

PM Conformity Hot Spot Analysis – Project Summary for Interagency Consultation

RTIP ID# (required) RIV121202				
TCWG Consideration Date				
Project Description (clearly describe project) The elevation of the existing Dune Palms Road low-water crossing causes it to flood during minor rain events making it impassable. Therefore, the City of La Quinta has decided to construct a bridge to ensure that all-weather access is maintained. The existing roadway width is 68 feet at the crossing, and consists of one northbound and two southbound through lanes, eight foot wide walkway area along the western edge, an eight foot shoulder along the eastern edge of the road; and no median. The new bridge and roadway will be 86 feet wide and a cross section that includes a six-foot sidewalk on both sides of the bridge, two eight-foot outside shoulders also serving as bike/golf cart lanes, a ten-foot raised median, two eleven-foot travel lanes, and two twelve-foot travel lanes.				
Type of Project (use Table 1 on instruction sheet) Change to existing regionally significant street.				
County Riverside	Narrative Location/Route & Postmiles Dune Palms Road between Hwy 111 & Westward Ho Drive, City of La Quinta			
Caltrans Projects – EA# Local Assistance, Project Federal # BLRKS-5433(014)				
Lead Agency: Local Assistance Program				
Contact Person Edward Tadross, Parsons Brinckerhoff	Phone# 212-465-5266	Fax# N/A	Email tadross@pbworld.com	
Hot Spot Pollutant of Concern (check one or both) PM2.5 x PM10 x				
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:				
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	2014	2015	2016	2017
End	2015	2017	2017	2018

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

The purpose of the project is to replace the existing low-water crossing spanning the Coachella Valley Storm Water Channel (CVSWC) at Dune Palms Road with an all-weather access. The proposed improvements will accomplish the following:

1. Provide safe access across the CVSWC (Whitewater River) during all-weather events
2. Provide reliable route for emergency vehicles, motorists, pedestrians, and bicyclists
3. Achieve the City’s General Plan goals for the corridor

Dune Palms Road serves a vital access for emergency services within the project area, as well as for La Quinta High, John Glenn Middle and Amelia Earhart Elementary Schools. It also provides connectivity between the city residential developments north of the Channel with the Highway 111 commercial corridor located south of the CVSWC.

The CVSWC conveys storm water runoff from the surrounding mountains as well as developed areas within the Coachella Valley. The elevation of the existing Dune Palms Road low-water crossing causes it to flood during minor rain events (2-year frequency) and results in full street closure and detour of both vehicle and pedestrian traffic. In the interest of public health and safety, and in response to community concerns regarding frequent closures of the low-water crossing, the City of La Quinta has determined that replacement of the low-water crossing with a new bridge is needed to ensure that all-weather access is maintained.

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

Dune Palms Road is a secondary arterial in the City of La Quinta that provides a north/south link between residential developments to the north and commercial activity to the south near the Highway 111 corridor.

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

Opening year traffic numbers were not prepared for this project, as the growth of traffic is small and it is not anticipated that opening year traffic would be significantly different from existing year traffic.

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

As shown in Table 1, 2040 AADT and truck percentages do not change between No Build and Build conditions. As shown in Table 2, 2040 LOS and delay does not change between No Build and Build conditions. Delay slightly improves at one location.

TABLE 1 – 2040_AADT and Truck Percentages

Segment	2015 Existing			2040 No Build			2040 Build		
	AADT Total	AADT Trucks	Truck %	AADT Total	AADT Trucks	Truck %	AADT Total	AADT Trucks	Truck %
Dune Palms Road (between Highway 111 and Blackhawk Way/Westward Ho Drive)	7,508	272	3.6%	16,345 00	799,594	4.93.6%	16,345 00	594,799	4.93.6%

TABLE 2 - 2040 Level of Service

Intersection	2015 Existing				2040 No Build				2040 Build			
	AM Peak Hour		PM Peak Hour		AM Peak Hour		PM Peak Hour		AM Peak Hour		PM Peak Hour	
	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS
Dune Palms Road and Blackhawk Way/Westward Ho Drive	19.8	B	15.0	B	205.5 32.25 2	FC	39.74	D	292.13 2.252	FC	39.740 .7	D
Dune Palms Road and Highway 111	27.5	C	31.9	C	119.5 32.5	FC	158.7 46.1	ED	119.53 2.5	FC	158.74 6.1	ED

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<p>Opening Year: If facility is an interchange(s) or intersection(s), Build and No Build cross-street AADT, % and # trucks, truck AADT Facility is not an interchange or intersection.</p>
<p>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 Facility is not an interchange or intersection.</p>
<p>Describe potential traffic redistribution effects of congestion relief (<i>impact on other facilities</i>) Traffic does not change between No Build and Build conditions. As such, no potential redistribution of traffic effects are anticipated.</p>
<p>Comments/Explanation/Details (<i>attach additional sheets as necessary</i>) This project involves the replacement of a low water crossing for safety reasons. Although one travel lane will be added to the new bridge, the project will not be affecting AADT, truck percentages, or LOS in the project area. Furthermore, the AADT (both total and truck) on Dune Palms Road are well below what EPA defines as significant in the Transportation Conformity Guidance. The project does not involve any other facilities with significant numbers of diesel vehicles.</p>