

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

OFFICE ENGINEER

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*Serious Drought.
Help save water!*

September 4, 2015

12-Ora-405-8.4
12-ON5404
Project ID 1214000057
ACBRNHPI-405-2(978)101E

Addendum No. 2

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN ORANGE COUNTY IN COSTA MESA AT RED HILL AVENUE OVERCROSSING.

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 Wednesday, September 16, 2015.

This addendum is being issued to revise the project plans, the *Notice to Bidders and Special Provisions*, the *Bid* book, and the Federal Minimum Wages with Modification Number 15 dated 09/04/15.

Project plan sheets 11, 40 and 47 are replaced and attached for substitution for the like-numbered sheets.

In the *Notice to Bidders*, the seventh paragraph is replaced as follows:

"The Contractor must have either a Class A license or a combination of Class C licenses which constitutes a majority of the work."

In the *Notice to Bidders*, the following paragraph is added after the ninth paragraph:

"For the Federal training program the number of trainees or apprentices is 12."

In the *Notice to Bidders*, the eleventh paragraph is replaced as follows:

"Complete the work, excluding plant establishment work, within 330 working days.

Complete the work, including plant establishment work, within 580 working days.

Complete the plant establishment work within 250 working days."

In the Special Provisions, Section 5-1.09A, is added as attached.

*"Provide a safe, sustainable, integrated and efficient transportation system
to enhance California's economy and livability"*

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In the Special Provisions, Section 5-1.32, is replaced as attached.

In the Special Provisions, Section 14-11.07, is replaced as attached.

In the Special Provisions, Section 19-6.03D(1), "Displacement Monitoring," the fifth paragraph is replaced as follows:

"The data collection for displacement monitoring must be performed by a licensed surveyor registered in the State of California. Monitoring of embankment displacement must comply with the following schedule:

1. Every 3 days in the first 2 months after completion of the embankment
2. Every week after 2 months after completion of the embankment "

In the Special Provisions, Section 20-1.03E, is deleted.

In the *Bid* book, in the "Bid Item List," Items 15 and 58 are replaced.

In the *Bid* book, in the "Bid Item List," Items 133, 134 and 135 are added.

In the *Bid* book, in the "Bid Item List," Items 59 and 132 are deleted.

To *Bid* book holders:

Inquiries or questions in regard to this addendum must be communicated as a bidder inquiry and must be made as noted in the *Notice to Bidders* section of the *Notice to Bidders and Special Provisions*.

Submit the *Bid* book as described in the *Electronic Bidding Guide* at the Bidders' Exchange website.

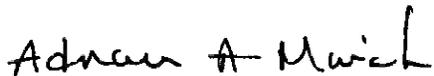
Inform subcontractors and suppliers as necessary.

This addendum, EBS addendum file, attachments and the modified wage rates are available for the Contractors' download on the Web site:

http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/12/12-0N5404

If you are not a *Bid* 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,



ADNAN MAIAH
Deputy District Director
Capital Outlay Program/Single Focal Point

Attachments

*"Provide a safe, sustainable, integrated and efficient transportation system
to enhance California's economy and livability"*

Add to section 5-1.09A:

The Department encourages the project team to exhaust the use of partnering in dispute resolution before engagement of an objective third party.

For certain disputes, a facilitated partnering session or facilitated dispute resolution session may be appropriate and effective in clarifying issues and resolving all or part of a dispute.

To afford the project team enough time to plan and hold the session, a maximum of 20 days may be added to the DRB referral time following the Engineer's response to a *Supplemental Potential Claim Record*.

To allow this additional referral time, the project team must document its agreement and intention in the dispute resolution plan of the partnering charter. The team may further document agreement of any associated criteria to be met for use of the additional referral time.

If the session is not held, the DRB referral time remains in effect as specified in section 5-1.43.

Add to section 5-1.32:

The following locations are designated Freeway Lease Areas and you may not occupy or use them for any purpose including, but not limited to, vehicle parking, temporary storage or construction staging area without first securing a lease, at fair market rate, through the District 12 Office of Right of Way.

- Southbound SR-55 at the Dyer Rd East exit loop ramp. (Freeway Lease Area 12-FLA-55-1)

Replace section 14-11.07 with:

14-11.07 REMOVE YELLOW TRAFFIC STRIPE AND PAVEMENT MARKING WITH HAZARDOUS WASTE RESIDUE

14-11.07A General

14-11.07A(1) Summary

Section 14-11.07 includes specifications for removing existing yellow thermoplastic and yellow painted traffic stripe and pavement marking. The residue from the removal of this material is a Department-generated hazardous waste.

Residue from removal of yellow thermoplastic and yellow painted traffic stripe and pavement marking contains lead chromate. The average lead concentration is at least 1,000 mg/kg total lead or 5 mg/l soluble lead. When applied to the roadway, the yellow thermoplastic and yellow painted traffic stripe and pavement marking contained as much as 2.6 percent lead. Residue produced from the removal of this yellow thermoplastic and yellow painted traffic stripe and pavement marking contains heavy metals in concentrations that exceed thresholds established by the Health & Safety Code and 22 CA Code of Regs. For bidding purposes, assume the residue is not regulated under the Federal Resource Conservation and Recovery Act (RCRA), 42 USC § 6901 et seq.

Work associated with disposal of hazardous waste residue regulated under RCRA as determined by test results is change order work.

Yellow thermoplastic and yellow paint may produce toxic fumes when heated.

14-11.07A(2) Submittals

14-11.07A(2)(a) General

Reserved

14-11.07A(2)(b) Lead Compliance Plan

Submit a lead compliance plan under section 7-1.02K(6)(j)(ii).

14-11.07A(2)(c) Work Plan

Submit a work plan for the removal, containment, storage, and disposal of yellow thermoplastic and yellow painted traffic stripe and pavement marking. The work plan must include:

1. Objective of the operation
2. Removal equipment
3. Procedures for removal and collection of yellow thermoplastic and yellow painted traffic stripe and pavement marking residue, including dust
4. Type of hazardous waste storage containers
5. Container storage location and how it will be secured
6. Hazardous waste sampling protocol and QA/QC requirements and procedures
7. Qualifications of sampling personnel
8. Analytical lab that will perform the analyses
9. DTSC registration certificate and CA Highway Patrol (CHP) Biennial Inspection of Terminals (BIT) Program compliance documentation of the hazardous waste hauler that will transport the hazardous waste
10. Disposal site that will accept the hazardous waste residue

The Engineer will review the work plan within 5 business days of receipt.

Do not perform work that generates hazardous waste residue until the work plan has been authorized.

Correct any rejected work plan and resubmit a corrected work plan within 5 business days of notification by the Engineer. A new review period of 5 business days will begin from date of resubmittal.

14-11.07A(2)(d) Analytical Test Results

Submit analytical test results of the residue from removal of yellow thermoplastic and yellow painted traffic stripe and pavement marking, including chain of custody documentation, for review and acceptance before:

1. Requesting the Engineer's signature on the waste profile requested by the disposal facility
2. Requesting the Engineer obtain an US EPA Generator Identification Number for disposal
3. Removing the residue from the site

14-11.07A(2)(e) U.S. Environmental Protection Agency Identification Number Request

Submit a request for the US EPA Generator Identification Number when the Engineer accepts analytical test results documenting that residue from removal of yellow thermoplastic and yellow painted traffic stripe and pavement marking is a hazardous waste.

14-11.07A(2)(f) Disposal Documentation

Submit documentation of proper disposal from the receiving landfill within 5 business days of residue transport from the project.

14-11.07B Materials

Not Used

14-11.07C Construction

Where grinding or other authorized methods are used to remove yellow thermoplastic and yellow painted traffic stripe and pavement marking that will produce a hazardous waste residue, immediately contain and collect the removed residue, including dust. Use a HEPA filter-equipped vacuum attachment operated concurrently with the removal operations or other equally effective approved methods for collection of the residue.

Make necessary arrangements to test the yellow thermoplastic and yellow paint hazardous waste residue as required by the disposal facility and these special provisions. Testing must include:

1. Total lead by US EPA Method 6010B
2. Total chromium by US EPA Method 6010B
3. Soluble lead by California Waste Extraction Test (CA WET)
4. Soluble chromium by CA WET
5. Soluble lead by Toxicity Characteristic Leaching Procedure (TCLP)
6. Soluble chromium by TCLP

From the first 220 gal of hazardous waste or portion thereof if less than 220 gal of hazardous waste are produced, a minimum of 4 randomly selected samples must be taken and analyzed individually. Samples must not be composited. From each additional 880 gal of hazardous waste or portion thereof if less than 880 gal are produced, a minimum of 1 additional random sample must be taken and analyzed. Use chain of custody procedures consistent with chapter 9 of US EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW-846) while transporting samples from the project to the laboratory. Each sample must be homogenized before analysis by the laboratory performing the analyses. A sample aliquot sufficient to cover the amount necessary for the total and the soluble analyses must then be taken. This aliquot must be homogenized a 2nd time and the total and soluble analyses run on this aliquot. The homogenization process must not include grinding of the samples. Submit the name and location of the disposal facility that will be accepting the hazardous waste and the analytical laboratory along with the testing requirements not less than 5 business days before the start of removal of yellow thermoplastic and yellow painted traffic stripe and pavement marking. The analytical laboratory must be certified by the State Water Resources Control Board (SWRCB) Environmental Laboratory Accreditation Program (ELAP) for all analyses to be performed.

After the Engineer accepts the analytical test results, dispose of yellow thermoplastic and yellow paint hazardous waste residue at a Class 1 disposal facility located in California under the requirements of the disposal facility operator within 30 days after accumulating 220 pounds of residue and dust.

If less than 220 pounds of hazardous waste residue and dust is generated in total, dispose of it within 30 days after the start of accumulation of the residue and dust.

The Engineer will sign all manifests as the generator within 2 business days of receiving and accepting the analytical test results and receiving your request for the US EPA Generator Identification Number. Use a transporter with a current DTSC registration certificate and that is in compliance with the CHP BIT Program when transporting hazardous waste.

14-11.07D Payment

Payment for a lead compliance plan is not included in the payment for environmental stewardship work.

If analytical test results demonstrate that the residue is a non-hazardous waste and the Engineer agrees, dispose of the residue at an appropriately permitted CA Class II or CA Class III facility. The Department does not adjust payment for this disposal.

BID ITEM LIST
12-0N5404

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
1	070030	LEAD COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
2	080050	PROGRESS SCHEDULE (CRITICAL PATH METHOD)	LS	LUMP SUM	LUMP SUM	
3	090100	TIME-RELATED OVERHEAD (WDAY)	WDAY	330		
4	120090	CONSTRUCTION AREA SIGNS	LS	LUMP SUM	LUMP SUM	
5	120100	TRAFFIC CONTROL SYSTEM	LS	LUMP SUM	LUMP SUM	
6	120110	FLASHING ARROW SIGN	EA	2		
7	120120	TYPE III BARRICADE	EA	21		
8	120165	CHANNELIZER (SURFACE MOUNTED)	EA	130		
9	128652	PORTABLE CHANGEABLE MESSAGE SIGN (LS)	LS	LUMP SUM	LUMP SUM	
10	129000	TEMPORARY RAILING (TYPE K)	LF	2,100		
11	129100	TEMPORARY CRASH CUSHION MODULE	EA	36		
12	129150	TEMPORARY TRAFFIC SCREEN	LF	2,100		
13	130100	JOB SITE MANAGEMENT	LS	LUMP SUM	LUMP SUM	
14	130300	PREPARE STORM WATER POLLUTION PREVENTION PLAN	LS	LUMP SUM	LUMP SUM	
15	130310	RAIN EVENT ACTION PLAN	EA	23	500.00	11,500.00
16	130320	STORM WATER SAMPLING AND ANALYSIS DAY	EA	8		
17	130330	STORM WATER ANNUAL REPORT	EA	2	2,000.00	4,000.00
18	130530	TEMPORARY HYDRAULIC MULCH (BONDED FIBER MATRIX)	SQYD	5,230		
19	029412	TEMPORARY CHECK DAM (TYPE 2)	LF	60		
20	130620	TEMPORARY DRAINAGE INLET PROTECTION	EA	2		

BID ITEM LIST
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Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
41	150841	REMOVE SEWER PIPE	LF	24		
42	151251	SALVAGE IRRIGATION FACILITY	LS	LUMP SUM	LUMP SUM	
43	151538	RECONSTRUCT CHAIN LINK RAILING	LF	60		
44	153103	COLD PLANE ASPHALT CONCRETE PAVEMENT	SQYD	1,800		
45	153140	REMOVE CONCRETE SIDEWALK (SQYD)	SQYD	540		
46	153221	REMOVE CONCRETE BARRIER	LF	980		
47	029417	REMOVE BARRIER SLAB	SQFT	6,810		
48	029418	REMOVE TUBULAR HANDRAILING	LF	980		
49	157560	BRIDGE REMOVAL (PORTION)	LS	LUMP SUM	LUMP SUM	
50	160102	CLEARING AND GRUBBING (LS)	LS	LUMP SUM	LUMP SUM	
51	190101	ROADWAY EXCAVATION	CY	27,200		
52 (F)	192037	STRUCTURE EXCAVATION (RETAINING WALL)	CY	6,078		
53 (F)	193013	STRUCTURE BACKFILL (RETAINING WALL)	CY	7,487		
54 (F)	193031	PERVIOUS BACKFILL MATERIAL (RETAINING WALL)	CY	269		
55	029419	DISPLACEMENT MONITORING PROGRAM	LS	LUMP SUM	LUMP SUM	
56	198010	IMPORTED BORROW	CY	40,400		
57	200114	ROCK BLANKET	SQFT	20,700		
58	202006	SOIL AMENDMENT	CY	58		
59	BLANK					
60	202039	SLOW-RELEASE FERTILIZER	LB	480		

BID ITEM LIST
12-0N5404

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
121	846009	8" THERMOPLASTIC TRAFFIC STRIPE (ENHANCED WET NIGHT VISIBILITY)	LF	1,220		
122	850101	PAVEMENT MARKER (NON-REFLECTIVE)	EA	150		
123	850111	PAVEMENT MARKER (RETROREFLECTIVE)	EA	970		
124	860090	MAINTAINING EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS DURING CONSTRUCTION	LS	LUMP SUM	LUMP SUM	
125	860400	LIGHTING (TEMPORARY)	LS	LUMP SUM	LUMP SUM	
126	860401	LIGHTING	LS	LUMP SUM	LUMP SUM	
127	029427	TEMPORARY LIGHTING (CITY OF COSTA MESA)	LS	LUMP SUM	LUMP SUM	
128	029428	LIGHTING (CITY OF COSTA MESA)	LS	LUMP SUM	LUMP SUM	
129	029429	LIGHTING (CITY OF IRVINE)	LS	LUMP SUM	LUMP SUM	
130	029430	ELECTRIC SERVICE (IRRIGATION) (CITY OF COSTA MESA)	LS	LUMP SUM	LUMP SUM	
131	860930	TRAFFIC MONITORING STATION	LS	LUMP SUM	LUMP SUM	
132	BLANK					
133	141120	TREATED WOOD WASTE	LB	1,210		
134	210110	IMPORTED TOP SOIL (CY)	CY	1,500		
135	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

TOTAL BID:

\$
