



# 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

## PROJECT HISTORY

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## LEGISLATION HIGHLIGHT

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## KEY STAKEHOLDERS

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## WARNER AVENUE AND HEIL AVENUE

## HARBOR BOULEVARD AND FAIRVIEW AVENUE

## WALL DESIGNS – COSTA MESA AND HUNTINGTON BEACH

# OPEN HOUSE VISUALS CONTINUED

**WALL DESIGNS –  
WESTMINSTER AND  
FOUNTAIN VALLEY**

**PROJECT MAP**

**BRIDGE STAGING  
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**405 EXPRESS LANES  
ACCESS POINTS**

**WHAT ARE EXPRESS  
LANES**

**405 EXPRESS LANES  
INITIAL TOLL POLICY**

**BY THE NUMBERS**

**BUSINESS OUTREACH**

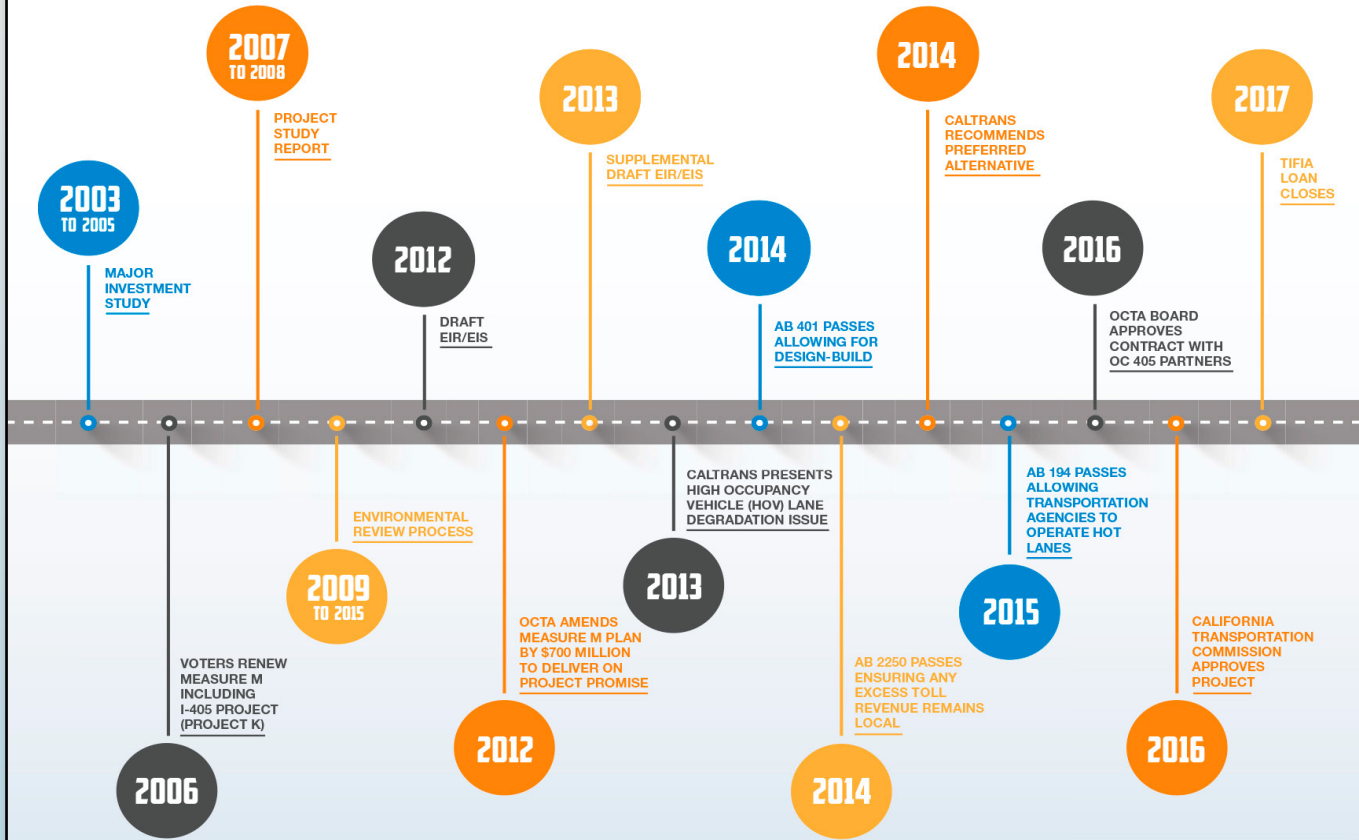
**COMMUNITY OUTREACH**

**SCHOOL OUTREACH**

**INNOVATION IN  
COMMUNICATION**



# PROJECT HISTORY



## PROJECT NEXT STEPS



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.



»» **OWNER - OCTA**



»» **DESIGN-BUILD TEAM - OC 405 PARTNERS**



»» **SUB-CONSULTANTS**

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# 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



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# PROJECT FUNDING

## MEASURE M IS NOW **OCGO**



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.



FUNDING SOURCE	AMOUNT
OC Go	\$1.135 billion
State Funds	\$90 million
Federal Funds	\$46 million
Federal TIFIA Loan (secured by Express Lanes revenues)	\$629 million
<b>TOTAL</b>	<b>\$1.9 billion</b>

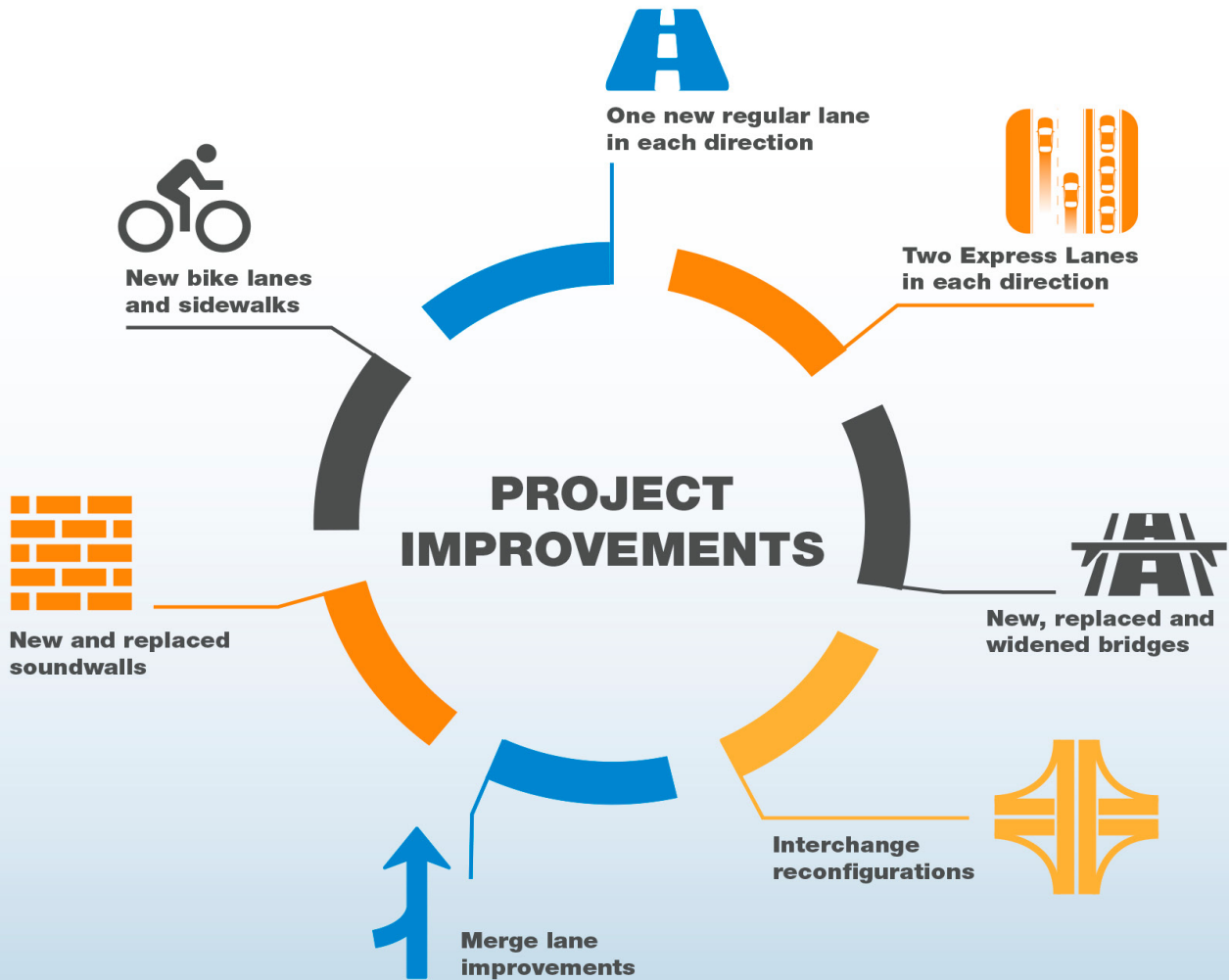


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# SIGNIFICANT PROJECT FEATURES



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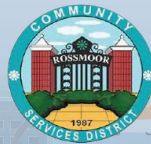




# KEY STAKEHOLDERS



**US Army Corps  
of Engineers®**



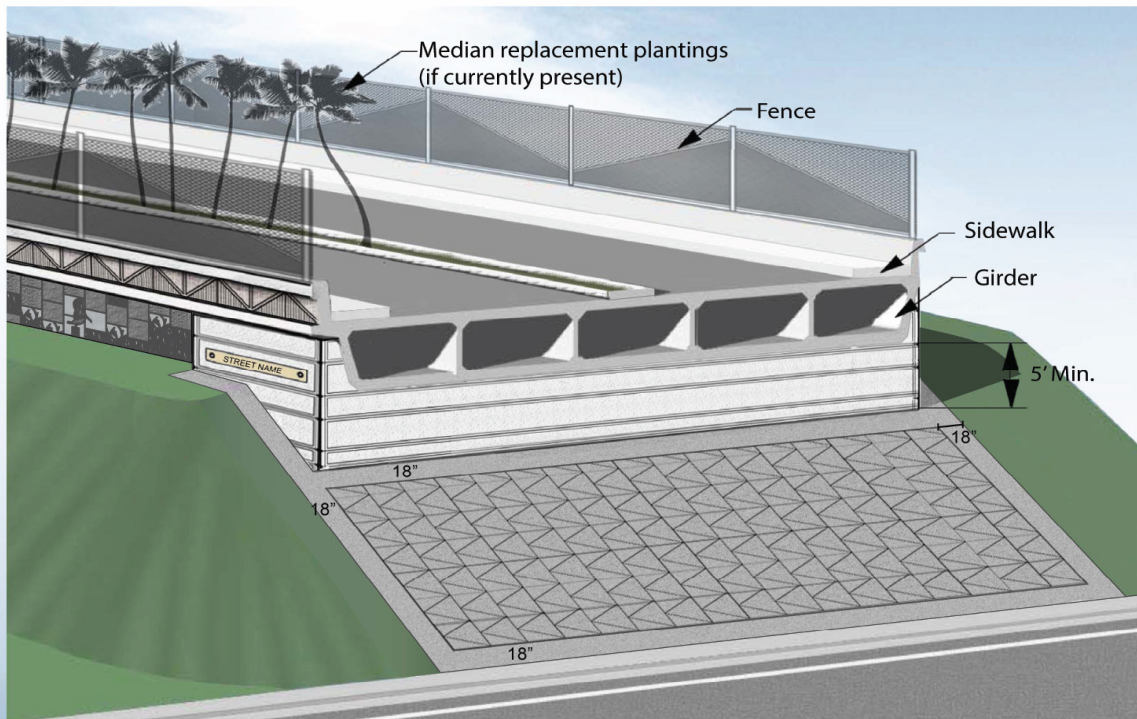
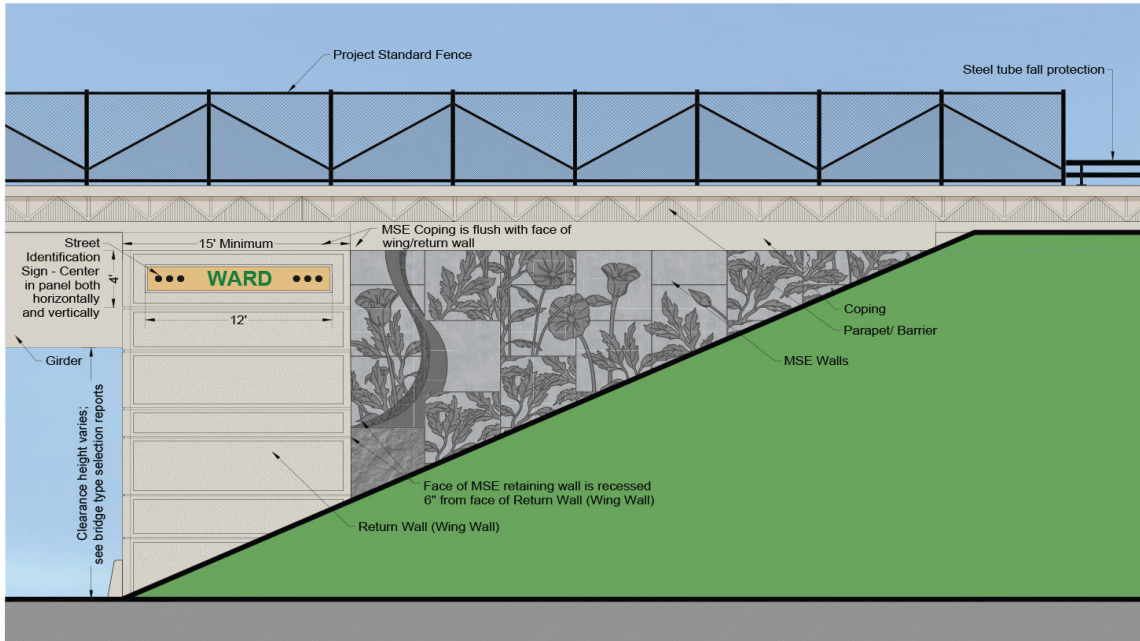
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# WARD AVENUE AND SAMPLE ABUTMENT

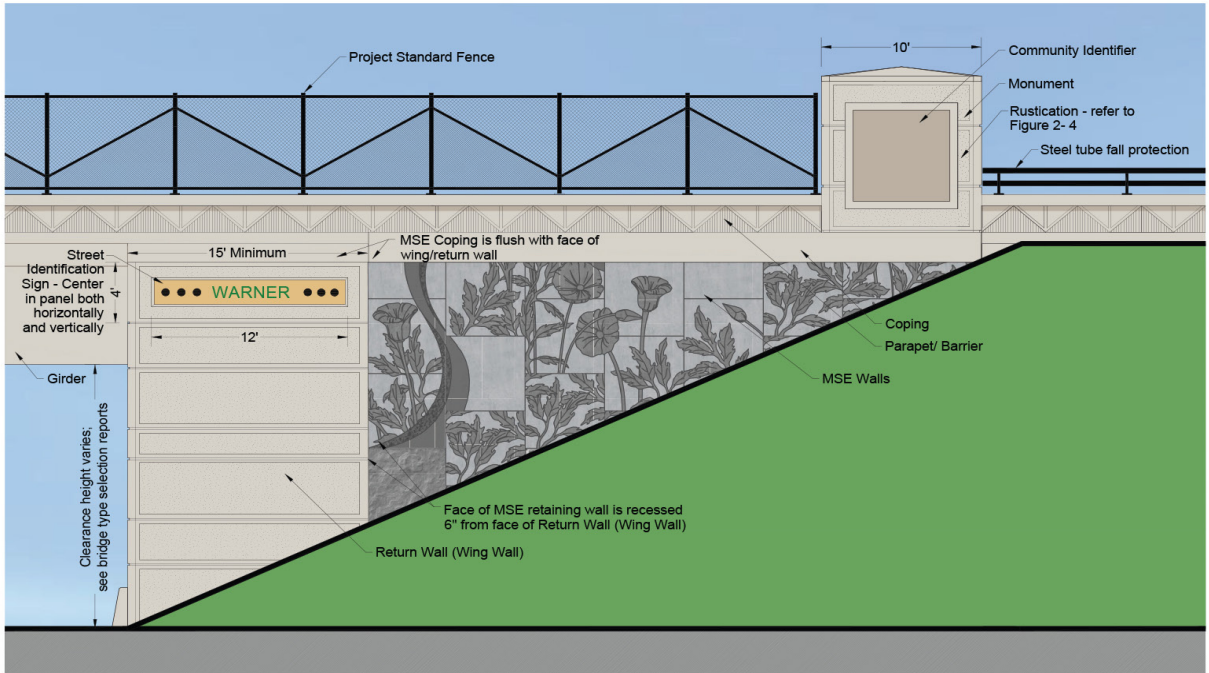


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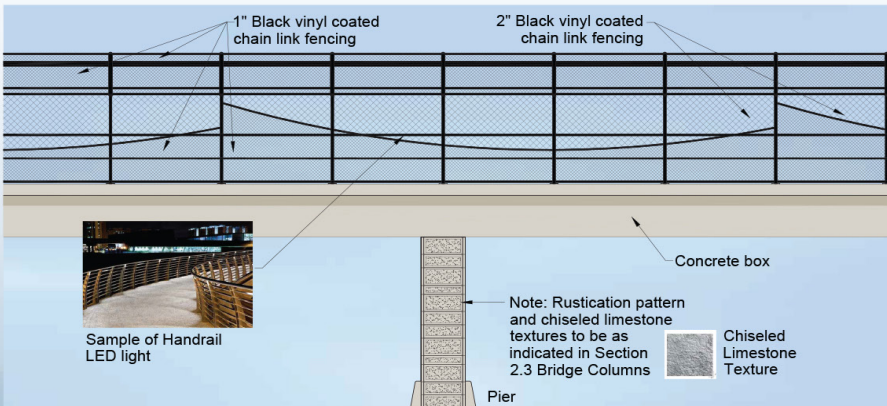




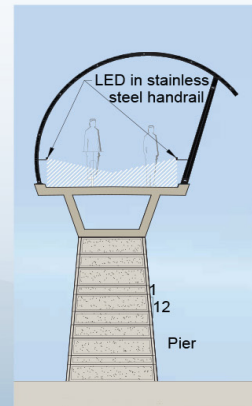
# WARNER AVENUE AND HEIL AVENUE



Plan View - Typical Section of Pedestrian Bridge



Elevation From Mainline I-405 View - Typical Section of Pedestrian Bridge



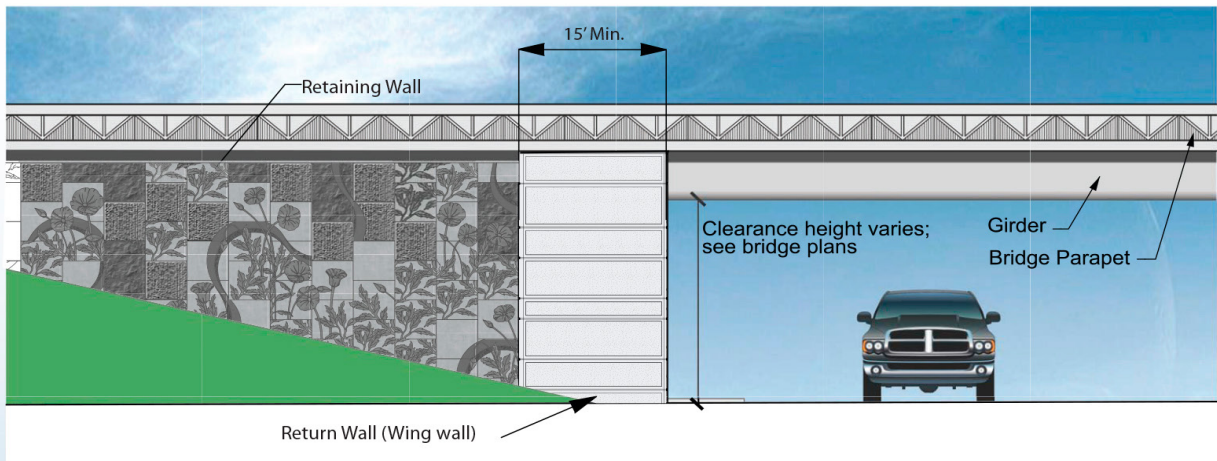
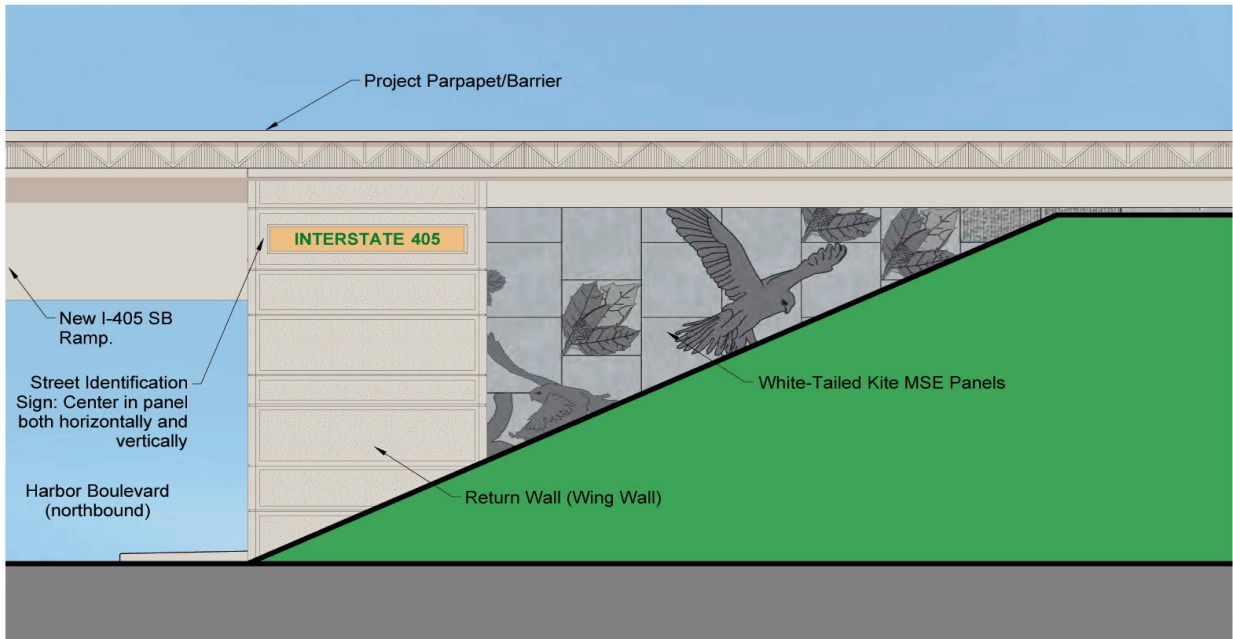
Transverse Elevations/Section

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# HARBOR BOULEVARD AND FAIRVIEW AVENUE

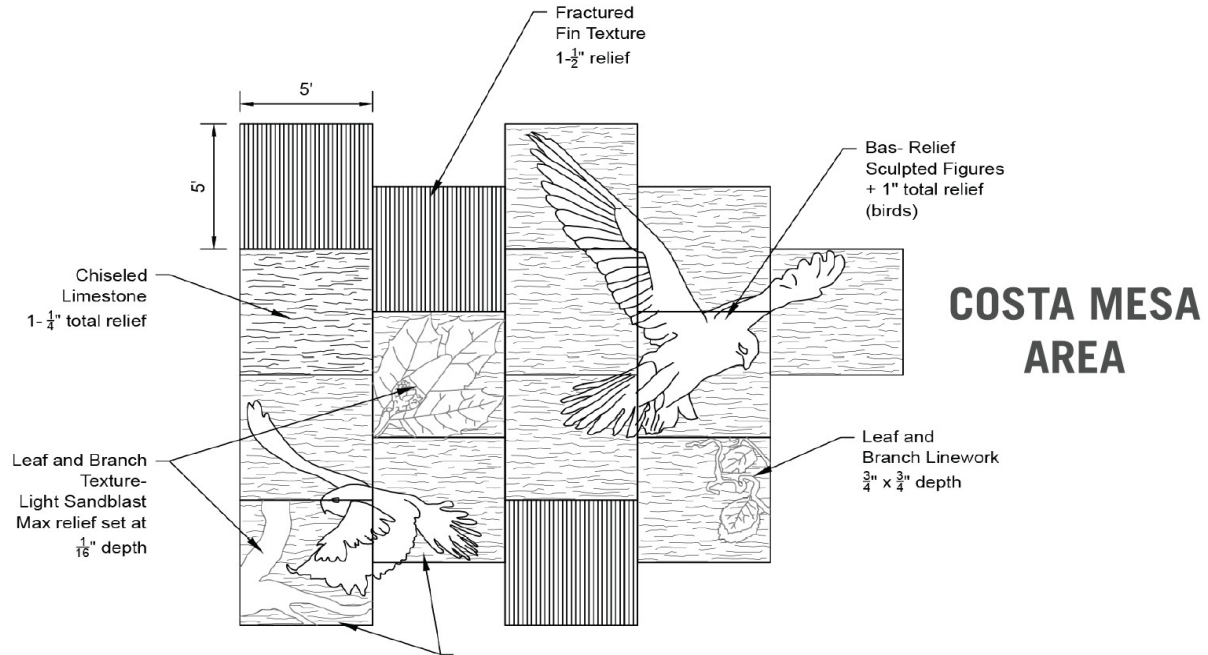


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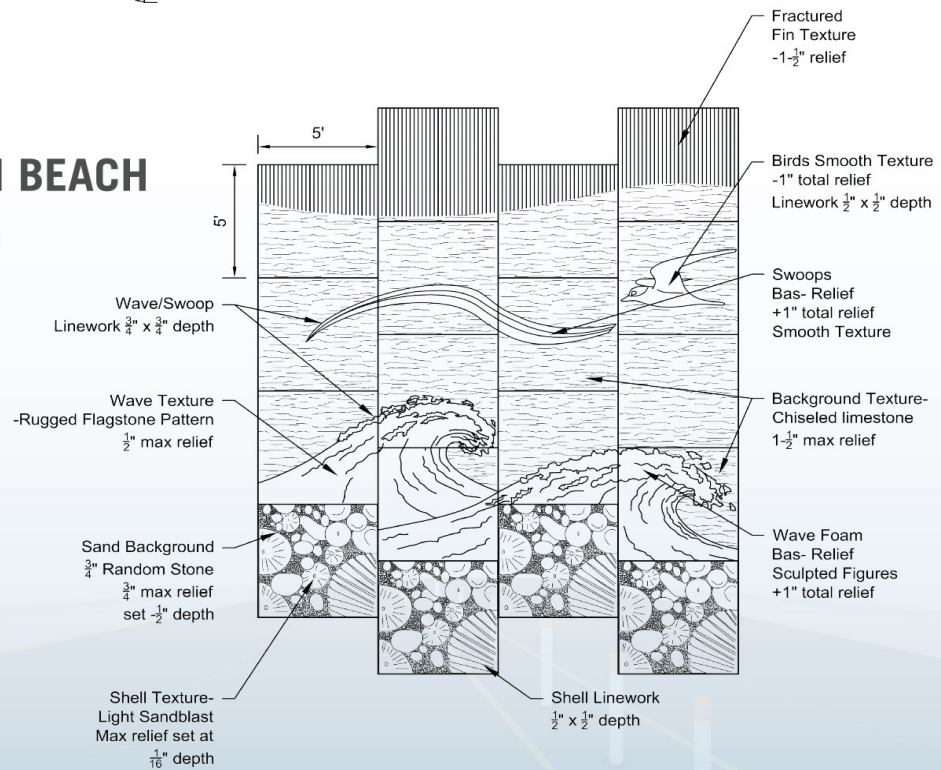




# WALL DESIGNS



## HUNTINGTON BEACH AREA

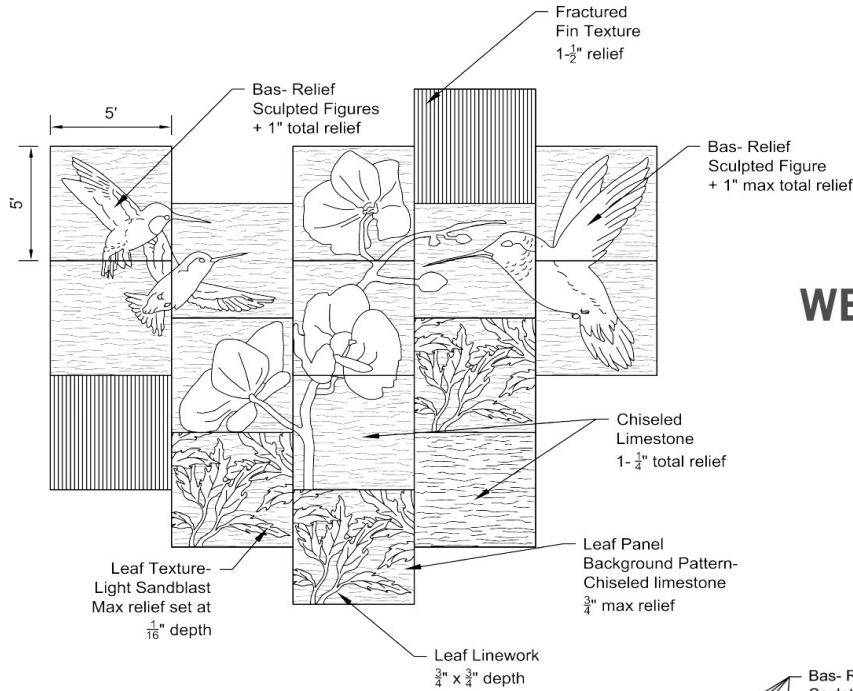


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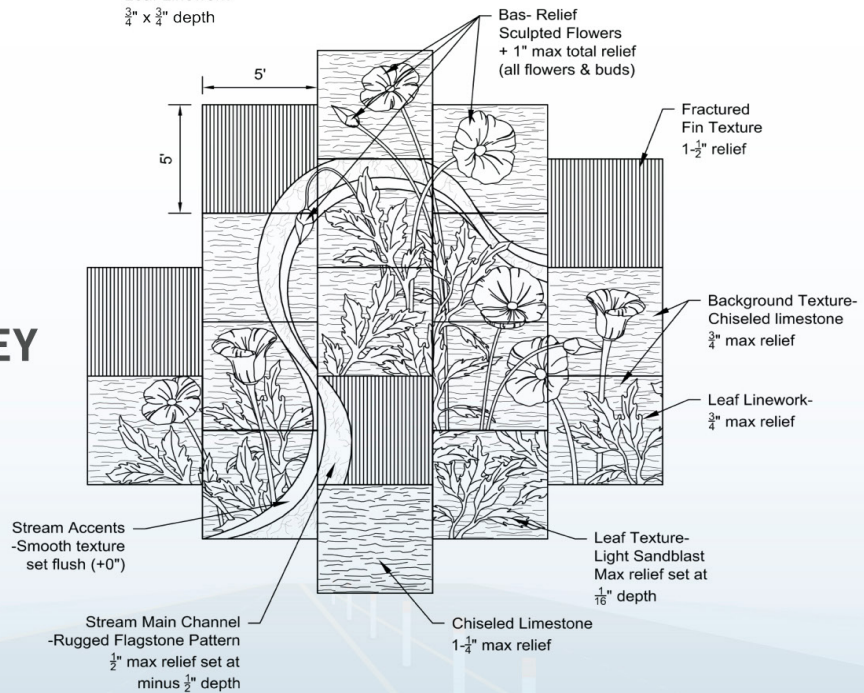




# WALL DESIGNS



## FOUNTAIN VALLEY AREA



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# PROJECT MAP



**LEGEND**

- Project Limits
- Bridge Closed to Traffic During Construction
- Bridge Open to Traffic During Construction

**Anticipated Start of Construction\***

- 2018
- 2019
- 2020
- 2021

\*Subject to Change

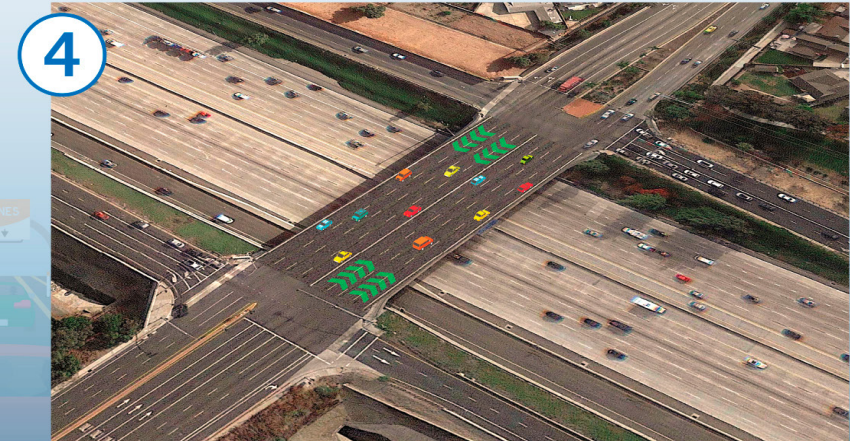
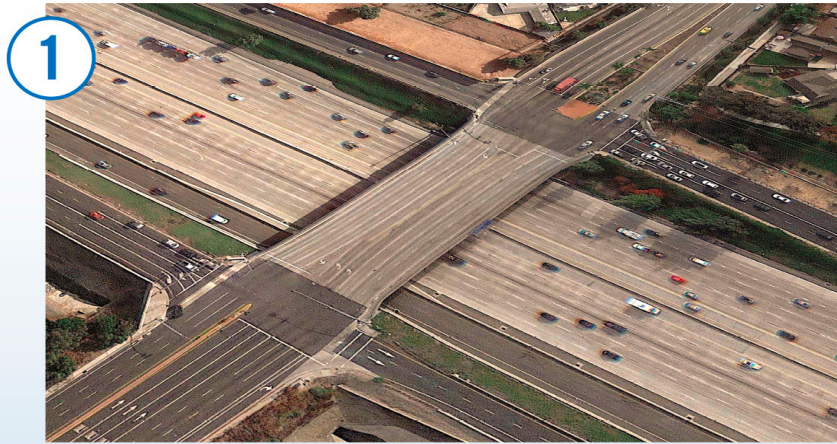


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# BRIDGE STAGING SEQUENCE



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# SIGNIFICANT PROJECT FEATURES

## BRIDGE REPLACEMENTS

	 Construction Start Date*	 No. of Lanes		 Sidewalks		 Bike Lanes	
		Current	Future	Current	Future	Current	Future
		Fairview Road	2019	10	10	NB/SB	NB/SB
Ward Street	2020	2	4	SB	NB/SB	NB/SB	NB/SB
Talbert Avenue	2019	4	6	NB/SB	NB/SB	None	NB/SB
Brookhurst Street	2020	8	8	NB/SB	NB/SB	None	NB/SB
Slater Avenue	2018	4	4	NB/SB	NB/SB	NB/SB	NB/SB
Bushard Street	2019	4	4	NB/SB	NB/SB	NB/SB	NB/SB
Warner Avenue	2020	8	8	EB	EB/WB	EB/WB	EB/WB
Magnolia Street	2019	4	6	SB	NB/SB	None	NB/SB
Heil Avenue Pedestrian	2019						
Newland Street	2020	2	4	SB	NB/SB	None	NB/SB
Edinger Avenue	2021	4	4	EB	EB/WB	None	EB/WB
McFadden Avenue	2018	2	4	WB	EB/WB	None	EB/WB
Bolsa Avenue	2019	5	7	EB	EB/WB	None	EB/WB
Goldenwest Street	2018	5	8	NB	NB/SB	None	NB/SB
Edwards Street	2021	4	4	NB/SB	NB/SB	NB/SB	NB/SB
Westminster Avenue	2019	6	6	EB	EB/WB	None	EB/WB
Springdale Street	2021	4	4	NB	NB/SB	None	NB/SB
Bolsa Chica Road	2018	4	8	NB	NB	None	NB/SB

LEGEND: (NB) Northbound (SB) Southbound (EB) Eastbound (WB) Westbound (None) No Planned Improvements \*Subject to Change



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# 405 EXPRESS LANES ACCESS POINTS



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# 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






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# 405 EXPRESS LANES INITIAL TOLL POLICY

	PEAK	NON-PEAK	PEAK	NON-PEAK
 <b>3+ Person Carpools</b>	Free	Free	Free	Free
 <b>2-Person Carpools</b>	Toll	Free	Toll	Toll
 <b>Solo Drivers</b>	Toll	Toll	Toll	Toll
	0 - 3.5 YEARS		3.5+ YEARS	

\*Opening Expected 2023

- » 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.



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# 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



collaborating to keep traffic moving during construction

**More than 1,250 PUBLIC COMMENTS**

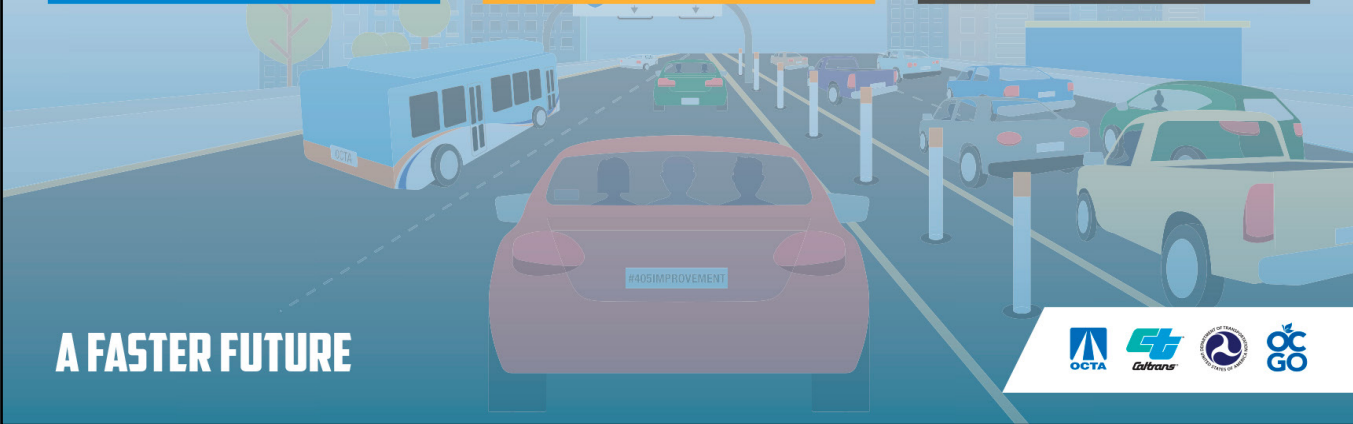


received during draft environmental doc & supplemental doc phases!

**3 LEGISLATION BILLS**



passed in relation to the project



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# BUSINESS OUTREACH

**MORE THAN**  
**1,200**  
Businesses Contacted to Date

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

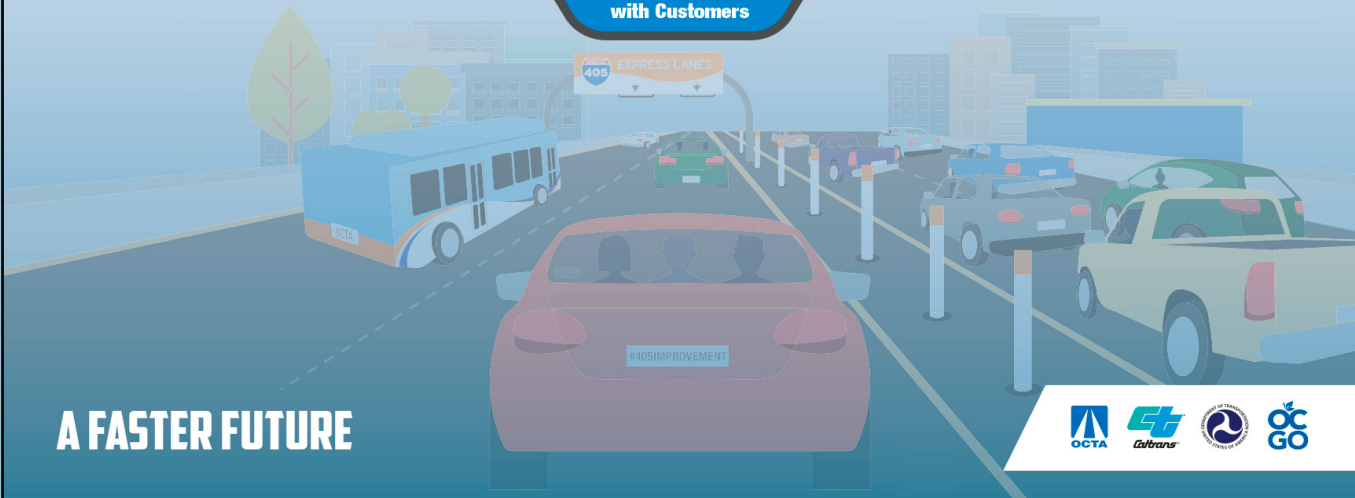
**MORE THAN**  
**100**  
MILES  
Walked by  
Outreach Staff

**405**  
**SQUAD**

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

**8**  
**DEDICATED**  
STREET TEAM MEMBERS  
met one-on-one with  
business owners

**MORE THAN**  
**500**  
**Employers**  
Willing to  
Share Information  
with Customers



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# COMMUNITY OUTREACH



Fountain Valley Business Expo



Leisure World Expo



OCTA Bike Festival - Huntington Beach



Costa Mesa Summer Concert



Rossmore Community Festival



Seal Beach Car Show



OC Tet Festival



Westminster Spring Festival

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# SCHOOL OUTREACH



MIDDLE SCHOOL



ELEMENTARY SCHOOL



HIGH SCHOOL



School  
**ACTIVITY  
BOOK**



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# INNOVATION IN COMMUNICATION



## Interactive Map

- » Planned improvements
- » Construction activities
- » Closure and detour information

[octa.net/405map](http://octa.net/405map) >>>



## OCTA Partners with Waze

- » Real-time road closure information
- » Share data with other Wazers
- » User-powered reporting



COMING SOON

## Project Mobile App

- » Interactive 3D scenes
- » Project milestones
- » Photos and videos



- [octa.net/405improvement](http://octa.net/405improvement)
- (888) 400-8994
- [405project@octa.net](mailto:405project@octa.net)
- [facebook.com/405Improvement](https://facebook.com/405Improvement)
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