x 3' Long - 5 pieces/pack - Non-Reflective

Item No.	Preformed Thermoplastic Description
<b>BLACK</b>	
194	4" Wide x 3' Long - 30 pieces/pack - Reflective
195	4" Wide x 3' Long - 30 pieces/pack - Non-Reflective
196	6" Wide x 3' Long - 20 pieces/pack - Reflective
197	6" Wide x 3' Long - 20 pieces/pack - Non-Reflective
198	10" Wide x 3' Long - 10 pieces/pack - Reflective
199	10" Wide x 3' Long - 10 pieces/pack - Non-Reflective
200	20" Wide x 3' Long - 5 pieces/pack - Reflective
201	20" Wide x 3' Long - 5 pieces/pack - Non-Reflective
202	24" Wide x 3' Long - 5 pieces/pack - Reflective
203	24" Wide x 3' Long - 5 pieces/pack - Non-Reflective

Item No.	Preformed Thermoplastic Description
<b>TEAL</b>	
204	4" Wide x 3' Long - 30 pieces/pack - Reflective
205	4" Wide x 3' Long - 30 pieces/pack - Non-Reflective
206	6" Wide x 3' Long - 20 pieces/pack - Reflective
207	6" Wide x 3' Long - 20 pieces/pack - Non-Reflective
208	10" Wide x 3' Long - 10 pieces/pack - Reflective
209	10" Wide x 3' Long - 10 pieces/pack - Non-Reflective
210	20" Wide x 3' Long - 5 pieces/pack - Reflective
211	20" Wide x 3' Long - 5 pieces/pack - Non-Reflective
212	24" Wide x 3' Long - 5 pieces/pack - Reflective
213	24" Wide x 3' Long - 5 pieces/pack - Non-Reflective

Item No.	Preformed Thermoplastic Description
<b>PINK</b>	
214	4" Wide x 3' Long - 30 pieces/pack - Reflective
215	4" Wide x 3' Long - 30 pieces/pack - Non-Reflective
216	6" Wide x 3' Long - 20 pieces/pack - Reflective
217	6" Wide x 3' Long - 20 pieces/pack - Non-Reflective
218	10" Wide x 3' Long - 10 pieces/pack - Reflective
219	10" Wide x 3' Long - 10 pieces/pack - Non-Reflective
220	20" Wide x 3' Long - 5 pieces/pack - Reflective
221	20" Wide x 3' Long - 5 pieces/pack - Non-Reflective
222	24" Wide x 3' Long - 5 pieces/pack - Reflective
223	24" Wide x 3' Long - 5 pieces/pack - Non-Reflective



Item No.	Preformed Thermoplastic Description
<b>DARK BROWN</b>	
224	4" Wide x 3' Long - 30 pieces/pack - Reflective
225	4" Wide x 3' Long - 30 pieces/pack - Non-Reflective
226	6" Wide x 3' Long - 20 pieces/pack - Reflective
227	6" Wide x 3' Long - 20 pieces/pack - Non-Reflective
228	10" Wide x 3' Long - 10 pieces/pack - Reflective
229	10" Wide x 3' Long - 10 pieces/pack - Non-Reflective
230	20" Wide x 3' Long - 5 pieces/pack - Reflective
231	20" Wide x 3' Long - 5 pieces/pack - Non-Reflective
232	24" Wide x 3' Long - 5 pieces/pack - Reflective
233	24" Wide x 3' Long - 5 pieces/pack - Non-Reflective

Item No.	Preformed Thermoplastic Description
<b>MEDIUM BROWN</b>	
234	4" Wide x 3' Long - 30 pieces/pack - Reflective
235	4" Wide x 3' Long - 30 pieces/pack - Non-Reflective
236	6" Wide x 3' Long - 20 pieces/pack - Reflective
237	6" Wide x 3' Long - 20 pieces/pack - Non-Reflective
238	10" Wide x 3' Long - 10 pieces/pack - Reflective
239	10" Wide x 3' Long - 10 pieces/pack - Non-Reflective
240	20" Wide x 3' Long - 5 pieces/pack - Reflective
241	20" Wide x 3' Long - 5 pieces/pack - Non-Reflective
242	24" Wide x 3' Long - 5 pieces/pack - Reflective
243	24" Wide x 3' Long - 5 pieces/pack - Non-Reflective

Item No.	Preformed Thermoplastic Description
<b>LIGHT BROWN</b>	
244	4" Wide x 3' Long - 30 pieces/pack - Reflective
245	4" Wide x 3' Long - 30 pieces/pack - Non-Reflective
246	6" Wide x 3' Long - 20 pieces/pack - Reflective
247	6" Wide x 3' Long - 20 pieces/pack - Non-Reflective
248	10" Wide x 3' Long - 10 pieces/pack - Reflective
249	10" Wide x 3' Long - 10 pieces/pack - Non-Reflective
250	20" Wide x 3' Long - 5 pieces/pack - Reflective
251	20" Wide x 3' Long - 5 pieces/pack - Non-Reflective
252	24" Wide x 3' Long - 5 pieces/pack - Reflective
253	24" Wide x 3' Long - 5 pieces/pack - Non-Reflective

Item No.	Preformed Thermoplastic Description
<b>TAN</b>	
254	4" Wide x 3' Long - 30 pieces/pack - Reflective
255	4" Wide x 3' Long - 30 pieces/pack - Non-Reflective
256	6" Wide x 3' Long - 20 pieces/pack - Reflective
257	6" Wide x 3' Long - 20 pieces/pack - Non-Reflective
258	10" Wide x 3' Long - 10 pieces/pack - Reflective
259	10" Wide x 3' Long - 10 pieces/pack - Non-Reflective
260	20" Wide x 3' Long - 5 pieces/pack - Reflective
261	20" Wide x 3' Long - 5 pieces/pack - Non-Reflective
262	24" Wide x 3' Long - 5 pieces/pack - Reflective
263	24" Wide x 3' Long - 5 pieces/pack - Non-Reflective

Item No.	Preformed Thermoplastic Description
<b>DARK BRICK</b>	
264	4" Wide x 3' Long - 30 pieces/pack - Reflective
265	4" Wide x 3' Long - 30 pieces/pack - Non-Reflective
266	6" Wide x 3' Long - 20 pieces/pack - Reflective
267	6" Wide x 3' Long - 20 pieces/pack - Non-Reflective
268	10" Wide x 3' Long - 10 pieces/pack - Reflective
269	10" Wide x 3' Long - 10 pieces/pack - Non-Reflective
270	20" Wide x 3' Long - 5 pieces/pack - Reflective
271	20" Wide x 3' Long - 5 pieces/pack - Non-Reflective
272	24" Wide x 3' Long - 5 pieces/pack - Reflective
273	24" Wide x 3' Long - 5 pieces/pack - Non-Reflective

Item No.	Preformed Thermoplastic Description
<b>MEDIUM BRICK</b>	
274	4" Wide x 3' Long - 30 pieces/pack - Reflective
275	4" Wide x 3' Long - 30 pieces/pack - Non-Reflective
276	6" Wide x 3' Long - 20 pieces/pack - Reflective
277	6" Wide x 3' Long - 20 pieces/pack - Non-Reflective
278	10" Wide x 3' Long - 10 pieces/pack - Reflective
279	10" Wide x 3' Long - 10 pieces/pack - Non-Reflective
280	20" Wide x 3' Long - 5 pieces/pack - Reflective
281	20" Wide x 3' Long - 5 pieces/pack - Non-Reflective
282	24" Wide x 3' Long - 5 pieces/pack - Reflective
283	24" Wide x 3' Long - 5 pieces/pack - Non-Reflective

Item No.	Preformed Thermoplastic Description
<b>LIGHT BRICK</b>	
284	4" Wide x 3' Long - 30 pieces/pack - Reflective
285	4" Wide x 3' Long - 30 pieces/pack - Non-Reflective
286	6" Wide x 3' Long - 20 pieces/pack - Reflective
287	6" Wide x 3' Long - 20 pieces/pack - Non-Reflective
288	10" Wide x 3' Long - 10 pieces/pack - Reflective
289	10" Wide x 3' Long - 10 pieces/pack - Non-Reflective
290	20" Wide x 3' Long - 5 pieces/pack - Reflective
291	20" Wide x 3' Long - 5 pieces/pack - Non-Reflective
292	24" Wide x 3' Long - 5 pieces/pack - Reflective
293	24" Wide x 3' Long - 5 pieces/pack - Non-Reflective

Item No.	Preformed Thermoplastic Description
<b>LEMON YELLOW</b>	
294	4" Wide x 3' Long - 30 pieces/pack - Reflective
295	4" Wide x 3' Long - 30 pieces/pack - Non-Reflective
296	6" Wide x 3' Long - 20 pieces/pack - Reflective
297	6" Wide x 3' Long - 20 pieces/pack - Non-Reflective
298	10" Wide x 3' Long - 10 pieces/pack - Reflective
299	10" Wide x 3' Long - 10 pieces/pack - Non-Reflective
300	20" Wide x 3' Long - 5 pieces/pack - Reflective
301	20" Wide x 3' Long - 5 pieces/pack - Non-Reflective
302	24" Wide x 3' Long - 5 pieces/pack - Reflective
303	24" Wide x 3' Long - 5 pieces/pack - Non-Reflective

Item No.	Preformed Thermoplastic Description
<b>Miscellaneous</b>	
304	All other Colors, Flat Pre-Cut Line Segments, Reflective
305	All other Colors, Flat Pre-Cut Line Segments, Non-Reflective

## 4. Standard Terms and Conditions

### 4.1. Definition of Key Words Used in the Solicitation

**Shall, Will, Must:** Indicates a mandatory requirement. Failure to meet these mandatory requirements may result in the rejection of Offer as non-responsive.

**Should:** Indicates something that is recommended but not mandatory. If the Offeror fails to provide recommended information, the City may, at its sole option, ask the Offeror to provide the information or evaluate the Offer without the information.

**May:** Indicates something that is not mandatory but permissible.

For purposes of this solicitation, the following definitions will apply:

"A.R.S." Arizona Revised Statute

"Buyer" or "Procurement Officer" City of Phoenix staff person responsible for the solicitation. The City employee or employees who have specifically been designated to act as a contact person or persons to the Contractor, and responsible for monitoring and overseeing the Contractor's performance under this contract.

"City" The City of Phoenix

"Contractor" The individual, partnership, or corporation who, as a result of the competitive process, is awarded a contract by the City of Phoenix.

"Contract" or "Agreement" The legal agreement executed between the City of Phoenix, AZ and the Contractor.

"Days" Means calendar days unless otherwise specified.

"Chief Procurement Officer" The contracting authority for the City of Phoenix, AZ, authorized to sign contracts and amendments thereto on behalf of the City of Phoenix, AZ.

"Employer" Any individual or type of organization that transacts business in this state, that has a license issued by an agency in this state and employs one or more employees in this state. Employer includes this state, any political subdivision of this state and self-employed persons. In the case of an independent contractor, employer means the independent contractor and does not mean the person or organization that uses contract labor. (A.R.S. 23-211).

"Offer" Means a response from a Supplier, Contractor, or Service Provider to a solicitation request that, if awarded, binds the Supplier, Contractor, or Service Provider to perform in accordance with the contract. Same as bid, proposal, quotation or tender.

"Offeror" Any Vendor, Seller or Supplier submitting a competitive offer in response to a solicitation from the City. Same as Bidder or Proposer.

"Solicitation" Means an Invitation for Bid (IFB), Request for Proposal (RFP), Request for Quotations (RFQ), Request for Qualifications (RFQu) and request for sealed Offers, or any other type of formal procurement which the City makes public through advertising, mailings, or some other method of communication. It is the process by which the City seeks information, proposals, Offers, or quotes from suppliers.

“Suppliers” Firms, entities or individuals furnishing goods or services to the City.

“Vendor or Seller” A seller of goods or services.

## 4.2. Contract Interpretation

- A. **Applicable Law:** This Contract will be governed by the law of the State of Arizona, and suits pertaining to this Contract will be brought only in Federal or State courts in Maricopa County, State of Arizona.
- B. **Contract Order of Precedence:** In the event of a conflict in the provisions of the Contract, as accepted by the City and as they may be amended, the following will prevail in the order set forth below:
1. Federal terms and conditions, if any
  2. Special terms and conditions
  3. Standard terms and conditions
  4. Amendments
  5. Statement or scope of work
  6. Specifications
  7. Attachments
  8. Exhibits
  9. Instructions to Contractors
  10. Other documents referenced or included in the Solicitation
- C. **Organization – Employment Disclaimer:** The Agreement resulting hereunder is not intended to constitute, create, give rise to or otherwise recognize a joint venture agreement or relationship, partnership or formal business organization of any kind, and the rights and obligations of the parties will be only those expressly set forth in the agreement. The parties agree that no persons supplied by the Contractor in the performance of Contractor’s obligations under the agreement are considered to be City’s employees and that no rights of City civil service, retirement or personnel rules accrue to such persons. The Contractor will have total responsibility for all salaries, wage bonuses, retirement, withholdings, workmen’s compensation, occupational disease compensation, unemployment compensation, other employee benefits and all taxes and premiums appurtenant thereto concerning such persons, and will save and hold the City harmless with respect thereto.
- D. **Severability:** The provisions of this Contract are severable to the extent that any provision or application held to be invalid will not affect any other provision or application of the contract which may remain in effect without the invalid provision or application.

- E. **Non-Waiver of Liability:** The City of Phoenix as a public entity supported by tax monies, in execution of its public trust, cannot agree to waive any lawful or legitimate right to recover monies lawfully due it. Therefore, any Contractor agrees that it will not insist upon or demand any statement whereby the City agrees to limit in advance or waive any right the City might have to recover actual lawful damages in any court of law under applicable Arizona law.
- F. **Parol Evidence:** This Agreement is intended by the parties as a final expression of their agreement and is intended also as a complete and exclusive statement of the terms of this agreement. No course of prior dealings between the parties and no usage in the trade will be relevant to supplement or explain any term used in this Contract. Acceptance or acquiescence in a course of performance rendered under this contract will not be relevant to determine the meaning of this Contract even though the accepting or acquiescing party has knowledge of the nature of the performance and opportunity to object.

#### 4.3. Contract Administration and Operation

- A. **Records:** All books, accounts, reports, files and other records relating to the contract will be subject at all reasonable times to inspection and audit by the City for five years after completion of the contract. Such records will be produced at a City of Phoenix office as designated by the City. Confidentiality will be maintained, and City will not violate any proprietary or other confidentiality agreements Contractor has in place.
- B. **Discrimination Prohibited:** Contractor agrees to abide by the provisions of the Phoenix City Code Chapter 18, Article V as amended. Any Contractor, in performing under this contract, will not discriminate against any worker, employee or applicant, or any member of the public, because of race, color, religion, sex, national origin, age or disability nor otherwise commit an unfair employment practice. The supplier and/or lessee will take action to ensure that applicants are employed, and employees are dealt with during employment without regard to their race, color, religion, sex, or national origin, age or disability and adhere to a policy to pay equal compensation to men and women who perform jobs that require substantially equal skill, effort and responsibility, and that are performed within the same establishment under similar working conditions. Such action will include but not be limited to the following: Employment, promotion, demotion or transfer, recruitment or recruitment advertising, layoff or termination; rates of pay or other forms of compensation; and selection for training; including apprenticeship. The supplier further agrees that this clause will be incorporated in all subcontracts with all labor organizations furnishing skilled, unskilled and union labor, or who may perform any such labor or services in connection with this contract. Contractor further agrees that this clause will be incorporated in all subcontracts, job-contractor agreements or subleases of this agreement entered into by supplier/lessee.

- C. **Equal Employment Opportunity and Pay:** In order to do business with the City, Contractor must comply with Phoenix City Code, 1969, Chapter 18, Article V, as amended, Equal Employment Opportunity Requirements. Contractor will direct any questions in regard to these requirements to the Equal Opportunity Department, (602) 262-6790.
1. **For a Contractor with 35 employees or fewer:** Contractor in performing under this Agreement shall not discriminate against any worker, employee or applicant, or any member of the public, because of race, color, religion, sex, national origin, age, or disability, nor otherwise commit an unfair employment practice. The Contractor will ensure that applicants are employed, and employees are dealt with during employment without regard to their race, color, religion, sex, national origin, age, or disability. Such action shall include but not be limited to the following: employment, promotion, demotion or transfer, recruitment or recruitment advertising, layoff or termination; rates of pay or other forms of compensation; and selection for training; including apprenticeship. The Contractor further agrees that this clause will be incorporated in all subcontracts related to this Agreement that involve furnishing skilled, unskilled and union labor, or who may perform any such labor or services in connection with this Agreement. Contractor further agrees that this clause will be incorporated in all subcontracts, Contractor agreements or subleases of this agreement entered into by supplier/lessee.
  2. **For a Contractor with more than 35 employees:** Contractor in performing under this Agreement shall not discriminate against any worker, employee or applicant, or any member of the public, because of race, color, religion, sex, national origin, age, or disability, nor otherwise commit an unfair employment practice. The Contractor will ensure that applicants are employed, and employees are dealt with during employment without regard to their race, color, religion, sex, national origin, age, or disability, and shall adhere to a policy to pay equal compensation to men and women who perform jobs that require substantially equal skill, effort, and responsibility, and that are performed within the same establishment under similar working conditions. Such action shall include but not be limited to the following: employment, promotion, demotion or transfer, recruitment or recruitment advertising, layoff or termination; rates of pay or other forms of compensation; and selection for training; including apprenticeship. The Contractor further agrees that this clause will be incorporated in all subcontracts with all labor organizations furnishing skilled, unskilled and union labor, or who may perform any such labor or services in connection with this contract. Contractor further agrees that this clause will be incorporated in all subcontracts, job-Contractor agreements or subleases of this Agreement entered into by supplier/lessee. The Contractor further agrees not to discriminate against any worker, employee or applicant, or any member of the public, because of sexual orientation or gender identity or expression and shall ensure that applicants are employed, and employees are dealt with during employment without regard to their sexual orientation or gender identity or expression.

3. **Documentation:** Suppliers and lessees may be required to provide additional documentation to the Equal Opportunity Department affirming that a nondiscriminatory policy is being utilized.
  4. **Monitoring:** The Equal Opportunity Department shall monitor the employment policies and practices of suppliers and lessees subject to this article as deemed necessary. The Equal Opportunity Department is authorized to conduct on-site compliance reviews of selected firms, which may include an audit of personnel and payroll records, if necessary.
- D. **Legal Worker Requirements:** The City of Phoenix is prohibited by A.R.S. § 41-4401 from awarding a contract to any Contractor who fails, or whose subcontractors fail, to comply with A.R.S. § 23-214(A). Therefore, Contractor agrees that:
1. Contractor and each subcontractor it uses warrants their compliance with all federal immigration laws and regulations that relate to their employees and their compliance with A.R.S. § 23-214, subsection A.
  2. A breach of a warranty under paragraph 1 will be deemed a material breach of the contract that is subject to penalties up to and including termination of the contract.
  3. The City of Phoenix retains the legal right to inspect the papers of any Contractor or subcontractor employee who works on the contract to ensure that the Contractor or subcontractor is complying with the warranty under paragraph 1.
- E. **Health, Environmental, and Safety Requirements:** The Contractor's products, services and facilities will be in full compliance with all applicable Federal, State and local health, environmental and safety laws, regulations, standards, codes and ordinances, regardless of whether or not they are referred to by the City. At the request of City representatives, the Contractor will provide the City:
1. Environmental, safety and health regulatory compliance documents (written safety programs, training records, permits, etc.) applicable to services provided by the Contractor in this contract.
  2. A list of all federal, state, or local (EPA, OSHA, Maricopa County, etc.) citations or notice of violations issued against their firm or their subcontractors including dates, reasons, dispositions and resolutions.
  3. The City will have the right, but not the obligation to inspect the facilities, transportation vehicles or vessels, containers and disposal facilities provided by the Contractor or subcontractor. The City will also have the right to inspect operations conducted by the Contractor or subcontractor in the performance of this agreement. The City further reserves the right to make unannounced inspections of the Contractor's facilities (during normal business hours).



- F. **Compliance with Laws:** Contractor agrees to fully observe and comply with all applicable Federal, State and local laws, regulations, standards, codes and ordinances when performing under this Contract regardless of whether they are being referred to by the City. Contractor agrees to permit City inspection of Contractor's business records, including personnel records to verify any such compliance. Because the contractor will be acting as an independent contractor, the City assumes no responsibility for the Contractor's acts.
- G. **Lawful Presence Requirement:** Pursuant to A.R.S. §§ 1-501 and -502, the City of Phoenix is prohibited from awarding a contract to any natural person who cannot establish that he or she is lawfully present in the United States. In order to establish lawful presence, this person must produce qualifying identification and sign a City-provided affidavit affirming that the identification provided is genuine. This requirement will be imposed at the time of contract award. In the event the prevailing responder is unable to satisfy this requirement, the City will offer the award to the next-highest scoring responder. The law does not apply to fictitious entities such as corporations, partnerships and limited liability companies.
- H. **Continuation During Disputes:** Contractor agrees that notwithstanding the existence of any dispute between the parties, insofar as is possible, under the terms of the contract, the Contractor will continue to perform the obligations required of Contractor during the continuation of any such dispute unless enjoined or prohibited by an Arizona Court of competent jurisdiction.
- I. **Emergency Purchases:** The City reserves the right to purchase from other sources those items which are required on an emergency basis and cannot be supplied immediately from stock by the Contractor.

#### 4.4. Costs and Payments

- A. **General:** Any prompt payment terms offered must be clearly noted by the Contractor on all invoices submitted to the City for the payment of goods or services received. The City will make every effort to process payment for the purchase of material or services within thirty to forty-five calendar days after receipt of a correct invoice, unless a good faith dispute exists to any obligation to pay all or a portion of the account. Payment terms are specified in the Offer.
- B. **Payment Deduction Offset Provision:** Contractor acknowledges that the City Charter requires that no payment be made to any Contractor as long as there is an outstanding obligation due to the City. Contractor agrees that any obligation it owes to the City will be offset against any payment due to the Contractor from the City.
- C. **Late Submission of Claim by Contractor:** The City will not honor any invoices or claims which are tendered one year after the last item of the account accrued.

- D. **Discounts:** If applicable, payment discounts will be computed from the date of receiving acceptable products, materials and/or services or correct invoice, whichever is later to the date payment is mailed.
- E. **No Advance Payments:** Advance payments are not authorized. Payment will be made only for actual services or commodities that have been received, unless addressed specifically in the Scope of work for subscription services.
- F. **Fund Appropriation Contingency:** The Contractor recognizes that any agreement entered into will commence upon the day first provided and continue in full force and effect until termination in accordance with its provisions. The Contractor and the City herein recognize that the continuation of any contract after the close of any given fiscal year of the City, which ends on June 30th of each year, will be subject to the approval of the budget of the City providing for or covering such contract item as an expenditure therein. The City does not represent that said budget item will be actually adopted, said determination being the determination of the City Council at the time of the adoption of the budget.
- G. **Maximum Prices:** The City will not be invoiced at prices higher than those stated in any contract resulting from this Offer. Contractor certifies, by signing this Offer that the prices offered are no higher than the lowest price the Contractor charges other buyers for similar quantities under similar conditions, as applicable and shown by quotes for like services and goods. Contractor further agrees that any reductions in the price of the goods or services covered by this Offer and occurring after award will apply to the undelivered balance. The Contractor will promptly notify the City of such price reductions.
- H. **F.O.B. Point:** All prices are to be quoted F.O.B. destination, unless specified elsewhere in this solicitation.

#### 4.5. Contract Changes

- A. **Contract Amendments:** Contracts will be modified only by a written contract amendment signed by persons duly authorized to enter into contracts on behalf of the Contractor. No verbal agreement or conversation with any officer, agent, or employee of the City either before or after execution of the contract, will affect or modify any of the terms or obligations contained or to be contained in the contract. Any such verbal agreements or conversation shall be considered as unofficial information and in no way binding upon the City or the Contractor. All agreements shall be in writing and contract changes shall be by written amendment signed by both parties.
- B. **Assignment - Delegation:** No right or interest in this contract nor monies due hereunder will be assigned in whole or in part without written permission of the City, and no delegation of any duty of Contractor will be made without prior written permission of the City, which may be withheld for good cause. Any assignment or delegation made in violation of this section will be void.

- C. **Non-Exclusive Contract:** Any contract resulting from this solicitation will be awarded with the understanding and agreement that it is for the sole convenience of the City. The City reserves the right to obtain like goods or services from another source when necessary.

#### 4.6. Risk of Loss and Liability

- A. **Title and Risk of Loss:** The title and risk of loss of material or service will not pass to the City until the City actually receives the material or service at the point of delivery; and such loss, injury, or destruction will not release seller from any obligation hereunder.
- B. **Acceptance:** All material or service is subject to final inspection and acceptance by the City. Material or service failing to conform to the specifications of this contract will be held at Contractor's risk and may be returned to the Contractor. If so returned, all costs are the responsibility of the Contractor. Noncompliance will conform to the cancellation clause set forth in this document.
- C. **Force Majeure:** Except for payment of sums due, neither party will be liable to the other nor deemed in default under this contract if and to the extent that such party's performance of this contract is prevented by reason of force majeure. The term "force majeure" means an occurrence that is beyond the control of the party affected and occurs without its fault or negligence. Force majeure will not include late performance by a subcontractor unless the delay arises out of a force majeure occurrence in accordance with this force majeure term and condition. If either party is delayed at any time in the progress of the work by force majeure, the delayed party will notify the other party in writing of such delay, as soon as is practical, of the commencement thereof and will specify the causes of such delay in such notice. Such notice will be hand-delivered or mailed certified-return receipt and will make a specific reference to this provision, thereby invoking its provisions. The delayed party will cause such delay to cease as soon as practicable and will notify the other party in writing when it has done so. The time of completion will be extended by contract modification for a period of time equal to the time that results or effects of such delay prevent the delayed party from performing in accordance with this contract.
- D. **Loss of Materials:** The City does not assume any responsibility, at any time, for the protection of or for loss of materials, from the time that the contract operations have commenced until the final acceptance of the work by the City.
- E. **Contract Performance:** Contractor will furnish all necessary labor, tools, equipment, and supplies to perform the required services at the City facilities designated, unless otherwise specifically addressed in the scope, or elsewhere in this Agreement. The City's authorized representative will decide all questions which may arise as to the quality and acceptability of any work performed under the contract. If, in the opinion of the City's authorized representative, performance becomes unsatisfactory, the City will notify the Contractor. The Contractor will have 30 days from that time to correct any specific instances of unsatisfactory performance, unless a different amount of time is specified in the agreement. In the event the unsatisfactory performance is not corrected within the time specified, the City will have the immediate right to complete the work to its satisfaction and

will deduct the cost to cover from any balances due or to become due the Contractor. Repeated incidences of unsatisfactory performance may result in cancellation of the agreement for default.

- F. **Damage to City Property:** Contractor will perform all work so that no damage to the building or grounds results. Contractor will repair any damage caused to the satisfaction of the City at no cost to the City. Contractor will take care to avoid damage to adjacent finished materials that are to remain. If finished materials are damaged, Contractor will repair and finish to match existing material as approved by the City at Contractor's expense.

#### 4.7. City's Contractual Rights

Whenever one party to this contract in good faith has reason to question the other party's intent to perform, the former party may demand that the other party give a written assurance of this intent to perform. In the event that a demand is made and no written assurance is given within five days, the demanding party may treat this failure as an anticipatory repudiation of this contract.

- A. **Non-Exclusive Remedies:** The rights and remedies of the City under this Contract are non-exclusive.
- B. **Default in One Installment to Constitute Breach:** Each installment or lot of the agreement is dependent on every other installment or lot and a delivery of non-conforming goods or a default of any nature under one installment or lot will impair the value of the whole agreement and constitutes a total breach of the agreement as a whole.
- C. **On Time Delivery:** Because the City is providing services which involve health, safety and welfare of the general public, delivery time is of the essence. Delivery must be made in accordance with the delivery schedule promised by the Contractor.
- D. **Default:** In case of default by the Contractor, the City may, by written notice, cancel this contract and repurchase from another source and may recover the excess costs by (1) deduction from an unpaid balance due; (2) collection against the Solicitation and/or Performance Bond, or (3) a combination of the aforementioned remedies or other remedies as provided by law.
- E. **Covenant Against Contingent Fees:** Seller warrants that no person or selling agent has been employed or retained to solicit or secure this contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, excepting bona fide employers or bona fide established commercial or selling agencies maintained by the seller for the purpose of securing business. For breach or violation of this warranty, the City will have the right to annul the contract without liability or in its discretion to deduct from the contract price a consideration, or otherwise recover the full amount of such commission, brokerage or contingent fee.
- F. **Cost Justification:** In the event only one response is received, the City may require that the Contractor submit a cost proposal in sufficient detail for the City to perform a cost/price analysis to determine if the Offer price is fair and reasonable.

- G. Work Product, Equipment, and Materials:** All work product, equipment, or materials created or purchased under this contract belongs to the City and must be delivered to the City at City's request upon termination of this contract. Contractor agrees to assign to City all rights and interests Contractor may have in materials prepared under this contract that are "works for hire" within the meaning of the copyright laws of the United States, including any right to derivative use of the material.

#### 4.8. Contract Termination

- A. Gratuities:** The City may, by written notice to the Contractor, cancel this contract if it is found that gratuities, in the form of entertainment, gifts or otherwise, were offered or given by the Contractor or any agent or representative of the Contractor, to any officer or employee of the City making any determinations with respect to the performing of such contract. In the event this contract is canceled by the City pursuant to this provision, the City will be entitled, in addition to any other rights and remedies, to recover or withhold from the Contractor the amount of the gratuity.

**B. Conditions and Causes for Termination:**

1. This contract may be terminated at any time by mutual written consent, or by the City, with or without cause, upon giving thirty-day written notice to Contractor. The City at its convenience, by written notice, may terminate this contract, in whole or in part. If this contract is terminated, the City will be liable only for payment under the payment provisions of this contract for services rendered and accepted material received by the City before the effective date of termination. Title to all materials, work-in-process and completed but undeliverable goods, will pass to the City after costs are claimed and allowed. The Seller will submit detailed cost claims in an acceptable manner and will permit the City to examine such books and records as may be necessary in order to verify the reasonableness of any claims.
2. The City reserves the right to cancel the whole or any part of this contract due to failure of Contractor to carry out any term, promise, or condition of the contract. The City will issue a written notice of default to Contractor for acting or failing to act as in any of the following:
  - In the opinion of the City, Contractor provides personnel who do not meet the requirements of the contract;
  - In the opinion of the City, Contractor fails to perform adequately the stipulations, conditions or services/specifications required in this contract;
  - In the opinion of the City, Contractor attempts to impose on the City personnel or materials, products or workmanship, which is of an unacceptable quality;
  - Contractor fails to furnish the required service and/or product within the time stipulated in the contract;

- In the opinion of the City, Contractor fails to make progress in the performance of the requirements of the contract and/or gives the City a positive indication that Contractor will not or cannot perform to the requirements of the contract.

C. **Contract Cancellation:** All parties acknowledge that this contract is subject to cancellation by the City of Phoenix pursuant to the provision of Section 38-511, Arizona Revised Statutes.

#### 4.9. Notice

All notices, consents, approvals, and other communications ("Notice") between the City and Contractor that are required to be given under this Contract shall be in writing and given by (1) personal delivery, (2) email with return receipt requested (read receipt), (3) facsimile transmittal with delivery confirmation, (4) prepaid delivery to any commercial air courier or express delivery service, or (5) registered or certified mail, postage prepaid and return receipt requested, through the United States Postal Service.

Notices to the City shall be sent to: City of Phoenix Finance Department, Procurement Division [Procurement@phoenix.gov](mailto:Procurement@phoenix.gov).

Notice to Contractor shall be sent to the person at the mailing address, email address, or fax number listed by Contractor in its Offer in Submittal Forms - Offer Page.

#### 4.10. Integration

This Agreement constitutes and embodies the full and complete understanding and agreement of the parties hereto and supersedes all prior understandings, agreements, discussions, proposals, bids, negotiations, communications, and correspondence, whether oral or written. No representation, promise, inducement or statement of intention has been made by any party hereto which is not embodied in this Agreement, and no party will be bound by or liable for any statement of intention not so set forth.

#### 4.11. State and Local Transaction Privilege Taxes

In accordance with applicable state and local law, transaction privilege taxes may be applicable to this transaction. The state and local transaction privilege (sales) tax burden and legal liability to remit taxes are on the Contractor that is conducting business in Arizona and the City of Phoenix. Any failure by the Contractor to collect applicable taxes from the City will not relieve the Contractor from its obligation to remit taxes. It is the responsibility of the prospective bidder to determine any applicable taxes. The City will look at the price or offer submitted and will not deduct, add or alter pricing based on speculation or application of any taxes, nor will the City provide advice or guidance. If you have questions regarding your tax liability, please seek advice from a tax professional prior to submitting your Offer. You may also find information at <https://www.phoenix.gov/finance/plt> or <https://www.azdor.gov/Business>. Once your Offer is submitted, the Offer is valid for the time specified in this Solicitation, regardless of mistake or omission of tax liability. If the City finds over payment of a project due to tax consideration that was not due, the Contractor will be liable to the City for that amount, and by contracting with the City, the Contractor agrees to remit any overpayments back to the City for miscalculations on taxes included in an offer price.

#### **4.12. Tax Indemnification**

Contractor will pay all federal, state and local taxes applicable to its operation and any persons employed by the Contractor, and require the same of all subcontractors. Contractor will hold the City harmless from any responsibility for taxes, damages and interest, if applicable, contributions required under federal, and/or state and local laws and regulations and any other costs including transaction privilege taxes, unemployment compensation insurance, Social Security and Worker's Compensation, and require the same of all subcontractors.

#### **4.13. Tax Responsibility Qualification**

Contractor may be required to establish, to the satisfaction of City, that any and all fees and taxes due to the City or the State of Arizona for any License or Transaction Privilege taxes, Use Taxes or similar excise taxes, are currently paid (except for matters under legal protest). Contractor agrees to a waiver of the confidentiality provisions contained in the City Finance Code and any similar confidentiality provisions contained in Arizona statutes relative to State Transaction Privilege Taxes or Use Taxes. Contractor agrees to provide written authorization to the City Finance Department and to the Arizona State Department of Revenue to release tax information relative to Arizona Transaction Privilege Taxes or Arizona Use Taxes in order to assist the Department in evaluating Contractor's qualifications for and compliance with contract for duration of the term of contract.

#### **4.14. No Israel Boycott**

If this Contract is valued at \$100,000 or more and requires Contractor (a company engaging in for-profit activity and having ten or more full-time employees) to acquire or dispose of services, supplies, information technology, or construction, then Contractor must certify and agree that it does not and will not boycott goods or services from Israel, pursuant to Title 35, Chapter 2, Article 9 of the Arizona Revised Statutes. Provided that these statutory requirements are applicable, Contractor by entering this Contract now certifies that it is not currently engaged in, and agrees for the duration of the Contract to not engage in, a boycott of goods or services from Israel.

#### **4.15. No Forced Labor of Ethnic Uyghurs**

If this Contract requires Contractor (a company engaging in for-profit activity and having ten or more full-time employees) to acquire or dispose of services, supplies, information technology, goods, or construction, then pursuant to Title 35, Chapter 2, Article 10 of the Arizona Revised Statutes Contractor must certify and agree that it and any contractors, subcontractors, or suppliers it utilizes do not and will not use the forced labor of ethnic Uyghurs in the People's Republic of China or any goods or services produced by such forced labor. Provided these statutory requirements are applicable, Contractor, by entering this Contract, now certifies it is not currently engaged in, and agrees for the duration of the Contract to not engage in, (a) the use of forced labor of ethnic Uyghurs in the People's Republic of China; (b) the use of any goods or services produced by the forced labor of ethnic Uyghurs in the People's Republic of China; or (c) the use of any contractors, subcontractors, or suppliers that use the forced labor or any goods or services produced by the forced labor of ethnic Uyghurs in the People's Republic of China.

#### 4.16. Advertising

Except as required by law, Contractor shall not publish, release, disclose or announce to any member of the public, press, official body, or any other third party any information or documents concerning this Agreement or any part thereof without the prior written consent of the City. The name of any City site on which services are performed by the Contractor pursuant to this Agreement shall not be used in any advertising or other promotional context by Contractor without the prior written consent of the City.

#### 4.17. Strict Performance

Failure of either party to insist upon the strict performance of any item or condition of the contract or to exercise or delay the exercise of any right or remedy provided in the contract, or by law, or the acceptance of materials or services, obligations imposed by this contract, or by law, will not be deemed a waiver of any right of either party to insist upon the strict performance of the contract.

#### 4.18. Authorized Changes

The City reserves the right at any time to make changes in any one or more of the following: (a) specifications; (b) methods of shipment or packing; (c) place of delivery; (d) time of delivery; and/or (e) quantities. If the change causes an increase or decrease in the cost of or the time required for performance, an equitable adjustment may be made in the price or delivery schedule, or both. Any claim for adjustment will be deemed waived unless asserted in writing within sixty days from the receipt of the change. Price increases or extensions of delivery time will not be binding on the City unless evidenced in writing and approved by the Chief Procurement Officer prior to the institution of the change.



## **5. Special Terms and Conditions**

### **5.1. Term of Contract**

The term of this Contract will commence on or about July 1, 2025, and will continue for a period of five years thereafter.

### **5.2. Free on Board (FOB)**

Prices quoted shall be FOB destination and delivered, as required, to the following point: City of Phoenix Signing and Striping Shop, 4035 W. Glenrosa Ave., Phoenix, AZ 85019.

### **5.3. Price**

All prices submitted shall be firm and fixed for the initial one-year of the contract. Thereafter, price increases will be considered annually provided the adjustments are submitted in writing with 60 days' notice to the Procurement Officer. Price increase requests shall be accompanied with written documentation to support the increase, such as a letter from the manufacturer, published price index, applicable change in law, etc. Price decrease requests do not require supporting documentation and are allowed at any time during the contract term.

The City will be the sole judge in determining the allowable increase amount. Price increases agreed to by any staff other than the Chief Procurement Officer are invalid. The Contractor acknowledges and agrees to repay all monies paid because of a requested price increase unless the increase was specifically approved, in writing, by the Chief Procurement Officer.

### **5.4. Discounts from Published Catalogs / Price Lists**

Contractor must indicate and provide with its submittal, if reasonable, the manufacturer's price list, or catalog that will be in effect at the commencement of the contract and from which the discounts offered will be evaluated. The Procurement Officer must be informed 60 days in advance of any new price list or catalogs and the respective date(s).

Any terms and conditions contained in the parts price list(s) or catalog(s) will not take precedence over the City's terms and conditions specified herein.

- A. All discounts offered will be firm and fixed for the entire contract period. Discounts offered must be expressed as a single percentage (%) figure for each contract item. Offers containing chain or multiple discounts may be considered non-responsive.
- B. Offers will be submitted based on a discount from a manufacturer's most recent Published Price List(s) or Catalog which is common to, and accepted by, the industry in general. The lists must be printed or available online, properly identified, and dated as to issuance and effectiveness.

Revised Price Lists or Catalogs may be used as a means of price adjustment. However, all offers are to be firm for a period of one-year after the solicitation due date and pricing cannot be revised during that time. Revised pricing will be accepted only in the event of an industry-wide price change, as evidenced by the issuance of revised price lists, by the manufacturer. Price adjustments will not be made for changes in freight costs. New pricing will not become effective until revised list(s) are submitted to the City under Contractor cover letter identifying the applicable

contract number. Contractor cover letter and pricing list(s) must be date, signed, and submitted to the Procurement Officer. One of revised price list will be required.

- A. All invoices must include the manufacturer's part number, list price and discount percentage, net price extended and totaled. The City reserves the right to request a hard copy of the manufacturer's documented price listing for any item(s) invoiced.

## 5.5. Method of Ordering

Contractor shall deliver items and/or services only upon receipt of a written purchase order. All Contractor invoices and packing/delivery tickets must include the City of Phoenix purchase order number.

## 5.6. Method of Invoicing

Invoice must be emailed in .pdf format to [invoices@phoenix.gov](mailto:invoices@phoenix.gov) and must include the following:

- City purchase order number or shopping cart number
- Items listed individually by the written description and part number
- Unit price, extended and totaled
- Quantity ordered, back ordered, and shipped
- Applicable tax
- Invoice number and date
- Delivery address
- Payment terms
- FOB terms
- Remit to address

## 5.7. Method of Payment

Payment to be made from Contractor's invoice and a copy of the signed delivery/service ticket submitted to cover items received and accepted during the billing period.

## 5.8. Partial Payments

Partial payments are authorized on individual purchase orders. Payment will be made for actual goods and services received and accepted by the City.

## 5.9. Supplier Profile Changes

It is the responsibility of the Contractor to promptly update their profile in procurePHX at <https://www.phoenix.gov/procure>. If Contractor's legal identify has changed, the Procurement Officer must be notified immediately. Failure to do so may result in non-payment of invoices and contract termination.

## 5.10. Post Award Conference

A post-award conference will be held prior to commencement of any work on the project. The purpose of this conference is to discuss critical elements of the work schedule and operational problems and procedures.

## 5.11. Delivery

All deliveries shall be made between the hours of 7:00 a.m. and 1:30 p.m., local time, Monday through Friday, excluding City holidays.

City holiday calendar: <https://www.phoenix.gov/calendar/holidays>.

Vendor must provide notification of delivery 24 hours prior to arrival. Please contact the Administrative Assistant at 602-534-0189 or the Administrative Aide at 602-262-6702.

Upon receiving a purchase order, the vendor shall deliver within 30 days ARO, unless otherwise agreed upon in writing.

## **6. Defense and Indemnification**

### **6.1. Standard General Defense and Indemnification**

Contractor (“Indemnitor”) must defend, indemnify, and hold harmless the City of Phoenix and its officers, officials (elected or appointed), agents, and employees (“Indemnitee”) from and against any and all claims, actions, liabilities, damages, losses or expenses (including but not limited to court costs, attorney fees, expert fees, and costs of claim processing, investigation and litigation) of any nature or kind whatsoever (“Losses”) caused, or alleged to be caused, in whole or in part, by the wrongful, negligent or willful acts, or errors or omissions of Indemnitor or any of its owners, officers, directors, members, managers, agents, employees or subcontractors (“Indemnitor’s Agents”) arising out of or in connection with this Contract. This defense and indemnity obligation includes holding Indemnitee harmless for any Losses arising out of or recovered under any state’s Workers’ Compensation Law or arising out of the failure of Indemnitor or Indemnitor’s Agents to conform to any federal, state or local law, statute, ordinance, rule, regulation or court decree. Indemnitor’s duty to defend Indemnitee accrues immediately at the time a claim is threatened or a claim is made against Indemnitee, whichever is first. Indemnitor’s duty to defend exists regardless of whether Indemnitor is ultimately found liable. Indemnitor must indemnify Indemnitee from and against any and all Losses, except where it is proven that those Losses are solely a result of Indemnitee’s own negligent or willful acts or omissions. Indemnitor will be responsible for primary loss investigation, defense and judgment costs where this indemnification applies. In consideration of the award of this Contract, Indemnitor waives all rights of subrogation against Indemnitee for losses arising from the work performed by Indemnitor or Indemnitor’s Agents for the City of Phoenix. The obligations of Indemnitor under this provision survive the termination or expiration of this Contract.

## 7. Insurance Requirements

### 7.1. Vendor's Insurance

Vendor must procure insurance against claims that may arise from or relate to performance of the work hereunder by Vendor and its agents, representatives, employees and subcontractors. Vendor and subcontractors must maintain that insurance until all their obligations have been discharged, including any warranty periods under this Contract.

The City in no way warrants that the limits stated in this section are sufficient to protect the Vendor from liabilities that might arise out of the performance of the work under this Contract by the Vendor, its agents, representatives, employees or subcontractors and Vendor may purchase additional insurance as they determine necessary.

### 7.2. Scope and Limits of Insurance

Vendor must provide coverage with limits of liability not less than those stated below. An excess liability policy or umbrella liability policy may be used to meet the liability limits provided that (1) the coverage is written on a "following form" basis, and (2) all terms under each line of coverage below are met.

### 7.3. Commercial General Liability – Occurrence Form

General Aggregate \$2,000,000  
Products – Completed Operations Aggregate \$1,000,000  
Personal and Advertising Injury \$1,000,000  
Each Occurrence \$1,000,000

- The Vendor's insurance coverage must be primary and non-contributory with respect to any insurance or self-insurance carried by the City.

### 7.4. Automobile Liability

Bodily Injury and Property Damage coverage for any owned, hired, and non-owned vehicles used in the performance of this Contract.

Combined Single Limit (CSL) \$1,000,000

### 7.5. Worker's Compensation and Employers' Liability

Workers' Compensation Statutory  
Employers' Liability:  
Each Accident \$100,000  
Disease – Each Employee \$100,000  
Disease – Policy Limit \$500,000

- Policy must contain a waiver of subrogation against the City of Phoenix.
- This requirement does not apply when a Vendor is exempt under A.R.S. §23-902(E), **AND** when such Vendor executes the appropriate sole proprietor waiver form.

## 7.6. Notice of Cancellation

For each insurance policy required by the insurance provisions of this Contract, the Vendor must provide to the City, within 5 business days of receipt, a notice if a policy is suspended, voided or cancelled for any reason. Such notice must be mailed, emailed, or hand delivered City of Phoenix Finance Department, Procurement Division, 251 W Washington Street, Phoenix, AZ 85003 OR [procurement@phoenix.gov](mailto:procurement@phoenix.gov).

## 7.7. Acceptability of Insurers

Insurance is to be placed with insurers duly licensed or authorized to do business in the state of Arizona and with an "A.M. Best" rating of not less than B+ VI. The City in no way warrants that the required minimum insurer rating is sufficient to protect the Vendor from potential insurer insolvency.

## 7.8. Verification of Coverage

Vendor must furnish the City with certificates of insurance (ACORD form or equivalent approved by the City) as required by this Contract. The certificates for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf.

All certificates and any required endorsements are to be received and approved by the City before work commences. Each insurance policy required by this Contract must be in effect at or prior to commencement of work under this Contract and remain in effect for the duration of the project. Failure to maintain the insurance policies as required by this Contract or to provide evidence of renewal is a material breach of contract.

All certificates required by this Contract must be sent directly to City of Phoenix Finance Department, Procurement Division, 251 W Washington Street, Phoenix, AZ 85003 OR [procurement@phoenix.gov](mailto:procurement@phoenix.gov). The City project/contract number and project description must be noted on the certificate of insurance. The City reserves the right to review complete copies of all insurance policies required by this Contract at any time. **DO NOT SEND CERTIFICATES OF INSURANCE TO THE CITY'S RISK MANAGEMENT DIVISION.**

## 7.9. Approval

Any modification or variation from the insurance coverages and conditions in this Contract must be documented by an executed contract amendment.

## 8. Submittals

### 8.1. Copies

Please submit one electronic copy of the Submittal Section and all other required documentation. Please do not lock the electronic copy with password protection so that the City may incorporate the successful Offer into the awarded contract.

**Please submit only the Submittal Section, do not submit a copy of the entire solicitation document.** This Offer will remain in effect for a period of 180 calendar days from the opening date, and is irrevocable unless it is in the City's best interest to release offer(s).

### 8.2. Solicitation Response Check List

Use this check list as a tool to review your submission to ensure that all required documents and forms are included.

The written offer should be:

- Typewritten for ease of evaluation
- Signed by an authorized representative of the Offeror
- Submitted with contact information for the individual(s) authorized to negotiate with the City
  1. Pricing Proposal - A completed pricing proposal with all requested prices, quantities, and/or discounts completed.
  2. All Safety Data Sheets for submitted materials.
  3. Submittal Forms - All submittal forms are completed and signed.
  4. Addenda - Signed copies of all published addenda.

Offers must be in possession of the Department on or prior to the exact time and date indicated in the Schedule of Events. Late offers will not be considered. Electronic submission is preferred. Due to file size limitations for electronic transmission, offers sent by email may need to be sent in parts with multiple emails. It is the responsibility of the Offeror to ensure that the offer is received timely and that there are no technical reasons for delay. Please refer to the Instructions Section for complete information regarding the submission of offers.

### 8.3. Additional Quantities

The City anticipates considerable activity under the resultant contract(s). However, no guarantee can be made as to actual preformed thermoplastic pavement marking materials, that will be purchased under this contract. The City reserves the right to add, change or delete quantities or items as circumstances may require.

Note: Offers taking exception to this option for additional quantities clause shall indicate in their offer.

#### **8.4. Catalogs and Price Lists**

Contractor must provide with its submittal the date of the current manufacturer's price list, and must identify the catalog that will be in effect at the commencement of the contract and from which the discounts offered will be evaluated. City's Finance Procurement Division must be informed 60 days in advance of any new price list or catalogs and the respective date(s). Any terms and conditions contained in the parts price list(s) or product catalog(s) submitted shall not take precedence over the City's terms and conditions specified herein. All invoices must include the manufacturer's part number, list price and discount percentage, net price extended and totaled. The City reserves the right to request a hard copy of the manufacturer's documented price listing for any item(s) invoiced.

#### **8.5. Discount from Published Price List**

Solicitations shall be submitted on the basis of a discount from a manufacturer's most recent Published Price List(s). Such Published Price List(s) must be common to, and accepted by, the industry in general. The lists must be printed, properly identified, and dated as to issuance and effectiveness.

Revised Published Price Lists may be used as a means of price adjustment. However, all offers are to be firm for a period one-year after the solicitation opening date and Revised Price Lists will not be accepted by the City until after that date. Revised Published Price Lists will be accepted only in the event of an industry-wide price change, as evidenced by the issuance of revised price lists, by the manufacturer. Price adjustments will not be made for changes in freight costs.

Revised Published Price(s) will not become effective until revised list(s) are submitted to the City under Contractor cover letter identifying the applicable contract agreement number. Contractor cover letter and pricing list(s) must be dated, signed, and submitted to the Procurement Officer. One of revised price list will be required.