



Contra Costa County
Public Works
Department

Port Chicago Highway / Willow Pass Road Bike and Pedestrian Project

For the Air Quality Conformity Task Force

Presented by

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Contra Costa County Public Works

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PROJECT DESCRIPTION

- Construct 1400 linear feet of sidewalk and bike lane improvements
- Reconfigure the intersection of Port Chicago Highway (PCH) and Willow Pass Road (WPR) in Bay Point
- Remove the free right turn and construct a dedicated right turn lane on WPR
- Reconstruct 500 feet of shoulder for second northbound lane

STATUS

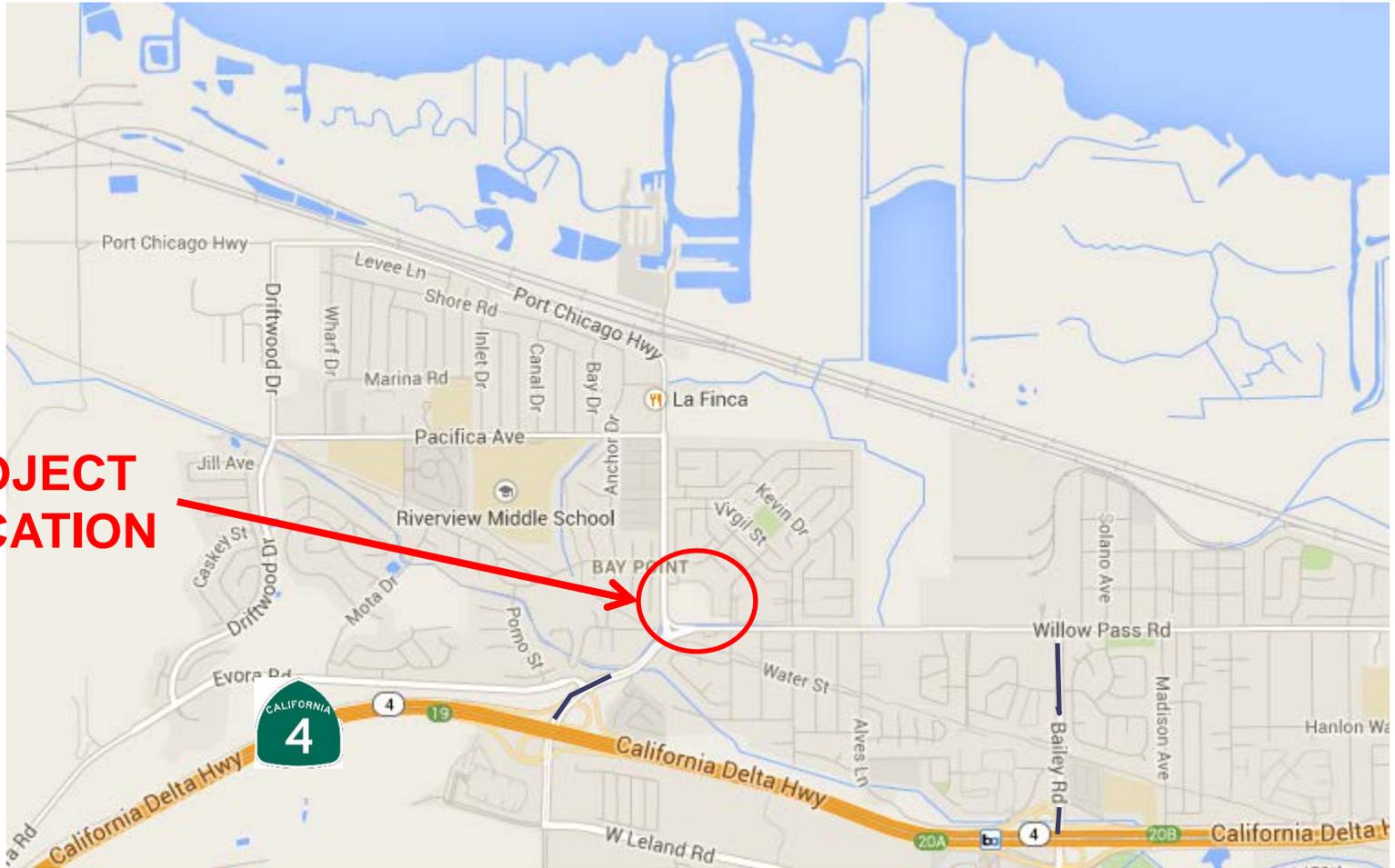
- Project in preliminary engineering
- NEPA process is almost complete
- Construction scheduled for 2016

PURPOSE & NEED

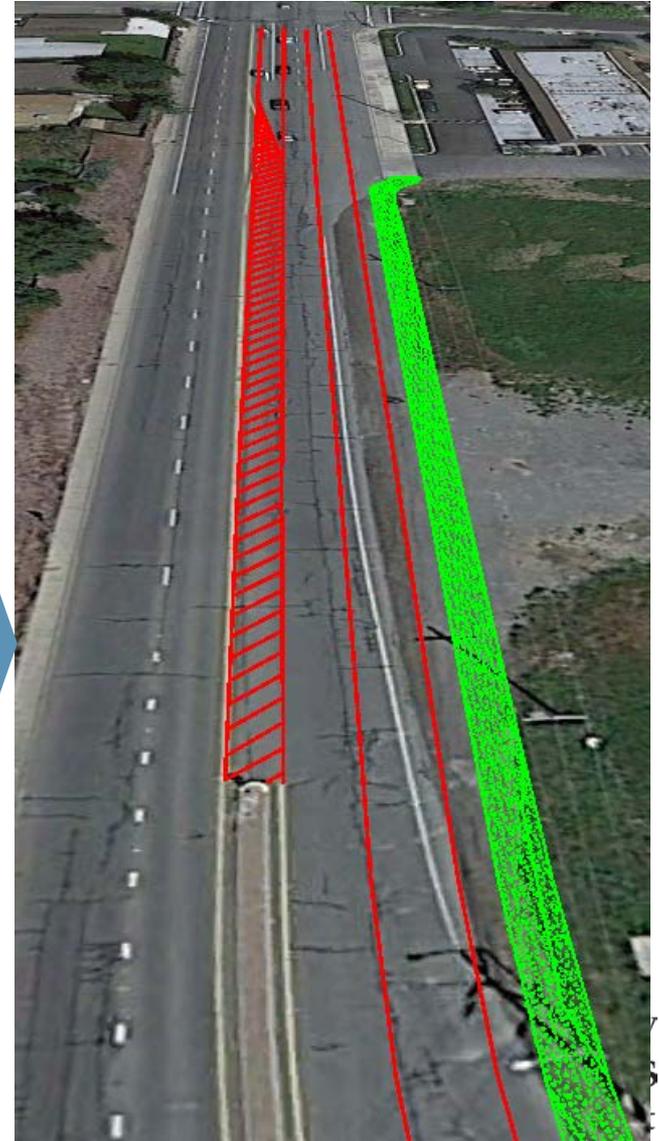
- Improve bicycle and pedestrian safety and access by providing sidewalk and Class II bike lanes along PCH and WPR. The project area is in the vicinity of three schools and the De Anza Regional Trail which connects to the Bay Point BART Station

OVERVIEW MAP

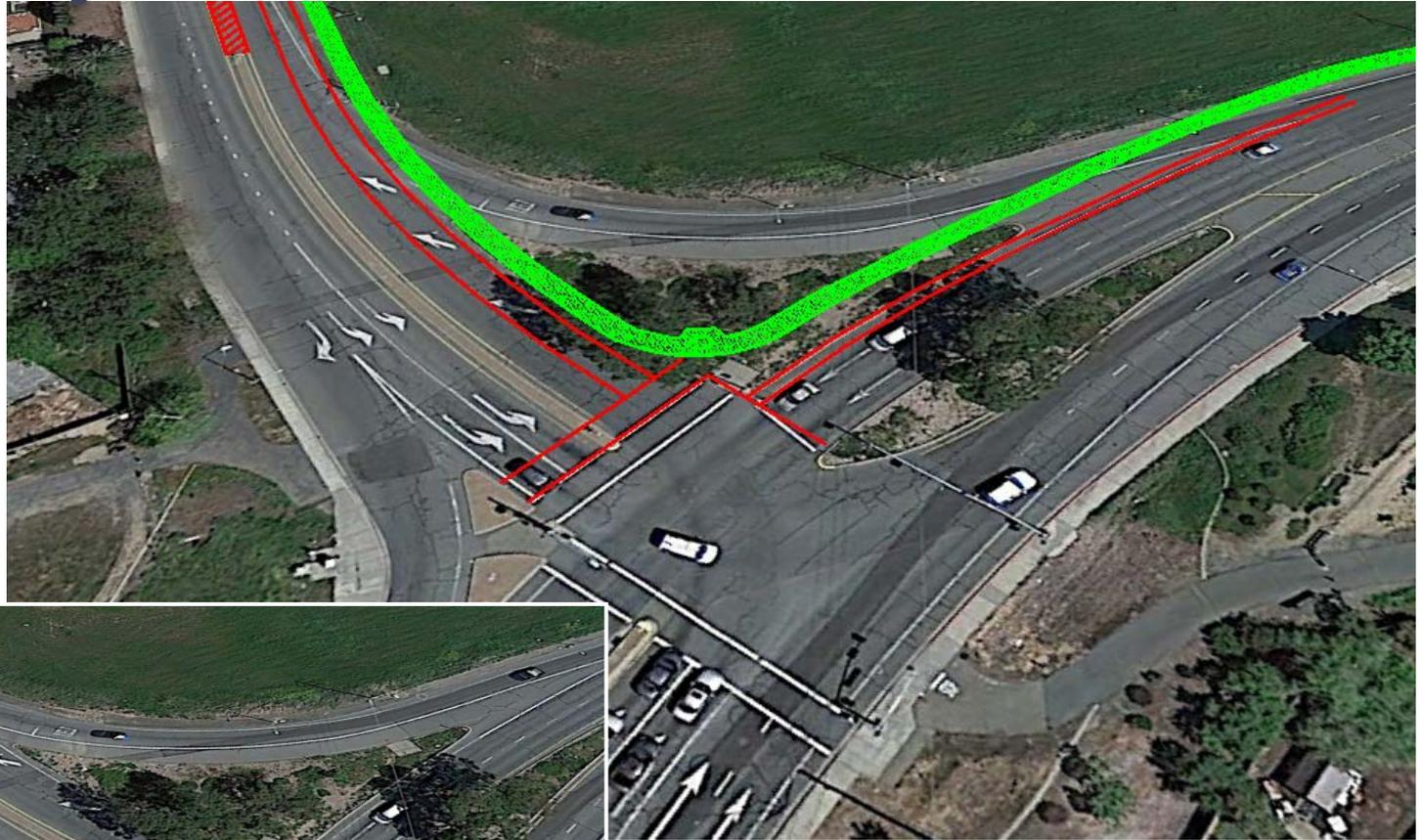
**PROJECT
LOCATION**



Project Exhibits



Project Exhibits



TRAFFIC VOLUMES

- AVERAGE DAILY TRIPS (ADT)

SECTION OF INTERSECTION	EXISTING (CCTA 2010)	PROJECTED (CCTA 2040)
East Leg of Intx. (WPR)	19000	34000
West Leg of Intx. (WPR)	23700	39000
Port Chicago Highway	14000	15900

LEVEL OF SERVICE (LOS)

- Existing intersection configuration is at LOS B with 3% heavy vehicle for pre- and post-project conditions.
- RTP design project is 2040 with an intersection LOS D with 3% heavy vehicle for pre- and post- project conditions.

LEVEL OF SERVICE (LOS)

Existing Intersection Levels of Service Port Chicago Highway and Willow Pass Road Intersection					
Scenario	Movement	AM Peak Hour		PM Peak Hour	
		Delay (sec/vehicle)	LOS	Delay (sec/vehicle)	LOS
With free westbound right-turn lane (current conditions)	All (Intersection)	15.4	B	12.4	B
	Westbound right-turn lane	0.0	A	0.0	A
Separate westbound right-turn lane (in lieu of free right)	All (Intersection)	15.9	B	13.2	B
	Westbound right-turn lane	9.2	A	12.7	B

Source: DKS Associates (see attached LOS calculation summaries)

2040 Intersection Levels of Service Port Chicago Highway and Willow Pass Road Intersection					
Scenario	Movement	AM Peak Hour		PM Peak Hour	
		Delay (sec/vehicle)	LOS	Delay (sec/vehicle)	LOS
With free westbound right-turn lane (current conditions)	All (Intersection)	50.3	D	10.4	B
	Westbound right-turn lane	0.0	A	0.0	A
Separate westbound right-turn lane (in lieu of free right)	All (Intersection)	49.5	D	10.5	B
	Westbound right-turn lane	7.8	A	11.0	B

Source: DKS Associates (see attached LOS calculation summaries)

NOT A PROJECT OF AIR QUALITY CONCERN

- Promoting walking and cycling with new sidewalk and bike lane connections
- Improving safer roadway conditions
 - Removal of the free right turn
 - Controlled right turn movement
 - Widening narrow portion of roadway
- No direct impact on traffic volumes