

Memorandum

*Serious drought.
Help Save Water!*

To: GIRAMALDI
Environmental Planning

Date: February 14, 2018

File: 05-171-1H430K
0516000073
05-SB-101- 21.1/22.1
San Jose Creek Bridge
Replacement

From:  JOEL KLOTH
Environmental Engineering

Subject: Response to hazardous waste request for ISA.

No field review was conducted for the project to replace the San Jose Creek Bridge on Highway 101 between post miles 21.1 to 22.1 in Santa Barbara County. A search of the Geotracker and Envirostor databases maintained by the Regional Water Quality Control Board and Department of Toxic Substance Control Board did not show any sites that will impact the bridge replacement project. Following is a PEAR level discussion regarding typical hazardous waste issues that could affect this project.

Aerially deposited lead (ADL) – ADL might be an issue if this project includes soil excavation. If soil is being excavated and placed elsewhere in the project limits or disposed of outside of the highway right of way, then a task order will need to be written to have soil sampling performed. This must be done in order to document the soil lead concentrations so this material can be properly handled and disposed. Since it is possible that the soil might contain lead in excess of regulatory limits, include a cost estimate of \$200 per cubic yard to dispose of excess soil as a hazardous waste unless the soil can be reused within the project limits in accordance with the terms of the Department of Toxic Substance Soil Management Agreement for Aerially Deposited Lead-Contaminated Soils. Since soil is being disturbed, a bid item must be included for a Lead Compliance Plan (LCP). Use a cost estimate of \$2,000.00 for this item.

Naturally occurring asbestos (NOA) - NOA will not be an issue on this project since NOA does not occur in the project area.

Asbestos containing materials (ACM), lead containing paint (LCP) - The San Jose Creek Bridge will have to be inspected for asbestos containing material and lead containing paint. A task order will need to be written to have these inspections performed.

Treated wood waste (TWW) – If TWW will be replaced as part of any guardrail reconstruction then include SSP 14-11.14 for proper management of the TWW.

Yellow thermoplastic or traffic stripe – If yellow stripe or thermoplastic is going to be removed it will need to be managed differently depending on its age and the way it will be removed. Some of the yellow traffic stripe in this segment of Highway 101 may be newer yellow stripe that does not contain lead. The SSP's for any recent projects that placed yellow stripe on this portion of Highway 101 should be reviewed to verify that lead free yellow stripe was used. If this can be verified, that it will be appropriate to include SSP 84-9.03C that requires preparation of a lead compliance plan but does not require the stripe debris to be disposed of as a hazardous waste.

If it cannot be determined if lead free yellow stripe was used or if some of the alignment has older yellow paint that the lead content cannot be determined then SSP 14-11.12 must be included to collect the residue and determine if it needs to be disposed of as a hazardous waste. If the stripe is going to be removed as part of a cold plane or grinding operation where the stripe is being removed with the asphalt concrete, then use SSP 36-4.

Regardless of which SSP is included, a bid item will need to be included for a lead compliance plan. Use \$2,000.00 for the bid cost estimate. Only one lead compliance plan is required for this project.

Please program the following hours for Unit 171 for hazardous waste evaluations of this project:

16 hours of WBS code 150.20.10 to complete the Initial Site Assessment.

160 hours of WBS code 165.10.85 to complete the Preliminary Site Investigation for ADL, ACM and LCP.

160 hours of WBS code 235.10. to complete the Preliminary Site Investigation for ADL, ACM and LCP in case enough information is not available to perform this work during the environmental document phase.

16 hours of WBS code 255.05 to review and complete the hazardous waste PS&E.

16 hours of WBS code 280 for hazardous waste technical support for construction.

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Please include a figure of **\$25,000.00** for consultant costs for the preliminary site investigation. If consultant hours are included in lieu of using a cost, then use an estimate of **168 consultant hours**. These cost or hours should be included in **BOTH the 165 and 235 phases** since we do not know when we will have enough information from Design to perform this work.

It will take from 4-6 months to complete the preliminary site investigation once we have sufficient information from design to perform this work and once the "0" phase of the project is opened.

This determination is based on the plans and narrative provided June 6, 2016. Please submit a supplemental request for a hazardous waste assessment to cover the changes in the project if there is a change in the nature or scope of the project.

If you have any questions or comments, please contact Joel Kloth at 549-3196.

c:

Krista Kiaha - Environmental Planning (by email only)

Lisa Lowerison - Project Management (by email only)