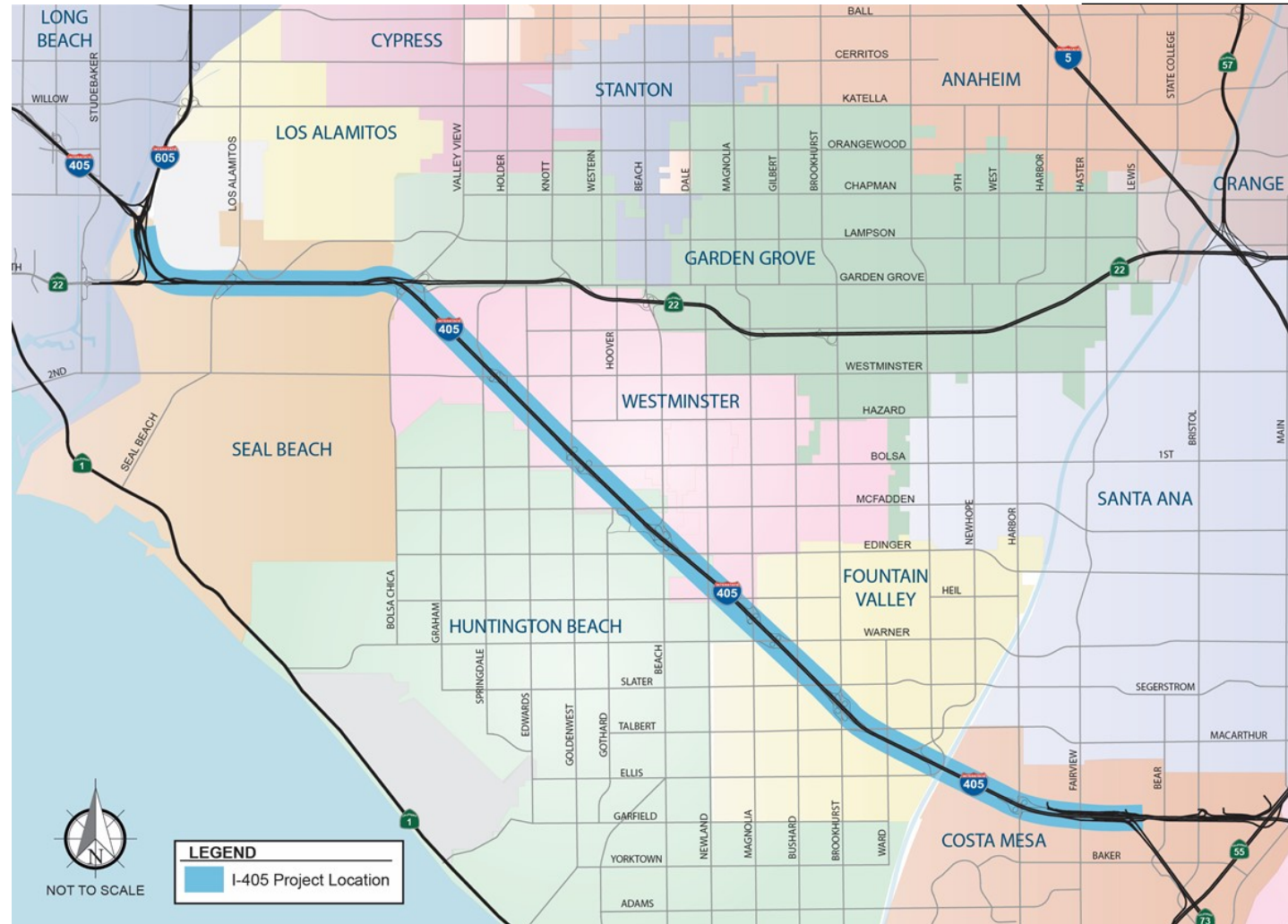




Interstate 405 Improvement Project Update



Project Location and Key Features



Background



Milestone	Completion Date
Environmental clearance	May 2015
Orange County Transportation Authority Board of Directors (Board) awards design-build (DB) contract to OC 405 Partners	November 2016
Notice to Proceed (NTP) No. 1 issued	January 2017
TIFIA* loan executed	July 2017
NTP No. 2 issued	July 2017
Construction began	March 2018

* Transportation Infrastructure Finance and Innovation Act



Design

- Project design is substantially complete
- Future design refinements allowed in DB process

Right-of-Way

- 288 properties impacted – on schedule overall
- 288 offers presented
- 283 properties in possession (98 percent of total parcels needed)
- 60 resolutions of necessity adopted by the Board

Construction

- Construction over 30 percent complete
- Design-builder has approximately 700 workers involved in the I-405 Interstate Improvement Project (Project)

Construction Update



Concrete pavement construction

Construction Update



Drainage and other roadway construction

Construction Update



Wall construction

Construction Update



Magnolia Street bridge demolition

Construction Update



**McFadden Avenue
bridge construction**



**Westminster Boulevard
bridge construction**

Look Ahead for Bridge Construction



May – June 2020

- Bolsa Chica Road bridge (first half) opens to traffic
- Goldenwest Street bridge (first half) opens to traffic

July – December 2020

- McFadden Avenue bridge fully opens to traffic
- Bushard Street fully opens to traffic
- Start Heil Avenue pedestrian overcrossing
- Westminster Boulevard bridge (first half) opens to traffic
- Fairview Road bridge (first half) opens to traffic

Bridge Construction Map



Bridge Map as of 08/12/2019

Project Challenges



- Oversight and approvals from many different agencies and third parties
- Cost and availability of construction resources in this active construction market
- Change management
- Minimizing impacts and disruptions to the public
- Timely performance of third-party utility work
- Schedule impacts and mitigations

Schedule Mitigations Implemented



Previously Implemented

Slater Avenue bridge from two-stage to one-stage construction	Edwards Street bridge from two-stage to one-stage construction
Improvements to staging of Oceanview Channel construction	Long-term closure of one of two northbound off-ramps to Westminster Boulevard
Longer ramp closure durations	Extended and/or multiple night closures

Recently Implemented

Work-around to take area near archaeological discovery off the future schedule critical path

Daytime lane closures due to current lower traffic volumes

- Mitigations intended to minimize impacts to Project completion date
- To be balanced with minimizing traffic impacts

Community Engagement



Category	Average per month
Public comments, questions	130 constituents
Social media reach	186,359 users
Construction emails	12 (30 percent open rate)
Interactive map	968 users
Mobile app	272 users
Website closures list	353 downloads

Upcoming Outreach



- Virtual Neighborhood Meetings
 - Bolsa Chica Road
 - Goldenwest Street
- Almond Avenue Soundwalls
- North Gate Utility Relocations/
Soundwalls
- Long-Term Ramp Closures
 - Seal Beach Boulevard
 - South Coast Drive
 - Edinger Avenue
- Key Stakeholder Briefings

405 Magnolia Online Meeting

Magnolia Street Bridge Update

Preparing for Traffic Shift

- **Magnolia closed, Recreation Circle to Heil Avenue**
9 p.m. to 6 a.m. nightly*
Thursday, March 26-Sunday, March 29

The video player displays two images: on the left, a construction site with a concrete ramp and orange traffic cones; on the right, a construction site with a concrete wall and rebar. A small inset video shows a person wearing a headset. The video player interface includes a progress bar at 7:49 / 1:08:06 and a 'Scroll for details' link.

