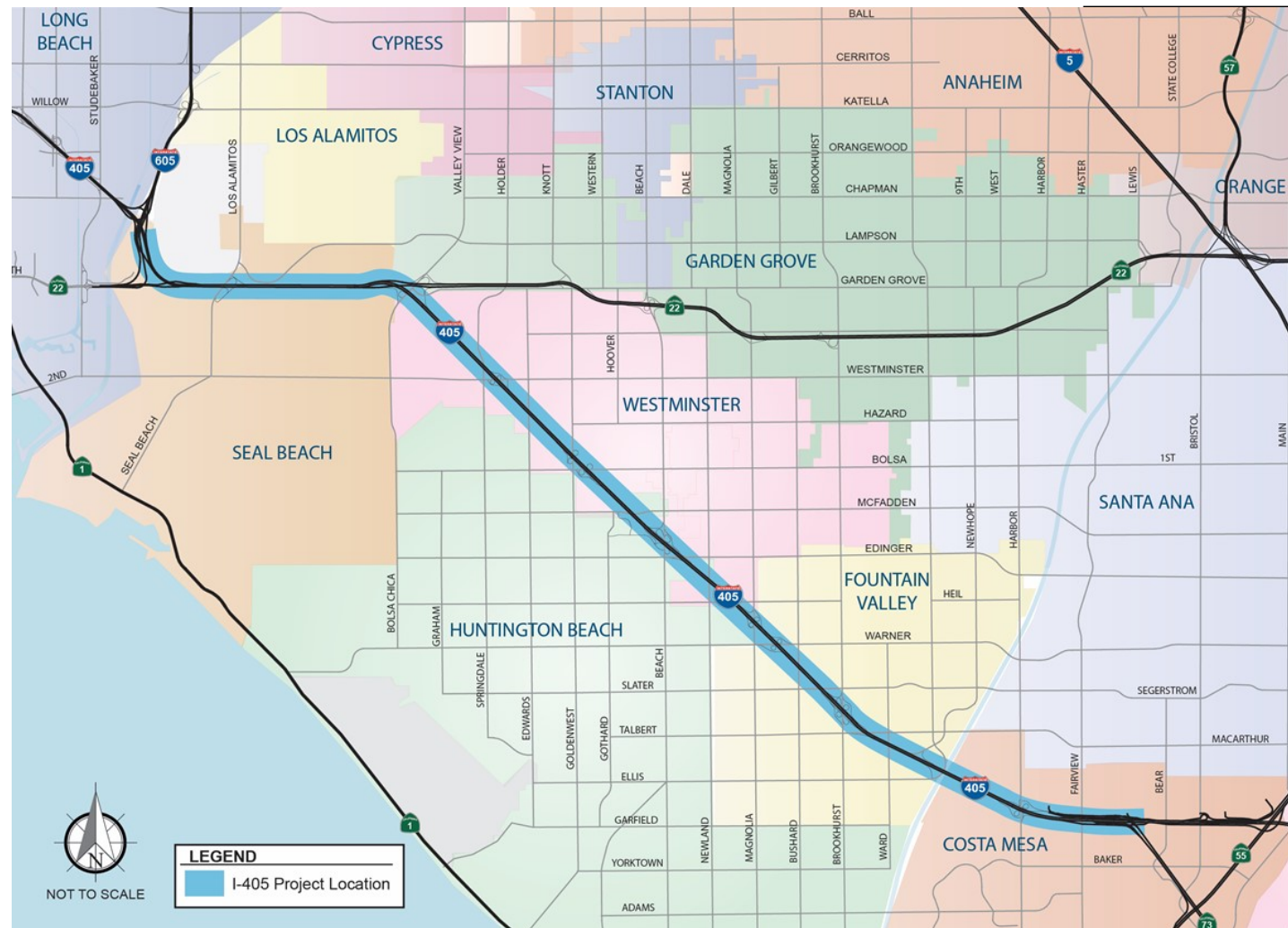




# Interstate 405 Improvement Project Update



# 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

# Project Update



## Design

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

## Right-of-Way

- 288 properties impacted – on schedule overall
- 288 properties in possession
- 60 resolutions of necessity adopted by the Board

## Construction

- Construction approaching 40 percent complete
- Over 1,000 workers involved in the Interstate 405 Improvement Project (Project) each working day



# Construction Update



**Wall construction**



# Construction Update



**Greenville-Banning Channel**



# Construction Update



**Santa Ana River bridge construction**



# Construction Update



**Edwards Street bridge demolition**



# Construction Update



**McFadden Avenue bridge construction**

# Look Ahead for Bridge Construction



## July – December 2020

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

## January – June 2021

- Talbert Avenue bridge fully opens to traffic
- Start Ward Street bridge
- Fairview Road bridge (first half) opens to traffic
- Bolsa Avenue bridge (first half) opens to traffic



# Bridge Construction Map



# Project Challenges



- Oversight and approvals from many different agencies and third parties
- Cost and availability of construction resources in this active construction market
- Dispute resolution and 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 and Edwards Street bridges from two-stage to one-stage construction

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

Improvements to staging of Oceanview Channel construction

Daytime lane closures due to current lower traffic volumes

Longer ramp closure durations

Extended and/or multiple night closures

## Recently Implemented

Starting construction on Brookhurst Street bridge concurrent with the end of Talbert Avenue construction

Warner Avenue bridge from two-stage to one-stage construction

Re-sequencing of Edinger Avenue and Newland Street bridges

- 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	179 constituents
Social media engagement	1,651 users
Construction alerts	13 sent (28% open rate)
Interactive map	1,130 users
Geofencing advertising	69,037 impressions
Website closure lists	300 downloads



# Upcoming Outreach



- Virtual neighborhood meetings
  - Brookhurst Street Phase 1
  - Edinger Avenue
  - Westminster Boulevard Phase 2
- Major activity notifications
  - Extended ramp closures
  - Full freeway/ramp/road closures
  - Temporary construction easements
- Key stakeholder briefings
  - Emergency responders
  - School districts
  - Civic/community groups

