OPEN HOUSE VISUALS
If you weren’t able to join us at one of the recent open houses, you can view the project boards displayed at each presentation.
OPEN HOUSE VISUALS CONTINUED

WALL DESIGNS – WESTMINSTER AND FOUNTAIN VALLEY

PROJECT MAP

BRIDGE STAGING SEQUENCE

BRIDGE REPLACEMENTS

405 EXPRESS LANES INITIAL TOLL POLICY

BY THE NUMBERS

BUSINESS OUTREACH

COMMUNITY OUTREACH

SCHOOL OUTREACH

INNOVATION IN COMMUNICATION

WHAT ARE EXPRESS LANES

405 EXPRESS LANES ACCESS POINTS
PROJECT HISTORY

2003 to 2005
MAJOR INVESTMENT STUDY

2007 to 2008
PROJECT STUDY REPORT

2012
DRAFT EIR/ES

2013
SUPPLEMENTAL DRAFT EIR/ES

2014
CALTRANS RECOMMENDS PREFERRED ALTERNATIVE

2016
OCTA BOARD APPROVES CONTRACT WITH CC 405 PARTNERS

2017
TIFIA LOAN CLOSSES

2006
VOTERS RENEW MEASURE M INCLUDING I-405 PROJECT (PROJECT K)

2009 to 2015
ENVIRONMENTAL REVIEW PROCESS

2013
OCTA AMENDS MEASURE M PLAN BY $700 MILLION TO DELIVER ON PROJECT PROMISE

2014
CALTRANS PRESENTS HIGH OCCUPANCY VEHICLE (HOV) LANE DEGRADATION ISSUE

2015
AB 2350 PASSES PROVING ANY EXCESS TOLL REVENUE REMAINS LOCAL

2016
AB 194 PASSES ALLOWING TRANSPORTATION AGENCIES TO OPERATE HOT LANES

CALIFORNIA TRANSPORTATION COMMISSION APPROVES PROJECT

PROJECT NEXT STEPS

1. DESIGN AND CONSTRUCTION 2017 THRU 2023

2. START OF CONSTRUCTION 2018

3. PROJECT COMPLETION AND EXPRESS LANES OPEN 2023

A FASTER FUTURE
WHAT IS DESIGN-BUILD?

The Design-Build Method

OCTA will use a design-build delivery method for the design and construction of the project. Design-build is a process that allows for project design and construction to occur simultaneously. One contractor is hired to perform both functions, which increases the speed and efficiency by which a project can be delivered.

This process involves the designer and construction contractor working as one to collaboratively address any changes. This ongoing collaboration reduces schedule growth by 11 percent and overall project delivery by 33 percent, on average, when compared to traditional project-delivery methods.

A FASTER FUTURE
LEGISLATION HIGHLIGHT

AB 401
ASSEMBLY MEMBER DALY (D-ANAHEIM)
Provided design-build authority for project

AB 2250
ASSEMBLY MEMBER DALY (D-ANAHEIM)
Required that revenues from managed lanes stay in corridor

AB 194
ASSEMBLY MEMBER FRAZIER (D-DISCOVERY BAY)
Allowed for local control and administration of new managed lane facilities

A FASTER FUTURE
MEASURE M IS NOW OC Go

is Orange County's half-cent sales tax for transportation improvements

For 26 years, Measure M has made significant improvements to freeways, streets and roads, the transit system, and the environment. However, market research indicates that public awareness of Measure M is very low. To increase awareness of Orange County's Measure M and avoid confusion with Los Angeles County's recently enacted local sales tax measure of the same name, OCTA has rebranded Measure M and is incorporating the new name and logo into updated signage and communication materials.

The new name of Measure M is OC Go.

<table>
<thead>
<tr>
<th>FUNDING SOURCE</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>OC Go</td>
<td>$1.135 billion</td>
</tr>
<tr>
<td>State Funds</td>
<td>$90 million</td>
</tr>
<tr>
<td>Federal Funds</td>
<td>$46 million</td>
</tr>
<tr>
<td>Federal TIFIA Loan (secured by Express Lanes revenues)</td>
<td>$629 million</td>
</tr>
<tr>
<td>TOTAL</td>
<td>$1.9 billion</td>
</tr>
</tbody>
</table>

A FASTER FUTURE
SIGNSIFICANT PROJECT FEATURES

- One new regular lane in each direction
- Two Express Lanes in each direction
- New and replaced soundwalls
- Interchange reconfigurations
- New, replaced and widened bridges
- Merge lane improvements
- New bike lanes and sidewalks

A FASTER FUTURE
KEY STAKEHOLDERS

A FASTER FUTURE
WALL DESIGNS

COSTA MESA AREA

Fractured Fin Texture
1-1/4" relief

Bas-Relief Sculpted Figures
+ 1" total relief (birds)

Leaf and Branch Linework
3/4" x 3/8" depth

Chiseled Limestone
1-1/4" total relief

Leaf and Branch Texture
Light Sandblast Max relief set at
1/8" depth

HUNTINGTON BEACH AREA

Fractured Fin Texture
-1-1/4" relief

Birds Smooth Texture
-1" total relief Linework 3/8" x 1/2" depth

Swoops Bas-Relief
+ 1" total relief Smooth Texture

Background Texture
Chiseled limestone
1-1/4" max relief

Wave/Swoop Linework 3/8" x 1/2" depth

Wave Texture
- Rugged Flagstone Pattern
3/8" max relief

Sand Background
3/8" Random Stone
3/8" max relief
set 1/4" depth

Shell Texture-
Light Sandblast
Max relief set at
1/8" depth

Shell Linework
3/8" x 3/8" depth

A FASTER FUTURE
WALL DESIGNS

WESTMINSTER AREA

- Bas-Relief Sculpted Figures + 1" total relief
- Fractured Fin Texture 1-1/2" relief
- Leaf Textured Light Sandblast Max relief set at 1/8" depth
- Leaf Panel Background Pattern-Chiseled Limestone 3/16" max relief
- Leaf Linework 3/16" x 7/8" depth

- Bas-Relief Sculpted Flowers + 1" max total relief (all flowers & buds)
- Fractured Fin Texture 1-1/2" relief
- Background Texture-Chiseled limestone 3/8" max relief
- Leaf Linework-3/16" max relief
- Leaf Texture-Light Sandblast Max relief set at 1/8" depth
- Chiseled Limestone 1-1/2" max relief

FOUNTAIN VALLEY AREA

- Stream Accents -Smooth texture set flush (+0"
- Stream Main Channel -Rugged Flagstone Pattern 3/16" max relief set at minus 7/8" depth
- Chiseled Limestone 1-1/2" max relief
BRIDGE STAGING SEQUENCE

A FASTER FUTURE
### BRIDGE REPLACEMENTS

<table>
<thead>
<tr>
<th>Bridge Name</th>
<th>Construction Start Date</th>
<th>Current No. of Lanes</th>
<th>Future No. of Lanes</th>
<th>Current Sidewalks</th>
<th>Future Sidewalks</th>
<th>Current Bike Lanes</th>
<th>Future Bike Lanes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fairview Road</td>
<td>2019</td>
<td>10</td>
<td>10</td>
<td>NB/SB</td>
<td>NB/SB</td>
<td>NB/SB</td>
<td>NB/SB</td>
</tr>
<tr>
<td>Ward Street</td>
<td>2020</td>
<td>2</td>
<td>4</td>
<td>SB</td>
<td>NB/SB</td>
<td>NB/SB</td>
<td>NB/SB</td>
</tr>
<tr>
<td>Talbert Avenue</td>
<td>2019</td>
<td>4</td>
<td>6</td>
<td>NB/SB</td>
<td>NB/SB</td>
<td>None</td>
<td>NB/SB</td>
</tr>
<tr>
<td>Brookhurst Street</td>
<td>2020</td>
<td>8</td>
<td>8</td>
<td>NB/SB</td>
<td>NB/SB</td>
<td>None</td>
<td>NB/SB</td>
</tr>
<tr>
<td>Slater Avenue</td>
<td>2018</td>
<td>4</td>
<td>4</td>
<td>NB/SB</td>
<td>NB/SB</td>
<td>NB/SB</td>
<td>NB/SB</td>
</tr>
<tr>
<td>Bushard Street</td>
<td>2019</td>
<td>4</td>
<td>4</td>
<td>NB/SB</td>
<td>NB/SB</td>
<td>NB/SB</td>
<td>NB/SB</td>
</tr>
<tr>
<td>Warner Avenue</td>
<td>2020</td>
<td>8</td>
<td>8</td>
<td>EB</td>
<td>EB/WB</td>
<td>EB/WB</td>
<td>EB/WB</td>
</tr>
<tr>
<td>Magnolia Street</td>
<td>2019</td>
<td>4</td>
<td>6</td>
<td>SB</td>
<td>NB/SB</td>
<td>None</td>
<td>NB/SB</td>
</tr>
<tr>
<td>Heil Avenue Pedestrian</td>
<td>2019</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Newland Street</td>
<td>2020</td>
<td>2</td>
<td>4</td>
<td>SB</td>
<td>NB/SB</td>
<td>None</td>
<td>NB/SB</td>
</tr>
<tr>
<td>Edinger Avenue</td>
<td>2021</td>
<td>4</td>
<td>4</td>
<td>EB</td>
<td>EB/WB</td>
<td>None</td>
<td>EB/WB</td>
</tr>
<tr>
<td>McFadden Avenue</td>
<td>2018</td>
<td>2</td>
<td>4</td>
<td>WB</td>
<td>EB/WB</td>
<td>None</td>
<td>EB/WB</td>
</tr>
<tr>
<td>Bolsa Avenue</td>
<td>2019</td>
<td>5</td>
<td>7</td>
<td>EB</td>
<td>EB/WB</td>
<td>None</td>
<td>EB/WB</td>
</tr>
<tr>
<td>Goldenwest Street</td>
<td>2018</td>
<td>5</td>
<td>8</td>
<td>NB</td>
<td>NB/SB</td>
<td>None</td>
<td>NB/SB</td>
</tr>
<tr>
<td>Edwards Street</td>
<td>2021</td>
<td>4</td>
<td>4</td>
<td>NB/SB</td>
<td>NB/SB</td>
<td>NB/SB</td>
<td>NB/SB</td>
</tr>
<tr>
<td>Westminster Avenue</td>
<td>2019</td>
<td>6</td>
<td>6</td>
<td>EB</td>
<td>EB/WB</td>
<td>None</td>
<td>EB/WB</td>
</tr>
<tr>
<td>Springdale Street</td>
<td>2021</td>
<td>4</td>
<td>4</td>
<td>NB</td>
<td>NB/SB</td>
<td>None</td>
<td>NB/SB</td>
</tr>
<tr>
<td>Bolsa chica Road</td>
<td>2018</td>
<td>4</td>
<td>8</td>
<td>NB</td>
<td>NB</td>
<td>None</td>
<td>NB/SB</td>
</tr>
</tbody>
</table>

**Legend:** (NB) Northbound, (SB) Southbound, (EB) Eastbound, (WB) Westbound, (None) No Planned Improvements, *Subject to Change
WHAT ARE EXPRESS LANES?

» Dedicated, separated lanes in freeway median

» Provide the choice to pay a toll for a reliable, predictable trip at free-flow speed

» Reduce demand in regular lanes

» In operation 24 hours a day, 7 days a week

» FasTrak account and transponder required to use Express Lanes

» Preset toll prices that vary throughout the day based on congestion

» No toll booths

A FASTER FUTURE
## 405 EXPRESS LANES
### INITIAL TOLL POLICY

<table>
<thead>
<tr>
<th></th>
<th>Peak</th>
<th>Non-Peak</th>
<th>Peak</th>
<th>Non-Peak</th>
</tr>
</thead>
<tbody>
<tr>
<td>3+ Person Carpool</td>
<td>Free</td>
<td>Free</td>
<td>Free</td>
<td>Free</td>
</tr>
<tr>
<td>2-Person Carpool</td>
<td>Toll</td>
<td>Free</td>
<td>Toll</td>
<td>Toll</td>
</tr>
<tr>
<td>Solo Drivers</td>
<td>Toll</td>
<td>Toll</td>
<td>Toll</td>
<td>Toll</td>
</tr>
</tbody>
</table>

**0 - 3.5 YEARS**

**3.5+ YEARS**

- **Weekday Peak** - 6 a.m. to 10 a.m. and 3 p.m. to 8 p.m.
- **Weekend Peak** - 1 p.m. to 6 p.m.

- **Weekday Non-Peak** - 10 a.m. to 3 p.m. and 8 p.m. to 6 a.m.
- **Weekend Non-Peak** - All times except for 1 p.m. to 6 p.m.

*Opening Expected 2023*
BY THE NUMBERS

16 MILES
of improved freeway for a quicker, more enjoyable driving experience!

18+ BRIDGES
replaced and widened!

11 NEW BIKE LANES
added for more cycling routes!

11 NEW SIDEWALKS
added for pedestrian accessibility!

MORE THAN 40,000 JOBS
created over the entire life of the project!

15 YEARS OF PLANNING
and preparation went into the development of this project!

6 CORRIDOR CITIES
plus the community of Rossmoor

More than 1,250
PUBLIC COMMENTS
received during draft environmental doc & supplemental doc phases!

3 LEGISLATION BILLS
passed in relation to the project

A FASTER FUTURE
BUSINESS OUTREACH

MORE THAN 1,200 Businesses Contacted to Date

MORE THAN 250 Small Businesses
Contacted (Less Than 50 Employees)

MORE THAN 100 MILES
Walked by Outreach Staff

60% of Businesses Signed Up to Receive Notifications about the Project

MORE THAN 500 Employers Willing to Share Information with Customers

DEDICATED STREET TEAM MEMBERS met one-on-one with business owners

A FASTER FUTURE
INNOVATION IN COMMUNICATION

Interactive Map
- Planned improvements
- Construction activities
- Closure and detour information
octa.net/405map

OCTA Partners with Waze
- Real-time road closure information
- Share data with other Wazers
- User-powered reporting

Project Mobile App
- Interactive 3D scenes
- Project milestones
- Photos and videos

octa.net/405improvement
(888) 400-8994
405project@octa.net
facebook.com/405Improvement
@405Improvement
@405_Improvement
octa.net/405map

A FASTER FUTURE