



City of Lake Forest TCA Update

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Chief Strategy Officer



TCA Vision Statement

Transportation Corridor Agencies

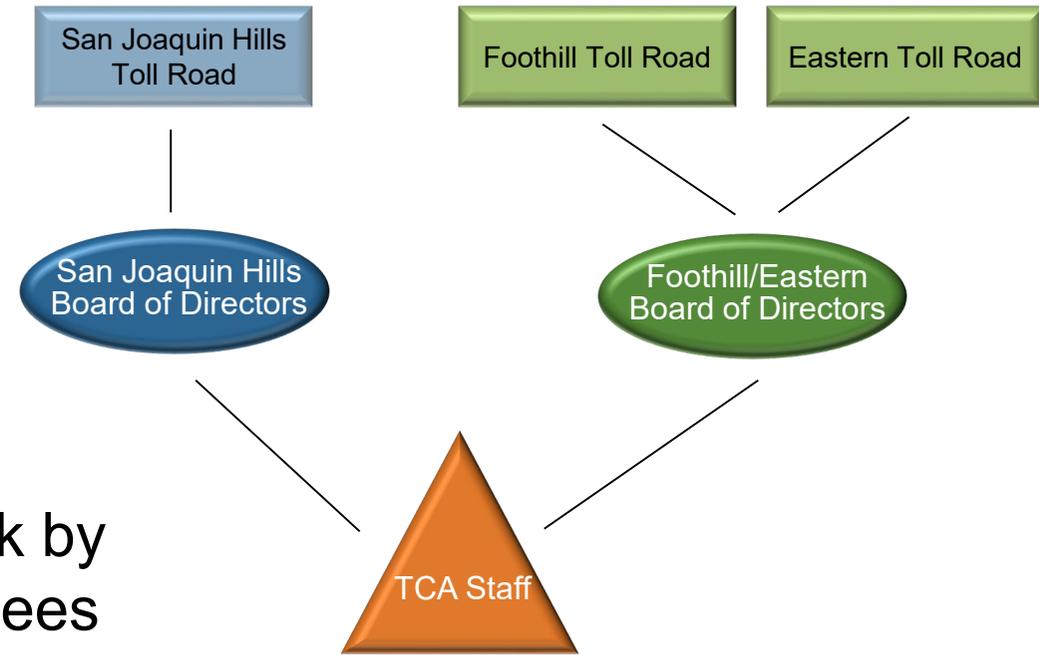
*Enhancing mobility in Orange County
and Southern California by developing
and operating publicly owned toll roads as part
of the state highway system*

TCA Legislative Authority & Structure

Transportation Corridor Agencies

- Governance
 - Joint Powers Authorities
 - Formed in 1986
 - 18 cities and three County Supervisor Districts
- The two JPAs are separate legal entities with separate finance structures (one staff)
- Authority to issue debt paid back by tolls and Development Impact Fees

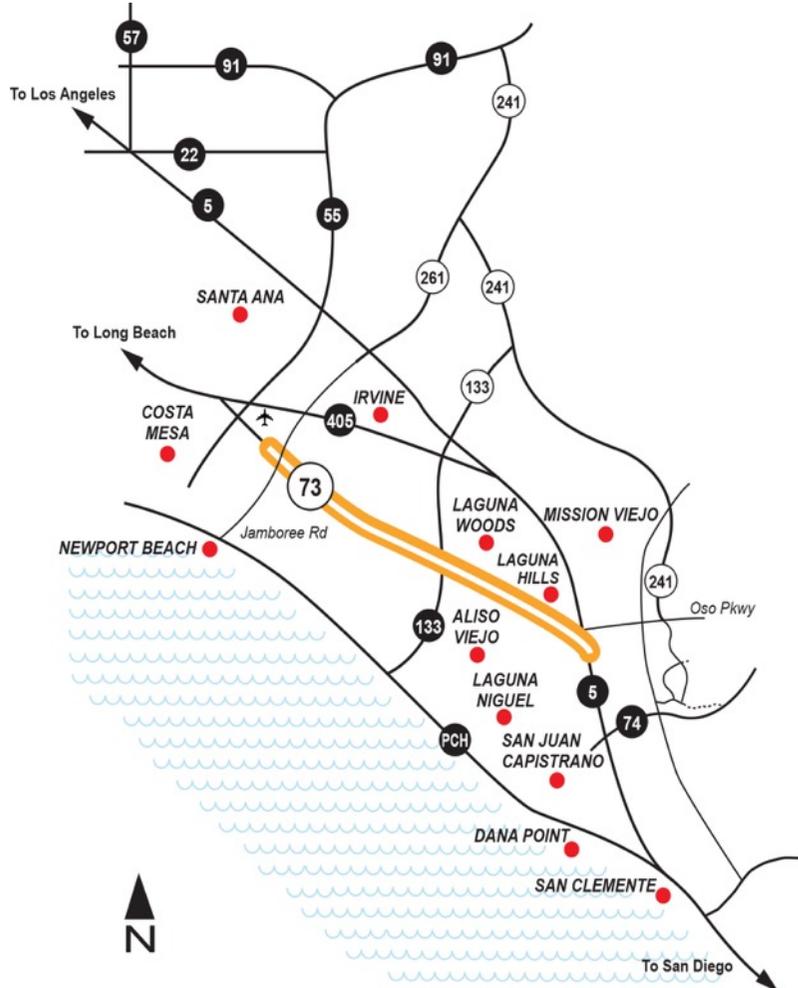
Transportation Corridor Agencies



San Joaquin Hills Cities



Transportation Corridor Agencies

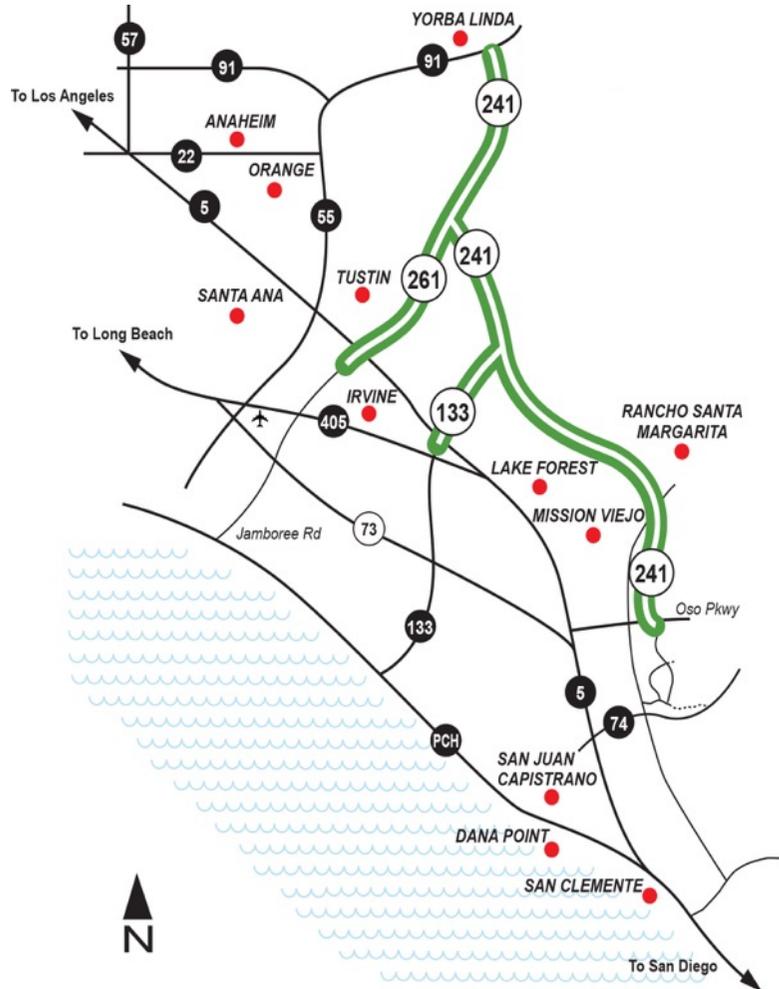


	Accounts	Average Daily Transactions	Vehicles
Aliso Viejo	19,816	9,054	39,715
Costa Mesa	24,416	3,339	48,400
Dana Point	13,211	3,234	27,537
Irvine	73,539	23,276	149,910
Laguna Hills	9,035	2,852	21,234
Laguna Niguel	23,430	7,727	49,828
Laguna Woods	4,770	614	7,227
Mission Viejo	29,936	8,767	67,337
Newport Beach	32,008	8,568	69,111
San Clemente	23,454	6,484	52,010
San Juan Capistrano	10,667	3,647	26,309
Santa Ana	26,686	4,575	63,516

Foothill/Eastern Cities



Transportation Corridor Agencies



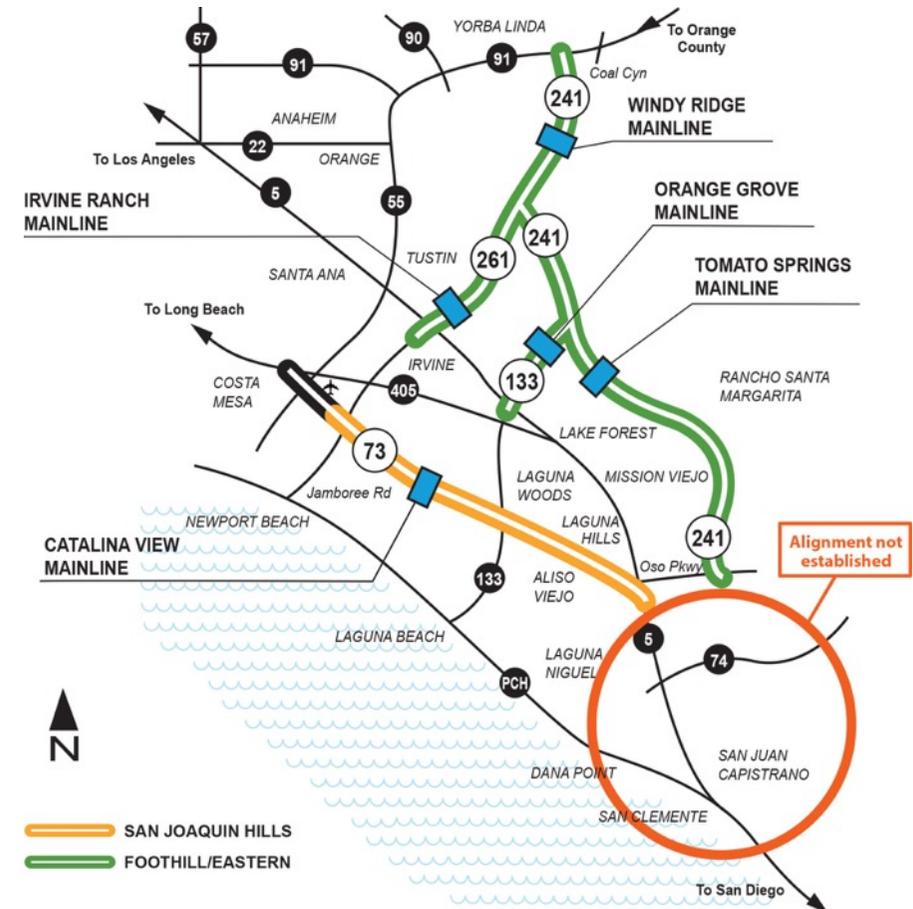
	Average Daily		
	Accounts	Transactions	Vehicles
■ Anaheim	28,793	6,109	64,053
■ Dana Point	13,211	3,234	27,537
■ Irvine	73,539	23,276	149,910
■ Lake Forest	34,739	24,072	85,944
■ Mission Viejo	29,936	8,767	67,337
■ Orange	14,824	3,247	36,771
■ Rancho Santa Margarita	17,495	15,631	41,324
■ San Clemente	23,454	6,484	52,010
■ San Juan Capistrano	10,667	3,647	26,309
■ Santa Ana	26,686	4,575	63,516
■ Tustin	14,981	3,210	31,526
■ Yorba Linda	13,472	4,688	33,062

The Toll Roads

- 51 miles open
 - 20 percent of OC's major highway system
 - 325,000 daily transactions
 - \$380 million annual toll revenue
 - 1.5 million accountholders
 - Built as parallel alternatives to I-5, I-405 and SR-55 freeways
 - Even drivers who don't use The Toll Roads benefit



Transportation Corridor Agencies



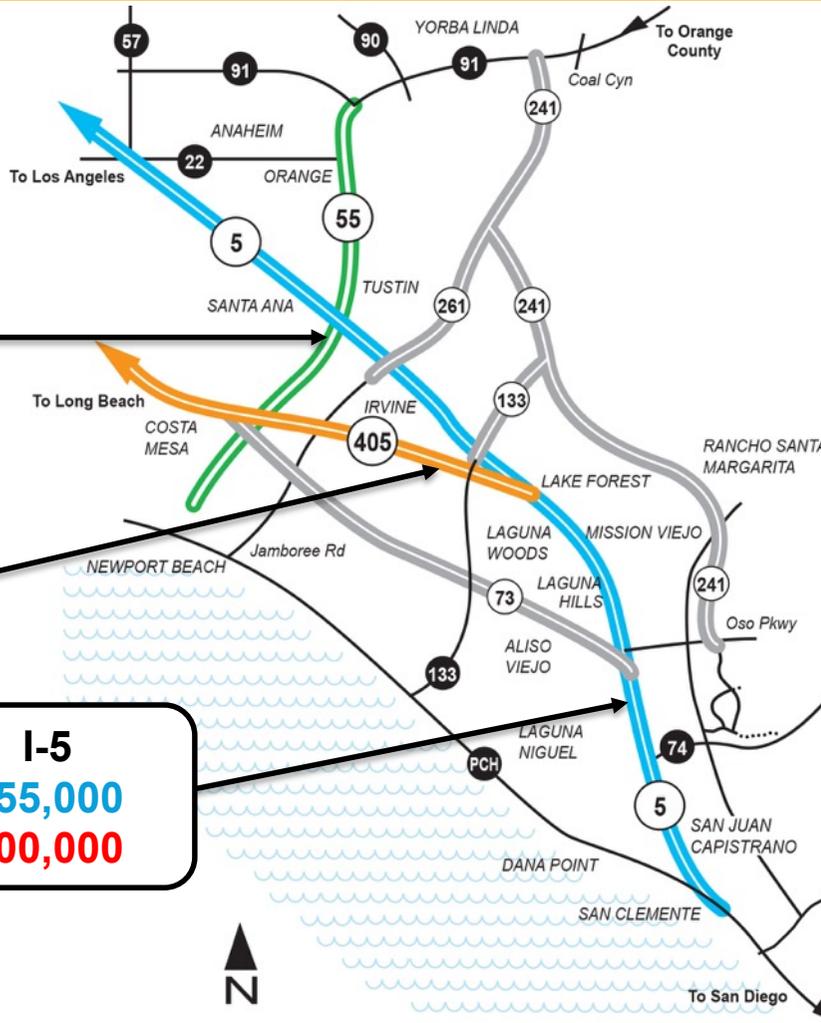
Orange County without The Toll Roads

With Toll Roads
Without Toll Roads

SR-55
280,000
335,000

I-405
290,000
370,000

I-5
355,000
400,000



Transportation Corridor Agencies

Top Ten Busiest Interstate Freeways Including OC Freeways (without The Toll Roads)

1	400,000	I-5	Mission Viejo
2	374,000	I-405	Los Angeles
3	370,000	I-405	Irvine
4	335,000	SR-55	Orange
5	329,500	I-90	Chicago
6	328,000	I-95	Miami
7	328,000	I-110	Long Beach
8	310,000	I-45	Houston
9	300,000	I-605	Long Beach
10	300,000	I-80	San Francisco

Financial Stability/Sustainability

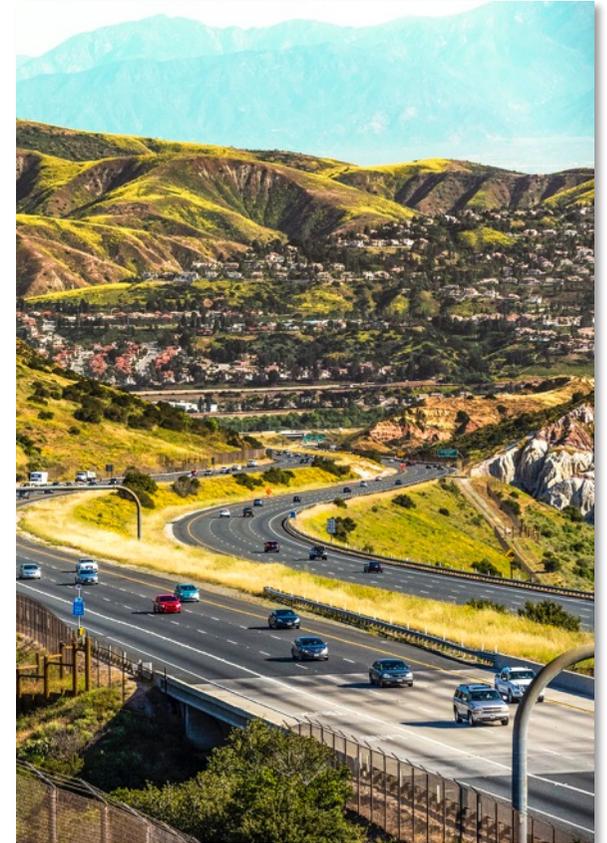
Transportation Corridor Agencies

- Toll-revenue bonds issued to fund construction
- 25+ years of on time and full value debt payments made
- Refinancings in 2013 and 2014
 - Took advantage of historically low interest rates
 - Established debt structures to align with historical revenue growth
- All three major credit rating agencies rate both TCA's as investment grade

MOODY'S

FitchRatings

S&P Global



241/91 Express Lanes Connector

Transportation Corridor Agencies

- Median-to-median connector providing direct access into the 91 Express Lanes
 - Northbound 241 to Eastbound 91 Express Lanes and Westbound 91 Express Lanes to Southbound 241
 - ~\$180M project cost
- Improves mobility by enhancing an alternative to SR-55 and local streets
- Enhances safety by reducing weaving across general purpose lanes
- Maintains 91 Express Lanes operational performance levels



MILESTONE	DATE
Final Environmental Document Completion	Anticipated by late 2019
Final Design Completion	TBD
Construction Begins	TBD
Express Connector Opens	TBD

Traffic Study: Build-241/91 Express Lanes Connector

Transportation Corridor Agencies

SHORTENS DRIVE TIMES
for general purpose lane drivers on the 91 freeway*

WESTBOUND

EASTBOUND

AM

26
MINUTES

UP TO

45
MINUTES

PM

McKinley St. to 55

55 to McKinley St.

**During Peak Period,
5-10a(WB), 2-7p (EB)*

Traffic Study:

No Build (by 2025): 241/91 Express Lane Connector

Transportation Corridor Agencies

DELAYS DRIVE TIMES
for general purpose lane drivers on the 91 freeway

WESTBOUND

EASTBOUND

7 AM

12
MINUTES

UP TO

45
MINUTES

6 PM

McKinley St. to 55

55 to McKinley St.

Traffic Study – Build: 241/91 Express Lanes Connector

Transportation Corridor Agencies

AVERAGE TIME SAVINGS

**2 WEEK
VACATION!!**

20

MINUTES
PER DAY

90

HOURS
PER YEAR*

2

WEEKS
PER YEAR

**Work Week Only*

Challenge from within Orange County

Transportation Corridor Agencies

310,000

NEW PEOPLE BY 2040*

275,000

NEW JOBS BY 2040*

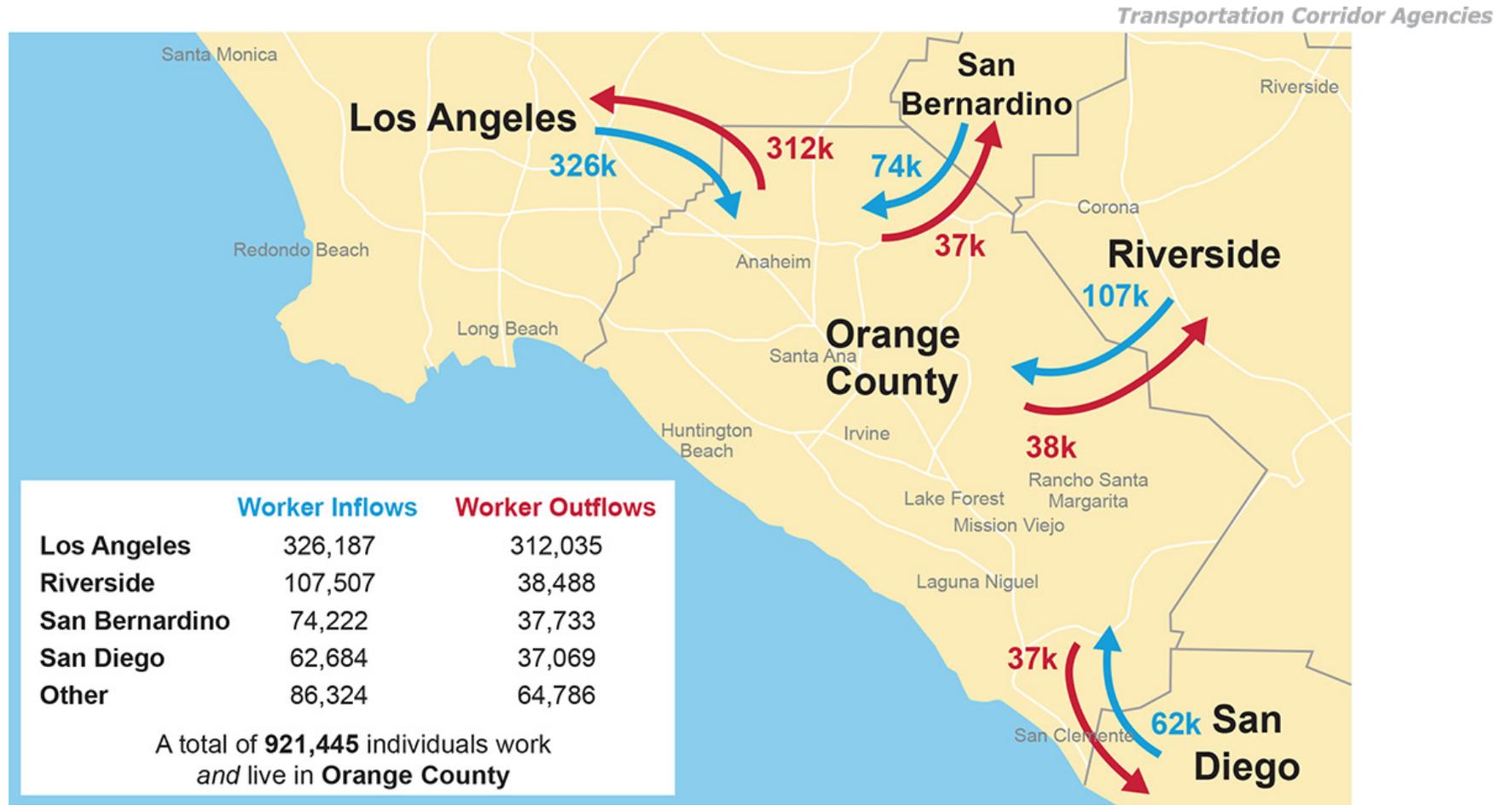
120,000

NEW HOMES BY 2040*



**Based on 2015 to 2040 growth projections per OCTA 2018 LRTP*

Mobility Challenges From Outside Orange County



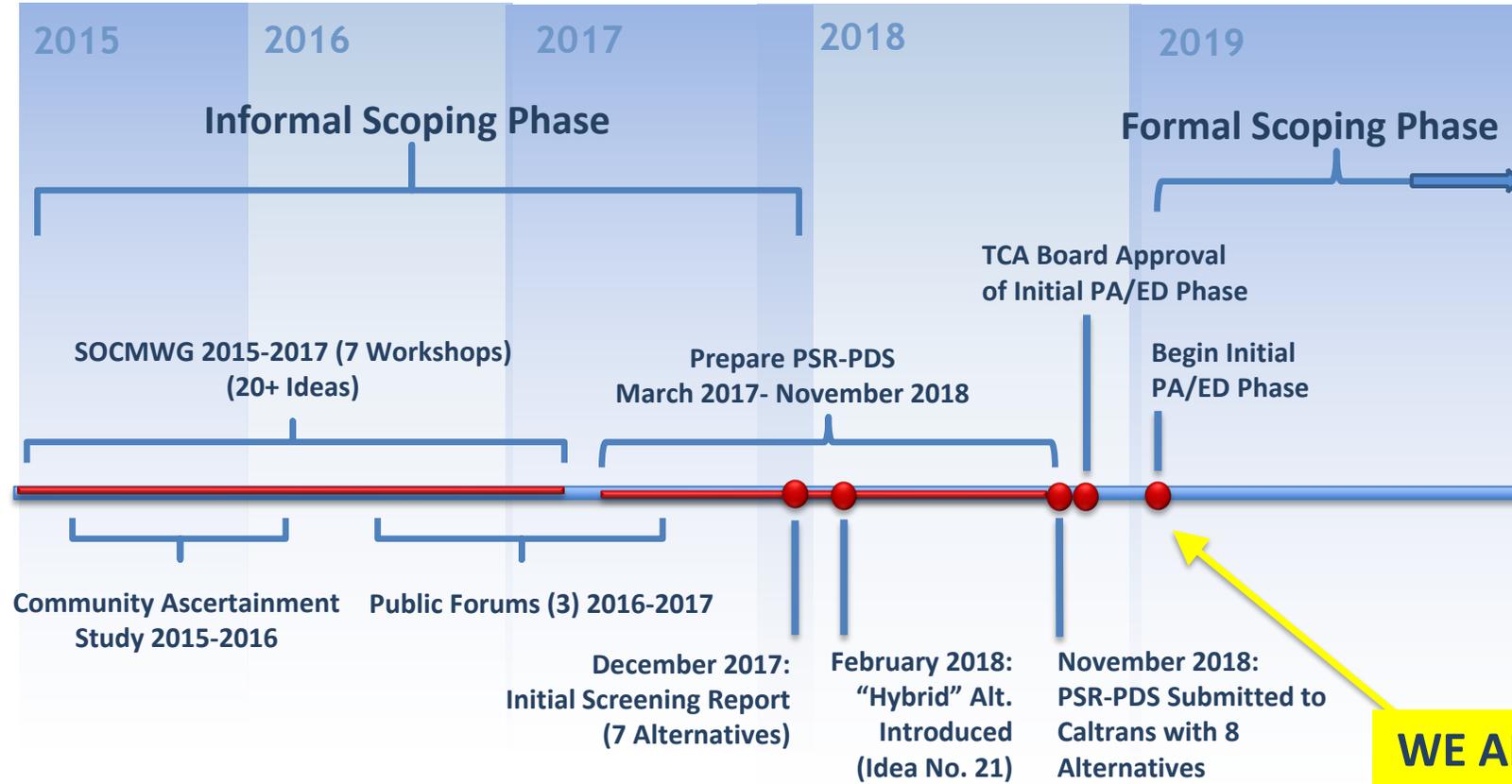
South County Traffic Relief Efforts

Transportation Corridor Agencies

- “Time-Out” Called by CEO (2014)
- Community Ascertainment Study identified need (2015/2016)
- Local transportation leaders further defined need and generated improvement ideas (2016)
- Settlement Agreement signed (2016)
- Public Forums provided feedback and ideas (2016/2017)
- "Initial Screening" sorted ideas/recommended a short-list (2017)
- Project Study Report (PSR) Phase initiated (2017/2018)

Background

Transportation Corridor Agencies

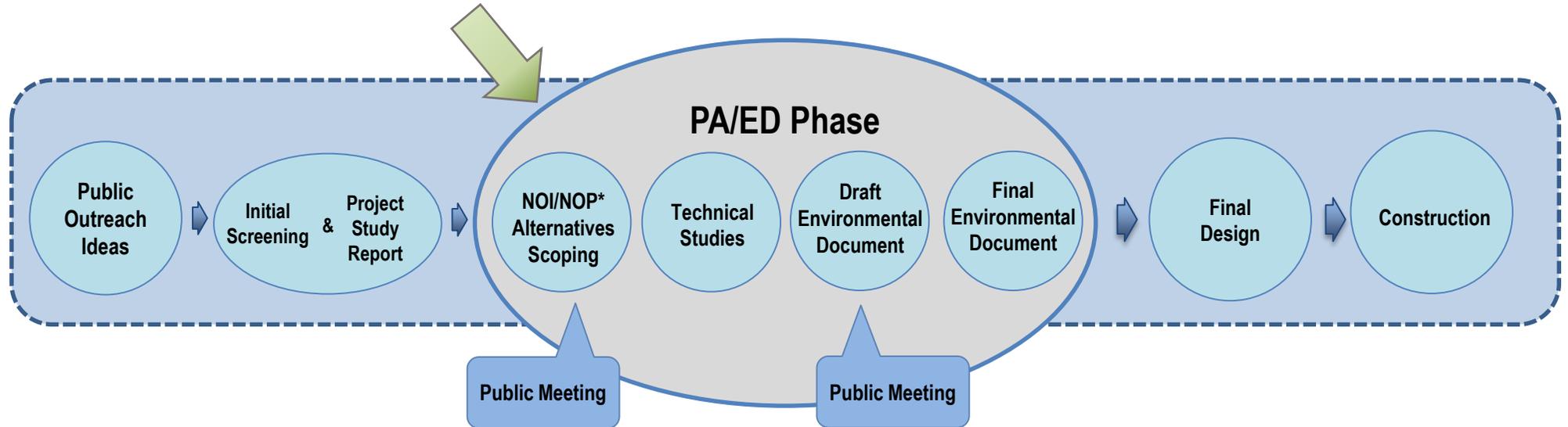


South County Traffic Relief Effort (SCTRE)

Project Approval/Environmental Document Phase

Transportation Corridor Agencies

WE ARE HERE



Timeline

* Notice of Intent/Notice of Preparation

** Estimate only

Stay Connected

Transportation Corridor Agencies



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949-754-3400

Innovative Environmental Stewardship

Transportation Corridor Agencies

- 25 years of environmental success
- More than 2,200 acres of native habitat
- Over \$125M on environmental programs
- Home to multiple species, including:
 - Coastal California Gnatcatcher
 - Brodiaea
 - Coastal Cactus Wren
 - Mountain Lion
- Wildlife monitoring and movement studies
- Provides improved air quality



Maintaining Wildlife Corridors and Connectivity

Transportation Corridor Agencies



Wildlife Safety Improvement Fence

Transportation Corridor Agencies



- Protects drivers, mountain lions & other wildlife by keeping animals in natural habitat
- Fence is:
 - 6.5 miles long
 - 10 to 12 feet in height
 - Buried 24 inches
 - 18-inch outrigger to prevent jumping
- Jump-out-ramps located every 1/2 mile allow for escape
- 3-year post-construction monitoring for effectiveness
- New fence design sets the model for transportation agencies in the region

Signage Enhancements Project

Transportation Corridor Agencies



- Modifications, removals, replacements and sign overlays
 - Approximately 600 signs
 - Removal of one overhead sign structure
 - Installation of two new overhead sign structures
 - Removal and installation of associated guard rail
 - Notice to Proceed anticipated April 2019
 - Anticipated construction: 9-12 months

Enhancements (Toll Roads Mainline)

Transportation Corridor Agencies

Existing



Proposed



Northbound SR 241 at Windy Ridge

Oso Bridge

- Oso Bridge & Gap not part of the Los Patrones project
- Includes construction of bridge and new pavement between Los Patrones and 241
- Oso Bridge Project improves traffic operations, safety and increases ridership to existing 241 system

Transportation Corridor Agencies



Oso Bridge Project

Transportation Corridor Agencies

- **Oso Bridge Project**
 - New bridge at Oso Parkway
 - Extends 241 to tie into Los Patrones Parkway
 - Improves traffic operations and safety
- **Construction began August 1, 2018**
 - Estimated cost \$30 million – TCA Funded
 - Estimated completion date: August 2020



Los Patrones Parkway

- Los Patrones Parkway
 - New transportation corridor in Rancho Mission Viejo
- Project cost \$103 million
- Rancho Mission Viejo is the construction lead with regulatory oversight delivered by the County of Orange
- Project funding provided by TCA

