











PROJECT SCHEDULE

	Begin	End	
Scoping	Fall 2017	Summer 2018	
PE/Environmental	Summer 2018	Summer 2020	
Final Design	Summer 2020	Fall 2022	
Right-of-Way	Summer 2020	Fall 2022	
Construction	Spring 2023	Fall 2025	

NOTE:

Project schedule subsequent to the preliminary engineering/environmental phase is contingent on funding availability for future phases.













PROJECT COST ESTIMATE

	\$ x 1,000
Planning /Scoping	\$1,000
PE/Environmental	\$5,250
Final Design (PS&E)	\$12,000
Right-of-Way	\$17,250
Construction	\$118,300 to \$138,500
TOTAL ESTIMATE	\$153,900 to \$174,000

NOTE:

Construction estimate is projected to the mid-year of construction, 2023.













PURPOSE & NEED

PURPOSE - The purposes of the project are to:

- Improve traffic operations and safety by improving accessibility and enhancing mobility to the Industrial Technology and Innovation (ITI) Corridor.
- Provide safe bicycle and pedestrian connections through the interchanges.

NEED - Capacity and Transportation Demand, and Accessibility to Local Destination

The I-880/Whipple Road-Industrial Parkway Southwest interchange currently operates at or over capacity.

- Northbound off-ramp demand exceeds capacity for the approach.
- Hayward's population is predicted to increase 17% by 2035.
- Traffic forecasts predict northbound off-ramp traffic to increase by approximately 30% in the morning (AM) and 12% during the evening (PM) peak hour by 2035.

The I-880/Industrial Parkway West interchange is an incomplete interchange:

• Lacks northbound off-ramp to Industrial Parkway West, forcing local traffic to exit at Whipple Road interchange.

NEED - Model Interrelationships and System Linkages

- The project area lacks dedicated bicycle facilities that cross I-880 including Whipple Road or Industrial Parkway West.
- South side of Whipple Road lacks a sidewalk and the sidewalk along the north side is narrow and does not meet Americans with Disabilities Act (ADA) standards.

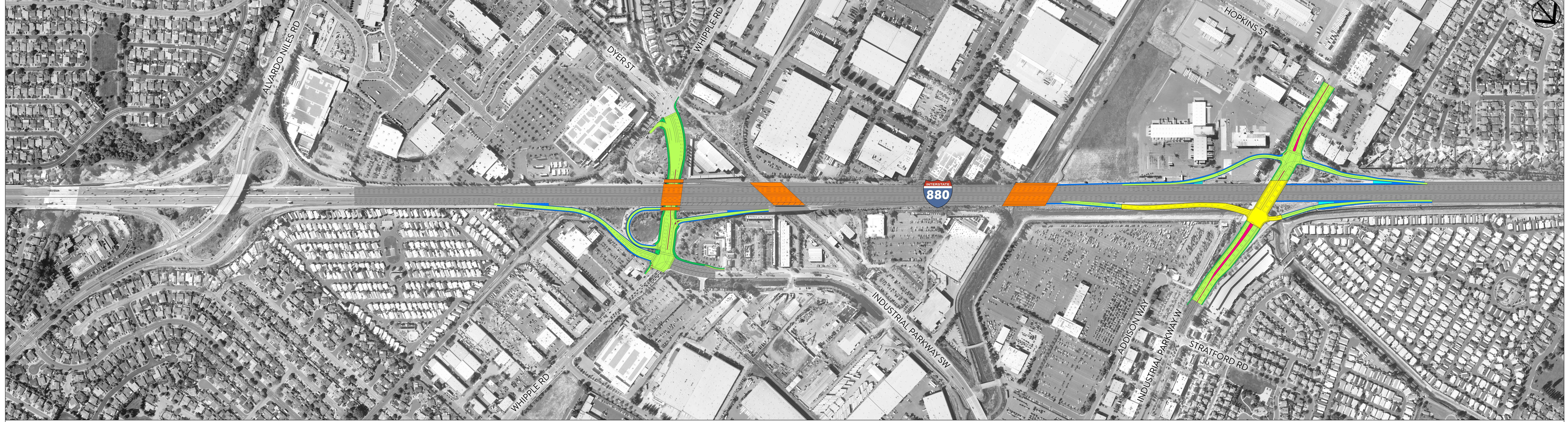
NEED - Roadway Deficiencies

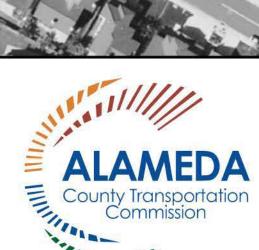
- The pavement condition of Whipple Road at the Interchange is degraded.
- I-880/Industrial Parkway West Overcrossing and I-880/Whipple Road Undercrossing structures do not provide standard vertical clearances.

NEED - Quality of Life Impacts

Traffic growth and inadequate capacity at the I-880/Whipple Road interchange will cause regional to divert to the surrounding local street network which in turn may have the following quality of life impacts to the local community:

- Increased delay experienced by local commuters.
- Economic loss for local businesses, trucking, and delivery companies as a result of increased recurring congestion.
- Reduced air quality as a result of increased vehicle miles traveled.



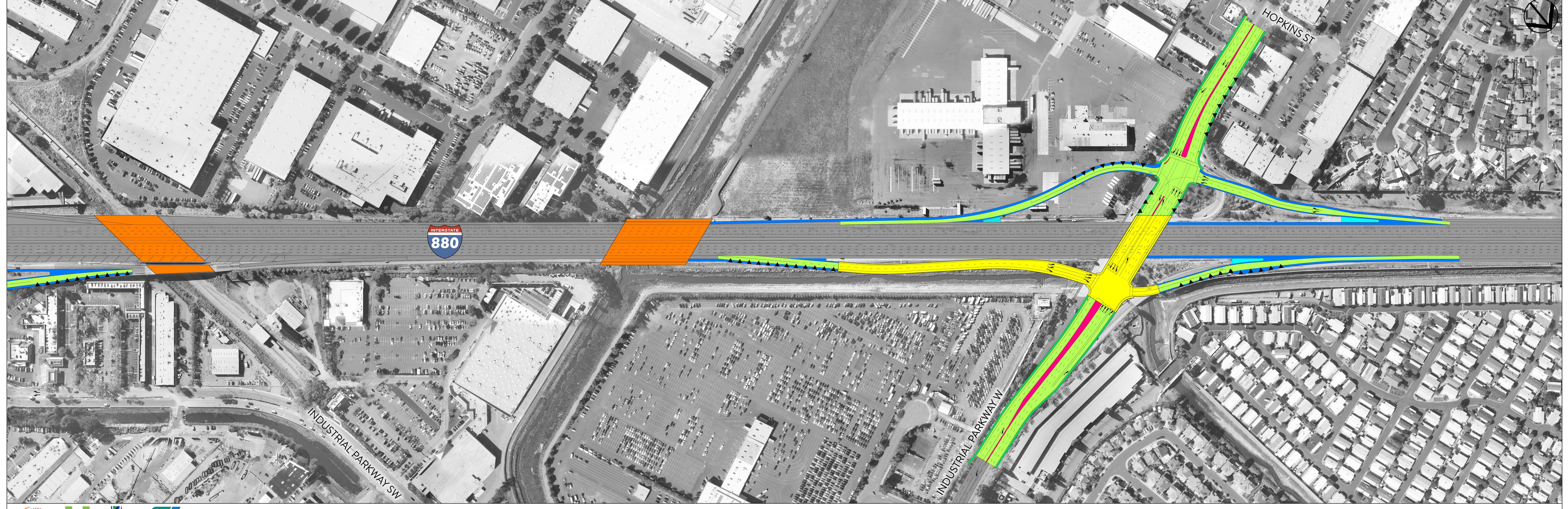


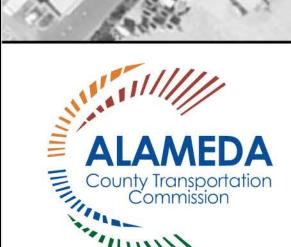






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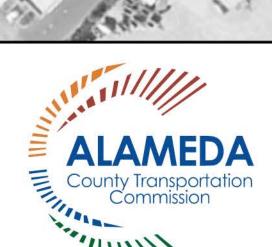


















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