

**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF ENGINEERING SERVICES**  
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February 10, 2010

03-Sac-5501  
 03-2C8444

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for BUILDING CONSTRUCTION IN SACRAMENTO COUNTY IN SACRAMENTO AT THE TRANSPORTATION LABORATORY AT 5900 FOLSOM BOULEVARD.

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 Tuesday, March 9, 2010.

This addendum is being issued to revise the Project Plans, the Notice to Bidders and Special Provisions, and the Bid book.

Project Plan Sheets 45, 46, 51, 92, 93, 94, 95, 96, 98, 99, 100, 101, 103, 105, 120, 125, 126, 129, 130, 132, 134, 135, 136, 137, 139 and 142 are revised. Copies of the revised sheets are attached for substitution for the like-numbered sheets.

In the Notice to Bidders, the notice "No prebid meeting is scheduled for this project." is revised as follows:

"A pre-bid walkthrough for all General Contractors and Subcontractors will be held at the Department of Transportation (Caltrans), Transportation Laboratory Facility (Translab), Main Building Auditorium, 5900 Folsom Boulevard, Sacramento, CA 95819, on Wednesday, February 17, 2010 at 10:00 a.m. All prospective General Contractor and Subcontractor bidders are strongly encouraged to attend the pre-bid walkthrough. DBVE Subcontractors are encouraged to attend and meet the General Contractors planning to bid this project.

The pre-bid walkthrough will provide an opportunity for prospective bidders to walk the Project, and become familiar with the work and work areas to help in preparing their bids. No inquiries will be answered during the meeting. Contractors may submit written inquiries to the State Representative (or Engineer present) only at the conclusion of the meeting.

A representative from the District 3 Bidder's Inquiry Desk will be present at the walkthrough."

In the Special Provisions, Section 5-1.09, "SUPPLEMENTAL PROJECT INFORMATION," the following is added to the table:

Available for inspection at the District Office	Cross Sections
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In the Special Provisions, Section 10-1.13, "EXISTING HIGHWAY FACILITIES, subsection "EARTH MATERIAL CONTAINING LEAD" is added after the first paragraph, as attached.

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In the Special Provisions, Section 12-2.02, "LEAD RELATED CONSTRUCTION WORK," is revised as attached.

In the Special Provisions, Section 12-15.02, "PIPE, FITTING AND VALVES," subsection "PART 2-PRODUCTS," sub-subsection "MISCELLANEOUS ITEMS," the following paragraph is added after the last paragraph:

"Integral Cleanout Floor Drain: Floor drain shall be integral cleanout type, cast iron body and flashing collar, adjustable nickel bronze 6-inch strainer head with seepage openings and caulk or no-hub outlet. Floor drain shall be J.R. Smith, 2040; Zurn, Z-56; or equal."

In the Special Provisions, Section 12-15.08, "HEATING, VENTILATING AND AIR CONDITIONING EQUIPMENT AND SYSTEMS," subsection "PART 2-PRODUCTS," sub-subsection "FANS AND VENTILATORS," the last paragraph is deleted.

In the Special Provisions, Section 12-16.03, "ELECTRICAL EQUIPMENT," subsection "PART 2-PRODUCTS," sub-subsection "SWITCHES," the eleventh, thirteenth and fourteenth paragraphs are deleted.

In the Bid book, in the "Bid Item List," Item 25 is added as attached.

To Bid book holders:

Replace page 4 of the "Bid Item List" in the Bid book with the attached revised page 4 of the Bid Item List. The revised Bid Item List is to be used in the bid.

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.

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

Submit bids in the Bid 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 addendum and attachments are available for the Contractors' download on the Web site:

**[http://www.dot.ca.gov/hq/esc/oe/project\\_ads\\_addenda/03/03-2C8444](http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/03/03-2C8444)**

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,

ORIGINAL SIGNED BY

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

Attachments

## **EARTH MATERIAL CONTAINING LEAD**

### **General**

This work includes handling earth material containing lead under the Standard Specifications and these special provisions.

### **Submittals**

Submit a lead compliance plan under Section 7-1.07, "Lead Compliance Plan," of the Standard Specifications.

### **Project Conditions**

Lead is present in earth material within the project limits at average concentrations below 1,000 mg/kg total lead and below 5 mg/l soluble lead. Earth material within the project limits:

1. Is not a hazardous waste
2. Does not require disposal at a permitted landfill or solid waste disposal facility

Lead is typically found within the top 2 feet of material in unpaved areas of the highway.

### **Construction**

Handle earth material containing lead under all applicable laws, rules, and regulations, including those of the following agencies:

1. Cal/OSHA
2. CA Regional Water Quality Control Board, Region 5
3. CA Department of Toxic Substances Control
4. Sacramento County Environmental Health Department

If earth material is disposed of:

1. Dispose of under Section 7-1.13, "Disposal of Material Outside the Highway Right of Way," of the Standard Specifications
2. Obtain the receiving property owner's acknowledgment of lead concentration disclosure in the written authorization for disposal
3. You are responsible for any sampling and analysis required by the receiving property owner

If you choose to dispose of earth material at a commercial landfill:

1. Transport it to a Class III or Class II landfill appropriately permitted to receive the material
2. You are responsible for identifying the appropriately permitted landfill to receive the earth material and for all associated trucking and disposal costs including any sampling and analysis required by the receiving landfill.

### **Measurement and Payment**

Full compensation for handling earth material containing lead is included in the contract unit price paid per cubic yard for roadway excavation, and no additional compensation will be allowed therefor.

## **12-2.02 LEAD RELATED CONSTRUCTION WORK**

### **PART 1 - GENERAL**

#### **SUMMARY**

This section includes specifications for lead related construction work.

If lead containing materials (LCM) will be disturbed in order to perform the work for this project, any disturbance of LCM must comply with the regulations. Apply the most stringent requirements if there is a conflict or overlap of requirements.

The results of the lead containing materials (LCM) inspection and lead dust wipe sample inspection conducted at Translab Supply Building A-56 are contained in the surveys "Lead (Pb) Paint Sample Results" and "Lead (Pb) Dust Wipe Sample Results," prepared by Wildhaber Consulting. These surveys provide information on the materials and substrates that were tested, and the results. Copies of the reports are included in the Information Handout.

Notify the Engineer immediately if:

Construction activities, other than those already described in the work plan, will or may disturb LCM identified in the LCM survey report.

LCM, not previously identified in the LCM survey report, are discovered during construction activities.

#### **DEFINITIONS**

Regulations: All Federal, State, and local codes, regulations, laws, and requirements.

#### **SUBMITTALS**

Baseline Study and Clearance Inspection Report:

Submit baseline study, including analytical test results, at least 5 business days before performing any lead related construction work. Allow 3 business days for review.

Submit clearance inspection report, including analytical test results, at the conclusion of all lead related construction work.

Work Plans:

1. For construction work that will disturb LCM or lead dust, submit a work plan that includes:
  - a. Schedule, phasing, description, and location of activities that will disturb LCM or lead dust. Include starting and completion dates.
  - b. Summary of techniques to be used for complying with the regulations
  - c. Methods for complying with the requirements in "Methods of compliance" under 8 CA Code of Regs § 1532.1. Include a written compliance program.
  - d. Medical surveillance program under 8 CA Code of Regs § 1532.1, or certify that one is not required
  - e. Respiratory protection program under 8 CA Code of Regs § 5144, or certify that one is not required
  - f. Personnel monitoring procedures
  - g. Documentation of required employee training, including required medical examinations, respirator fit test records, and certifications, for all individuals who will perform this work
  - h. Standard procedures for protecting workers, visitors, and employees and protection of spaces outside the work area from contamination

- i. Methods of protecting heating, ventilation, and air conditioning systems, if applicable for this project
- j. Locations of required signage and hygiene facilities
- k. Federal, State, and local agencies that require notification
- l. Identification of responsible parties and emergency contacts
- m. Names, addresses, phone numbers, and certifications for the analytical laboratory, waste transport firm, and disposal facility to be used
- n. Worker roster, including name, address, and telephone number of each worker, who will be used for each phase or location of work
- o. Contractor and worker qualifications
- p. Name, address, and telephone of subcontractors who will perform this work
- q. Final clearance inspection criteria

Submit the work plan to the Engineer for review at least 15 days before performing any lead related construction work. Allow 5 business days for review.

Correct any rejected work plan and resubmit a corrected work plan within 5 business days of notification by the Engineer, at which time a new review period of 5 business days will begin.

Do not perform any lead related construction work until the work plan has been accepted by the Engineer. The Engineer's review and acceptance does not waive any contract requirements and does not relieve you from complying with the regulations..

2. For lead containing construction debris that is determined to be a hazardous waste, submit a work plan that includes:
  - a. Summary of methods and techniques to be used for complying with the regulations for handling, packaging, storing, transporting, and disposing of the hazardous lead containing construction debris
  - b. Contractor and worker qualifications
  - c. Hazardous waste sampling protocol and QA/QC requirements and procedures
  - d. Qualifications of sampling personnel
  - e. Analytical results, including lab that performed the analyses
  - f. Name, address, phone number, U.S. EPA identification number, and DTSC Registered Hazardous Waste Transporters registration number for the waste transport firm. Include method of transportation
  - g. Name, address, phone number, certification, U.S. EPA identification number, and class of the disposal facility to be used

Submit the work plan to the Engineer for review at least 5 business days before handling, packaging, storing, transporting, or disposing of any hazardous lead containing construction debris. Allow 3 business days for review.

Correct any rejected work plan and resubmit a corrected work plan within 2 business days of notification by the Engineer, at which time a new review period of 3 business days will begin.

Do not store, transport, or dispose of any hazardous lead containing construction debris until the work plan has been accepted by the Engineer. The Engineer's review and acceptance does not waive any contract requirements and does not relieve you from complying with the regulations.

Worker Roster: An updated worker roster must be submitted and approved before any worker, not on the current roster, performs any work. Allow 3 business days for review.

Notifications: Submit copies of all required notifications.

Analytical Test Results of Lead Containing Construction Debris:

Submit analytical test results of lead containing construction debris, including chain of custody documentation, for review and acceptance, at least 2 business days before:

1. Requesting that the Engineer obtain an EPA ID number, if applicable
2. Requesting the Engineer's signature on the waste profile requested by the disposal facility, if applicable
3. Removing any of the debris from the job site

U.S. Environmental Protection Agency Identification Number Request: If applicable for this project, submit a request for the U.S. EPA ID number.

Hazardous Waste Manifest: If applicable for this project, submit a copy of the hazardous waste manifest for each shipment of hazardous asbestos containing waste.

Disposal Documentation: Submit documentation from disposal facility indicating proper disposal of all hazardous and non-hazardous lead containing construction debris, within 5 business days of transporting the debris from the job site.

Certificate of Compliance: At the conclusion of lead related construction work, submit a certificate of compliance stating that the work has been performed in compliance with the regulations and these special provisions.

Final Records:

Submit copies of final records indicating that the lead related construction work has been performed in compliance with the regulations and these special provisions, including:

1. Records of any worker protection monitoring performed
2. Daily progress logs
3. List of workers who performed any lead related construction work. Include name and any required certifications for each worker.
4. Permits and approvals obtained

Lead Awareness Training: Submit descriptive information for the lead awareness training.

## **QUALITY CONTROL AND ASSURANCE**

Follow all regulations, including:

State:

1. 8 CA Code of Regs § 1532.1. Lead
2. 8 CA Code of Regs § 5144. Respiratory Protection
3. 17 CA Code of Regs
4. 22 CA Code of Regs, Division 4.5. Environmental Health Standards For The Management Of Hazardous Waste

Local:

1. Follow all local regulations applicable to the project location.

Qualifications:

All work must be performed by competent persons trained, knowledgeable, qualified, and certified in lead related construction work, including removal, demolition, handling, and disposal.

All analytical testing must be performed by an analytical laboratory certified by the California Department of Public Health Environmental Laboratory Accreditation Program.

The following items must be prepared, signed, and stamped by a lead professional currently certified by the California Department of Public Health (CDPH) Lead-Related Construction Program:

1. Baseline study
2. All work plans
3. Written compliance program
4. Clearance inspection report

Lead Awareness Training: You must provide 8 hours of lead awareness training, complying with the provisions in 8 CA Code of Regs § 1532.1. Lead and 8 CA Code of Regs § 5194. Hazard Communication, for a maximum of 4 Department personnel.

**Preconstruction Meeting:**

Before performing any lead related construction work, attend a preconstruction meeting with your subcontractors and their competent person, key personnel, and field supervisors, who will be performing or overseeing the work. Plan to discuss the following:

1. Approved work plan for the disturbance of LCM
2. Approved work plan for hazardous lead containing construction debris, if applicable for this project
3. Other submittals
4. "Field Quality Control" requirements specified herein

The Engineer will determine the time and location of the meeting.

**PART 2 – PRODUCTS (Not applicable)**

**PART 3 - EXECUTION**

**GENERAL**

Notify the Engineer at least 15 days before performing any lead related construction work.

Perform lead related construction work in compliance with the approved work plans for the disturbance of LCM, and for hazardous lead containing construction debris.

Only workers listed on the roster in the approved work plan must be used to perform the work.

Minimize disturbance of LCM that are to remain in place.

**LEAD CONTAINING CONSTRUCTION DEBRIS**

Sample, analyze, handle, package, store, transport, and dispose of all lead containing construction debris in compliance with the regulations. Apply the most stringent requirements if there is a conflict or overlap of requirements.

**Waste Analysis:**

A waste analysis must be performed on the lead containing construction debris.

Sampling and analysis of the lead containing construction debris, for hazardous waste identification purposes, must comply with both the requirements of EPA Publication SW-846, "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," and the disposal facility.

**Non-Hazardous Lead Containing Construction Debris:** If the results of the waste analysis demonstrate that the lead containing construction debris is a non-hazardous waste and the Engineer accepts the results, dispose of the debris at an appropriately permitted disposal facility under Section 7-1.13, "Disposal of Material Outside the Highway Right of Way," of the Standard Specifications.

**Hazardous Lead Containing Construction Debris:** If the results of the waste analysis demonstrate that the lead containing construction debris is a hazardous waste, comply with the following additional requirements:

1. Unless otherwise specified, you will be considered the generator, with respect to 22 CA Code of Regs, Division 4.5. Environmental Health Standards For The Management Of Hazardous Waste.

2. In addition to the labeling and marking requirements in 22 CA Code of Regs §§ 66262.31 and 66262.32, mark labels with:
  - a. Date the hazardous waste was generated
  - b. Composition and physical state of the hazardous waste
  - c. Contractor or subcontractor name
  - d. Contract number
  - e. Name, address, and telephone number of the Engineer
3. If containers are stored within the job site limits, store them in a secured enclosure. Acceptable secure enclosures include a locked chain link fenced area or a lockable shipping container located within the job site limits.
4. After the Engineer accepts the analytical test results, dispose of the waste at an appropriately permitted hazardous waste disposal facility, located in California, under the requirements of the disposal facility operator, within 30 days of acceptance.
5. The Engineer will obtain the U.S. EPA ID number and will sign all manifests as the generator, within 2 business days of receiving and accepting the analytical test results and your request for the number.

### **FIELD QUALITY CONTROL**

#### **Baseline Study:**

Before performing any lead related construction work prepare a baseline study, consisting of analytical test results, to determine the initial lead concentrations on surfaces in the area where the work will be performed. Take 4 samples at the locations determined by the Engineer.

Samples may include both dust and soil. Dust sampling must comply with the requirements of ASTM E1728 and soil sampling with ASTM E1727.

Analysis of all samples must comply with the requirements of ASTM E1613.

#### **Clearance Inspection Report:**

At the conclusion of lead related construction work prepare a clearance inspection report, consisting of analytical test results, to determine the final conditions in the area where the lead related construction work was performed. Take 4 samples of the same type, and at the same locations and/or surfaces that were tested in the baseline study.

Dust sampling must comply with the requirements of ASTM E1728 and soil sampling with ASTM E1727.

Analysis of all samples must comply with the requirements of ASTM E1613.

The lead concentrations from the samples taken for the clearance inspection report must be less than or equal to those in the baseline study.

#### **Department Inspections:**

At the conclusion of lead related construction work, the Department may perform a clearance inspection. The inspection will include a visual inspection, and dust and/or soil samplings, if applicable.

**BID ITEM LIST**  
**03-2C8444**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21 (F)	750001	MISCELLANEOUS IRON AND STEEL	LB	7,593		
22	840656	PAINT TRAFFIC STRIPE (2-COAT)	LF	1,530		
23	842000	PARKING BUMPER (PRECAST CONCRETE)	EA	49		
24	994650	BUILDING WORK	LS	LUMP SUM	LUMP SUM	
25	190110	LEAD COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	

**TOTAL BID:** \_\_\_\_\_