


Memorandum

*Making Conservation
a California Way of Life*

To: MONTASHEEMA AFROZE
BRANCH CHIEF, DESIGN D
ATTN: Mo Ghonim
Transportation Engineer

Date: April 1, 2025

File: 12-ORA- 241 & 133
PM 24.5/35.7
&11.4/13.6
EA 0T7300
EFIS1222000083

From:  RICARDO CARAIG JR., P.E.
Acting Branch Chief
Environmental Engineering

Subject: Revised ESR FOR THE PROJECT 0T730.

We have reviewed the ESR request and Final PID document of the project EA 0T730. The project is located along SR-241 between Portola Parkway (PM 24.5) and Windy Ridge Toll Plaza (PM 35.7) as well as SR-133 between Irvine Blvd (PM 11.4) and SR-241 (PM 13.6). This safety improvement project proposes to replace the remaining 2020 Silverado fire damaged guardrails, drainage facilities, traffic control devices, roadway signs, and electrical systems. In addition, the project proposes to provide drainage improvements and upgrade traffic safety devices to make existing infrastructure more resilient to extreme weather natural disasters.

Air Quality

This project is exempt according to the Table 2 of Code of Federal Regulations (CFR) Title 40 Section 93.126. Project submittal to the Transportation Conformity Working Group (TCWG) for Interagency Consultation is not required. Operational Air Quality analysis is not needed.

Greenhouse gas

The proposed project is exempt from 40 CFR 93.126, thus operational GHG calculation is not needed.

According to Interim guidance: Determining CEQA significance for Greenhouse gas (GHG) emissions for projects on the state highway system, all projects requiring analysis for CEQA involve some level of construction

emissions. Therefore, construction emissions must be quantified, and measures must be incorporated to reduce construction related emissions. Based on the available information, construction GHG emissions is calculated using the Cal-CET 2021 (v 1.03). There would be 476 MT of GHG emission from the project during the construction of this project.

The construction contractor must comply with the Caltrans' Standard Specifications in Section 14-9 (2024) to reduce impacts from construction activities. Section 14-9.02 specifically requires compliance by the contractor with all applicable environmental laws and regulations related to air quality, including air pollution control district and air quality management district regulations and local ordinances.

Energy

The proposed project is not capacity increasing project, thus operational energy consumption is not needed.

Based on the available information, energy consumption during the construction of this project is calculated using the Cal-CET 2021 (v 1.03). There would be energy consumption of 5,603 MMBTU during the construction period.

Noise

The proposed project does not involve addition of lane; thus, according to FHWA 23CFR771, this project does not qualify as a Type I project. The traffic noise study and abatement evaluation are not needed. However, the project would need to comply with Caltrans' Standard Specification 14-8.02 (2024) to control noise during construction.

Hazardous Waste

ISA checklist was prepared to see any historical contamination exist at the project site. No significant potential contamination is found in the project site at present.

ADL

The project involves excavation during repair of guardrail replacement and drainage facilities improvement; ADL investigation is required. Usually there is no regulated ADL material along SR 241 that may cause by the traffic due to the leaded gasoline. However, there is chance of regulated ADL and other metals in soil near the SR 241 and Bee Canyon Access Rd caused by the Orange County Shooting Training Center Area. ADL investigation will be done in the PS&E phase of the project. Design Branch needs to request Environmental Engineering in the early PS&E phase of the project for the ADL investigation with

a plan and excavation details, highlighting the soil disturbance areas and depth of excavation.

Thermoplastic Stripe

The project involves removal/disposal of paint and thermoplastic striping (PTS) during pavement delineation. The yellow pigment for yellow thermoplastic material was banned in 2004. For Yellow traffic stripe paint was banned in 1997. The yellow traffic stripe in this project limit was replaced after the above dates (SR133- EA 0K3904 in 2010; SR241- 0J8404 in 2009; SR241- 0K5904 2011), thus these materials are no longer considered to be hazardous waste.

Treated Wood Waste

The proposed project includes removal of existing wood posts for MGS supports and signposts which contain chemical preservatives. The wood posts are considered treated wood waste (TWW). For the management and disposal of TWW, the contract must follow the DTSC regulation. Specification for the management of TWW will be provided in the design phase of the project.

ACM

Since there will be no concrete pipe disturbances, ACM investigation is not required for this project.

If you have any questions, please contact Mr. Rabindra Bade of my staff at (657) 328-6573, or by electronic mail at rabindra.bade@dot.ca.gov.

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