



SAN MATEO COUNTY

**Transportation
Authority**

US 101 / Willow Road Interchange Project

TA Board Meeting
October 4, 2018
Agenda Item #11 (a)



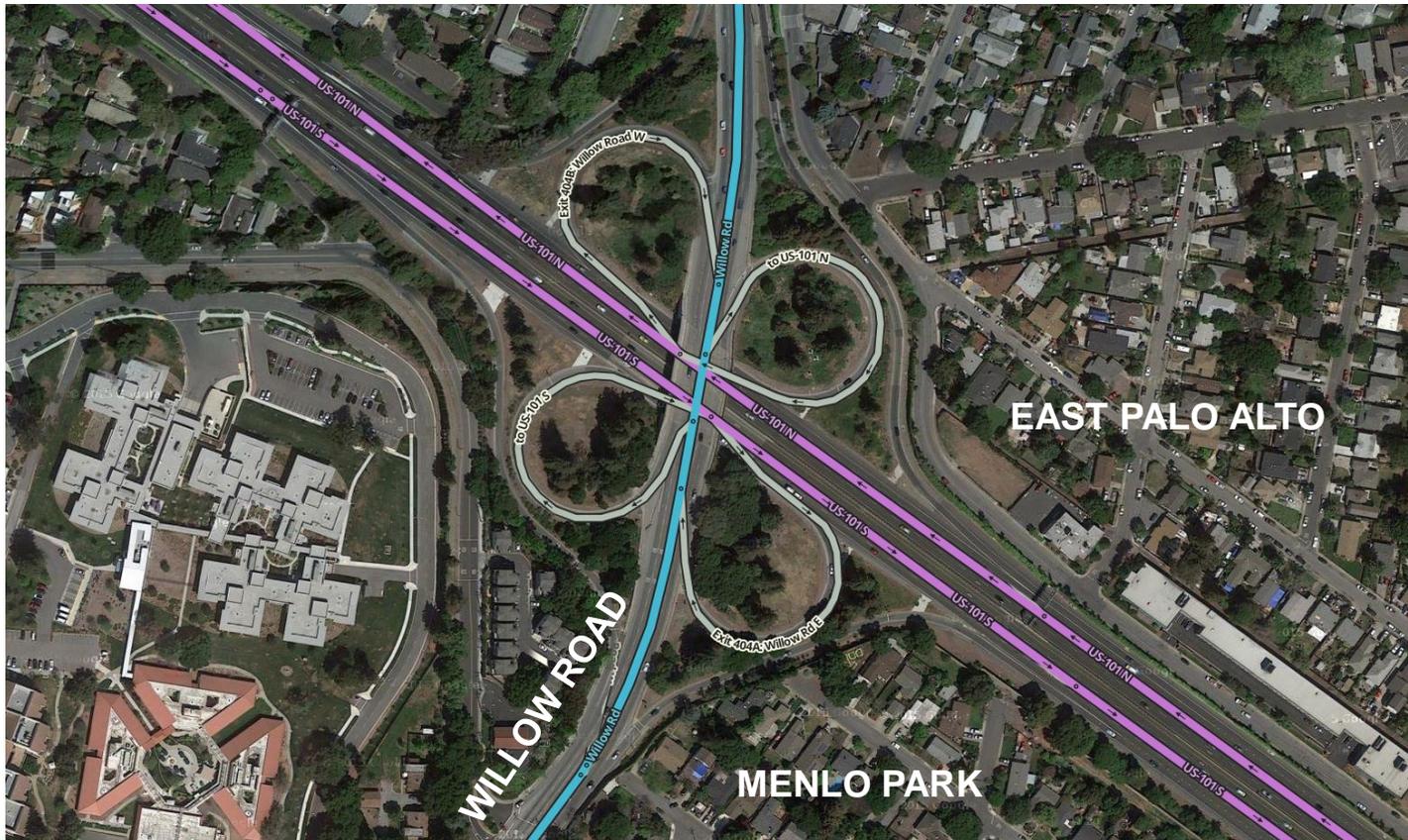
Presentation Overview

- **Scope of Work**
- **Benefits**
- **Project Cost**
- **Funding Sources**
- **Construction Activities and Upcoming Closure**
- **Challenges and Solutions**
- **Next Step**



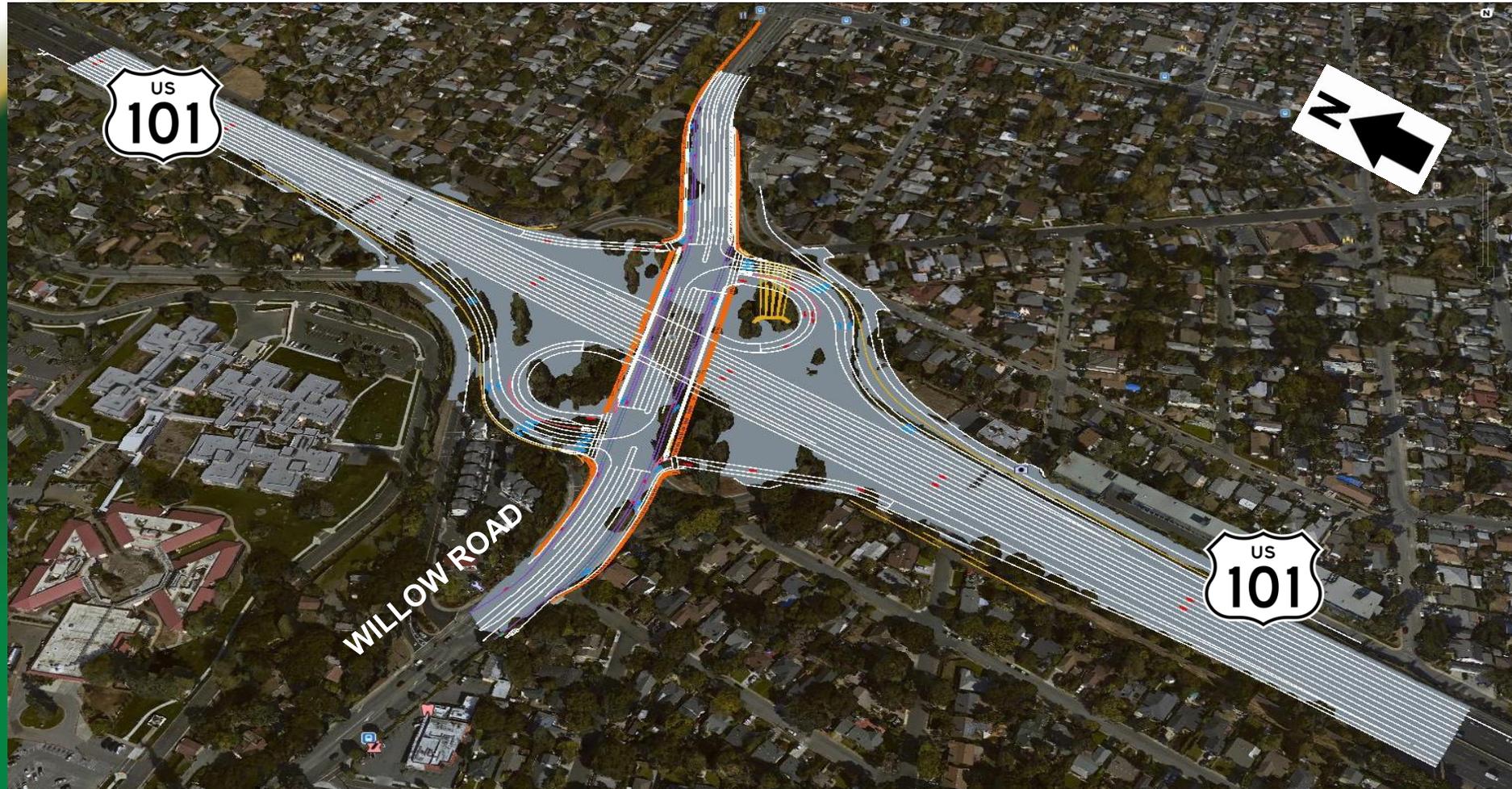
Scope of Work

Reconstruction of Existing Full Cloverleaf



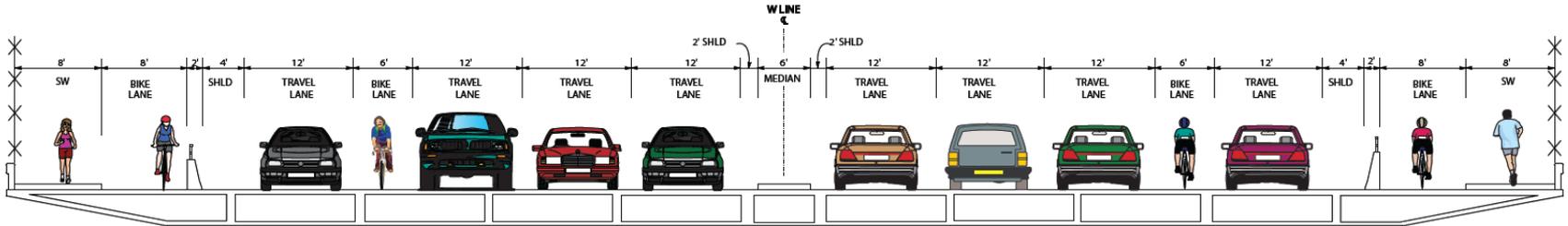


Future Configuration – Partial Cloverleaf

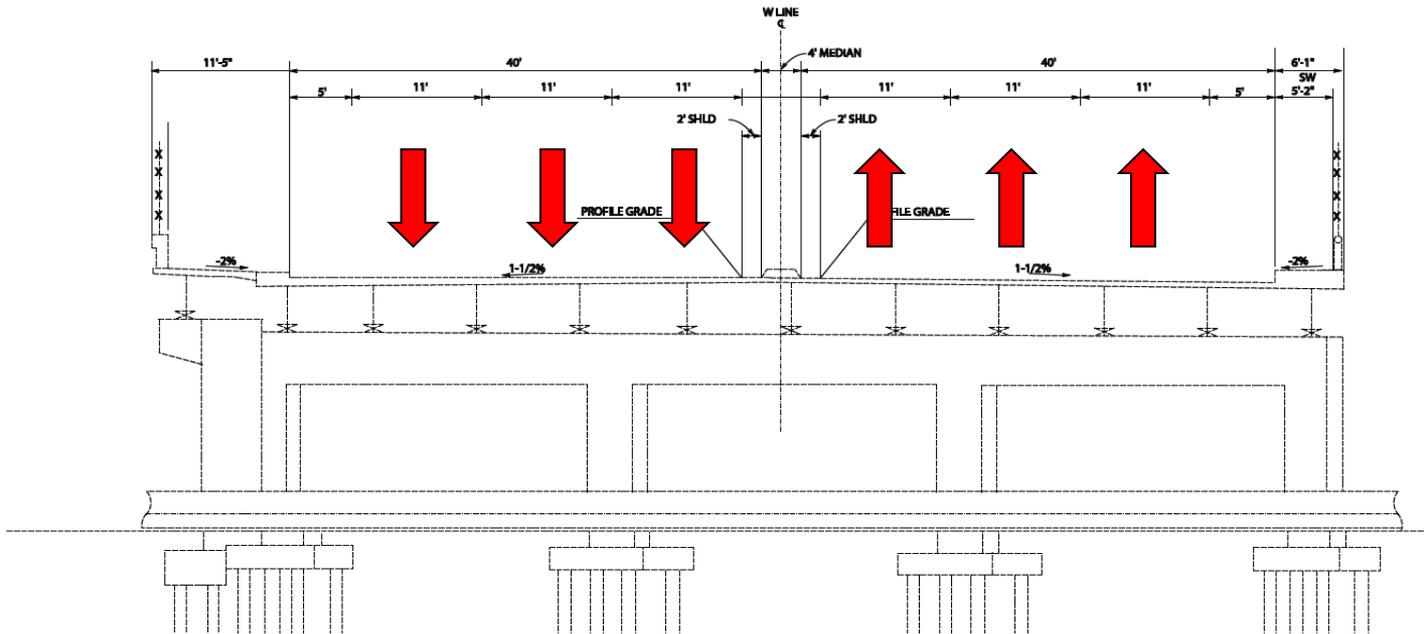




Reconstruct and Widen the Willow Overcrossing



PROPOSED WILLOW ROAD OVERCROSSING



EXISTING WILLOW RD OVERCROSSING

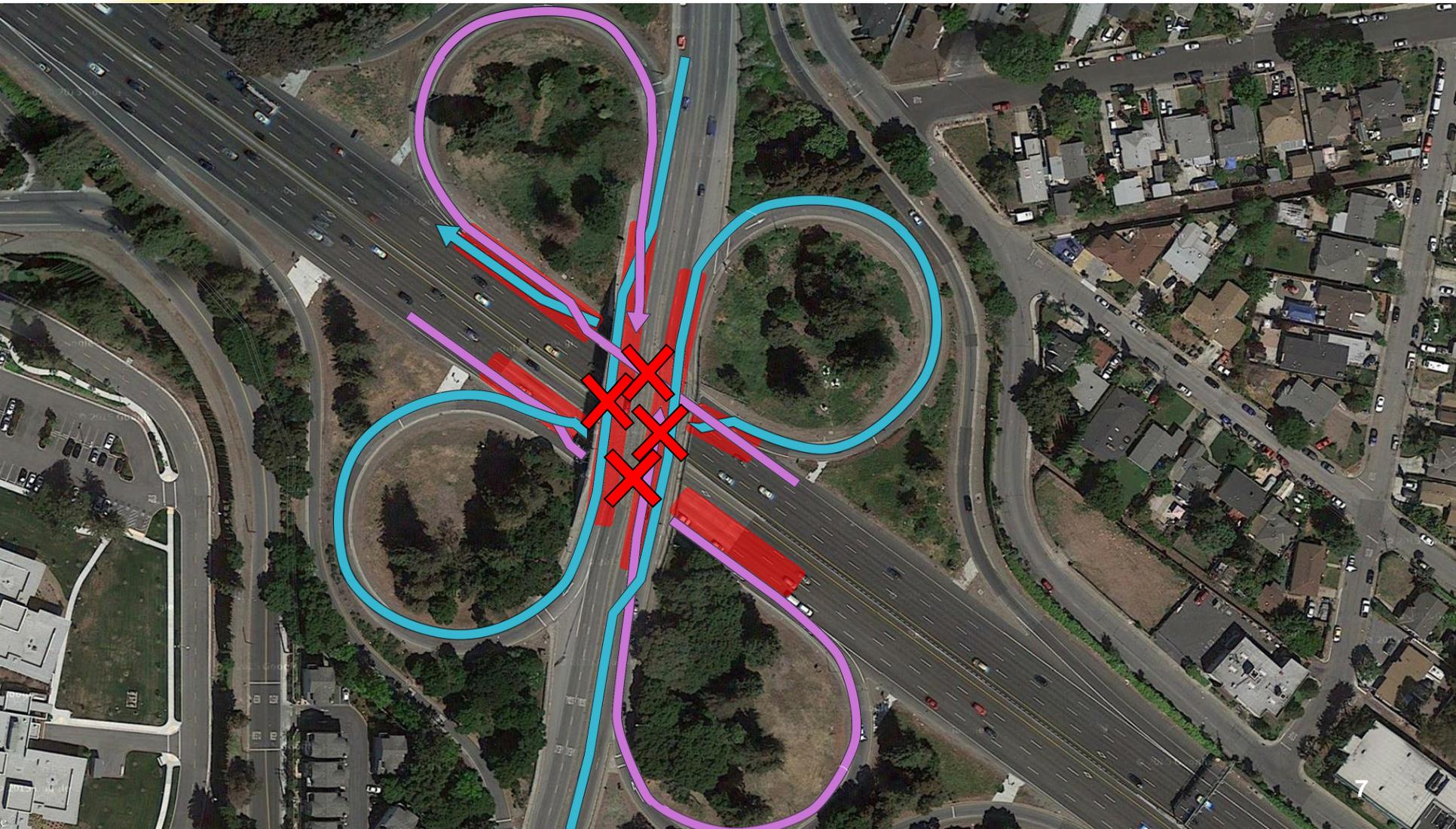


Benefits (When Completed)

1. Eliminate the short weaving segments between loop on- and off- ramps along Route 101 and on Willow Road overcrossing.
2. Improve traffic operations and queuing on 101 and Willow Road.
3. Improve bicyclists and pedestrians access and safety across the interchange.



101 / Willow Road Interchange





Traffic Congestion



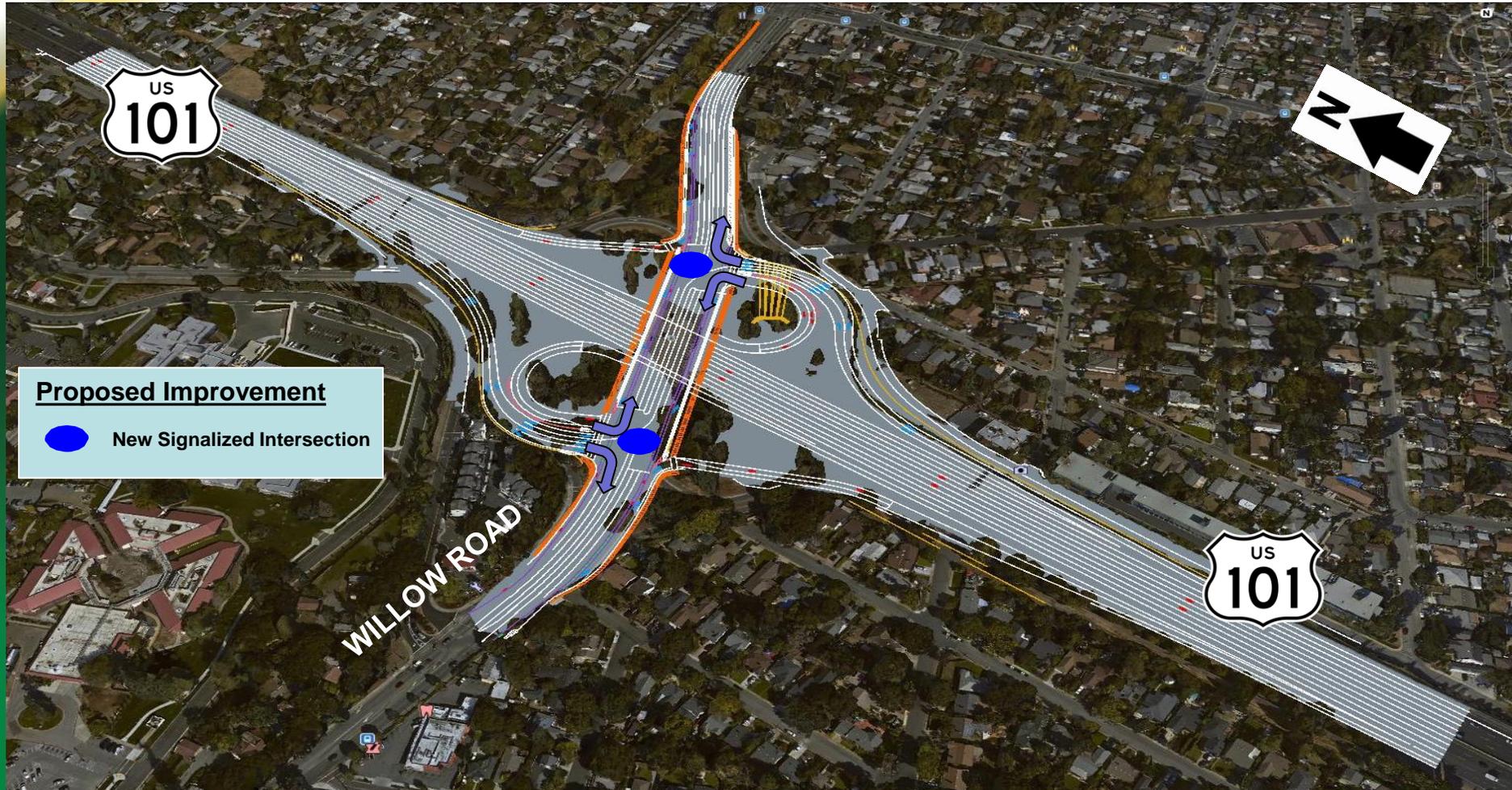


Traffic Congestion on Willow Road





Future Configuration – Partial Cloverleaf





Project Cost

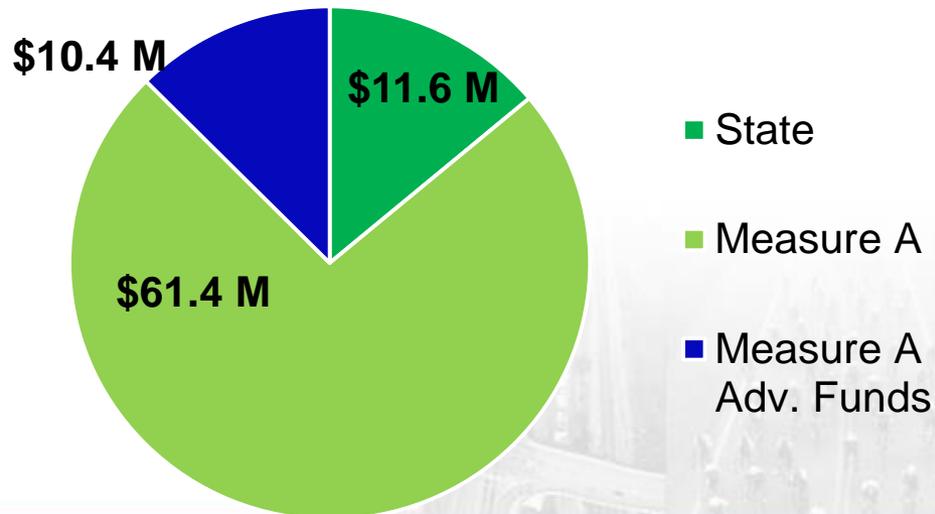
Project Initiation Phase	\$4.5 million
Environmental Phase	\$4.0 million
Design Phase	\$5.0 million
Right-of-Way & Utility	\$7.1 million
Construction Management	\$10.4 million
Construction Capital	\$52.4 million
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TOTAL	\$83.4 million



Funding Sources

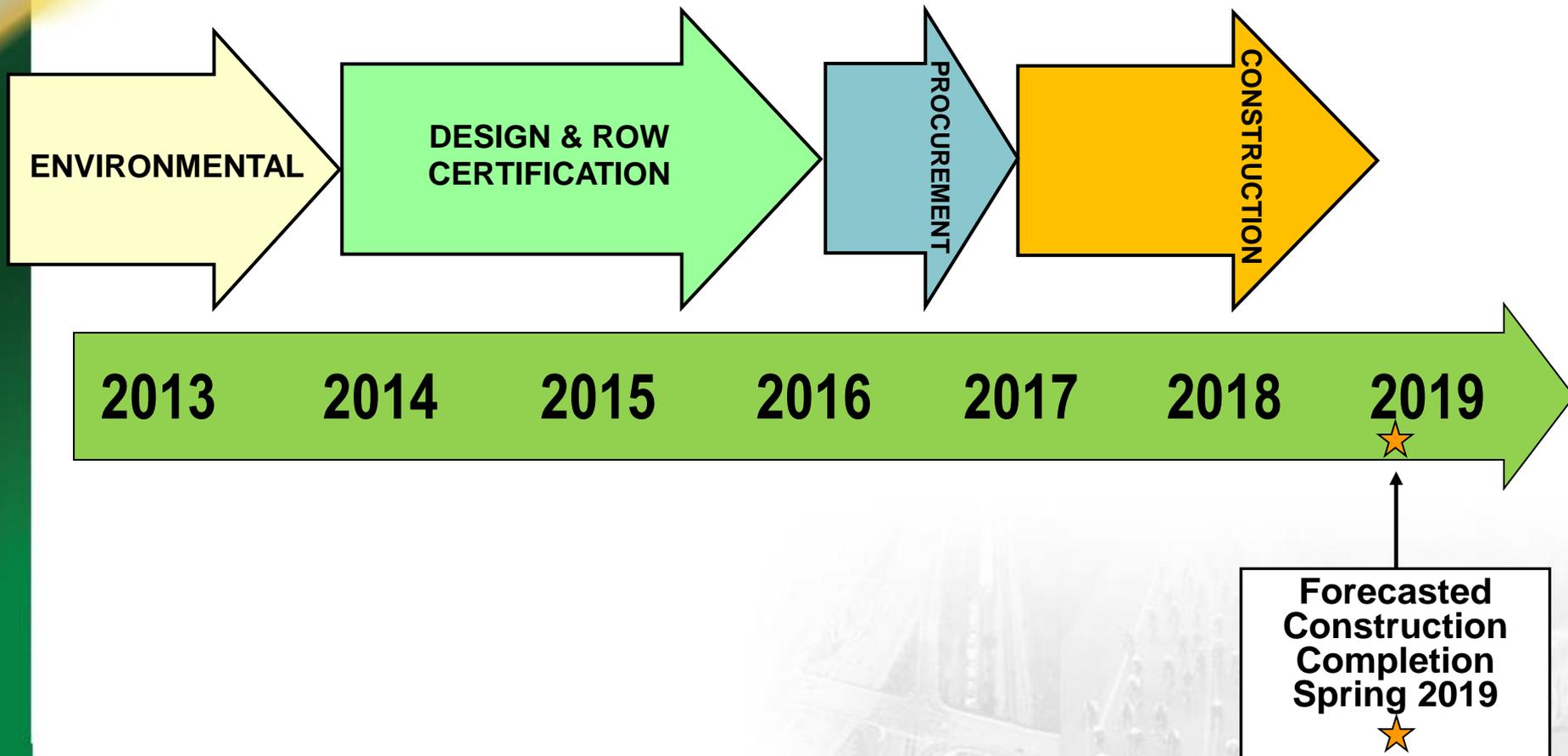
State	\$11.6 M	(Environmental, Design & Right of Way Support)
Measure A	\$61.4 M	(Project Initiation Document, Environmental, Right of Way Capital & Construction Capital)
Measure A	\$10.4 M	(Measure A Advancement Funds for Construction Support to be reimbursed by State)

Total **\$83.4 M**





Project Schedule





Construction Photos

Soil Stabilization





Compacting Soil





Installing Bridge Girder





Forming Bridge Deck





Pouring Concrete on Bridge Deck





Existing and New Bridge Decks





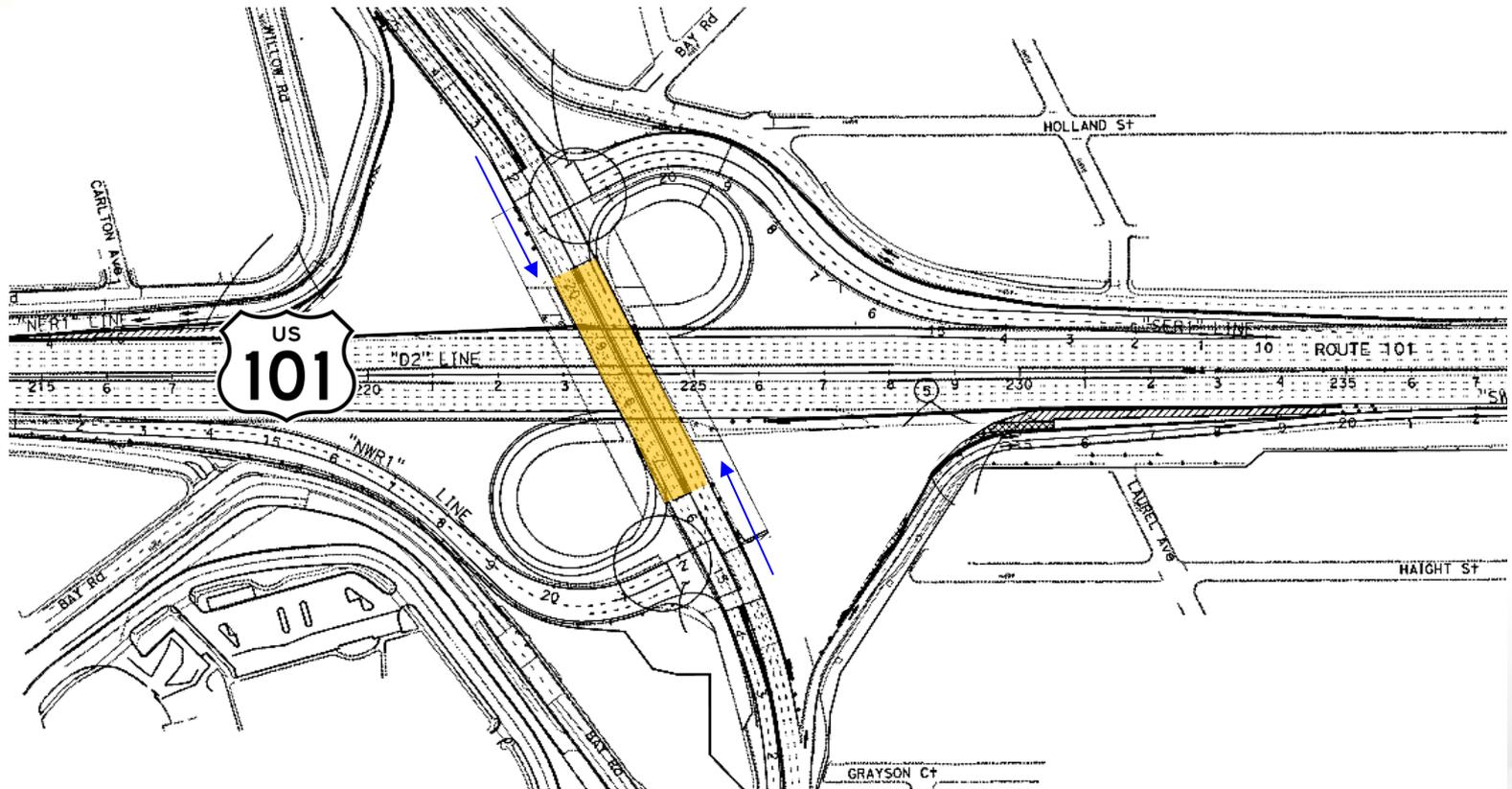
Constructing Retaining Wall





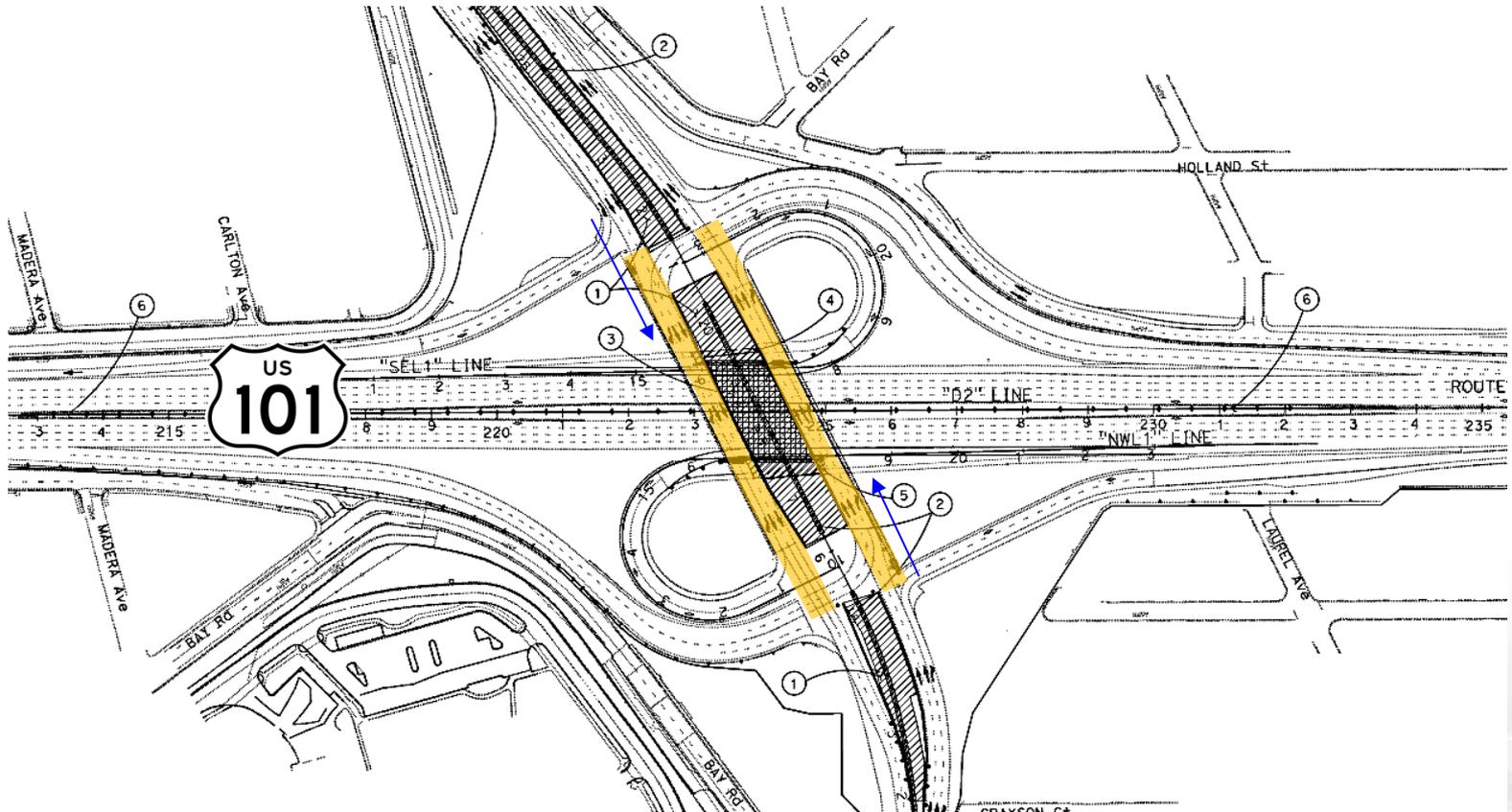
Upcoming Weekend Closure

Current Stage





Next Stage (Open on October 8)





Existing and New Structures





Existing and New Structures





Closure Notifications

- **Changeable Message Signs**
- **Press Release**
- **Websites**
- **Social Media Platforms**





Detour Plan

State of California • Department of Transportation



TRAFFIC ADVISORY

Detours

Through-traffic on U.S.-101 will not be detoured; only traffic that normally would take the Willow Road Exit will be detoured.





Challenges

- 1) **Congestion during construction/
Cut through traffic**
- 2) **Limited space to maintain
existing pedestrian and bicycle
facilities during construction**
- 3) **Schedule and cost impact due to
shortage of construction
materials and skilled labor**

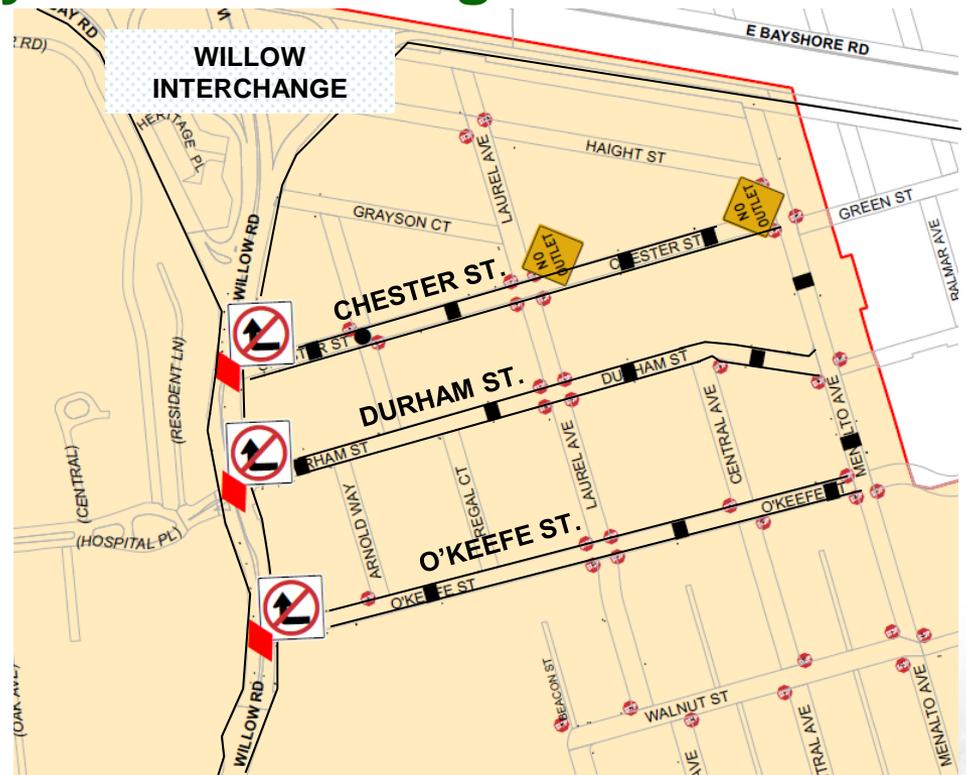


Construction Measures

Short Term: Temporary traffic calming modifications

Short-Term Recommendations (All turn restrictions are weekdays from 3-7pm)

-  No Right Turn-onto Willow from O'Keefe and Chester
-  No Right Turn-onto Willow from Durham
-  No Left Turn from Woodland to Baywood
-  KEEP CLEAR- On Willow at O'Keefe, Durham and Chester
-  No access to Willow on Chester at Laurel
-  No access to Willow on Chester at Menalto

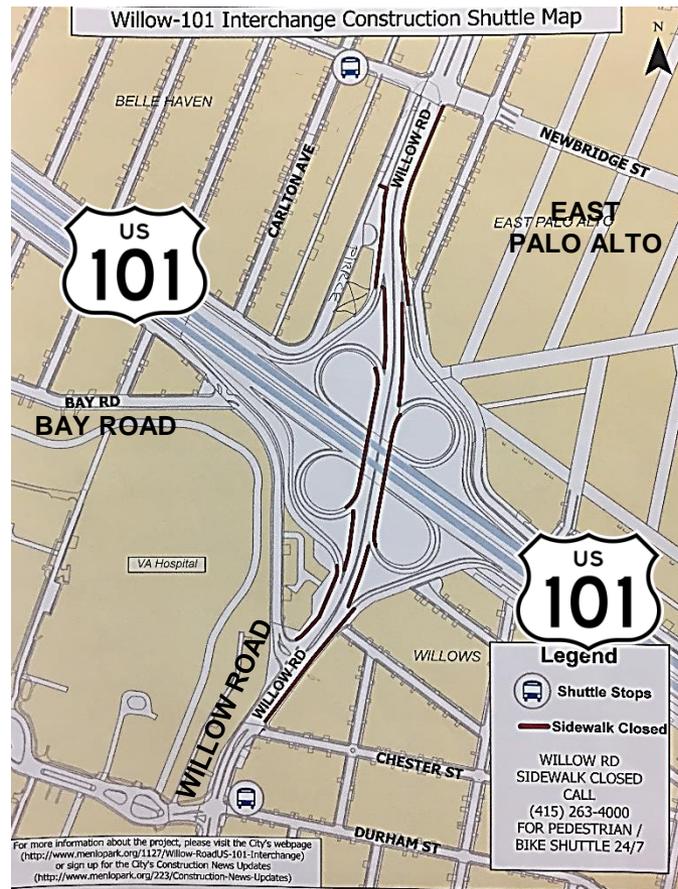


Long Term: Bayfront, Willow, Marsh Adaptive Signal System Project



Construction Measures

Provide Shuttle Service





Construction Measures

Build Temporary Walkway





Next Step

- **Continue to monitor construction schedule and cost impact**



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