

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

OFFICE ENGINEER

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February 26, 2016

08-Riv-215-22.3/43.2

08-1C4004

Project ID 0812000326

ACNHPI-215-1(238)E

Addendum No. 5

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN RIVERSIDE COUNTY AT VARIOUS LOCATIONS FROM ROMOLAND FLOOD CONTROL CHANNEL TO ROUTE 60/91/215 SEPARATION to revise the project plans and the *Notice to Bidders and Special Provisions* and the *Bid* book

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 Thursday, March 3, 2016.

Project plan sheets 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27 and 28 are replaced and attached for substitution for the like-numbered sheets.

In the Special Provisions, Section 14-11.11 is replaced as attached.

In the *Bid* book, in the "Bid Item List," Item 4 is replaced.

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.

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

Inform subcontractors and suppliers as necessary.

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

http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/08/08-1C4004

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,



JOHN BULINSKI
District Director

Attachments

Replace section 14-11.11 with:

14-11.11 MANAGEMENT OF ASBESTOS-CONTAINING MATERIALS IN BRIDGES

14-11.11A General

14-11.11A(1) Summary

Section 14-11.11 includes specifications for surveying, sampling and analysis of asbestos-containing material (ACM) in bridges. The Department removes identified ACM, requiring removal for bridge removal or renovation work to proceed, through the use of other forces.

14-11.11A(2) Definitions.

asbestos: Any of several minerals that readily separate into long flexible fibers. Includes chrysotile, amosite, crocidolite, tremolite, anthrophyllite, actinolite and any of these minerals that has been chemically treated, altered, or both.

asbestos-containing material (ACM): Building material, including asbestos cement pipe, containing commercial asbestos in an amount greater than 1 percent by weight, area, or count under 40 CFR §61.145.

certified asbestos consultant: Asbestos consultant certified by Cal/OSHA under 8 CA Code of Regs § 341.15 and § 1529.

friable ACM: Material containing more than 1 percent asbestos as determined by Polarized Light Microscopy (PLM) that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure as defined in 22 CCR §66261.24.

nonfriable ACM: Material containing more than 1 percent asbestos by area with asbestos fibers that:

1. Are tightly bound into the matrix of the material
2. Should not become an airborne hazard as long as the material remains intact and undamaged and is not sawed, sanded, drilled or otherwise abraded during removal

regulated asbestos-containing material (RACM) as defined under 40 CFR §61.145(b): Material containing more than 1 percent of any of the following in excess of 260 linear ft., 160 sq. ft., or 35 cu. ft.:

1. Friable asbestos, as determined using PLM, that can be crumbled, pulverized, or reduced to powder by hand pressure when dry
2. Category I nonfriable ACM that has become friable or will be subjected to sanding, grinding, cutting or abrading
3. Category II nonfriable ACM that may become or has become friable

14-11.11A(3) Submittals

14-11.11A(3)(a) Asbestos Survey and Sampling Work Plan

Submit a work plan for asbestos surveying, sampling, and analysis for bridges shown before starting bridge removal or renovation. The plan must be prepared and signed by a certified asbestos consultant and include:

1. ACM sampling procedures, complying with US EPA, SW-846, "Test Methods for Evaluating Solid Waste," Volume II: Field Manual, Physical/Chemical, Chapter 9, Section 9.1
2. Method for analyzing samples under 40 CFR 763 Subpart F, appendix A, Polarized Light Microscopy, Analytical Method 600/R-93-116

3. Name and address of the laboratory that will perform the asbestos analyses and a copy of the laboratory's CDPH Environmental Laboratory Accreditation Program (ELAP) certification
4. Procedures for handling and preserving samples
5. Safety measures including:
 - 5.1 Identification of personnel who will survey and sample areas suspected to contain asbestos
 - 5.2 Description of hazards that will be encountered
 - 5.3 Description of personal protective equipment
 - 5.4 Description of safe survey and sampling practices for protection of survey personnel and others present at the job site
 - 5.5 Description of decontamination procedures
 - 5.6 Certification of completed safety training for personnel who will survey and sample areas suspected to contain asbestos

14-11.11A(3)(b) Asbestos Survey and Sampling Report

Submit a sampling and analysis report within 10 days of sampling ACM. The report must be prepared and signed by a certified asbestos consultant and include:

1. Sampling protocols
2. Photographs of the structures and of the locations where samples were taken
3. Classification of the ACM as friable or nonfriable
4. Quantification of ACM
5. Recommendations for the removal and disposal of confirmed ACM
6. Documentation of the chain of custody
7. Laboratory test data

Allow 15 days for review. Submit a revised sampling and analysis report within 5 days of receiving the Department's comments. Submit 2 copies of the final report.

14-11.11A(3)(c) Air Quality Management District or Air Pollution Control District Notification

Submit a copy of the NESHAP Notification of Demolition and Renovation form and attachments before submittal to the Air Quality Management District (AQMD) or Air Pollution Control District (APCD) under 40 CFR §61.145(b).

14-11.11A(4) Quality Control and Assurance

Thorough inspection of the bridge, including concrete and other suspect material is required under 40 CFR. The person in charge of the asbestos survey and sampling must be a CAC. The laboratory that performs the asbestos analysis must be certified by the CDPH ELAP for all analyses to be performed.

Sampling and analysis must comply with US EPA's "Asbestos/NESHAP Regulated Asbestos Containing Materials Guidance."

A certified asbestos consultant must be registered under Labor Code § 6501.5 and certified under Bus & Prof Code § 7058.6.

14-11.11B Materials

Not Used

14-11.11C Construction

14-11.11C(1) General

Notify the APCD or AQMD of changes in work locations or conditions such as changes to removal or demolition plans, including discovery of unanticipated ACM during demolition, within 2 days of the change.

14-11.11C(2) Asbestos Survey

Perform surveying, sampling, and analysis of ACM under the authorized work plan.

Collect a minimum of 3 samples for each part of the bridge where ACM is suspected to be present. Sampling locations include deck concrete, railing shims, bearing pads, joint seal mastics, and premolded expansion joint filler. For pipes and other linear parts, collect enough samples to determine the suspected asbestos content of the material.

Collect samples of:

1. Exposed suspected ACM on the structure
2. Bridge concrete that will be disturbed during demolition or renovation. Identify concrete samples by:
 - 2.1. Concrete color
 - 2.2. Concrete texture
 - 2.3. Type of structure component to be impacted
3. Suspected ACM encapsulated in concrete when exposed during demolition

Transport ACM samples under chain of custody to the authorized laboratory within 24 hours of sampling. The laboratory must test the samples within 48 hours of receiving them.

14-11.11C(3) ACM Identified in the Asbestos Survey and Sampling Report

The Department removes any ACM identified in the authorized sampling and analysis report. Do not begin bridge removal or renovation until the Department authorizes the report and the Engineer notifies you that identified ACM has been removed from the job site or planned removal has been incorporated into the schedule.

Any delay caused by the removal of ACM is an excusable delay.

14-11.11C(3) Discovery of Unanticipated ACM

If during demolition or renovation you discover ACM not identified by your asbestos survey, stop work in that area and notify the Engineer.

14-11.11D Payment

Not Used

BID ITEM LIST
08-1C4004

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	120090	CONSTRUCTION AREA SIGNS	LS	LUMP SUM	LUMP SUM	
3	120100	TRAFFIC CONTROL SYSTEM	LS	LUMP SUM	LUMP SUM	
4	120120	TYPE III BARRICADE	EA	20		
5	120165	CHANNELIZER (SURFACE MOUNTED)	EA	40		
6	128651	PORTABLE CHANGEABLE MESSAGE SIGN (EA)	EA	15		
7	130100	JOB SITE MANAGEMENT	LS	LUMP SUM	LUMP SUM	
8	130200	PREPARE WATER POLLUTION CONTROL PROGRAM	LS	LUMP SUM	LUMP SUM	
9	140003	ASBESTOS COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
10	141103	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	LF	12,500		
11	150100	PUBLIC SAFETY PLAN	LS	LUMP SUM	LUMP SUM	
12	150714	REMOVE THERMOPLASTIC TRAFFIC STRIPE	LF	22,000		
13	150715	REMOVE THERMOPLASTIC PAVEMENT MARKING	SQFT	1,090		
14	150722	REMOVE PAVEMENT MARKER	EA	2,400		
15	045179	SAW CUT HINGE	LS	LUMP SUM	LUMP SUM	
16	045180	CLEAN EXISTING BRIDGE DECK DRAINAGE SYSTEM	LF	185		
17	153225	PREPARE CONCRETE BRIDGE DECK SURFACE	SQFT	470,562		
18 (F)	153233	TREAT BRIDGE DECK	SQFT	470,562		
19	153234	FURNISH BRIDGE DECK TREATMENT MATERIAL	GAL	5,881		
20	511118	CLEAN EXPANSION JOINT	LF	1,392		