

# Memorandum

To: **Michelle Dungan**  
Environmental Planner  
Environmental Analysis

Date: November 24, 2009  
File: 11-SD-5/56  
PM: 1.4/15.3  
EA: 177990

From: **Diane Vermeulen**  
Transportation Engineer  
Environmental Engineering

Subject: **Hazardous Waste ISA Review for 5/56 Managed Lanes, South Corridor Project**

Environmental Engineering has performed an in-house ISA of the potential for hazardous materials for the above referenced corridor project. This ISA included site reconnaissance and records review. The review included a field survey, database search, and review of Geotracker records.

Alternative 2 will impact a Shell gas station located at 3060 Carmel Valley Road, San Diego, with an aerial easement and Alternative 5 will impact this same Shell Station with a construction easement. There is an open case of contamination on this site which has gone to review for closure to the RWQCB but it hasn't been approved for closure yet. Another site adjacent to the Shell site is an open case from a Chevron station that had been acquired by Caltrans to build the initial 5/56 interchange. The contaminants of concern for both cases are petroleum hydrocarbons and fuel oxygenates. These sites are considered low risk since the plume is well delineated and shrinking. Any excavation near these 2 sites may encounter contaminated soil and /or groundwater.

Since groundwater has been documented as being impacted by petroleum hydrocarbons in this area, if groundwater is encountered during subsurface activities in any of the alternatives, a Ground Water Management Plan shall be prepared that would address the notification, monitoring, sampling, testing, handling, storage, and disposal of potentially contaminated groundwater. If hazardous contaminant concentrations are not found in the groundwater, it may be discharged to a storm drain with proper NPDES and/or IWWP permitting. It is recommended that a contingency be retained for the removal and disposal of impacted groundwater.

Aerially Deposited Lead (ADL) will not be a concern on this project. Recent projects in the area have removed the contaminated soil in this portion of the corridor. No special handling of the soil will be necessary.

Lead paint stripe, treated wood posts, are the other hazardous waste related issues to be addressed on this project. Groundwater has been documented as being impacted by petroleum hydrocarbons in several locations near the site.

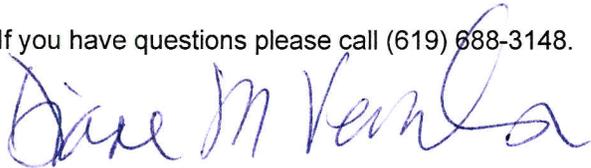
If yellow or white paint striping or yellow or white thermoplastic paint stripe is to be removed by itself, it shall be removed in accordance with Standard Specification (SSP) 15-301 since the existing paint stripe is documented to have been applied after 1997. Lead levels are below hazardous levels. A Lead Compliance Plan shall be prepared for conducting all paint removal activities even if only white paint stripe is removed since lead is still present in the newer yellow stripe and the white paint although it is below hazardous levels.

Treated wood waste (TWW) is wood that has been treated with a chemical preservative, such as the wood posts from the guardrail or existing signage to be removed. The TWW must not be relinquished to the contractor. It must be reused on the job or disposed of at a Class I landfill facility, or alternatively, the treated wood must be disposed at a composite-lined solid waste

landfill facility permitted to accept such wastes. Management of treated wood waste needs to follow Title 22 CA Code of Regulations, Division 4.5, Chapter 34. The Treated Wood Waste SSP 14-010 will be used.

A Compliance Plan shall be prepared to prior to initiation of construction for activities such as guardrail and sign post removal, and paint stripe removal to manage potential health and safety hazards to workers and the public. The Compliance Plan shall describe proper handling methods of the treated wood, and paint material and shall provide information regarding limiting exposure to lead, lead chromate.

If you have questions please call (619) 688-3148.

A handwritten signature in blue ink that reads "Diane M Vermeulen". The signature is fluid and cursive, with the first name "Diane" and last name "Vermeulen" clearly legible.

Diane Vermeulen, PE  
Environmental Engineering

cc: Jayne Dowda