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May 23, 2005

06-Fre-180-R90.9/R96.9
06-0C3204

Addendum No. 2

Dear Contractor:

This addendum is being issued to the contract for construction on State highway in FRESNO COUNTY IN FRESNO FROM ROUTE 99/180 SEPARATION TO ROUTE 180/168 SEPARATION.

Submit bids for this work with the understanding and full consideration of this addendum. The revisions declared in this addendum are an essential part of the contract.

Bids for this work will be opened on June 8, 2005. The original bid opening date was previously postponed indefinitely under Addendum No. 1 dated April 15, 2005.

This addendum is being issued to set a new bid opening date as shown herein and revise the Project Plans, the Notice to Contractors and Special Provisions, and the Proposal and Contract.

Project Plan Sheet 3 is revised. Half-sized copies of the revised sheet is attached for substitution for the like-numbered sheet.

In the Special Provisions, Section 10-1.15, "SEAL EXISTING CONCRETE PAVEMENT JOINT," is replaced with Section 10-1.15, "SEAL PAVEMENT JOINT," as attached.

Addendum No. 2
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May 23, 2005

06-Fre-180-R90.9/R96.9
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In the Proposal and Contract, the Engineer's Estimate Item 15 is added, Items 3, 4 and 13 are revised, and Item 7 is deleted as attached.

To Proposal and Contract book holders:

Replace page 3 of the Engineer's Estimate in the Proposal with the attached revised page 3 of the Engineer's Estimate. The revised Engineer's Estimate is to be used in the bid.

Indicate receipt of this addendum by filling in the number of this addendum in the space provided on the signature page of the proposal.

Submit bids in the Proposal and Contract book you now possess. Holders who have already mailed their book will be contacted to arrange for the return of their book.

Inform subcontractors and suppliers as necessary.

This office is sending this addendum by UPS overnight mail to all book holders to ensure that each receives it. A copy of this addendum and the modified wage rates are available for the contractor's use on the Internet Site:

http://www.dot.ca.gov/hq/esc/oe/weekly_ads/addendum_page.html

If you are not a Proposal and Contract book holder, but request a book to bid on this project, you must comply with the requirements of this letter before submitting your bid.

Sincerely,

ORIGINAL SIGNED BY

REBECCA D. HARNAGEL, Chief
Office of Plans, Specifications & Estimates
Office Engineer

Attachments

10-1.15 SEAL PAVEMENT JOINT

This work shall consist of cleaning existing grooves at existing transverse and longitudinal weakened plane joints and placing asphalt rubber joint sealant as shown on the plans and as specified in these special provisions.

MATERIALS

Asphalt Rubber Joint Sealant

Asphalt rubber joint sealant shall conform to the requirements of ASTM Designation: D 3405 as modified herein or to the following:

1. Asphalt rubber joint sealant shall be a mixture of paving asphalt and ground rubber. Ground rubber shall be vulcanized or a combination of vulcanized and devulcanized materials ground so that 100 percent will pass a 2.36-mm sieve. The mixture shall contain not less than 22 percent ground rubber, by mass. Modifiers may be used to facilitate blending.
2. The asphalt rubber sealant shall have a Ring and Ball softening point of 57°C minimum, when tested in conformance with the requirements in AASHTO Designation: T 53.
3. The asphalt rubber sealant material shall be capable of being melted and applied to cracks and joints at temperatures below 204°C.

The penetration requirement of Section 4.2 of ASTM Designation: D 3405 shall not apply. The required penetration at 25°C, 150 g, 5 s, shall not exceed 120.

The resilience requirement of Section 4.5 of ASTM Designation: D 3405 shall not apply. The required resilience, when tested at 25°C, shall have a minimum of 50 percent recovery.

Prior to use on the project, each lot of asphalt rubber joint sealant shipped to the job site shall be accompanied by a Certificate of Compliance in conformance with the provisions in Section 6-1.07, "Certificates of Compliance," of the Standard Specifications, and shall be accompanied with storage and heating instructions and precautionary instructions for use. The Certificate of compliance shall also be accompanied with a certified test report of the results of the required tests performed on the joint sealant material within the previous 12 months prior to proposed use.

Asphalt rubber joint sealant materials shall be heated and placed in conformance with the manufacturer's written instructions and the details shown on the plans. The manufacturer's instructions shall be provided to the Engineer at least 7 days before beginning sealant placement operations. Asphalt rubber joint-sealant materials shall not be placed when the pavement surface temperature is below 10°C.

Cleaning the Joint

The existing joints shall be air blasted to remove sand, dirt, dust, and surface moisture no more than one hour before placement of sealant. Compressed air used to air blast the reservoir shall not introduce oil into the reservoir. If oil is accidentally introduced into the reservoir, the Contractor shall begin the cleaning process again until the Engineer is satisfied that the reservoir is clean. Compressed air shall be delivered at a minimum rate of 3.40 m³ per minute and develop at least 0.62-MPa nozzle pressure. The cleaning operation shall be performed in one direction to minimize contamination of surrounding areas. A vacuum sweeper shall be used to remove debris or contaminants from the surrounding pavement surfaces after air blasting. Chemical solvents shall not be used to wash the joint.

Sealant Installation

The existing joint walls shall be dry before installing the sealant. No sealant shall be installed before it reaches proper manufacturer's recommended installation temperature. The Contractor shall evacuate any cooled sealant and flushing oil that remains from the pumping hoses and nozzle. This evacuated material shall be discarded. Installation of the sealant shall begin only after fresh sealant is ejected from the nozzle at an acceptable temperature.

Sealant shall be pumped through a nozzle sized for the width of the sealant reservoir. The nozzle shall fit into the reservoir to allow pumping to the bottom. The nozzle shall be drawn toward the body of the installer versus pushing to reduce the possibility of air voids. Sealant shall not fill the reservoir to the top level of the joint surface.

After pumping the sealant, the Contractor shall squeegee over the fresh sealant to produce a finished level flush with the existing pavement. The sealant shall be squeegeed before the sealant begins to form a skin as it cures.

After each joint is sealed, surplus joint sealer on the pavement surface shall be removed. Traffic will not be permitted over the sealed joints until the sealant is track free and set sufficiently to prevent embedment of roadway debris into the sealant.

Failure of the joint material in either adhesion or cohesion of the material will be cause for rejection of the joint.

Removed material or material generated by the Contractor's operations shall become the property of the Contractor and shall be disposed of in conformance with the provisions in Section 7-1.13, "Disposal of Material Outside the Highway Right of Way," of the Standard Specifications.

MEASUREMENT AND PAYMENT

Sealing pavement joints will be measured by the meter.

The contract price paid per meter for seal pavement joint shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in sealing pavement joint, complete in place, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

ENGINEER'S ESTIMATE

06-0C3204

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
1	074017	PREPARE WATER POLLUTION CONTROL PROGRAM	LS	LUMP SUM	LUMP SUM	
2	074020	WATER POLLUTION CONTROL	LS	LUMP SUM	LUMP SUM	
3 (S)	120090	CONSTRUCTION AREA SIGNS	LS	LUMP SUM	LUMP SUM	
4 (S)	120100	TRAFFIC CONTROL SYSTEM	LS	LUMP SUM	LUMP SUM	
5 (S)	128650	PORTABLE CHANGEABLE MESSAGE SIGN	LS	LUMP SUM	LUMP SUM	
6 (S)	150714	REMOVE THERMOPLASTIC TRAFFIC STRIPE	M	100		
7	BLANK					
8 (S)	840515	THERMOPLASTIC PAVEMENT MARKING	M2	36		
9 (S)	840560	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)	M	24 500		
10 (S)	840563	200 MM THERMOPLASTIC TRAFFIC STRIPE	M	4300		
11 (S)	840564	200 MM THERMOPLASTIC TRAFFIC STRIPE (BROKEN 3.66 M – 0.92 M)	M	4800		
12 (S)	840570	100 MM THERMOPLASTIC TRAFFIC STRIPE (BROKEN 10.98 M – 3.66 M)	M	25 500		
13 (S)	840571	100 MM THERMOPLASTIC TRAFFIC STRIPE (BROKEN 5.18 M – 2.14 M)	M	400		
14 (S)	850111	PAVEMENT MARKER (RETROREFLECTIVE)	EA	4530		
15	404092	SEAL PAVEMENT JOINT	M	57000		

TOTAL BID: _____