



CITY OF STOCKTON

PUBLIC WORKS DEPARTMENT

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LETTER OF CLARIFICATION NO. 1

GRUPE PARK PARKING LOT RESURFACING, PROJECT NO. WD22011

TO ALL PROSPECTIVE BIDDERS

DATE: January 11, 2024

Letter of Clarification No. 1 for the above project consists of the following:

1. This acknowledgement form (see important Notice at the end of this document).

SPECIAL PROVISIONS:

2. Page 17, Section 5-1.01, "PERMITS"

REVISE the following:

- City of Stockton Encroachment Permit – The contractor shall obtain a City of Stockton encroachment permit and submit all required documents associated with the permit. Encroachment Permit fee will be paid by ~~The City.~~ **the contractor.**

3. Page 63, Section 91, "SEAL COAT"

ADD the following section:

SECTION 91 – SEAL COAT

This work shall consist of spreading of seal coat materials to existing pavement or surface. Seal coat shall conform to the requirements of Section 37-1, "Seal Coats," of the Caltrans Specifications, except as modified herein.

Contractor shall submit the mix design submittal for the City to review and approve.

91-01 MATERIALS

91-1.01 Asphaltic Emulsion

Asphaltic emulsion shall be a quick-setting type, Grade CQS1h, conforming to the requirements in Section 94, "Asphaltic Emulsions," of the Caltrans Specifications.

91-1.02 Water

Water shall be potable, free from harmful salts and of such quality that the asphalt will not separate from the emulsion before the seal coat is in place. No reclaimed water shall be used for seal coats.

91-1.03 Seal Coat Materials

Seal coat materials, undiluted except as noted, shall conform to the following:

<u>TEST</u>	<u>REQUIREMENT</u>
Weight (lbs. per gallon)	9.5 minimum
Nonvolatile component (%)	60 minimum, by weight
Mineral aggregate component	100% passing No. 20 sieve
Working viscosity, diluted 4 parts product to 1 part water – ASTM D562	75 KREBS minimum
Dried film color	Black
Asphalt Content	25-35% of nonvolatiles, by weight

91-02 CONSTRUCTION

Contractor shall remove all weeds and vegetation growing through the pavement surface to be sealed and spray the areas with suitable sterilant chemical. All surface cracks one-half inch (1/2") or wider in width shall be cleaned and filled with asphalt concrete. Cracks one-eighth inch (1/8") to one-half inch (1/2") wide shall be cleaned and filled with crack filler. Cracks smaller than one-eighth inch (1/8") in width shall be cleaned and filled with multiple coats of sealer. The pavement surface shall be clean and free from dirt, oil and grease deposits.

No seal coating work shall be performed when the ambient temperature is below 55 degrees Fahrenheit or above 110 degrees Fahrenheit or within 24 hours of a rainfall, prior or post.

When ambient temperatures are over 80 degrees Fahrenheit or the pavement is excessively aged or porous, the surface shall be sprayed with a mist of water in an amount that will leave the surface damp, but with no visible puddles of water. This

procedure is not required if a tack coat is applied. See Section 6, "Asphalt Paving and Surfacing," of these specifications for tack coat requirements.

The seal coat material shall be applied in two applications at a rate of 50 gallons per 1,000 square feet. The seal coat material shall be diluted using water in an amount not to exceed 20 percent of the total volume. Seal coat material shall be homogeneous prior to spreading, with no visible separation of solids and liquids.

Seal coat material shall be applied using a truck-mounted tank or wheeled container in continuous parallel lines and spread by means of brooms or rubber-faced squeegees either by hand or machine and in such a manner as to eliminate all ridges, lap marks, and air pockets. Any valve boxes, manhole covers, etc. shall be protected and kept free of seal coat material.

The surface after the primary application shall be uniformly smooth and show no evidence of coarse or uneven texture. As soon as the primary application is dry to the touch and will not scuff when walked on, another application shall be made. After the second application, the surface shall be allowed at least twenty-four (24) hours for complete curing.

The Contractor shall exercise care to prevent seal coat material from being deposited on other than specified surfaces and shall remove seal coat material from surfaces not designated to be sealed.

4. Page 64, Section 92, "CRACK TREATMENT"

ADD the following section:

SECTION 92 – CRACK TREATMENT

92-1.01 GENERAL

Work covered by this section includes cleaning out and sealing cracks ¼-inch or greater in existing asphalt concrete pavement areas.

92-1.02 SUBMITTALS

Contractor shall submit certifications from suppliers stating compliance of materials with the requirements of this section. The submittal must include:

1. Manufacturer's name
2. Production location
3. Product brand or trade name
4. Product designation
5. Batch or lot number
6. Crack treatment material type
7. Contractor or subcontractor name

- 8. Contract Number
- 9. Lot size
- 10. Shipment date
- 11. Manufacturer's signature

92-1.03 MATERIAL

Crack seal material shall consist of a single component, hot-applied, elastically modified asphalt composition specifically produced for effective pavement maintenance joint sealing.

Crack Treatment Material Requirements

Quality characteristic ^a	Test method ^b	Requirement: Type 3
Softening point (min, °C)	ASTM D36	90
Cone penetration at 77 °F (Max)	ASTM D5329	50
Resilience at 77 °F, unaged (%)	ASTM D5329	30-70
Flexibility (°C) ^c	ASTM D3111	0
Tensile adhesion (min, %)	ASTM D5329	400
Specific gravity (max)	ASTM D70	1.25
Asphalt compatibility	ASTM D5329	Pass
Sieve test (% passing)	See note d	100

^a Cold-applied crack treatment materials residue collected under ASTM D6943, Method B and sampled under ASTM D140 must comply with the grad specified.

^b Except for viscosity, cure each specimen at a temperature of 23 ± 2 °C and a relative humidity of 50 ± 10 percent for 24 ± 2 hours before testing.

^c For the flexibility test, the specimen size must be 6.4 ± 0.2 mm thick by 25 ± 0.2 mm wide by 150 ± 0.5 mm long. The test mandrel diameter must be 6.4 ± 0.2 mm. The bend arc must be 180 degrees. The bend rate must be 2 ± 1 seconds. At least 4 of 5 test specimens must pass at the specified test temperature without fracture, crazing, or cracking.

^d For hot-applied crack treatment, dilute with toluene and sieve through a no. 8 sieve. For cold-applied crack treatment, sieve the material as-received through a no. 8 sieve. If the manufacturer provides a statement that added components passed the no. 16 sieve before blending, this requirement is void.

92-1.04 EXECUTION

Surface Preparation

Cracks ¼-inch and wider shall be blown clean of all organic materials with a high-pressure air nozzle and/or a mechanical cleaning process to a depth of ½-inch minimum. Old sealant which protrudes above the asphalt concrete surface shall

be completely removed. Cleaning shall result in surfaces with are free from all dust, moisture of other contaminants and shall be approved by the Engineer.

Crack Seal Application

Cracks to be filled shall be completely dry at the time of filling, and in no case shall crack sealing be performed within 24 hours of any precipitation. Sealant shall be applied when the pavement surface temperature exceeds 50 °F. Application at lower temperatures may result in reduced adhesion due to possible presence of excess moisture.

The asphalt-rubber crack seal shall be heated to a minimum temperature of 300 °F but not greater than 350 °F. The material shall be held in the mixing tank at application temperature until very little separation of the rubber and asphalt occurs when a bead of sealant material is placed on the pavement. Sealant material may be added to the mix if the minimum temperature of 300 °F is maintained.

Crack Sealant material shall be applied to all cracks ¼-inch or greater to be flush with the adjacent pavement surface. Cracks shall be sealed from the bottom up. Excess sealant shall be leveled to less than 1/8-inch thickness with a **squeegee** or sealing show to produce a band which is **2 to 4 inches wide, centered over the crack.**

Traffic shall not be allowed on the freshly applied crack seal material until it has cured or until it has been sanded to prevent tracking.

92-1.05 MEASUREMENT AND PAYMENT

Full compensation for conforming to the requirements of this section shall be considered as included in the prices paid by the square foot in the contract prices paid for "Clean and Seal all Cracks at Meade Drive", and no additional compensation will be allowed, therefore.

IMPROVEMENT PLANS:

5. Modification to the IMPROVEMENT PLANS sheet 2, "GENERAL NOTES"

REVISE Striping and Signage Note No. 3:

- a. ~~ALL PAVEMENT MARKINGS, STRIPING AND CROSSWALKS SHALL BE THERMOPLASTIC ALL PAINT SHALL CONFORM TO SECTION 84-2.02C OF THE CALTRANS SPECIFICATIONS.~~

BID FORMS:

6. BID FORMS: **REPLACE** with the revised Bid Forms dated 01/09/2024.

QUESTIONS & ANSWERS:

7. Please review all Questions and Answers for this project.

“Bids not presented on the revised bid forms shall be cause for considering the bid as non-responsive.”



CHAD REED, INTERIM DIRECTOR
PUBLIC WORKS DEPARTMENT

CR:RA:TP:AG:kc

NOTICE: THIS FORM MUST BE SIGNED AND RETURNED WITH YOUR BID. FAILURE TO INCLUDE OR ACKNOWLEDGE A CLARIFICATION MAY RESULT IN THE BID BEING REJECTED AS NOT RESPONSIVE.

CONTRACTOR: _____

CONTRACTOR SIGNATURE: _____

DATE: _____