

JUSTIFICATION FOR CHANGES TO COMPLETE STREETS FACILITIES (PROJECT INITIATION)

DISTRICT 12

EA: 12-OU670

SHOPP ID: 23661

COUNTY: ORANGE ROUTE: 55

PROJECT POSTMILES: T2.3/R6.4

PHASE: PID (PROJECT INITIATION)

APPROVED BY: MARLON FLOURNOY, PLANNING & MODAL PROGRAMS DEPUTY
DIRECTOR, SIGNED JULY 23, 2026

Complete Streets Scope:

Bikeway Conflict Zone Green Paint – 2 (each)
Enhanced Crosswalks – 649 Linear Feet

Project Summary:

This is a State Highway Operation and Protection Program (SHOPP) Project with pavement preservation as the anchor asset that also includes improvements to bridge, drainage systems, bicycle green conflict zone striping, lighting, upgrades to median barriers, Full Trash Capture (FTC) devices, and upgrades facilities to Americans with Disabilities Act (ADA) standards. This project is in Orange County from 0.1 mile south of Bay Street (PM T2.3) overcrossing to the Main Street undercrossing on State Route (SR) 55 (PM R6.4). At Project Initiation, bike facilities, conflict zone green striping, ladder crosswalks, and the relocation of trees were proposed. After project team and local agency coordination, it was proposed to implement two segments of conflict zone green striping and 649 linear feet of ladder crosswalk as part of this project scope.

Justification:

Bike Lane Buffer

- The part of Paularino Avenue within State right-of-way consists of a 6-foot right shoulder (existing bike lane) with no left shoulder. Based on Highway Design Manual (HDM) Index 301.1, the inside through lanes and left turn lanes can be reduced to 11' to provide 1.5' bike lane buffers on each side. However, it would result in the provision of non-standard shoulders (HDM Index 302.1). As this feature is violating the standards for shoulders, the bike lane buffers on Paularino Avenue are considered not feasible.

Crosswalk

- Project EA 12-OR32U will install ladder crosswalks at the Baker Street southbound on-ramp, and Paularino Avenue northbound on-ramp, which is to be completed in February 2028. Project EA 12-OU670 will also provide additional ladder crosswalks at Bristol Street, Baker Street, and Paularino Avenue based on the needs identified by the Project Development Team.

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Bike-Friendly Inlet Grate

- Field visit findings found that a bike-friendly inlet grate was already installed along the eastbound portion of Paularino Avenue.

Tree Relocation:

- The relocation of trees north of Fairview Road is not feasible because they are located outside of Caltrans right of way. Performing this work would require coordination with the City of Costa Mesa for right of way acquisition. This would delay project delivery and increase overall project costs.