

State Route 47-Vincent Thomas Bridge/Harbor Boulevard-Front Street Interchange Improvement Project

Sponsors: Port of Los Angeles

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Project Location: City of Los Angeles-Port of Los Angeles

Project Scope:

- Removal of the existing westbound SR 47/Vincent Thomas (VT) Bridge off-ramp with Harbor Boulevard, which eliminates an unsafe and highly congested weave, with high truck volumes
- Construction of new westbound SR 47/VT Bridge off-ramp (north of Bridge) with Front Street; including a new traffic signal that enables consolidation of two, closely spaced intersections
- Realignment of existing eastbound SR 47/VT Bridge on-ramp from Harbor Boulevard further to the west to increase eastbound merge length by 325 feet and reduce grade by 1.2%; both of which improves safety and traffic operations, especially given high truck volume (25%-40%)
- Modification of the eastbound off-ramp/auxiliary lane from I-110 connector and Gaffey Street to provide two lanes to the off-ramp, with the interior lane as a shared thru/off-ramp lane

Project Cost:

Total Project Cost: \$ 60,355,000 Total TCEP Request: \$ 13,383,000

Project Schedule:

PA&ED:	PS&E:	RTL:	R/W:	Beg CON:	End CON:
07/01/2017	10/31/2021	12/30/2021	10/20/2021	06/01/2022	05/31/2025

Project Benefits:

- Net present value benefit of \$144,089,000; benefit-cost ratio = 3.9
- Reduces vehicle (autos & trucks) delay & travel time by 5,630 vehicle-hours/day on National Highway Freight Network (NHFN) - Primary Highway Freight System (PHFS) routes
- Improves traffic operating conditions (levels of service) on the NHFN-PHFS
- Reduces accident potential due to reduced VHT & elimination of non-standard merges/weaves
- Reduce emissions in the San Pedro and Wilmington communities, which are State designated "Disadvantaged/Low Income Communities" and also two of the State's highest ranked communities in the California Communities Environmental Health Screening Tool (CalEnviroScreen 3.0, 2018)