

Memorandum

Date: Friday, February 26, 2021

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To: **AARON DANIELS**
Project Engineer

From: **ALAMJIT MANGAT**
Office of Environmental Engineering - South (OEES)
District 3 - Hazardous Waste

Subject: Hazardous Waste Initial Site Assessment (ISA)

The purpose of this project is to improve multimodal mobility on the 1-80 and US-50 corridors in Solano, Yolo, and Sacramento Counties. This project will decrease congestion through the corridor and the effects congestion has on transit and freight. It will improve transit headway times, reliability, access, and viability through the corridor. This project will also increase people throughput by increasing transit, bicycle/pedestrian, and carpool use. The project will also address non-recurrent congestion caused by incidents, including collisions, by improving incident detection, verification, response and clearing.

The project has various alternatives as discussed in the Project Report.

The project locations:

- YOL 050, PM 0 to PM 3.2
- SAC 080, PM M0 to PM M1.4
- SAC 050, PM L0 to PM L.6
- YOL 080, PM 0 to PM R11.7
- SOL 080, PM 40.8 to PM R44.7
- YOL 080, PM 5.8 to PM 6.4

ISA Conclusions:

I. Naturally Occurring Asbestos (NOA)

A geologic evaluation regarding Naturally Occurring Asbestos (NOA) was conducted within the project limits. This evaluation included a review of geologic maps and reports including data prepared by the California Geological Survey (CGS) and the United States Geological Survey (USGS), previous studies conducted by Caltrans and their consultants. The evaluation **does not** indicate the presence of altered ultramafic bedrock, alluvium derived from ultramafic rock, or rock commonly associated with NOA.

II. Cortese List

The Cortese List a compilation of contaminated sites identified by the State of California – State Water Resource Control Board; active, closed, and inactive landfills identified by the Integrated Waste Management Board; and potential hazardous waste sites identified by the Department of Toxic Substance Control. This list was reviewed as part of the initial screening for this project. The list, or a property's presence on the list, has bearing on the local permitting process as well as on compliance with the California Environmental Quality Act (CEQA). Both the Envirostor and the Geotracker database did not show this area containing any hazardous waste/sources. The proposed project **is not** within or impacting any site on the Cortese List. Cortese sites are nearby, however, the current project scope does not impact Cortese sites.

III. Aerially Deposited Lead / Preliminary Site Investigation

Aerially deposited lead (ADL) from the historical use of leaded gasoline, exists along roadways throughout California. If encountered, soil with elevated concentrations of lead as a result of ADL on the State highway system right of way within the limits of the project will be managed under the July 1, 2016, ADL Agreement between Caltrans and the California Department of Toxic Substances Control.

A preliminary site investigation (PSI) will be required for ADL. Based on results of the PSI, special materials handling, worker health and safety training or regulated soil disposal may be required for construction. It is the Project Engineer's responsibility to request to this unit to proceed and execute a Task Order (TO) that needs to be executed at least 5-6 months prior to PS&E.

Depending on the concentration of ADL as per the PSI, **appropriate SSPs will be required.**

IV. Thermoplastic/Paint Stripe/Pavement Marking

The Contractor is required to properly manage removed stripe and pavement marking and must prepare a project specific **Lead Compliance Plan (LCP)** to prevent or minimize worker exposure to lead while working on and/or handling materials containing lead. Attention is directed to Title 8, California Code of Regulations, Section 1532.1, "Lead," for specific Cal-OSHA requirements when working with lead.

Use one or more of the following if traffic striping removal is required (depending on the method and type of traffic striping removal):

Use **SSP 36-4_ containing lead from paint and thermoplastic** to remove yellow paint or yellow thermoplastic paint during grinding/cold planning and the project will not require the paint or thermoplastic paint to be removed before grinding begins.

and/or

Use **SSP 14-11.12_remove hazardous striping** to remove yellow painted traffic striping and pavement marking.

V. Treated Wood Waste (TWW)

TWW can occur as post along metal beam guard railing (MBGR), thrie beam barrier, piles, or roadside signs. These wood products are typically treated with preserving chemicals that may be

hazardous (carcinogenic) and include but are not limited to arsenic, chromium, copper, creosote, and pentachlorophenol. The Department of Toxics Substances Control (DTSC) requires that TWW either be disposed as a hazardous waste, or if not tested, the generator may presume that TWW is a hazardous waste and must be disposed in an approved treated wood waste facility. Based upon visual survey of the proposed disposal area by Google Earth Street-View Imagery, treated wood waste may be present within the area to be disposed.

If TWW is present, **use SSP 14-11.14_treated wood waste.**

VI. Structural Survey (ACM/LCP) / Preliminary Site Investigation

Asbestos Containing Materials (ACM) and Lead-Containing Paint (LCP) survey is required for any structure proposed to be demolished and/or disturbed. The survey and sampling report must be included in the project's information handout. The structures outlined in the project scope have not been tested for ACM. **Use SSP 14-11.16_Management of ACMs in Bridges.** If additional structures/bridges were to be renovated, worked on, widened or replaced, they would need to be tested for LCP. The structures outlined in the project scope have not been tested for LCP. If LCP is present, **use SSP 14-11.13 Disturbance of Existing Paint Systems on Bridges.**

It is the Project Engineer's responsibility to request to this unit to prepare a Task Order (T O) for the required ACM survey that needs to be executed at least 5-6 months prior to PS&E.

The project will have to fund approximately \$70,000 for the structural survey along with the ADL survey combined. The support costs are 120 hours in Task 235 and 20 hours in Task 255 for Unit #0386.

Structures requiring a survey:

- 1) Br #22-0077 - Richards Blvd OC
- 2) Br #22-0043 - Webster UC
- 3) Br #22-0044 - Yolo Causeway West
- 4) Br #22-0045 - Yolo Causeway East
- 5) Br #22-0100 - Enterprise Blvd UC

VII. NESHAP Notification

The Contractor must prepare demolition/renovation/rehabilitation notification/permit form and attachments to be submitted to the Air Pollution Control District (APCD) or Air Quality Management District (AQMD) as required by the National Emission Standards for Hazardous Air Pollutants (NESHAP) at 40 CFR Part 61, Subpart M, and California Health and Safety Code section 39658(b)(1). **Use SSP 14-9.02_Abestos Notification** (use regardless of Asbestos presence or not if demolishing/disturbing structures). If asbestos is present, an **Asbestos Compliance Plan (ACP)** is required.

VIII. Estimate of cost and bid items that need to be included in the BEES:

- \$3,000 for Lead Compliance Plan
- \$3,000 for Asbestos Compliance Plan (if needed)

- Treated Wood Waste Fees

The project may be constructed without any other SSP's, NSSP's, or restrictions from OEES. If there are any significant changes to the project scope, or if new information is identified, please contact the OEES, as soon as reasonably possible so the significance of the information and the need for additional studies can be assessed. If you have any questions or comments, please feel free to call me at (530) 812-2422 or email me at alamjit.mangat@dot.ca.gov.

cc: Masum Patwary – Environmental Planner (electronic copy)
Doug Coleman – OEES Branch Chief (electronic copy)