

PM Conformity Hot Spot Analysis – Project Summary for Interagency Consultation

RTIP ID# (required) LALS06				
TCWG Consideration Date July 20, 2021				
Project Description (clearly describe project) Caltrans District 7 proposes to install a new traffic signal and lighting systems at the intersection of State Route 107 (Hawthorne Blvd) and 238 th Street in the City of Torrance at Post Mile 0.3 in Los Angeles County. The intersection is currently unsignalized. The project proposes signalization at the intersection and also includes the following improvements: <ul style="list-style-type: none"> ▪ Install left turn phasing for both directions of Hawthorne Blvd.; ▪ Upgrade existing crosswalks on the east and west leg of Hawthorne Blvd. to ladder type; ▪ Install yield line pavement markings and R1-5, W11-2, and W16-7P signs in the northbound and southbound Hawthorne Blvd.; ▪ Install R4-7 and OM1-3 signs at both medians; ▪ Refresh yellow paint on nose of both medians; ▪ Install bicycle loops at limit line; and ▪ Construct sidewalk to connect the northeast corner curb ramp and bus stop. 				
Type of Project (use Table 1 on instruction sheet) Intersection Signalization				
County LA	Narrative Location/Route & Postmiles SR-107 (Hawthorne Blvd), Postmile 0.3 Caltrans Projects – EA/EFIS# 4V270/EFIS 0721000088			
Lead Agency: Caltrans				
Contact Person Andrew Yoon	Phone# 213-266-6892	Fax# 213-897-0683	Email andrew.yoon@dot.ca.gov	
Hot Spot Pollutant of Concern (check one or both) PM2.5 <input type="checkbox"/> x PM10 <input checked="" type="checkbox"/>				
Federal Action for which Project-Level PM Conformity is Needed (check appropriate box)				
<input checked="" type="checkbox"/> Categorical Exclusion (NEPA)	<input type="checkbox"/> EA or Draft EIS	<input type="checkbox"/> FONSI or Final EIS	<input type="checkbox"/> PS&E or Construction	<input type="checkbox"/> Other
Scheduled Date of Federal Action: July 30, 2021				
NEPA Assignment – Project Type (check appropriate box)				
<input type="checkbox"/> Exempt	<input checked="" type="checkbox"/> Section 326 – Categorical Exemption	<input type="checkbox"/> Section 327 – Non-Categorical Exemption		
Current Programming Dates (as appropriate)				
	PE/Environmental	ENG	ROW	CON
Start	4/2021	2/2021	8/2021	4/2023
End	10/2022	12/2022	10/2022	12/2023

Project Purpose and Need (Summary): *(attach additional sheets as necessary)*

On October 2, 2019, traffic volume and turning movements data were collected at the SR-107 (Hawthorne Blvd) and 238th intersection. Per 2014 MUTCD Chapter 4C, Traffic Signal Warrant Signal analysis was performed and determined that traffic signal at Hawthorne Blvd and 238th Street intersection was warranted per Warrant 1 (Eight Hour Vehicular Volume) and Warrant 2 (Four Hour Vehicular Volume).

The proposed project improvements are anticipated to improve safety and operation at the Hawthorne Blvd and 238th Street intersection.

Surrounding Land Use/Traffic Generators *(especially effect on diesel traffic)*

Land uses along the project corridor include a mix of residential, parks, and commercial uses with preschool and residential within buffer zone of 500 feet.

Opening Year: Build and No Build LOS, AADT, % and # trucks, truck AADT of proposed facility

SR-107 (Hawthorne Blvd) Opening Year 2023	AADT	Truck Percentage	AM Peak Hour Volume	PM Peak Hour Volume	SR-107/238th St Intersection			
					AM LOS	PM LOS	AM Delay (sec)	PM Delay (sec)
No-Build	60900	2%	3569	3365	C	C	>300	>300
Build	60900	2%	3569	3365	A	A	7.4	9.0

RTP Horizon Year / Design Year: Build and No Build LOS, AADT, % and # trucks, truck AADT of proposed facility

SR-107 (Hawthorne Blvd) Horizon Year 2045	AADT	Truck Percentage	AM Peak Hour Volume	PM Peak Hour Volume	SR-107/238th St Intersection			
					AM LOS	PM LOS	AM Delay (sec)	PM Delay (sec)
No-Build	72500	2.40%	4249	4006	E	D	>300	>300
Build	72500	2.40%	4249	4006	B	B	10.1	12.5

Opening Year: If facility is an interchange(s) or intersection(s), Build and No Build cross-street AADT, % and # trucks, truck AADT

238th Street Opening Year 2023	ADT	Truck Percentage	AM Peak Hour	PM Peak Hour
No-Build	1491	0.6%	144	253
Build	1491	0.6%	144	253

RTP Horizon Year / Design Year: If facility is an interchange (s) or intersection(s), Build and No Build cross-street AADT, % and # trucks, truck AADT

238th Street Horizon Year 2045	ADT	Truck Percentage	AM Peak Hour	PM Peak Hour
No-Build	1775	0.7%	171	301
Build	1775	0.7%	171	301

Describe potential traffic redistribution effects of congestion relief (*impact on other facilities*)

This project consists of installing a new traffic signal with left-turn phasing for both directions along Hawthorne Blvd; upgrading existing crosswalks; installing bicycle loops; constructing sidewalks; and improving lighting system. The proposed project is not anticipated to result in traffic redistribution, but rather is anticipated to improve safety and operation within the project area.

Comments/Explanation/Details (*attach additional sheets as necessary*)

This project is proposed to be included in the "Minor A" Mobility Category of the Operational Improvements Program, State Highway Operation and Protection Program (SHOPP) category 201.310. This Categorical Exclusion (CE)/Categorical Exemption (CE) signalization project is proposed to improve safety and operation at the SR-107 (Hawthorne Blvd) and 238th Street intersection. The projected traffic data at the intersection of SR-107 and 238th Street in 2023 and 2045 indicate that the proposed project is not anticipated to have a significant number of or an increase in the number of diesel vehicles. According to the traffic data for the opening and horizon years, the proposed project is anticipated to improve the Levels of Service at the intersection while the volumes are anticipated to remain unchanged when compared to the No-Build. The proposed project does not meet the criteria in 40 CFR 93.123(b)(1); and it is therefore recommended that the proposed project be concurred as not of air quality concern for particulate matters.

LA-107 (Hawthorne Blvd) and 238th Street (PM 0.265)



DISTRICT 07 LA-107 (Hawthorne Blvd) and 238th Street

PM: 0.265 INTERSECTION

LOG # G193-02570

BY: Minh-Thu Ho

Project Location Map