

DEPARTMENT OF TRANSPORTATION
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October 15, 2001

10-SJ-99-28.3/28.9
10-0A6504
ACNH-ACBHNH-P099(421)E

Addendum No. 2

Dear Contractor:

This addendum is being issued to the contract for construction on State highway in SAN JOAQUIN COUNTY NEAR STOCKTON FROM 0.4 km NORTH OF GOLDEN GATE OVERCROSSING TO 0.3 km SOUTH OF 26/99 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 October 31, 2001. The original bid opening date was previously postponed indefinitely under Addendum No. 1 dated June 11, 2001.

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, the Proposal and Contract, and the Federal Minimum Wages with Modification Number 12 dated 10-12-01. A copy of 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

Project Plan Sheets 1, 8, 9, 10, 12, 13, 17, 18, 19, and 23 are revised. Half-sized copies of the revised sheets are attached for substitution for the like-numbered sheets.

Project Plan Sheets 9A, 9B, 17A, and 17B are added. Half-sized copies of the added sheets are attached for addition to the project plans.

All Project Plan Sheets are revised as follows:

In the KILOMETER POST TOTAL PROJECT blocks in the upper right hand corners, 28.4/28.8 is changed to 28.3/28.9.

On the cover of the Notice to Contractors and Special Provisions, "10-SJ-99-28.4/28.8" is changed to "10-SJ-99-28.3/28.9".

In the Notice to Contractors, "10-SJ-99-28.4/28.8" is changed to "10-SJ-99-28.3/28.9".

In the Special Provisions, Subsection "REMOVE THERMOPLASTIC TRAFFIC STRIPE" in Section 10-1.19, "EXISTING HIGHWAY FACILITIES," is replaced with the attached Subsection "REMOVE TRAFFIC STRIPE AND PAVEMENT MARKING".

In the Special Provisions, Section 10-1.325, "DECK OVERLAY (CONCRETE)," is added after Section 10-1.32, "SEALING JOINTS" as attached.

On the cover of the Proposal and Contract, "10-SJ-99-28.4/28.8" is changed to "10-SJ-99-28.3/28.9".

Addendum No. 2
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In the Proposal and Contract, the Engineer's Estimate Items 3, 4, 5, 12, 13, 38, 48, 49, 50 are revised, Items 52, 53, 54, and 55 are added, and Item 51 is deleted as attached.

To Proposal and Contract book holders:

Replace the entire Engineer's Estimate in the Proposal with the attached revised 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 Proposal and Contract book holders to ensure that each receives it.

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

REMOVE TRAFFIC STRIPE AND PAVEMENT MARKING

Traffic stripe and pavement marking shall be removed at the locations shown on the plans and as directed by the Engineer.

Attention is directed to "Water Pollution Control" of these special provisions.

Waste from removal of yellow thermoplastic traffic stripe contains lead chromate in average concentrations greater than or equal to 5 mg/L Soluble Lead or 1000 mg/kg Total Lead. Yellow thermoplastic traffic stripe exist from Station 99+00 to Station 104+50. Residue produced from when yellow thermoplastic are removed may contain heavy metals in concentrations that exceed thresholds established by the California Health and Safety Code and may produce toxic fumes when heated.

The removed yellow thermoplastic and yellow paint shall be disposed of at a Class 1 disposal facility in conformance with the requirements of the disposal facility operator within 90 days after accumulating 100 kg of residue and dust. The Contractor shall make necessary arrangements with the operator of the disposal facility to test the yellow thermoplastic residue as required by the facility and these special provisions. Testing shall include, at a minimum, (1) Total Lead and Chromium by EPA Method 7000 series and (2) Soluble Lead and Chromium by California Waste Extraction Test. From the first 3360 L of waste or portion thereof, if less than 3360 L of waste are produced, a minimum of four randomly selected samples shall be taken and analyzed. From each additional 840 L of waste or portion thereof, if less than 840 L are produced, a minimum of one additional random sample shall be taken and analyzed. The Contractor shall submit the name and location of the disposal facility and analytical laboratory along with the testing requirements to the Engineer not less than 5 days prior to the start of removal of yellow thermoplastic traffic stripe. The analytical laboratory shall be certified by the Department of Health Services Environmental Laboratory Accreditation Program. Test results shall be provided to the Engineer for review prior to signing a waste profile as requested by the disposal facility, prior to issuing an EPA identification number, and prior to allowing removal of the waste from the site.

The Contractor shall prepare a project specific Lead Compliance Plan to prevent or minimize worker exposure to lead while handling removed yellow thermoplastic. Attention is directed to Title 8, California Code of Regulations, Section 1532.1, "Lead," for specific Cal-OSHA requirements when working with lead.

The Lead Compliance Plan shall contain the elements listed in Title 8, California Code of Regulations, Section 1532.1(e)(2)(B). Before submission to the Engineer, the Lead Compliance Plan shall be approved by an Industrial Hygienist certified in Comprehensive Practice by the American Board of Industrial Hygiene. The Plan shall be submitted to the Engineer at least 7 days prior to beginning removal of yellow thermoplastic.

Prior to removing yellow thermoplastic traffic stripe, personnel who have no prior training, including State personnel, shall complete a safety training program provided by the Contractor that meets the requirements of Title 8, California Code of Regulations, Section 1532.1, "Lead," and the Contractor's Lead Compliance Program.

Personal protective equipment, training, and washing facilities required by the Contractor's Lead Compliance Plan shall be supplied to State personnel by the Contractor. The number of State personnel will be 3.

Where grinding or other methods approved by the Engineer are used to remove yellow thermoplastic traffic stripe, the removed residue, including dust, shall be contained and collected immediately. Sweeping equipment shall not be used. Collection shall be by a high efficiency particulate air (HEPA) filter equipped vacuum attachment operated concurrently with the removal operations or other equally effective methods approved by the Engineer. The Contractor shall submit a written work plan for the removal, storage, and disposal of yellow thermoplastic traffic stripe to the Engineer for approval not less than 7 days prior to the start of the removal operations. Removal operations shall not be started until the Engineer has approved the work plan.

The removed yellow thermoplastic traffic stripe residue shall be stored and labeled in covered containers. Labels shall conform to the provisions of Title 22, California Code of Regulations, Sections 66262.31 and 66262.32. Labels shall be marked with date when the waste is generated, the words "Hazardous Waste", composition and physical state of the waste (for example, asphalt grindings with thermoplastic or paint), the word "Toxic", the name and address of the Engineer, the Engineer's telephone number, contract number, and Contractor or subcontractor. The containers shall be a type approved by the United States Department of Transportation for the transportation and temporary storage of the removed residue. The containers shall be handled so that no spillage will occur. The containers shall be stored in a secured enclosure at a location within the project limits until disposal, as approved by the Engineer.

If the yellow thermoplastic traffic stripe residue is transported to a Class 1 disposal facility, a manifest shall be used, and the transporter shall be registered with the California Department of Toxic Substance Control. The Engineer will obtain the United States Environmental Protection Agency Identification Number and sign all manifests as the generator within 2 working days of receiving sample test results and approving the test methods.

Nothing in these special provisions shall relieve the Contractor of the Contractor's responsibilities as specified in Section 7-1.09, "Public Safety," of the Standard Specifications.

Attention is directed to "Material Containing Aerially Deposited Lead" of these special provisions regarding payment for the Lead Compliance Plan.

The contract lump sum price paid for Lead Compliance Plan shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in preparing the Lead Compliance Plan, including paying the Certified Industrial Hygienist, and for providing personnel protective equipment, training, air monitoring, and medical surveillance, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

Full compensation for providing a written work plan for the removal, storage, and disposal of yellow thermoplastic traffic stripe shall be considered as included in the contract items paid per meter for remove yellow thermoplastic traffic stripe and no separate payment will be made therefor.

10-1.325 DECK OVERLAY (CONCRETE)

Deck overlay (concrete) shall consist of constructing a concrete overlay on the existing deck at locations shown on the plans, in accordance with Section 51, "Concrete Structures," of the Standard Specifications and these special provisions.

Portland cement concrete used in deck overlay (concrete) shall conform to the provisions in Section 90, "Portland Cement Concrete," of the Standard Specifications for roadway deck slabs and slab spans of highway bridges.

The combined aggregate grading for the concrete shall be the 25-mm Max. grading.

Prior to placing the concrete overlay for any area, all work involved in preparing the concrete bridge deck surface shall have been completed for that area.

Surface preparation shall be as specified in Section 15, "Remove Asphalt Concrete Surfacing and Prepare Concrete Bridge Deck Surface," of these special provisions.

A neat cement paste bond coat conforming to the following requirements shall be applied to the prepared deck surface prior to placing portland cement concrete deck overlay:

The neat cement paste bond coat shall consist of portland cement and water. The amount of water used in the paste shall be not less than 26 liters nor more than 30 liters of water per 43 kilograms of cement. The consistency of the paste shall be such that it can be sprayed onto the existing concrete in a thin, even coating that will not run or puddle.

Portland cement and water shall conform to the requirements of Section 90-2.01, "Portland Cement," and Section 90-2.03, "Water," respectively, of the Standard Specifications.

Portland cement shall be Type II modified. The paste shall have an efflux time of less than 20 seconds when tested in accordance with California Test Method 541.

The paste may be extended with dry blast sand, 600 μ m or smaller, if the required water to cement ratio and the maximum specified efflux time are not exceeded.

The rate of progress in applying the paste shall be limited so that the paste does not become dry before it is covered with portland cement concrete overlay. In addition, not more than 90 minutes shall elapse between the time water is added to the cement and the time the paste is covered with portland cement concrete. Under conditions contributing to quick drying of the neat cement paste, or when the temperature of the neat cement paste is 29°C., or above, a time less than 90 minutes may be required.

The paste shall be applied to the existing concrete surface using power operated spray equipment. The power operated spraying equipment shall be equipped with an operational pressure gage and a means of controlling the pressure. The equipment shall provide uniform coverage across the full width of spray.

Should paste become dry before it is covered with the portland cement concrete overlay, the paste shall be removed by abrasive blast cleaning and a new coat applied. The removal and replacement of paste will be at the Contractor's expense.

Care shall be taken to ensure that the existing surface receives a thorough, even coating and that no excess paste is permitted to collect.

Expansion joints shall be adequately isolated prior to overlaying. Furnish deck overlay (concrete) will be measured by the cubic meter. The volume to be paid for will be based on the dimensions as shown on the plans.

Place deck overlay (concrete) will be measured by the square meter. The area to be paid for will be based on the dimensions as shown on the plans.

The contract price paid per cubic meter for furnish deck overlay (concrete) shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in furnishing deck overlay (concrete), as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

The contract price paid per square meter for place deck overlay (concrete) shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in place deck overlay (concrete), complete in place, including application of neat cement paste bond coat, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

ENGINEER'S ESTIMATE

10-0A6504

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
1 (S)	120090	CONSTRUCTION AREA SIGNS	LS	LUMP SUM	LUMP SUM	
2 (S)	120100	TRAFFIC CONTROL SYSTEM	LS	LUMP SUM	LUMP SUM	
3 (S)	120151	TEMPORARY TRAFFIC STRIPE (TAPE)	M	4790		
4	120165	CHANNELIZER (SURFACE MOUNTED)	EA	60		
5 (S)	120300	TEMPORARY PAVEMENT MARKER	EA	890		
6 (S)	128650	PORTABLE CHANGEABLE MESSAGE SIGN	LS	LUMP SUM	LUMP SUM	
7	129000	TEMPORARY RAILING (TYPE K)	M	880		
8 (S)	129100	TEMPORARY CRASH CUSHION MODULE	EA	56		
9	129150	TEMPORARY TRAFFIC SCREEN	M	880		
10	150656	REMOVE CABLE BARRIER	M	36		
11 (S)	150662	REMOVE METAL BEAM GUARD RAILING	M	23		
12 (S)	150714	REMOVE THERMOPLASTIC TRAFFIC STRIPE	M	1200		
13 (S)	150722	REMOVE PAVEMENT MARKER	EA	410		
14	150857	REMOVE ASPHALT CONCRETE SURFACING	M2	516		
15	151572	RECONSTRUCT METAL BEAM GUARD RAILING	M	23		
16	021288	RECONSTRUCT TERMINAL SYSTEM (TYPE SRT)	EA	2		
17 (S)	153103	COLD PLANE ASPHALT CONCRETE PAVEMENT	M2	1260		
18	153221	REMOVE CONCRETE BARRIER	M	36		
19	153225	PREPARE CONCRETE BRIDGE DECK SURFACE	M2	978		
20	157560	BRIDGE REMOVAL (PORTION)	LS	LUMP SUM	LUMP SUM	

ENGINEER'S ESTIMATE

10-0A6504

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21	160101	CLEARING AND GRUBBING	LS	LUMP SUM	LUMP SUM	
22	190101	ROADWAY EXCAVATION	M3	590		
23 (F)	192003	STRUCTURE EXCAVATION (BRIDGE)	M3	68		
24 (F)	193003	STRUCTURE BACKFILL (BRIDGE)	M3	46		
25	198001	IMPORTED BORROW	M3	150		
26	198007	IMPORTED MATERIAL (SHOULDER BACKING)	TONN	67		
27	260201	CLASS 2 AGGREGATE BASE	M3	230		
28	260210	AGGREGATE BASE (APPROACH SLAB)	M3	4.6		
29	390160	ASPHALT CONCRETE (TYPE B)	TONN	810		
30	390206	RUBBERIZED ASPHALT CONCRETE (TYPE G)	TONN	490		
31	048506	FURNISH PRECAST PRESTRESSED CONCRETE PILING	M	394		
32 (S)	038507	DRIVE PRECAST PRESTRESSED CONCRETE PILE	EA	28		
33 (F)	510053	STRUCTURAL CONCRETE, BRIDGE	M3	202		
34 (F)	510086	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE N)	M3	22		
35	510087	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	M3	46		
36	510810	COLUMN ENCASEMENT	M	27		
37	511106	DRILL AND BOND DOWEL	M	155		
38	515041	FURNISH POLYESTER CONCRETE OVERLAY	M3	31		
39 (F)	515042	PLACE POLYESTER CONCRETE OVERLAY	M2	978		
40 (S)	519120	JOINT SEAL (MR 15 MM)	M	76		

ENGINEER'S ESTIMATE

10-0A6504

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
41 (S-F)	520102	BAR REINFORCING STEEL (BRIDGE)	KG	23 200		
42	820118	GUARD RAILING DELINEATOR	EA	6		
43 (F)	833128	CONCRETE BARRIER (TYPE 25 MODIFIED)	M	76		
44	021289	CABLE BARRIER ANCHOR ASSEMBLY	EA	1		
45	839591	CRASH CUSHION, SAND FILLED	EA	1		
46	839701	CONCRETE BARRIER (TYPE 60)	M	62		
47 (F)	839702	CONCRETE BARRIER (TYPE 60A)	M	38		
48 (S)	840560	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)	M	2850		
49 (S)	850101	PAVEMENT MARKER (NON-REFLECTIVE)	EA	260		
50 (S)	850111	PAVEMENT MARKER (RETROREFLECTIVE)	EA	130		
51	BLANK					
52	150704	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE	M	950		
53	511127	FURNISH DECK OVERLAY (CONCRETE)	M3	19		
54 (F)	511128	PLACE DECK OVERLAY (CONCRETE)	M2	206		
55	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

TOTAL BID: _____