

**INVITATION TO BID
FY24-25 CRACK & MASTIC SEAL PROJECT
B25-PW-SM313N-500588
ADDENDUM NO. 1
OCTOBER 16, 2024**

Attention is called to the following changes, additions, clarifications and/or deletions to the original solicitation and they shall be considered in preparing submissions:

There is no change in the opening date. **Submissions are due no later than 3:00 p.m., Arizona Time, October 23, 2024**, at the City Clerk's Office, 2330 McCulloch Blvd. N., Lake Havasu City, AZ 86403.

| ITEM | ACTION | DESCRIPTION or ISSUE |
|------|---------------|--|
| 1 | Clarification | Remove Original Bid Schedule 310 and Replace with the Revised Addendum No. 1 Bid Schedule 310 included as Attachment A to this Addendum. This revised bid schedule provides clarification of product to be used for this project. |
| 2 | Clarification | <p>Replace Section 800-29.3, found on page 101 of the PDF document, with the following:</p> <p><i>For this contract, the Contractor will provide (A) Maxwell Elastoflex 670, Crafco/Deery 200 Polymer Modified Asphalt Crack Sealant Type III or equivalent crack sealing materials into cracks ¼ inch to 1 ½ inches wide and the Contractor will provide (B) Maxwell Gap Patch 570, no equivalent, mastic material into cracks greater than 1 ½ inches for sealing of cracks and joints in asphalt concrete pavement. The compound shall melt to the proper consistency when heated and shall solidify on cooling to atmospheric or pavement temperatures. The City will maintain on file the crack sealer manufacturer's certifications that the product meets or exceeds specification. The stored crack sealing materials will remain in the manufacturer's original sealed containers, and each will be clearly marked with the manufacturer's name, the trade name of the sealer, the batch number or lot, the pouring temperature and the safe heating temperature.</i></p> |
| 3 | Clarification | <p>Replace PROJECT DESCRIPTION found in Section 00020, on page 4 of the PDF document, with the following:</p> <p><i>This project consists of the hot applied placement of up to 450,000 lbs. of Contractor supplied (A) Maxwell Elastoflex 670 crack sealing material or Crafco/Deery 200 type III or equivalent material into cracks smaller than 1 ½ inches in asphalt concrete pavement and 95,200 lbs. of contractor supplied (B) Maxwell Gap Patch 570, no equivalent, mastic material into cracks greater than 1 ½ inches in width in asphalt concrete pavement. City Representative must receive Bill of Ladings for all truckloads of material delivered. Application will be with straight applicator tipped wands, rubber squeegees or other City approved methods and limited to no more than 5 (five) Crack Seal machines. The paved areas include City owned roadways, parking lots and multi-use paths, within Lake Havasu City, AZ. Work is expected to begin early November/December 2024.</i></p> |

| | | |
|-----------|--------------------------------|--|
| 4. | Questions & Answers | |
| | 1. | Will Deery Level & Go or CrafczMastic 1 be accepted as equal and/or approved substitution to the Maxwell Gap Patch 570 material? |
| | | No, neither Deery Level & Go nor CrafczMastic 1 will be accepted as equals and/or approved substitutes. Section 800, Subsection 29.3 of the Invitation to Bid as revised specifically calls for “no-equivalent”. The City’s intent for “no equivalent” of the Maxwell Gap Patch 570 mastic material requirement is this product has been chosen for testing of its effectiveness and lifespan. |
| | 2. | Will GoldStar Asphalt Products HP#310 be accepted as an approved substitution for Crack Seal material? |
| | | HP#310 is not an approved substitute for crack seal material. It is used specifically for fog seal. |
| | 3. | Will permission be granted, in accordance with General Conditions 00700-27 29.2, to award more than 49% of the project to a subcontractor. |
| | | The City will <u>NOT</u> grant permission to award more than 49% of the work to Subcontractor(s) per Section 700-29.2. The City has determined it is in its best interest to retain the 49% subcontractor limitation that is our standard on all projects at this time. |
| | 4. | Please confirm that there are no prevailing wages or Davis Bacon wages to be paid on this project? |
| | | This project is not being funded with any federal grant monies, therefore no prevailing wage, Davis Bacon Wage Rates are not applicable. |
| | 5. | As testing & inspection are to be provided by contractor if required, can you confirm if there is any required for this project? |
| | | Testing & inspection by the contractor are not required for this project. |
| | 6. | Specs state all quality control should be provided by contractor. What quality control testing is expected to be performed? |
| | | Section 800, Subsection 11 (A) CONSTRUCTION TESTING, found on page 87 of the PDF document – is removed in its entirety as it is not applicable to this project. |
| | 7. | Please confirm no temporary structures will be required for this project. |
| | | No temporary structures will be required. |
| | 8. | As cracks sealed are likely to settle, what will the warranty for this project consist of? Since we are bidding to apply a predetermined amount of material, will contractor be responsible for any topping off of cracks beyond the requested amount of material? |
| | | Section 700-32.1 calls for a one-year warranty. The City requires cracks to be filled entirely. While the work is being performed, if a crack sinks the City will require a second fill while contractors are still on site. The predetermined amount of material is an estimate only. Contractor is responsible for topping off cracks beyond the estimated quantity if necessary while they are on site. |
| | 9. | Specs state that all cracks over ¼” will be filled, but an amount of material has been provided. Please confirm we will not be responsible for any cracks that exceed the predetermined quantities without additional compensation. |
| | | The City requires cracks to be filled entirely. The predetermined amount of material is an estimate only. Contractor will not be required to provide additional material without being compensated. |

| | | |
|--|------------|---|
| | 10. | The production rate listed (4,000lbs per day) is referring to the HCF, but is there a minimum requirement for Mastic as well? |
| | | There is no minimum requirement for the production of Mastic. |
| | 11. | Please confirm that no traffic control plans will be required for this work. |
| | | Traffic control plans are required as stated in Section 800, Subsection 35 found on page 105, of the Invitation to Bid and in accordance with Section 2650 provided as Attachment B to this Addendum. |
| | 12. | What are work hours within residential areas and can work be performed over weekends? |
| | | The permissible work hours are from 6:00 am to 6:00 pm. Weekend work is allowed. |

Susie Fox, Contract Specialist

Attachment A

REVISED ADDENDUM NO. 1 SECTION 310

BID SCHEDULE – FY2024-25 Crack & Mastic Seal Program B25-PW-SM313N-500588

| ITEM NO. | DESCRIPTION | EST QTY | UNIT OF MEASURE | UNIT PRICE ¹ (Word) | UNIT PRICE (Figure) | ITEM TOTAL ² COSTS |
|--|---|------------|--------------------|-----------------------------------|------------------------|----------------------------------|
| <u>BASE BID</u> | | | | | | |
| 1 | 1200.1 Mobilization/Demobilization and miscellaneous work | 1 | L.S. | | \$ | \$ |
| 2 | 00800.29.3(A) Maxwell Elastoflex 670, Crafc0/Deery 200 Polymer Modified Asphalt Crack Sealant Type III or equivalent | 450,000 | LBS. | | \$ | \$ |
| 3 | 00800.29.3 Crack Sealing Services | 450,000 | LBS. | | \$ | \$ |
| 4 | 00800.29.3(B) Maxwell Gap Patch 570, no equivalent, mastic material | 95,200 | LBS. | | \$ | \$ |
| 5 | 00800.29.3 Mastic Sealing Services | 95,200 | LBS. | | \$ | \$ |
| 6 | 2650.1 Traffic Control | 160 | Lane Miles | | \$ | \$ |
| 7 | Force Account | 1 | L.S. | Fifteen Thousand Dollars | \$ 15,000 | \$ 15,000 |
| BID TOTAL³ + FORCE ACCOUNT | | | | | \$ | \$ |

Above line items and totals shall include all work shown on the plans and specified herein, including taxes, insurance and bonding

¹The "Unit Price" column shall indicate unit or lump sum prices for each bid item and shall be indicated in written and numerical form.

²The "Item Total Costs" column shall indicate the extension of the unit prices, which is obtained by multiplying the "Estimated Quantity" column by the "Unit Price" column.

³The "Bid Total" amount shall be the sum of all costs listed in the "Item Total Costs" column.

Attachment B

SECTION 02650

TRAFFIC CONTROL

PART 1 - GENERAL

1.1 Description

A. Description of Work

The work to be performed in accordance with this section includes providing flagging services and pilot trucks, and furnishing, controlling, maintaining, moving and removing barricades, warning signs, lights, signals and pavement markings as required to provide a safe and efficient vehicular and pedestrian passage through the work zone.

The work shall include the furnishing of all labor, tools, equipment, materials and performing all required operations to provide a complete item in accordance with the project plans and specifications.

1.2 Quality Assurance

A. Reference Test Standards and Specifications

Manual on Uniform Traffic Control Devices, latest edition. (MUTCD)

Arizona Department of Transportation (ADOT) Standard Specifications for Road and Bridge Construction, 1990.

ADOT Signing and Marking Standard Drawings.

ADOT Construction Standard Drawings.

1.3 Submittals

A. Traffic Control Plan

The **CONTRACTOR** will provide the **OWNER** a traffic control plan for each portion of the work prior to that work beginning. Changes to traffic control plans shall be submitted at least 10 days prior to performing the work.

B. Schedule

Provide complete traffic control plan schedule showing dates and times for traffic control changes that will be performed in conjunction with the work schedule, ten (10) days prior to performing the work.

C. Responsible Employees

Provide name(s) of and after phone number(s) for the employee(s) responsible for implementation and maintenance of the traffic control plan to the **OWNER** and local law enforcement agency. The employee(s) shall be available at all times to make necessary changes or repairs to the traffic control facilities as required to maintain safe traffic control in and around the construction areas.

D. Emergency Service Notification

Provide a copy of Emergency Service Notification Form. Include date and person or persons to be notified.

PART 2 - MATERIALS

2.1 General

All products, procedures and facilities shall be per MUTCD latest edition. All traffic control devices shall be high intensity.

2.2 Advanced Warning Arrow Panel

MUTCD 6E-7, 8, 9. Type B min., independent power source, minimum 12 hours between intensity.

2.3 Temporary Concrete Barriers

MUTCD 6C-10, ADOT, construction detail, C-10.14 with barricade warning lights where required.

2.4 Sand Barrel Crash Cushions

ADOT, Signing and marking details 4-C-1.01, 02, 03. Filled with sand with a dry unit weight of 90 to 100 lbs. per cubic foot and a moisture content less than 2 percent by weight.

2.5 Temporary Pavement Markings

A. Raised Pavement Markings

MUTCD 3A-10, ADOT Specification Section 706, temporary reflective markers, color as indicated.

B. Marking Point

ADOT Specification Section 708, color as indicated.

C. Performed Marking Tape

ADOT Specification Section 705-202.2, removable.

2.6 Sign Posts

MUTCD 6B-4, wood, steel or aluminum.

2.7 Signs, Barricades, Channelizing Devices and Lighting Devices

MUTCD, Part VI. Lighted barricades shall be properly maintained.

2.8 Flagmen

Competent, trained and supplies with a combination STOP and SLOW sign, orange vest, orange hard hat or orange cap. Provide adjacent barricading devices where required. Flagmen shall be certified as required by State law and/or local codes and ordinances.

2.9 Pilot Vehicles

Equip vehicle with at least one roof mounted flashing yellow light and appropriate vehicle signage which will inform the traffic that they are required to follow that vehicle.

2.10 Detour

Provide surfacing on detour routes as indicated on the traffic plan. Surface shall be smooth and adequately maintained to keep dust to an absolute minimum.

PART 3 - EXECUTION

3.1 General

Provide adequate protection of all vehicular and pedestrian traffic, and workmen through any and all portions of the construction zone where the construction operations interfere with, obstruct or create a hazard to the normal movement of traffic.

- A.** Two (2) lanes of traffic shall remain open at all times unless otherwise approved by the **OWNER**.
- B.** During emergency situations, the **OWNER** may provide traffic control. The cost of any traffic control provided by the Owner shall be borne by the **CONTRACTOR**.
- C.** In the event that any employees of Lake Havasu City are required to correct, repair, or modify any in-place traffic control provided by the **CONTRACTOR**, it shall be the responsibility of the **CONTRACTOR** to reimburse Lake Havasu City for any incurred costs.
- D.** The **CONTRACTOR** will coordinate his work so as not to disrupt residential trash service.

3.2 Public Notification

A. Services

Notify all Emergency and Public Service which may operate in the affected traffic area, in writing when traffic patterns are to be alerted not less than 24 hours prior to street closure. Provide each service with the name of the employee(s) responsible for traffic control maintenance.

B. News Media

At least 7 days prior to closing any street, the **CONTRACTOR** shall notify at least 2 local radio and newspaper offices. The notification shall include the locations and time periods of closures. Periodically update news organizations as required.

3.3 Traffic Control Devices

Place all necessary traffic control devices before any work is started. Move devices as necessary to keep up with the advancing operation. Place devices at the locations indicated on the traffic plan and in accordance with plan details and the MUTCD and as specified herein.

Maintain devices, keep free from dirt, mud and roadway grime. Promptly replace all damaged devices.

3.4 Removal of Existing Markings

Remove existing pavement markings by any method that does not structurally damage the pavement. The method of removal shall meet all local codes and ordinances. Markings shall not be painted out.

3.5 Temporary Pavement Markings

Place pavement markings in accordance with the traffic control plan. Remove existing pavement marking and place temporary pavement marking immediately. Use temporary traffic control devices as required to safely channel traffic until markings are complete.

3.6 Temporary Concrete Barriers

Locate and install barriers as indicated on the plans. Fasten sections of the barrier to form a continuous chain. Flare ends of the barrier back as indicated to prevent exposing barrier end to oncoming traffic. Install flashing warning lights as required.

3.7 Sand Barrel Crash Cushions

Locate and install as indicated on the plans. Remove and replace damaged crash cushions immediately. Have available on the site a sufficient number of cushions to completely replace all of crash cushions at one site.

3.8 Flagmen

Locate flagmen as indicated on the traffic control plan. Provide flagmen where traffic is required to stop or slow. Provide additional for site specific traffic control conditions.

3.9 Stopping Traffic

Traffic shall not be stopped and held longer than absolutely necessary. Traffic shall not be stopped long enough to interrupt traffic at the nearest intersection or longer than 5 minutes unless otherwise approved by the Owner.

3.10 Adjustment to the Traffic Control Plan

At any time, the **OWNER** may request that adjustments be made to the traffic control plan layout or signage. The **CONTRACTOR** shall immediately make all adjustments and provide all signage required. No additional payment will be made for adjustments to the traffic control plan.

PART 4 - MEASUREMENT AND PAYMENT

4.1 Measurement

No measurement will be made for this item.

4.2 Payment

Payment will be made at the contract lump sum price bid for traffic control and shall be considered full payment for providing the labor and materials to perform this work.

See Section 00310 Bid Schedule for Bid Items.

****END OF SECTION****