

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

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Help save water!*

December 30, 2015

10-Sta-99-R11.7/R15.0

10-OY1004

Project ID 1013000268

ACHSNHP-P099(594)E

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN STANISLAUS COUNTY IN AND NEAR CERES FROM NORTH STREET UNDERCROSSING TO TUOLUMNE RIVER BRIDGE, to revise the project plans, the *Notice to Bidders and Special Provisions, Information Handout*, and the Federal Minimum Wages with Modification Number 28 dated 12/18/2015.

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, January 13, 2016.

Project plan sheets 18, 19, 20, 21, and 34 are replaced and attached for substitution for the like-numbered sheets.

Project plan sheet 49A is added and attached for addition to the project plans.

In the *Notice to Bidders and Special Provisions*, in the "STANDARD PLANS LIST," the following Standard Plan is added as follows:

"ES-2A."

In the Special Provisions, Section 2 BIDDING, 2-1.06B Supplemental Project Information, is replaced as attached.

In the Special Provisions, Section 12-4.02A is replaced as attached.

In the Special Provisions, Section 14-11.03 is replaced as attached.

In the Special Provisions, Section 15-3.01 is replaced as follows:

"Delete the 4th paragraph of section 15-3.01 in the RSS for section 15-3.01."

In the Special Provisions, Section 86-2.06 is added as attached.

In the Special Provisions, Section 86-2.09E is replaced as attached.

In the Special Provisions, Section 86-2.11A is replaced as attached.

Addendum No. 1
Page 2
December 30, 2015

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In the Special Provisions, Section 86-6.11 is added as follows:

"Add to section 86-6.11, after 1st paragraph:

Internal conductors for photoelectric control unit must be 600 V(ac), 14 AWG (THHN) stranded machine tool wire. Where subject to flexing, 19 stranded wire must be used."

The *Information Handout* is replaced as attached.

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.

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/10/10-0Y1004

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,



SHARRI BENDER EHLERT
District Director
District 6 Central Region

Attachments

Add between the 1st and 2nd paragraphs of section 2-1.06B:

The Department makes the following supplemental project information available:

Supplemental Project Information

Means	Description
Included in the <i>Information Handout</i>	1) Water Source Information 2) Manufacturer's Drawings for Alternative Flared Terminal System 3) Aerially Deposited Lead Site Investigation Report - State Route 99 Mitchell Road Median Barrier Project 4) Aerially Deposited Lead Site Investigation Report - State Route 99 Kansas Avenue to Tuolumne Boulevard

Add to section 12-4.02A:

Designated holidays are shown in the following table:

Designated Holidays

Holiday	Date observed
New Year's Day	January 1st
President's Day	3rd Monday in February
Memorial Day	Last Monday in May
Independence Day	July 4th
Labor Day	1st Monday in September
Veterans Day	November 11th
Thanksgiving Day	4th Thursday in November
Friday after Thanksgiving	4th Friday in November
Christmas Day	December 25th

If a designated holiday falls on a Sunday, the following Monday is a designated holiday. If November 11th falls on a Saturday, the preceding Friday is a designated holiday.

The special days are: Mother's Day and Easter Weekend including Friday prior.

The maximum length of the work area inside a lane closure other than a one-way-reversing traffic-control lane closure is 1 mile.

Not more than 1 stationary lane closure will be allowed in each direction of travel at one time.

Personal vehicles of your employees must not be parked on the traveled way or shoulders, including sections closed to traffic.

If work vehicles or equipment are parked within 6 feet of a traffic lane, close the shoulder area as described.

Replace section 14-11.03 with:

14-11.03 MATERIAL CONTAINING HAZARDOUS WASTE CONCENTRATIONS OF AERIALY DEPOSITED LEAD

14-11.03A General

14-11.03A(1) Summary

Section 14-11.03 includes specifications for hazardous waste management while excavating, stockpiling, transporting, placing, and disposing of material containing hazardous waste concentrations of aerially deposited lead (ADL).

ADL is present within the project limits.

14-11.03A(2) Definitions

Type Y-1: Material that contains ADL in average concentrations (using the 90 percent Upper Confidence Limit) of 1.5 mg/L or less extractable lead (based on a modified waste extraction test using deionized water as the extractant) and 1,411 mg/kg or less total lead. This material is a California hazardous waste that may be reused as permitted under the variance of the DTSC provided that the lead contaminated soil is placed a minimum of 5 feet above the maximum historic water table elevation and covered with at least 1 foot of non-hazardous soil.

Type Y-2: Material that contains ADL in average concentrations (using the 90 percent Upper Confidence Limit) that exceed either 1.5 mg/L extractable lead (based on a modified waste extraction test using deionized water as the extractant) or 1,411 mg/kg total lead but are less than 150 mg/L extractable lead (based on a modified waste extraction test using deionized water as the extractant) and less than 3,397 mg/kg of total lead. This material is a California hazardous waste that may be reused as permitted under the variance of DTSC provided that the lead contaminated soil is placed a minimum of 5 feet above the maximum historic water table elevation and protected from infiltration by a pavement structure which will be maintained by the Department.

Type Z-2: Material that contains ADL in average concentrations (using the 95 percent Upper Confidence Limit) greater than or equal to 1,000 mg/kg total lead, greater than or equal to 5.0 mg/L soluble lead (as tested using the California Waste Extraction Test), and the material is surplus; or material that contains ADL in average concentrations greater than 150 mg/L extractable lead (based on a modified waste extraction test using deionized water as the extractant) or greater than 3,397 mg/kg total lead. This material is a Department-generated California hazardous waste and must be transported to and disposed of at a California Class I disposal site.

Type Z-3: Material that contains ADL in average concentrations (using the 95 percent Upper Confidence Limit) greater than 5.0 mg/L soluble lead, (as tested using the Toxicity Characteristic Leaching Procedure). This material is a Department-generated federal hazardous waste and must be transported to and disposed of at a California Class I disposal site.

14-11.03A(3) Site Conditions

ADL concentration data and sample locations maps are included in the *Information Handout*.

Type Z-2 material exists between 5 and 10 feet, measured horizontally from the edges of existing pavement, from PM R11.7 to PM R15.0, and from a depth of 0 and 1.0 feet below existing grade, as shown.

14-11.03A(4) Submittals 14-11.03A(4)(a) Lead Compliance Plan

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

Include perimeter air monitoring incorporating upwind and downwind locations as shown or as authorized. Monitor with personal air samplers using National Institute of Safety and Health Method 7082. Sampling must achieve a detection limit of 0.05 µg/ m³ of air per day. Conduct daily monitoring while clearing and grubbing and performing earthwork operations. Analyze a single representative daily sample for lead. Analyze the sample and provide results to the Engineer within 24 hours. Analyses must be performed by a laboratory accredited by the Environmental Lead Laboratory-Accreditation Program of the American Industrial Hygiene Association. Average lead concentrations must not exceed 1.5 µg/ m³ of air per day and 0.15 µg/ m³ per day on a rolling 90-day basis. Calculate average daily concentrations based on monitoring to date, and projection based on those monitoring trends for the next 90 days or to the end of work subject to the lead compliance plan if less than the specified averaging period. If concentrations exceed these levels stop work and modify the work to prevent release of lead. Monitor under the direction of a CIH. The air monitoring data must be reviewed by and signed by the CIH.

14-11.03A(4)(b) Excavation and Transportation Plan

Within 14 days after approval of the Contract, submit 3 copies of an excavation and transportation plan. Allow 7 days for review. If revisions are required, as determined by the Engineer, submit the revised plan within 7 days of receipt of the Engineer's comments. For the revision, allow 7 days for the review. Minor changes to or clarifications of the initial submittal may be made and attached as amendments to the excavation and transportation plan. In order to allow construction to proceed, the Engineer may conditionally approve the plan while minor revisions or amendments are being completed.

Prepare the written, project specific excavation and transportation plan establishing the procedures you will use to comply with requirements for excavating, stockpiling, transporting, and placing or disposing of material containing ADL. The plan must comply with the regulations of the DTSC and Cal/OSHA and the requirements of the variance. The sampling and analysis portions of the excavation and transportation plan must meet the requirements for the design and development of the sampling plan, statistical analysis, and reporting of test results contained in US EPA, SW 846, "Test Methods for Evaluating Solid Waste," Volume II: Field Manual Physical/Chemical, Chapter Nine, Section 9.1. The plan must include the following elements:

1. Excavation schedule by location and date
2. Temporary locations of stockpiled material
3. Dust control measures
4. Transportation equipment and routes
5. Method for preventing spills and tracking material onto public roads
6. Truck waiting and staging areas
7. Site for disposal of hazardous waste
8. Example of bill of lading to be carried by trucks transporting Type Y-1 or Y-2, material. The bill of lading must include:
 - 8.1. US Department of Transportation (US DOT) description including shipping name
 - 8.2. Hazard class
 - 8.3. Identification number
 - 8.4. Handling codes
 - 8.5. Quantity of material
 - 8.6. Volume of material
9. Spill Contingency Plan for material containing ADL

14-11.03A(4)(c) Burial Location Report

Not Used

14-11.03A(4)(d) Bill of Lading

Copies of the bills of lading must be submitted as an informational submittal up on the final delivery material its final location.

Copies of the bills of lading must be submitted as an informational submittal upon placement of Type Y-1 or Y-2 material in its final location.

14-11.03A(5) Quality Control and Assurance

Excavation, reuse, and disposal of material with ADL must comply with rules and regulations of the following agencies:

1. US DOT
2. US EPA
3. California Environmental Protection Agency
4. CDPH
5. DTSC
6. Cal/OSHA
7. California Department of Resources Recycling and Recovery
8. RWQCB, Region 5S, Central Valley
9. California Air Resources Board
10. San Joaquin Valley Air Quality Management District

Transport and dispose of material containing hazardous levels of lead under federal and state laws and regulations and county and municipal ordinances and regulations. Laws and regulations that govern this work include:

1. Health & Safety Code, Division 20, Chp 6.5 (California Hazardous Waste Control Act)
2. 22 CA Code of Regs, Div. 4.5 (Environmental Health Standards for the Management of Hazardous Waste)
3. 8 CA Code of Regs

14-11.03B Materials

Not Used

14-11.03C Construction

14-11.03C(1) General

Not Used

14-11.03C(2) Material Management

Transport excavated Type Z-2 material using:

1. Hazardous waste manifest
2. Hazardous waste transporter with a current DTSC registration certificate and CA Highway Patrol (CHP) Biennial Inspection of Terminals (BIT) Program compliance documentation.

14-11.03C(3) Dust Control

Excavation, transportation, placement, and handling of material containing ADL must result in no visible dust migration. A water truck or tank must be on the job site at all times while clearing and grubbing or performing earthwork operations in work areas containing ADL. Apply water to prevent visible dust.

14-11.03C(4) Surveying Type Y-1 or Y-2 Material Burial Locations

Not Used

14-11.03C(5) Material Transportation

Before traveling on public roads, remove loose and extraneous material from surfaces outside the cargo areas of the transporting vehicles and cover the cargo with tarpaulins or other cover, as outlined in the approved excavation and transportation plan. You are responsible for costs due to spillage of material containing lead during transport.

14-11.03C(6) Disposal

Analyze surplus material for the lead content before removing the material from within the project limits. Submit a sampling and analysis plan and the name of the analytical laboratory at least 15 days before beginning sampling and analysis. Use a SWRCB ELAP-certified laboratory. Sample at a minimum rate of 1 sample for each 200 cu yd of surplus material and test for lead using US EPA Method 6010B or 7000 series.

14-11.03D Payment

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

The Department does not pay for stockpiling of material containing ADL, unless the stockpiling is ordered. The Department does not pay for sampling and analysis unless it is ordered. The Department does not pay for additional sampling and analysis required by the receiving landfill.

Sampling, analyses, and reporting of results for surplus material not previously sampled is change order work.

Add to section 86-2.06A(1) of the RSS for section 86-2.06, after the 1st paragraph:

Cover marking must be as follows:

1. *SERVICE* for service circuits between service point and service disconnect
2. *SERVICE IRRIGATION* for circuits from service equipment enclosure to irrigation controller
3. *SERVICE BOOSTER PUMP* for circuits from service equipment enclosure to the booster pump
4. *TDC POWER* for circuits from service equipment enclosure to telephone demarcation cabinet
5. *LIGHTING* for lighting system
6. *SIGN ILLUMINATION* for sign illumination system
7. *SIGNAL AND LIGHTING* for signal and lighting system
8. *RAMP METER* for ramp metering system
9. *TMS* for traffic monitoring station
10. *FLASHING BEACON* for flashing beacon system
11. *CMS* for changeable message sign system
12. *INTERCONNECT* for interconnect conduit and cable system

Replace 8th & 9th paragraphs of section 86-2.09E with:

Splices must be insulated by "Method B."

Use Method B as follows:

1. Cover the splice area completely with an electrical insulating coating and allow it to dry.
2. Apply 3 layers of half-lapped 80 mils PVC tape.
3. Apply 2 layers of 120 mils Butyl rubber stretchable tape with liner.
4. Apply 3 layers of half-lapped 6 mils PVC pressure-sensitive adhesive tape.
5. Cover the entire splice with an electrical insulating coating and allow it to dry.

Add to section 86-2.11A:

Circuit breakers must be the cable-in/cable-out type mounted on non-energized clips. All circuit breakers must be mounted vertically with the up position of the handle being the "ON" position.

Replace 7th and 8th paragraphs of section 86-2.11A with:

Service equipment enclosures must be manufactured from stainless steel.

Add to section 86-2.11A, after 5th paragraph:

The main and neutral busses of the enclosure must be made of tin-plated copper and rated for 125 A and be suitable for copper or aluminum conductors.

Identify each circuit breaker and component by description using an engraved phenolic nameplate.

The nameplate must be installed using stainless steel rivets or screws:

1. Adjacent to the breaker on the dead front panel. The characters must be a minimum of 1/8 inch high.
2. Adjacent to the component on the back panel. The characters must be a minimum of 1/8 inch high.
3. At the top exterior of the door panel. The nameplate must include the system number, voltage, and number of phases engraved in a minimum 3/16-inch-high characters.

A plastic-laminated wiring diagram must be attached inside the enclosure with brass eyelets by a UL listed or NRTL certified method.

Locate the foundation such that the minimum clearance around the front and back of the enclosure complies with NEC, Article 110.26, "Spaces About Electrical Equipment" (600 V, nominal or less).

The meter area must have a sealable, lockable, weathertight cover that can be removed without the use of tools.

Service equipment enclosure must be factory wired.

The dead front panel on a Type III service equipment enclosure must have a continuous stainless steel or aluminum piano hinge. This panel or dead front panel must be secured with a latch or captive screws. No live part must be mounted on this panel or dead front panel.

The enclosures must be rated NEMA 3R and include a dead front panel and a hasp with a 7/16-inch-diameter hole for a padlock.

If a Type III enclosure houses a transformer of more than 1 kVA, the enclosure must have an effective screened ventilation louvers of no less than 50 sq. in for each louver. The framed screen must be stainless no. 304 with a no. 10 size mesh and secured with at least 4 bolts.

The fasteners on the exterior of an enclosure must be vandal-resistant and not removable. The exterior screws, nuts, bolts, and washers must be stainless steel.

Landing lugs must be sized for the incoming service utility conductors, be compatible with either copper or aluminum conductors and be copper or tin-plated aluminum. Live parts of the electrical equipment must be guarded against accidental contact.

The interior of the enclosure must accept plug-in circuit breakers. A minimum of 6 standard single pole circuit breakers, 3/4" nominal, must be provided for branch circuits. Circuit breakers for a service equipment enclosure must have interior made of copper.

For Type III-A, -B, and -C enclosures, the meter socket must be a 5-clip type and the landing lug must be suitable for multiple conductors.

For Type III-D enclosure, the meter socket must be a 7-clip type and the landing lug must be suitable for multiple conductors. The pedestal must comply with the Electric Utility Service Equipment Requirements Committee (EUSERC) drawing no. 308 or 309.

Install a grounding electrode for each cabinet, service equipment enclosure, and transformer. Attach a grounding conductor from the electrode to the equipment using either a ground clamp or exothermic weld. Connect the other end to the cabinet, service equipment enclosure and transformer.