

Metro Highway Program

Abdollah Ansari
Sr. Executive Officer

January 2020



Remember This?!

The Good

The Bad, and

The Ugly

THE UGLY



I-405 Freeway 1958



I-405 Freeway Today

Recurring Congestion



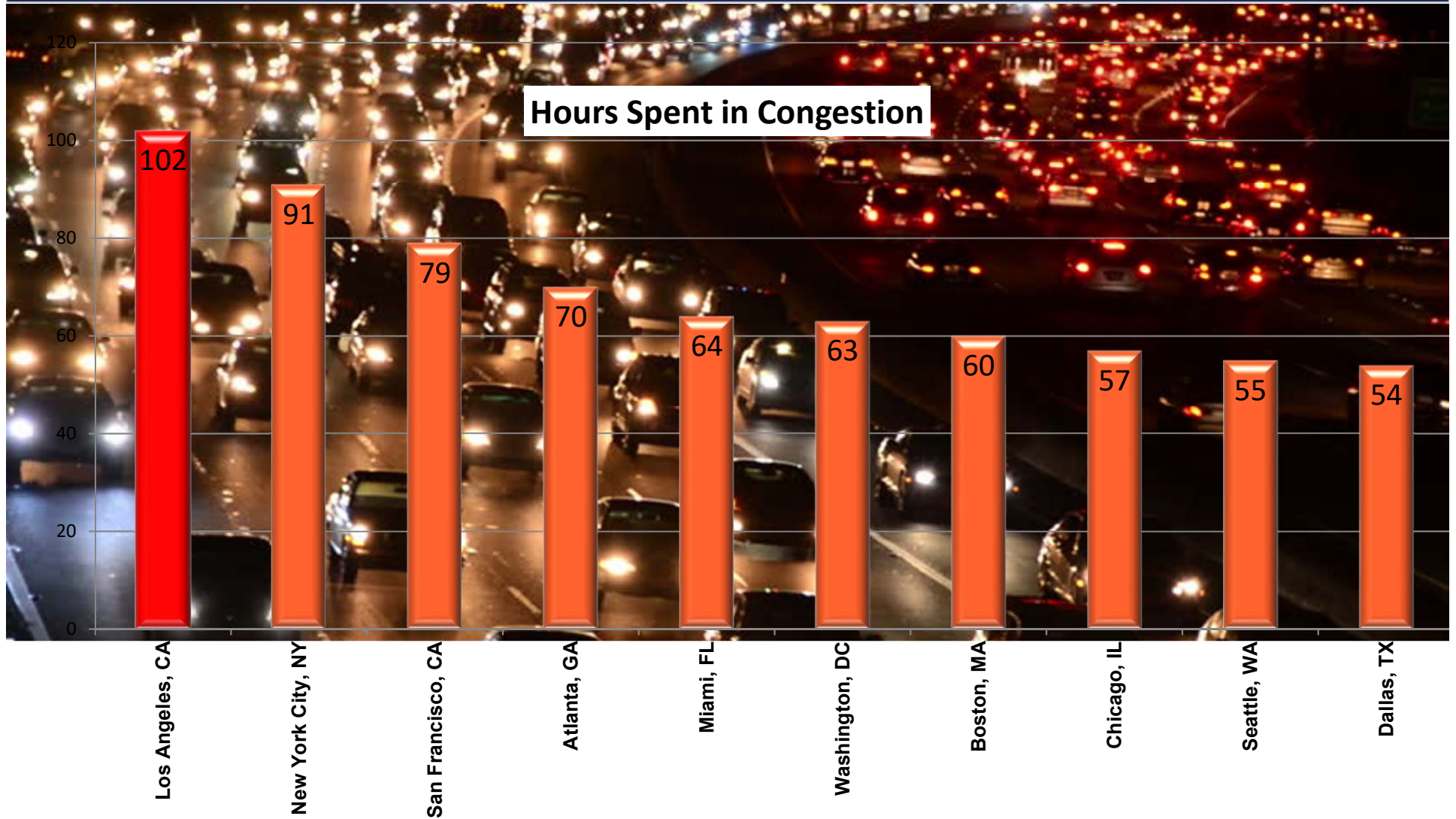
Non-Recurring Congestion



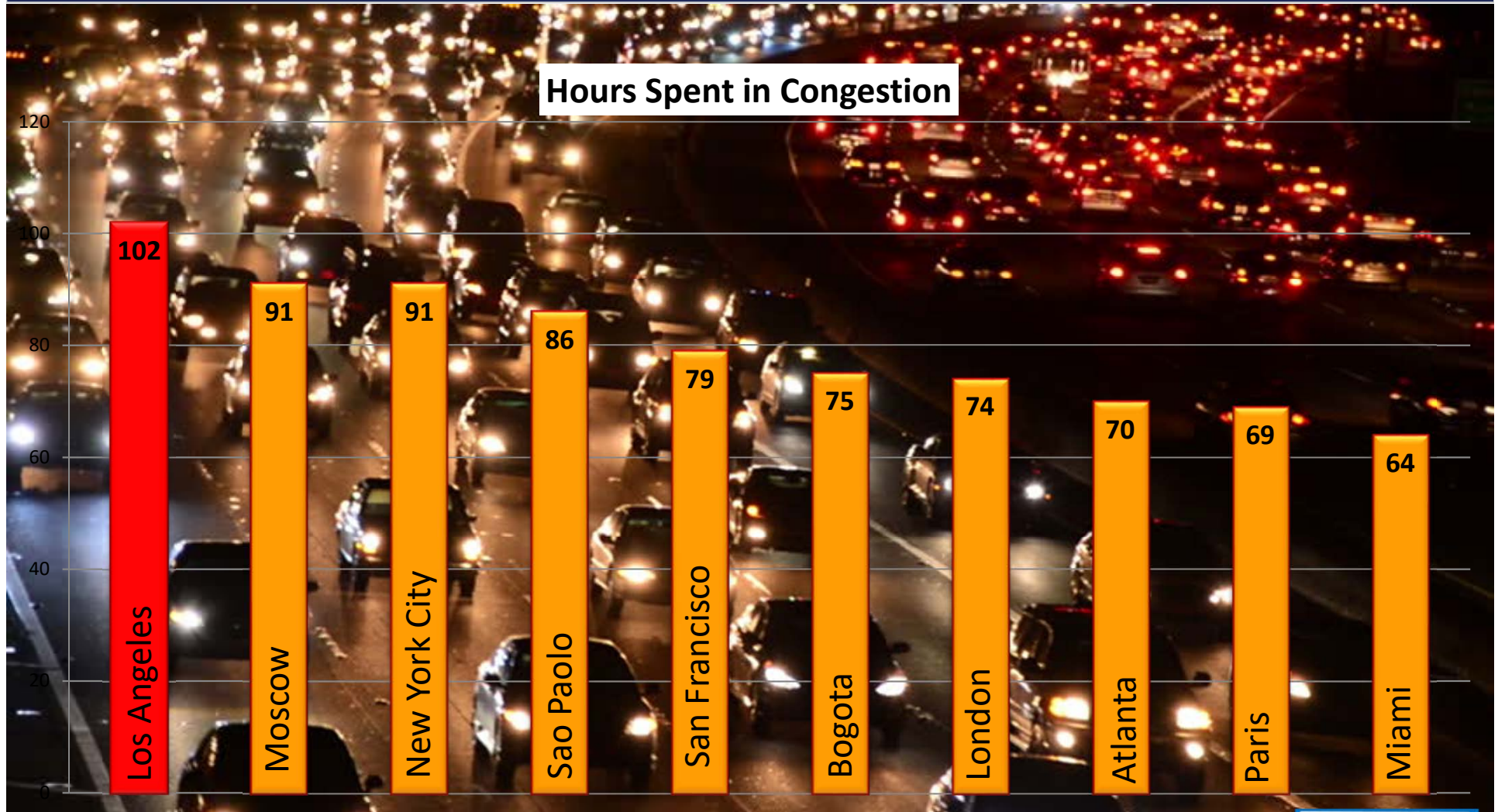
America's Top Bottlenecks - 2015



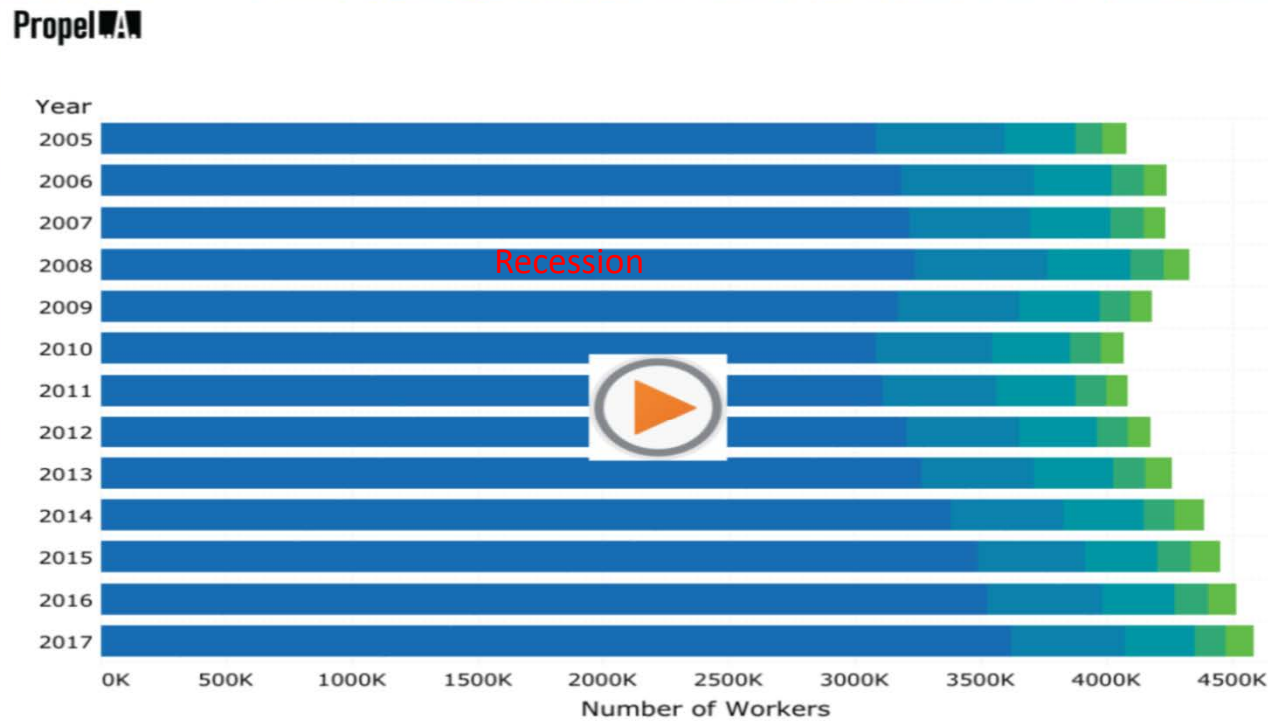
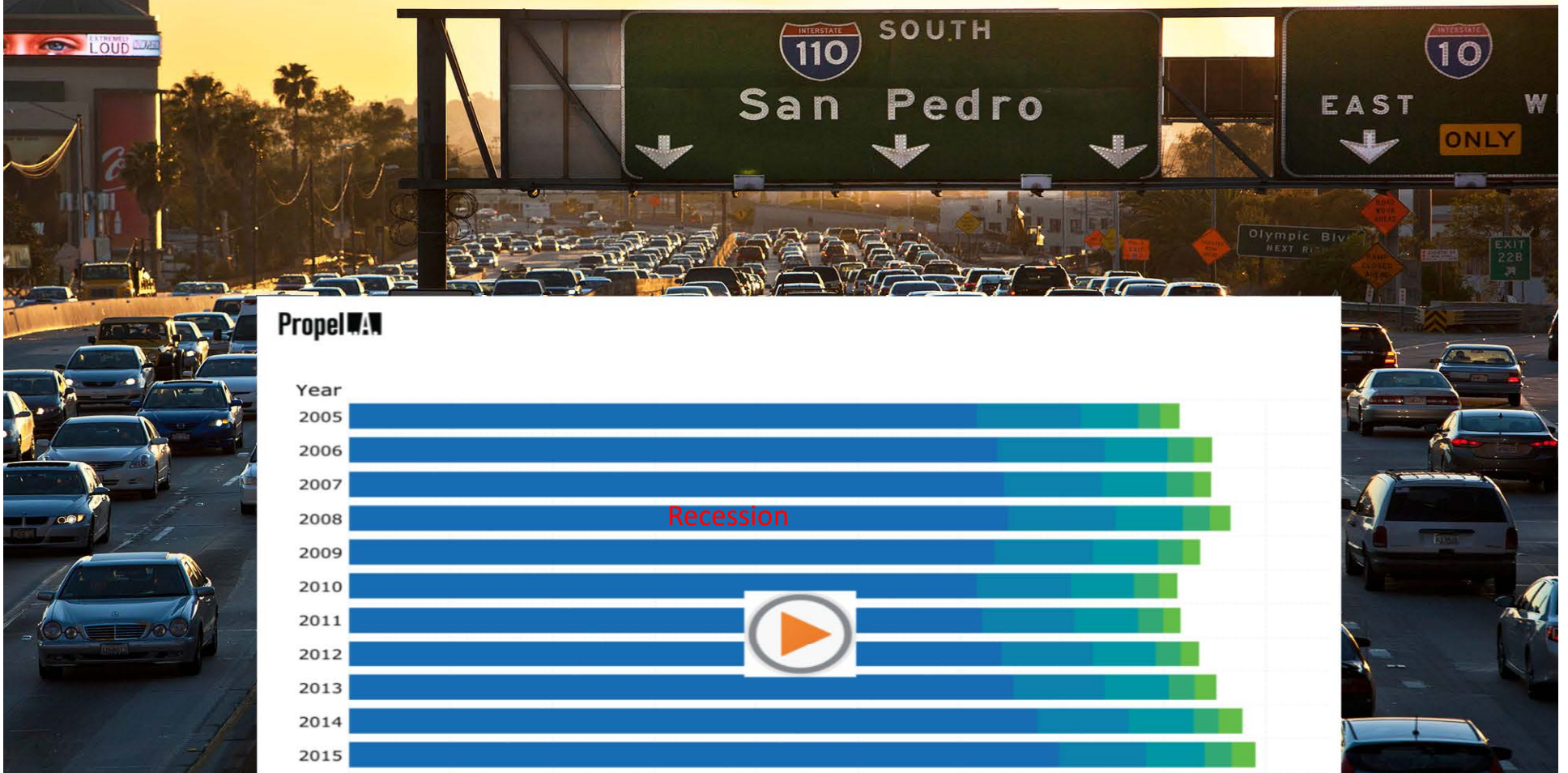
United States Top Congested Cities - 2017



Global Top Congested Cities - 2017



Means of Transportation to Work LA County Residents 2005-2017

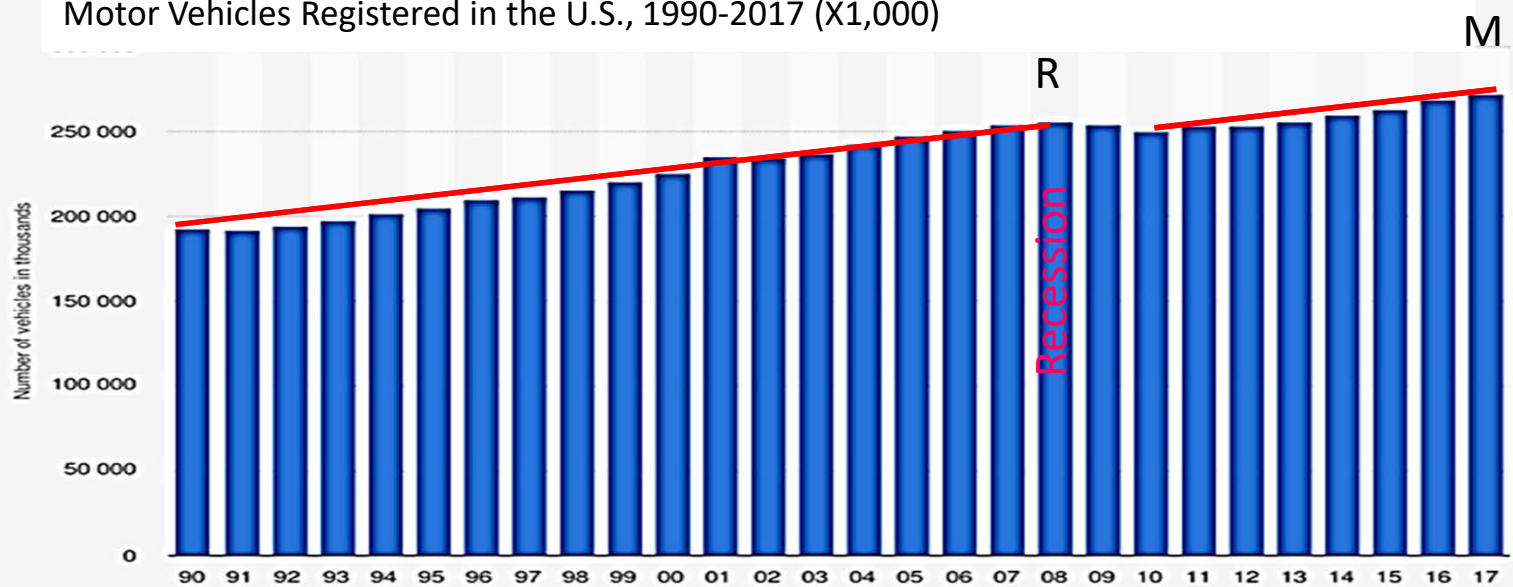


Means of Transportation to Work
 ■ Drove Alone ■ Carpooled ■ Public Transportation ■ Walked ■ Other Means
 Sources: U.S. Census Bureau, American Community Survey 1-Year Estimates

Growth in U.S. Market Demand for Vehicles



Motor Vehicles Registered in the U.S., 1990-2017 (X1,000)



Sources

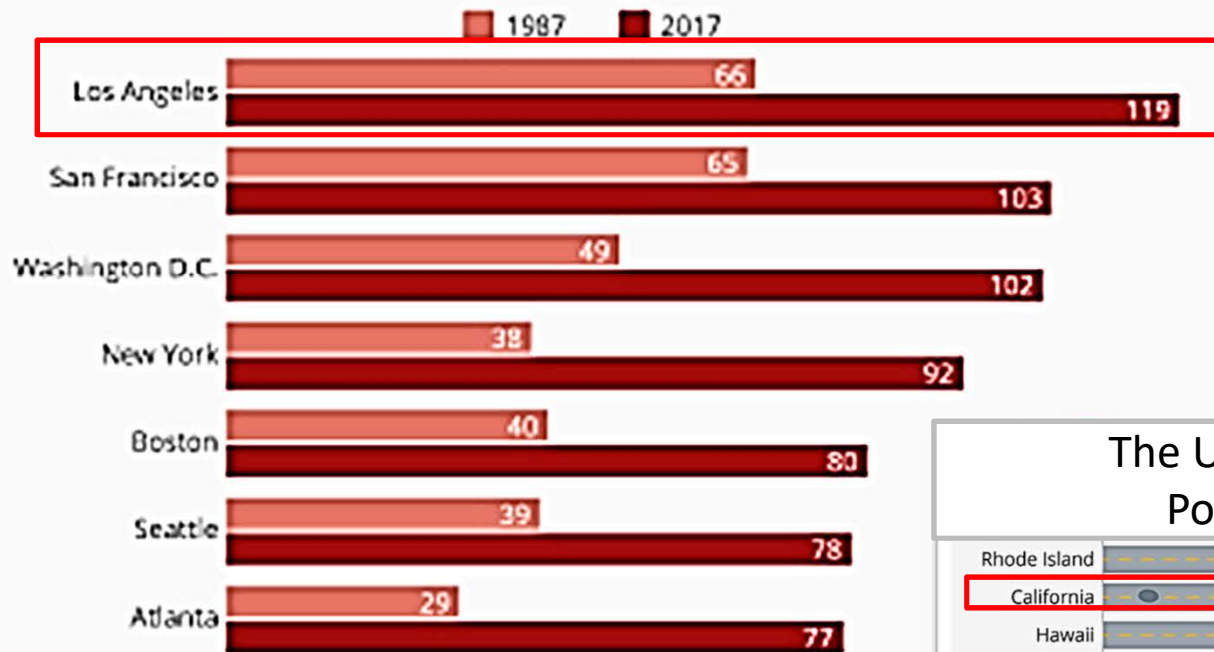
US Department of Transportation; Federal Highway Administration
© Statista 2019

Additional Information:

United States; US Department of Transportation; Federal Highway Administration

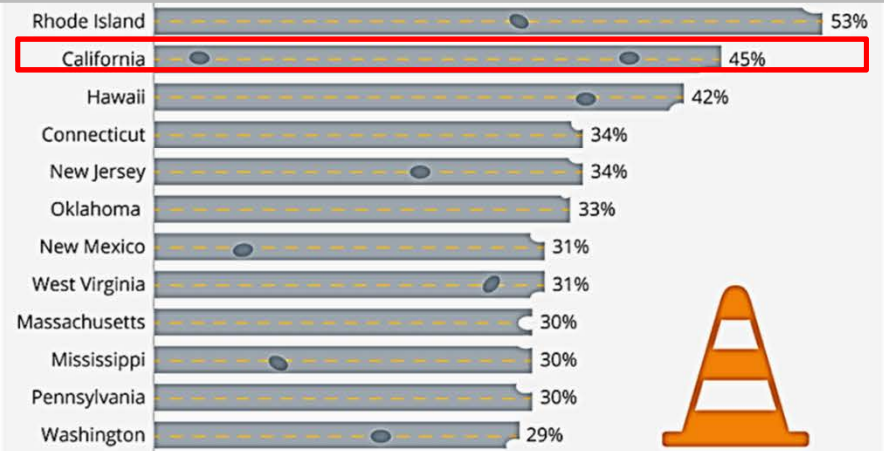
Impact on the Transportation System

Annual Average Hours of Delay Per Commuter



* City boundaries encompass surrounding metro areas as defined by the Census Bureau. Peak hours are between 6:00AM-10:00AM and 3:00PM-7:00PM.
 © StatistaCharts Source: University of Austin, Texas

The U.S. States with Roads in Poor Condition” - 2017



© StatistaCharts Source: Transportation For America



statista



Land use decisions and Traffic Demand

Top US cities with the longest commutes
(2017)

Rank	City	Avg. Round Trip Commute (min.)	% Population commuting 2+ hrs round-trip per day	Car %	Public Transit %	Walk %	Bike %
1	Palmdale	85.4	35	91.4	2	0.8	0.2
4	Corona	73.4	23.6	90.7	1.6	1.2	0.1
6	Santa Clarita	69.8	19.7	87.9	3	1.2	0.5
8	Moreno Valley	68.6	17.1%	92.7	1.5	0.7	0.3

California Statistics 2018

- ~ **\$7.1 million** full-time jobs in California in key industries like tourism, retail sales, agriculture and manufacturing are completely dependent on the state's transportation network.
- **\$14 billion/year** cost of driving on deteriorated roads
- **56%** of California's bridges are at least 50 years old (8th in the nation)
- **\$29.1 billion** each year in the form of lost time and wasted fuel on congested roads
- **\$9.8 billion** in economic loss in 2016 resulting from accidents related to deficient roadway features
- **\$1800/year** cost of lost time and wasted fuel per driver
- **876** traffic accident-related deaths per year between 2014 and

Los Angeles Area Statistics 2018

- **79%** of roads are in poor/mediocre condition
 - \$900+ per driver cost of extra vehicle operating costs
- **4%** of bridges 20' or longer have significant structural deficiencies
- **~2 working weeks** time per driver per year wasted in congestion
 - **\$1800/year** cost of lost time and wasted fuel per driver
- **876** traffic accident-related deaths per year between 2014 and 2016

Los Angeles County Area Statistics

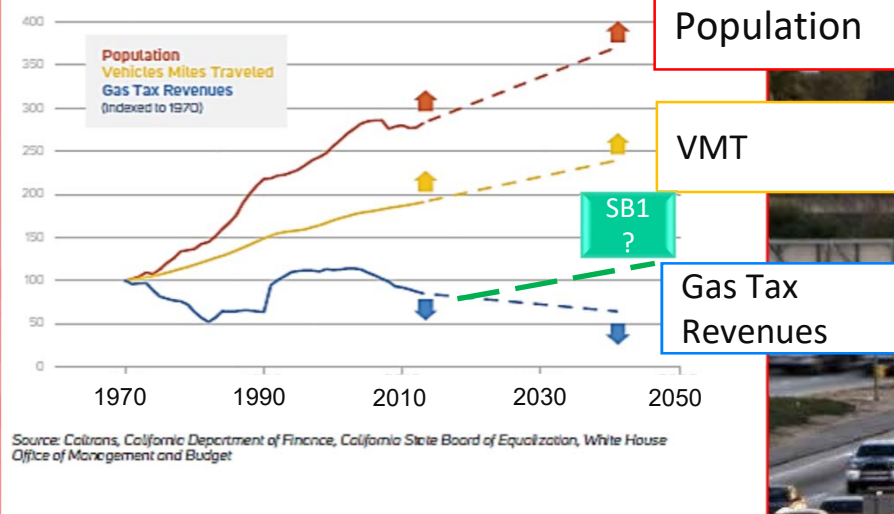
- ❑ 9.8 million people (2010 Census)
- ❑ 3.9 million workers commute by car or carpool (82% of the workforce)
- ❑ 220 million Daily Vehicle Miles Travelled
- ❑ 7.8 million vehicles registered in LA County
- ❑ 471,000 workers commute into LA County from other counties every day
- ❑ 6.6 million drivers licenses

THE BAD

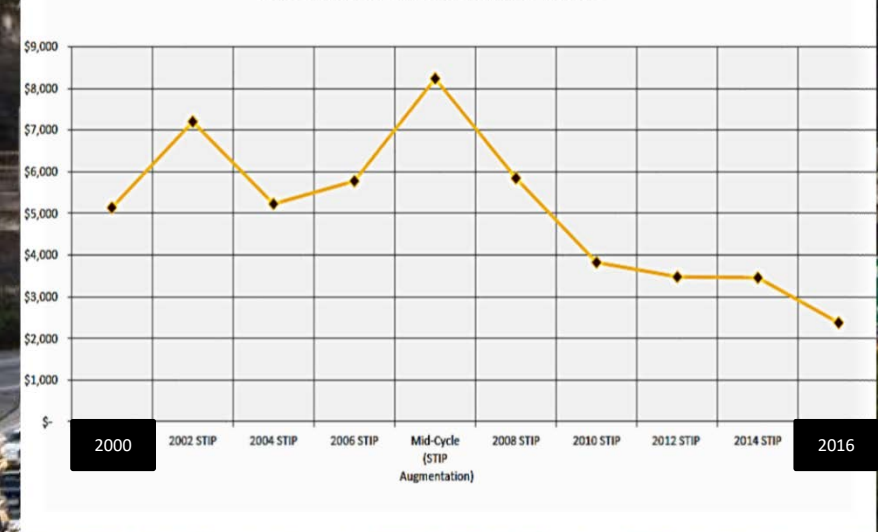


If we know all that, Why things don't work?!

FIGURE 3.1 CALIFORNIA POPULATION, TRAVEL AND GAS TAX REVENUE TRENDS



HISTORIC STIP PROGRAMMING LEVELS



Manchester Blvd
La Cienega Blvd 42 ONLY

- Inaccurate assumptions
- Irrelevant comparisons
- Incorrect directions
- Local priorities leading to regional losses
- Play it safe

NOT IN MY BACKYARD!

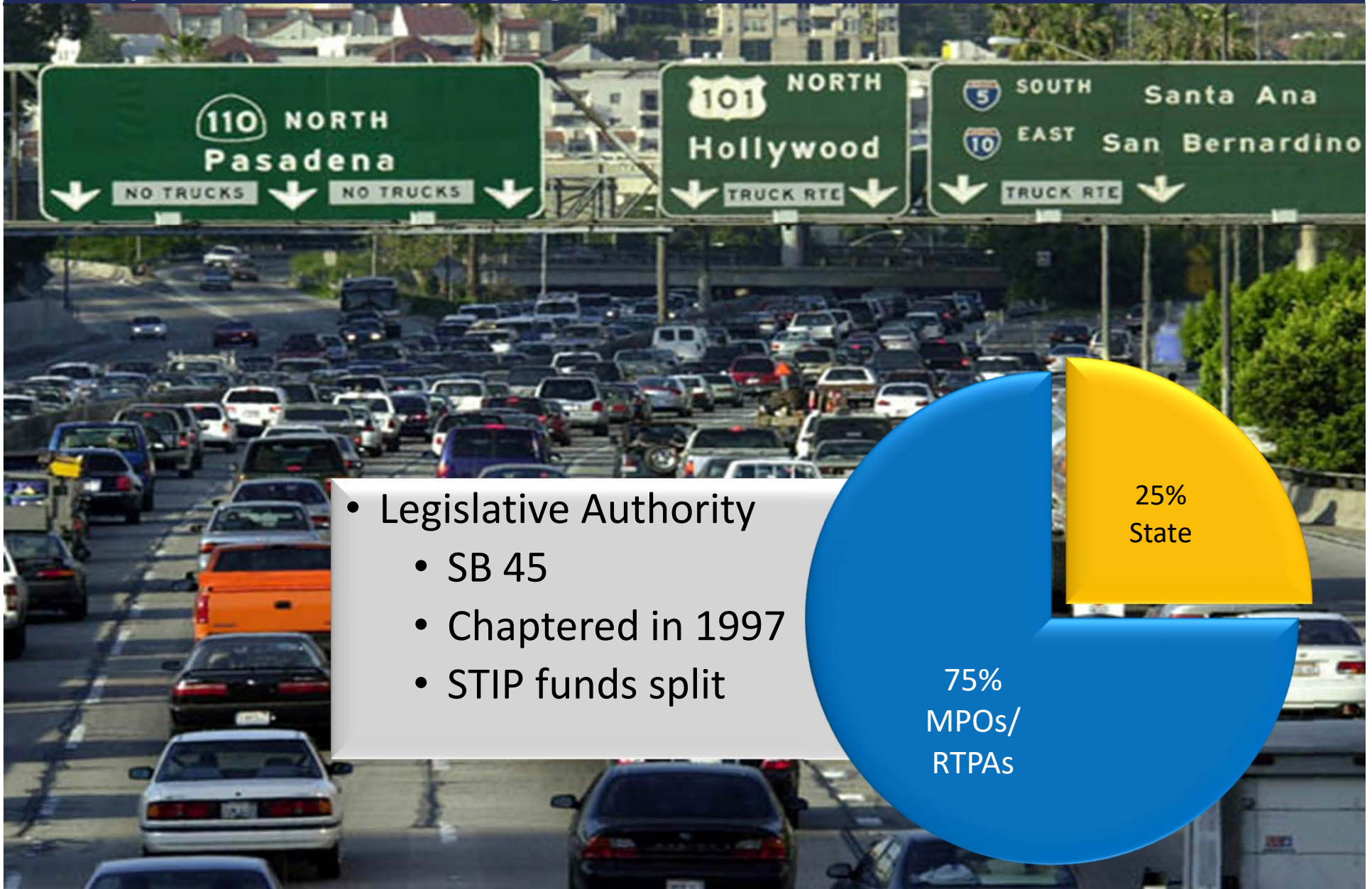


"If you build it, they will come"
-unknown

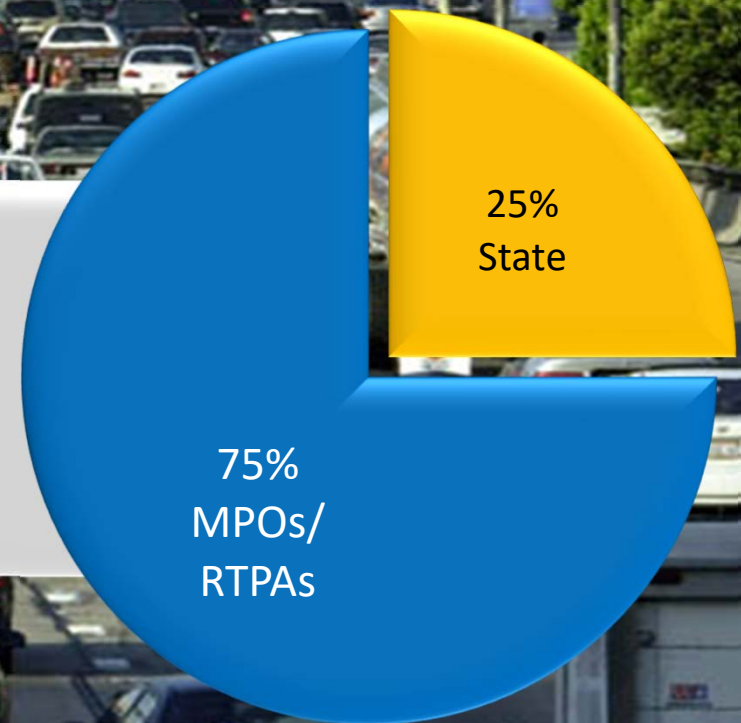
THE GOOD

Make a difference - NOW!

Why is Metro in Highway Business?



- Legislative Authority
 - SB 45
 - Chaptered in 1997
 - STIP funds split



What Are We Doing to Alleviate the problem?

- Countywide Transportation Need Assessment
- Multi-agency Program Coordination/Management
- Fund Projects
- Accelerated and Cost-Effective Project Delivery
- Improve Countywide and Regional Mobility
- Create Jobs
- Improve the Economy

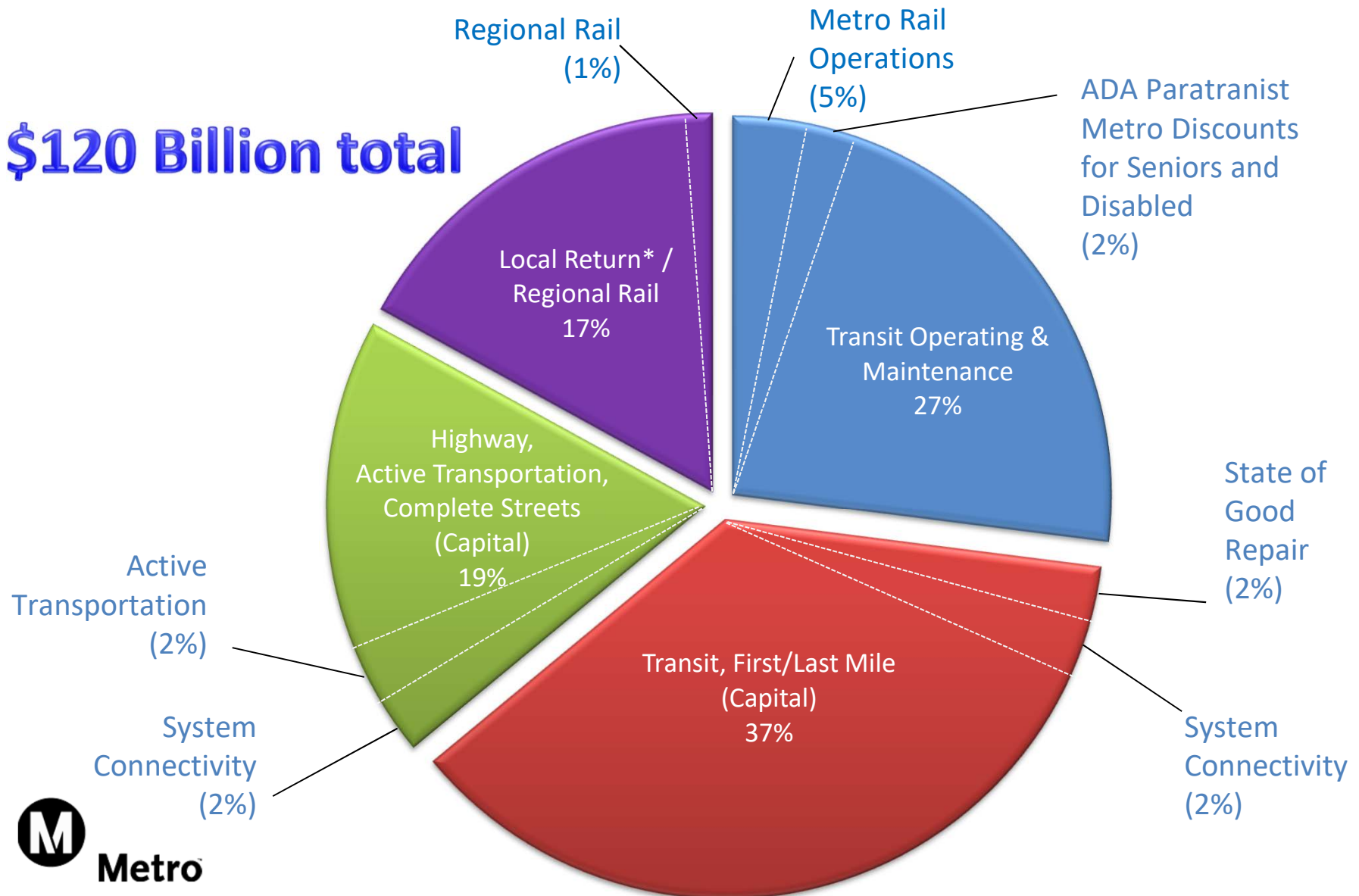


Measure R Highway Projects



Measure M

\$120 Billion total



* 1% Administration to supplement Local Return, increasing the Local Return-Base to 17% of net revenues.

Measures M Major Highway Projects

For Reference Only	Project (Final Project to be Defined by the Environmental Process)	Notes	Schedule of Funds Available		Subregion*	2016 - 2067 Local, State, Federal, Other Funding 2015\$	Measure — Funding 2015\$	Most Recent Cost Estimate 2015\$**	Modal Code
			Ground-breaking Start Date†	Expected Opening Date (3 year range)					
	Expenditure Plan Major Projects		1 st yr of Range						
1	Airport Metro Connect 96th St. Station/Green Line Ext LAX®	a,p	FY 2018	CY 2021	sc	\$233,984	\$347,016	\$581,000	T
2	Westside Purple Line Extension Section 3.®	b	FY 2018	FY 2024	w	\$986,139	\$994,251	\$1,980,390	T
3	High Desert Multi-Purpose Corridor (HDMC)®	q	FY 2019	FY 2021	nc	\$100,000	\$170,000	\$270,000	H
4	I-5 N Cap. Enhancements (SR-14 to Lake Hughes Rd)®		FY 2019	FY 2023	nc	\$544,080	\$240,000	\$784,080	H
5	Gold Line Footmill Extension to Claremont®	c	FY 2019	FY 2025	sg	\$76,000	\$1,019,000	\$1,097,000	T
6	Orange Line BRT Improvements	n	FY 2019	FY 2025	sf	\$0	\$286,000	\$286,000	T
7	BRT Connector Orange/Red Line to Gold Line	o	FY 2020	FY 2022	av	\$0	\$240,300	\$240,300	T
8	BRT Connector Orange/Red Line to Gold Line	o	FY 2020	FY 2022	sf	\$0	\$26,700	\$26,700	T
9	East SF Valley Transit Corridor Project®	d	FY 2021	FY 2027	sf	\$520,500	\$810,500	\$1,331,000	T
10	West Santa Ana Transit Corridor LRT®	b,c	FY 2022	FY 2028	gc	\$500,000	\$535,000	\$1,035,000	T
11	Crenshaw/LAX Track Enhancement Project	e,p	FY 2022	FY 2026	sc	\$0	\$49,599	\$49,599	T
12	SR-71 Gap from I-10 to Rio Rancho Rd.		FY 2022	FY 2026	sg	\$26,443	\$248,557	\$275,000	H
13	LA River Waterway & System Bikepath		FY 2023	FY 2025	cc	\$0	\$365,000	\$365,000	H
14	Complete LA River Bikepath		FY 2023	FY 2025	sf	\$0	\$60,000	\$60,000	H
15	Sepulveda Pass Transit Corridor (Ph 1)®	b,f	FY 2024	FY 2026	sf	\$0	\$130,000	\$130,000	H
16	Sepulveda Pass Transit Corridor (Ph 1)®	b,f	FY 2024	FY 2026	w	\$0	\$130,000	\$130,000	H
17	Vermont Transit Corridor	o	FY 2024	FY 2028	cc	\$400,000	\$25,000	\$425,000	T
18	SR-57/SR-60 Interchange Improvements	d	FY 2025	FY 2031	sg	\$565,000	\$205,000	\$770,000	H
19	Green Line Extension to Crenshaw Blvd in Torrance®	d,g	FY 2026	FY 2030	sb	\$272,000	\$619,000	\$891,000	T
20	I-710 South Corridor Project (Ph 1)®	d,f	FY 2026	FY 2032	gc	\$150,000	\$250,000	\$400,000	H
21	I-105 Express Lane from I-405 to I-605	p	FY 2027	FY 2029	sc	\$0	\$175,000	\$175,000	H
22	Sepulveda Pass Transit Corridor (Ph 2)®	b	FY 2024	FY 2033	sf	\$1,567,000	\$1,270,000	\$2,837,000	T
23	Sepulveda Pass Transit Corridor (Ph 2)®	b	FY 2024	FY 2033	w	\$1,567,000	\$1,270,000	\$2,837,000	T
24	Gold Line Eastside Extension (One Alignment)®	d	FY 2029	FY 2035	gc	\$957,000	\$543,000	\$1,500,000	T
25	Gold Line Eastside Extension (One Alignment)®	d	FY 2029	FY 2035	sg	\$957,000	\$543,000	\$1,500,000	T
26	West Santa Ana Transit Corridor LRT®	r	FY 2022	FY 2041	cc	\$1,082,500	\$400,000	\$1,482,500	T
27	West Santa Ana Transit Corridor LRT®	r	FY 2022	FY 2041	gc	\$982,500	\$500,000	\$1,482,500	T
28	I-710 South Corridor Project (Ph 2)®		FY 2032	FY 2041	gc	\$658,500	\$250,000	\$908,500	H
29	I-5 Corridor Improvements (I-605 to I-710)		FY 2036	FY 2042	gc	\$46,060	\$1,059,000	\$1,105,060	H
30	Crenshaw Northern Extension	i	FY 2041	FY 2047	cc	\$495,000	\$1,185,000	\$1,680,000	T
31	Crenshaw Northern Extension	i	FY 2041	FY 2047	w	\$0	\$560,000	\$560,000	T
32	I-405/I-110 Int. HOV Connect Ramps & Intrching Improv.®		FY 2042	FY 2044	sb	\$0	\$250,000	\$250,000	H
33	I-605/I-10 Interchange		FY 2043	FY 2047	sg	\$472,400	\$126,000	\$598,400	H
34	SR 60/I-605 Interchange HOV Direct Connectors		FY 2043	FY 2047	sq	\$360,600	\$130,000	\$490,600	H
35	Lincoln Blvd BRT	l,o	FY 2043	FY 2047	w	\$0	\$102,000	\$102,000	T
36	I-110 Express Lane Ext South to I-405/I-110 Interchange		FY 2044	FY 2046	sb	\$228,500	\$51,500	\$280,000	H
37	I-405 South Bay Curve Improvements		FY 2045	FY 2047	sb	\$250,840	\$150,000	\$400,840	H
38	Green Line Eastern Extension (Norwalk)	p	FY 2046	FY 2052	sc	\$570,000	\$200,000	\$770,000	T
39	SF Valley Transportation Improvements	m	FY 2048	FY 2050	sf	\$0	\$106,800	\$106,800	T
40	Sepulveda Pass Westwood to LAX (Ph 3)	p	FY 2048	FY 2057	sc	\$3,800,000	\$65,000	\$3,865,000	T
41	Orange Line Conversion to Light Rail		FY 2051	FY 2057	sf	\$1,067,000	\$362,000	\$1,429,000	T
42	City of San Fernando Bike Master Plan		FY 2052	FY 2054	sf	\$0	\$5,000	\$5,000	H
43	Historic Downtown Streetcar		FY 2053	FY 2057	cc	\$0	\$200,000	\$200,000	T
44	Gold Line Eastside Ext. Second Alignment	p	FY 2053	FY 2057	sc	\$110,000	\$2,890,000	\$3,000,000	T
45	High Desert Multi-Purpose Corridor - LA County Segment	p	FY 2063	FY 2067	sc	\$32,982	\$1,845,718	\$1,878,700	H
46	Expenditure Plan Major Projects Subtotal					\$19,581,027	\$20,989,941	\$40,570,969	



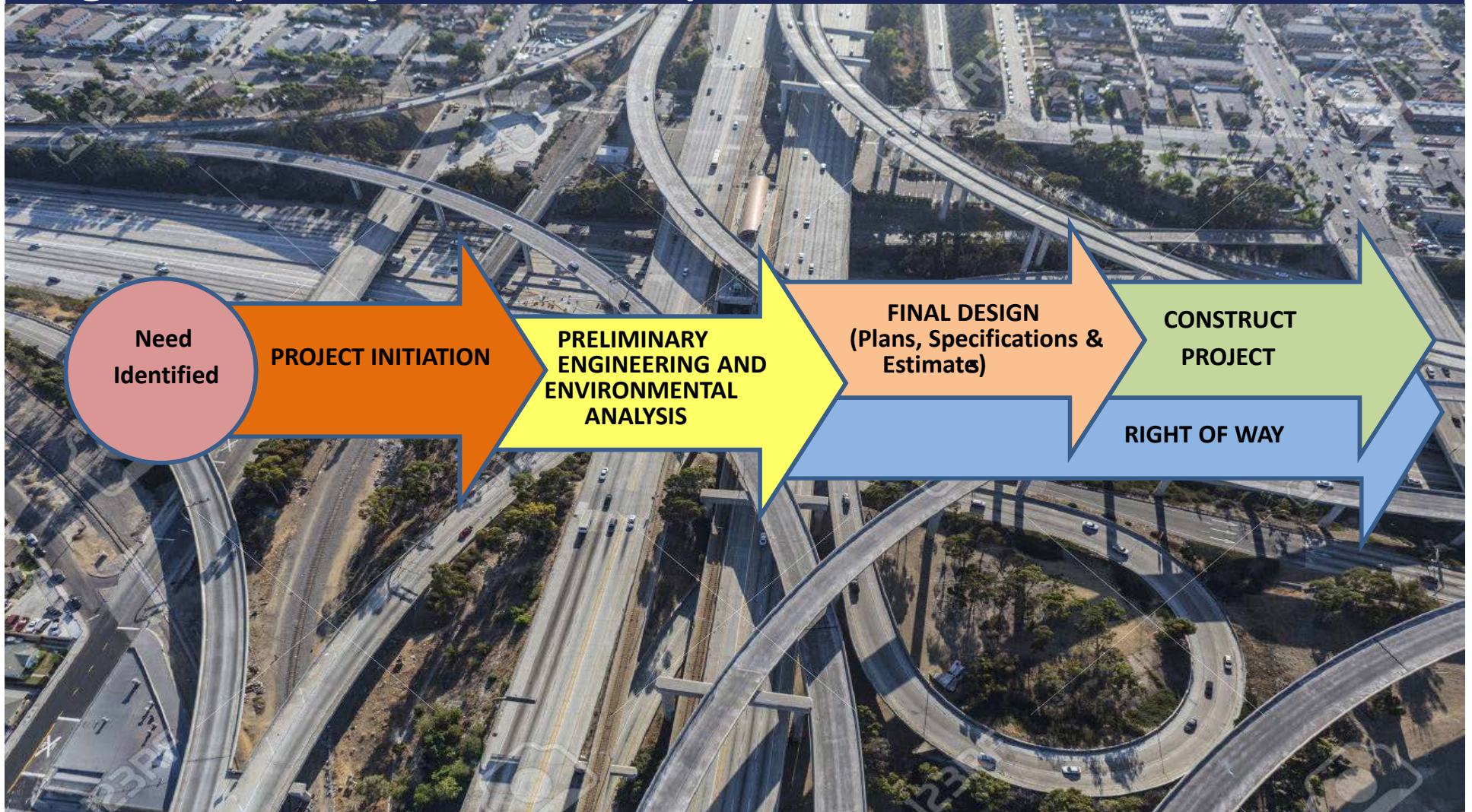
Measures M Subregional Projects

For Reference Only	Project (Final Project to be Defined by the Environmental Process)	Notes	Schedule of Funds Available		Subregion*	2016 - 2067 Local, State, Federal, Other Funding 2015\$	Measure — Funding 2015\$	Most Recent Cost Estimate 2015\$**	Modal Code
			Ground- breaking Start Date†	Expected Opening Date (3 year range)					
	Multi-Year Subregional Programs		1 st yr of Range						
47	Metro Active Transport, Transit 1st/Last Mile Program	p	FY 2018	FY 2057	sc	\$0	\$857,500	\$857,500	H
48	Visionary Project Seed Funding	p	FY 2018	FY 2057	sc	\$0	\$20,000	\$20,000	T
49	Street Car and Circulator Projects	k,p	FY 2018	FY 2022	sc	\$0	\$35,000	\$35,000	T
50	Transportation System and Mobility Improve. Program		FY 2018	FY 2032	sb	\$0	\$293,500	\$293,500	H
51	Active Transportation 1st/Last Mile Connections Prog.		FY 2018	FY 2057	w	\$0	\$361,000	\$361,000	H
52	Active Transportation Program		FY 2018	FY 2057	nc	\$0	\$264,000	\$264,000	H
53	Active Transportation Program		FY 2018	FY 2057	gc	\$0	TBD	TBD	H
54	Active Transportation Program (Including Greenway Proj.)		FY 2018	FY 2057	sg	\$0	\$231,000	\$231,000	H
55	Active Transportation, 1st/Last Mile, & Mobility Hubs		FY 2018	FY 2057	cc	\$0	\$215,000	\$215,000	H
56	Active Transportation, Transit, and Tech. Program		FY 2018	FY 2032	lvm	\$0	\$32,000	\$32,000	T
57	Highway Efficiency Program		FY 2018	FY 2032	lvm	\$0	\$133,000	\$133,000	H
58	Bus System Improvement Program		FY 2018	FY 2057	sg	\$0	\$55,000	\$55,000	T
59	First/Last Mile and Complete Streets		FY 2018	FY 2057	sg	\$0	\$198,000	\$198,000	H
60	Highway Demand Based Prog. (HOV Ext. & Connect.)		FY 2018	FY 2057	sg	\$0	\$231,000	\$231,000	H
61	I-605 Corridor "Hot Spot" Interchange Improvements		FY 2018	FY 2057	gc	\$240,000	\$1,000,000	\$1,240,000	H
62	Modal Connectivity and Complete Streets Projects		FY 2018	FY 2057	av	\$0	\$202,000	\$202,000	H
63	South Bay Highway Operational Improvements		FY 2018	FY 2057	sb	\$600,000	\$500,000	\$1,100,000	H
64	Transit Program		FY 2018	FY 2057	nc	\$500,000	\$88,000	\$588,000	T
65	Transit Projects		FY 2018	FY 2057	av	\$0	\$257,100	\$257,100	T
66	Transportation System and Mobility Improve. Program		FY 2018	FY 2057	sb	\$0	\$350,000	\$350,000	H
67	North San Fernando Valley Bus Rapid Transit Improvements	p,s	FY 2019	FY 2023	sc	\$0	\$180,000	\$180,000	T
68	Subregional Equity Program	p,s	FY 2018	FY 2057	sc	TBD	TBD	\$1,196,000	T/H
69	Countywide BRT Projects Ph 1 (All Subregions)	i,p	FY 2020	FY 2022	sc	\$0	\$50,000	\$50,000	T
70	Countywide BRT Projects Ph 2 (All Subregions)	i,p	FY 2030	FY 2032	sc	\$0	\$50,000	\$50,000	T
71	Active Transportation Projects		FY 2033	FY 2057	av	\$0	\$136,500	\$136,500	H
72	Los Angeles Safe Routes to School Initiative		FY 2033	FY 2057	cc	\$0	\$250,000	\$250,000	H
73	Multimodal Connectivity Program		FY 2033	FY 2057	nc	\$0	\$239,000	\$239,000	H
74	Countywide BRT Projects Ph 3 (All Subregions)	i,p	FY 2040	FY 2042	sc	\$0	\$50,000	\$50,000	T
75	Arterial Program		FY 2048	FY 2057	nc	\$0	\$726,130	\$726,130	H
76	BRT and 1st/Last Mile Solutions e.g. DASH		FY 2048	FY 2057	cc	\$0	\$250,000	\$250,000	T
77	Freeway Interchange and Operational Improvements		FY 2048	FY 2057	cc	\$0	\$195,000	\$195,000	H
78	Goods Movement (Improvements & RR Xing Elim.)		FY 2048	FY 2057	sg	\$0	\$33,000	\$33,000	T
79	Goods Movement Program		FY 2048	FY 2057	nc	\$0	\$104,000	\$104,000	T
80	Goods Movement Projects		FY 2048	FY 2057	av	\$0	\$81,700	\$81,700	T
81	Highway Efficiency Program		FY 2048	FY 2057	nc	\$0	\$128,870	\$128,870	H
82	Highway Efficiency Program		FY 2048	FY 2057	sg	\$0	\$534,000	\$534,000	H
83	Highway Efficiency, Noise Mitig. and Arterial Projects		FY 2048	FY 2057	av	\$0	\$602,800	\$602,800	H
84	ITS/Technology Program (Advanced Signal Tech.)		FY 2048	FY 2057	sg	\$0	\$66,000	\$66,000	H
85	LA Streetscape Enhance. & Great Streets Program		FY 2048	FY 2057	cc	\$0	\$450,000	\$450,000	H
86	Modal Connectivity Program		FY 2048	FY 2057	lvm	\$0	\$68,000	\$68,000	H
87	Public Transit State of Good Repair Program		FY 2048	FY 2057	cc	\$0	\$402,000	\$402,000	T
88	Traffic Congestion Relief and Improvement Program		FY 2048	FY 2057	lvm	\$0	\$63,000	\$63,000	H
89	Traffic Congestion Relief/Signal Synchronization		FY 2048	FY 2057	cc	\$0	\$50,000	\$50,000	H
90	Arroyo Verdugo Projects to be Determined		FY 2048	FY 2057	av	\$0	\$110,600	\$110,600	H
91	Countywide BRT Projects Ph 4 (All Subregions)	p	FY 2050	FY 2052	sc	\$90,000	\$10,000	\$100,000	T
92	Countywide BRT Projects Ph 5 (All Subregions)	p	FY 2060	FY 2062	sc	\$0	\$100,000	\$100,000	T
93	Multi-Year Subregional Programs Subtotal					\$1,430,000	\$10,253,700	\$12,879,700	
94	GRAND TOTAL					\$21,011,027	\$31,243,641	\$53,450,669	

Footnotes on following page.



Highway Project Development Process



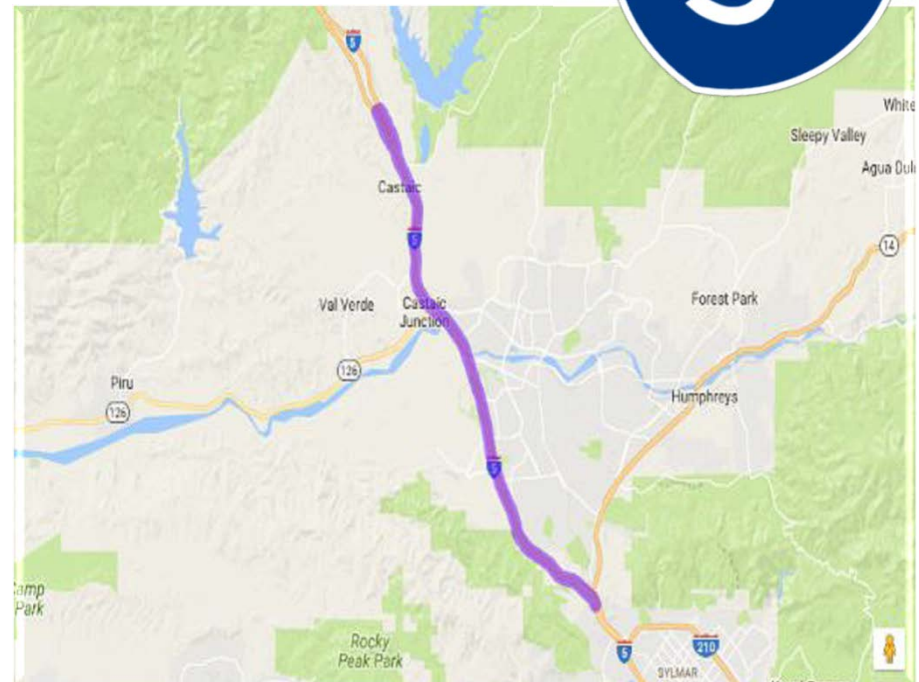
In Progress

• <i>I-710 Corridor Improvements</i>	\$6B	} \$14 Billion +
• <i>SR-710 Corridor Improvements</i>	\$1B	
• <i>I-605 Between I-105 and I-10 Improvements</i>	\$5B	
• <i>I-5 HOV Lanes; SR-14 to Parker Road</i>	\$500M	
• <i>SR-57/SR-60 Interchange Improvements</i>	\$300M	
• <i>SR-71 Widening/Imp. between I-10 and SR-60</i>	\$300M	
• <i>SR-91 Widening at I-605</i>	\$140M	
• <i>SR-91/Central Avenue Interchange Improvements</i>	\$ 85M	
• <i>SR-91 Widening, EB, Atlantic to Cherry</i>	\$ 80M	
• <i>I-710 Early Action Projects</i>	\$ 60M	
• <i>I-605/South Street Interchange Improvements</i>	\$ 20M	
• <i>I-605/Valley Blvd. Interchange Improvements</i>	\$ 18M	
• <i>SR-60/7th Avenue Interchange Improvements</i>	\$ 18M	
• <i>I-605/Beverly Interchange Improvements</i>	\$ 10M	
• <i>I-405 NB and SB Imp., I-405 to Artesia Blvd.</i>	TBD	

I-5 North HOV and Truck Lanes



- 14 miles of HOV lanes in both directions
- 2 miles of truck climbing lanes at the south end
- 7 bridge modifications at:
 - Gavin Canyon
 - Calgrove Blvd.
 - Butte canyon
 - Magic Mountain Pkwy.
 - Santa Clara OH
 - Rye Canyon
 - Castaic Creek Bridge
- 1 bridge replacement at Weldon Canyon
- Soundwalls and retaining walls
- Completion of design: 2019
- [Construction in 2020-21](#)

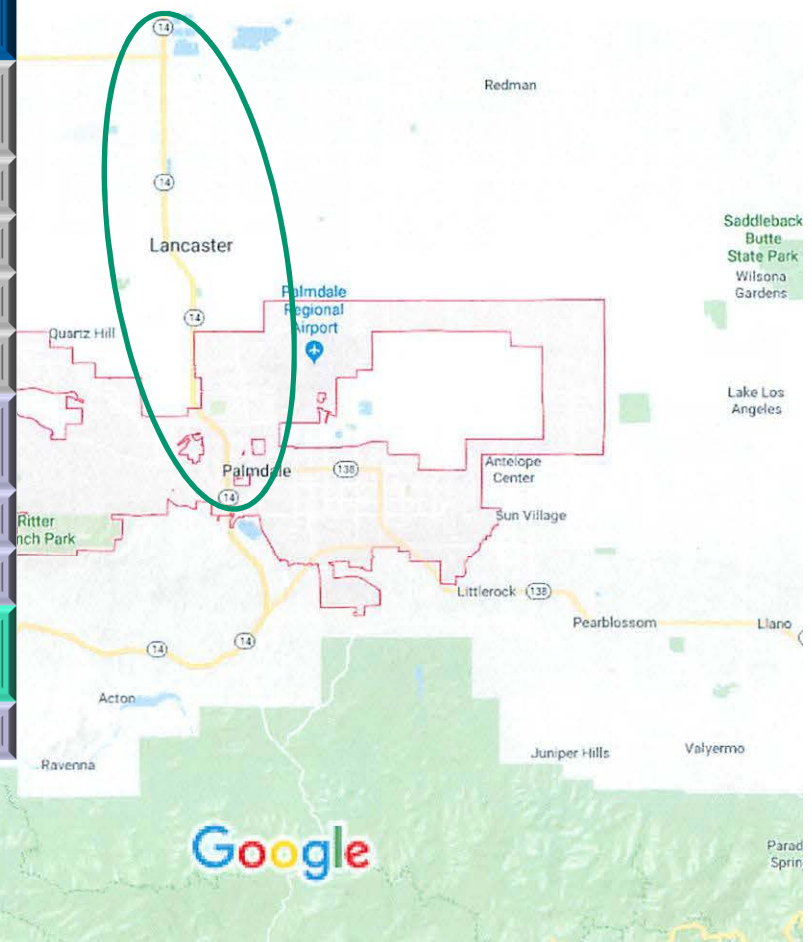


North County SR-14 Interchange Improvements



\$200+ mil.

	Project	Construction Date (Estimate)
Lancaster	SR-138/SR-14 Avenue K Interchange	08/2020
	SR-138/SR-14 Avenue G Interchange	09/2020
	SR-138/SR-14 Avenue J Interchange	05/2020
	SR-138/SR-14 Avenue L Interchange	07/2021
	SR-138/SR-14 Avenue M Interchange	10/2020
Palmdale	SR-138/Palmdale Blvd., 5th to 10th Street East	10/2021
	SR-138/Palmdale Blvd., SB SR-14 Ramps	01/2021
	SR-138, 10th Street West Interchange	04/2021
	SR-138 Widening, Rancho Vista Blvd. to Palmdale Blvd.	In Const. (11/2018)
	SR-138, Avenue N Overcrossing	TBD



High Desert Corridor

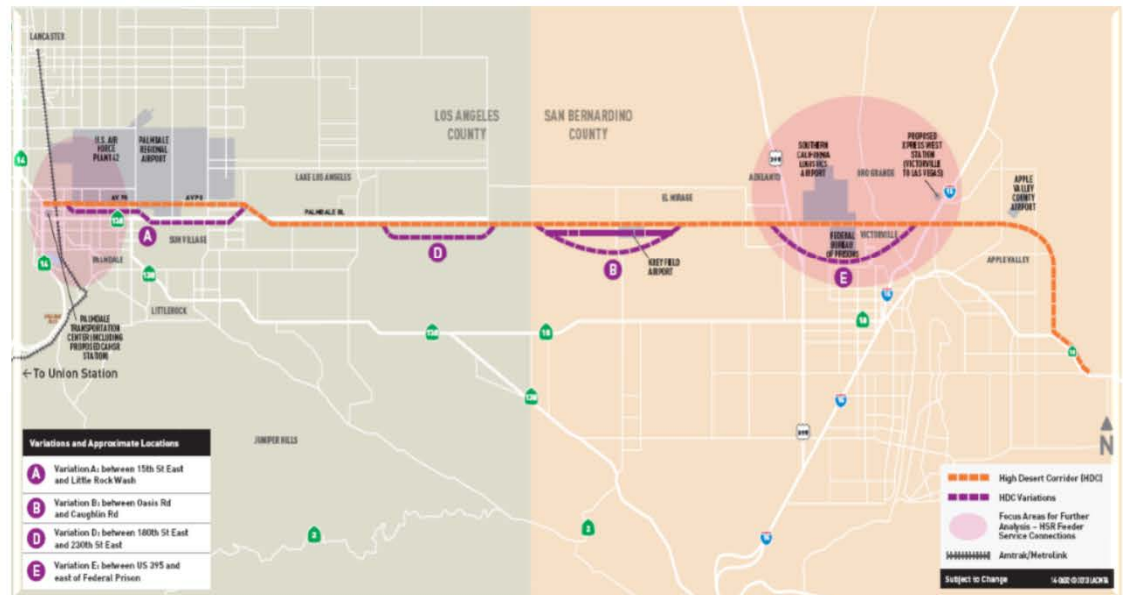


Project Summary

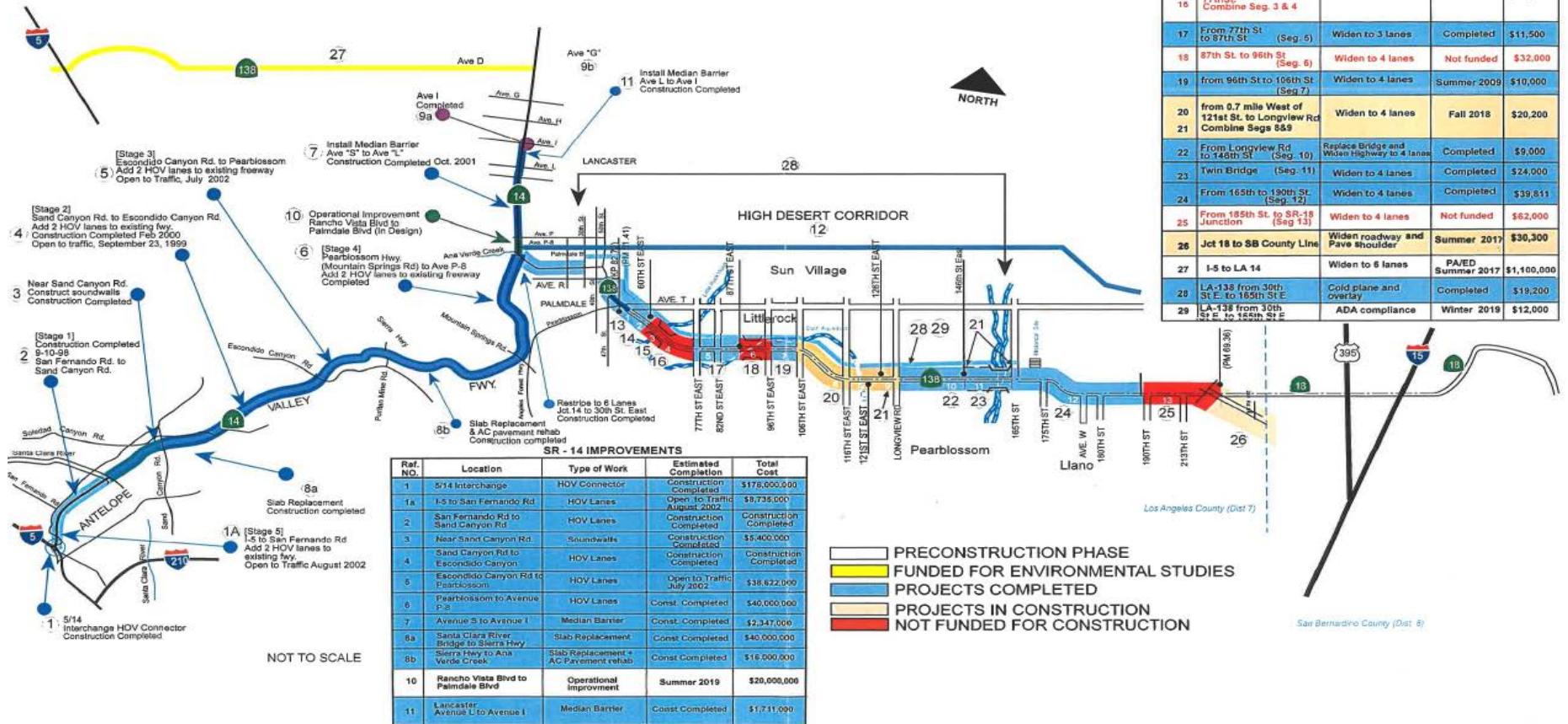
- 63 miles - Highway, Expressway, Tollway, High Speed Rail, Bikeway, and energy production/transmission corridor concepts
- Connecting North Los Angeles County and San Bernardino County (Victorville)
- Transit connection between the CHSR and the XpressWest
- In Measure M for ROW and related services in 2019
- More funds in later years
- Final EIR/EIS completed in 2016

Status Update

- Multi-agency efforts in assessing other feasible alternatives



SR-138, SR-14 to LA/SB County Line



Ref. NO.	Location	Type of Work	Status	Estimated Cost
12	LA-14 to SB-18 High Desert Corridor	Multi-phase	In Progress	\$1,178,000,000
13	From Ave R to 60th St (Extended Seg-1)	Pavement Rehabilitation	Completed	\$1,000,000
14	From 60th St. to E of Ave I (Seg 2)	Widen to 4 lanes	Completed	\$10,000
15	From 0.3 mile West of Little Rock Wash to 77th St.	Widen to 4 lanes	Not funded	\$24,500
16	Combine Seg. 3 & 4			
17	From 77th St to 87th St (Seg. 5)	Widen to 3 lanes	Completed	\$11,500
18	87th St. to 96th St (Seg. 6)	Widen to 4 lanes	Not funded	\$32,000
19	from 96th St to 106th St (Seg 7)	Widen to 4 lanes	Summer 2009	\$10,000
20	from 0.7 mile West of 121st St. to Longview Rd	Widen to 4 lanes	Fall 2018	\$20,200
21	Combine Segs 8&9			
22	From Longview Rd to 145th St (Seg. 10)	Replace Bridge and Widen Highway to 4 lanes	Completed	\$9,000
23	Twin Bridge (Seg. 11)	Widen to 4 lanes	Completed	\$24,000
24	From 165th to 190th St. (Seg. 12)	Widen to 4 lanes	Completed	\$39,811
25	From 185th St. to SR-18 Junction (Seg 13)	Widen to 4 lanes	Not funded	\$62,000
26	Jct 18 to SB County Line	Widen roadway and Pave Shoulder	Summer 2017	\$30,300
27	I-5 to LA 14	Widen to 6 lanes	PAID Summer 2017	\$1,100,000
28	LA-138 from 30th St E. to 155th St E.	Cold plane and overlay	Completed	\$19,200
29	LA-138 from 30th St E. to 155th St E.	ADA compliance	Winter 2019	\$12,000

Ref. NO.	Location	Type of Work	Estimated Completion	Total Cost
1	5/14 Interchange	HOV Connector	Construction Completed	\$178,000,000
1a	I-5 to San Fernando Rd	HOV Lanes	Open to Traffic August 2002	\$9,735,000
2	San Fernando Rd to Sand Canyon Rd	HOV Lanes	Construction Completed	Construction Completed
3	Near Sand Canyon Rd	Soundwalls	Construction Completed	\$5,400,000
4	Sand Canyon Rd to Escondido Canyon	HOV Lanes	Construction Completed	Construction Completed
5	Escondido Canyon Rd to Pearblossom	HOV Lanes	Open to Traffic July 2002	\$38,622,000
6	Pearblossom to Avenue P-S	HOV Lanes	Const. Completed	\$40,000,000
7	Avenue S to Avenue I	Median Barrier	Const. Completed	\$2,347,000
8a	Santa Clara River Bridge to Sierra Hwy	Slab Replacement	Const. Completed	\$40,000,000
8b	Sierra Hwy to Ana Verde Creek	Slab Replacement + AC Pavement rehab	Const. Completed	\$16,000,000
10	Rancho Vista Blvd to Palmdale Blvd	Operational Improvement	Summer 2019	\$20,000,000
11	Lancaster Avenue L to Avenue I	Median Barrier	Const. Completed	\$1,711,000

NOT TO SCALE

- PRECONSTRUCTION PHASE
- FUNDED FOR ENVIRONMENTAL STUDIES
- PROJECTS COMPLETED
- PROJECTS IN CONSTRUCTION
- NOT FUNDED FOR CONSTRUCTION

District 7 Graphic Services • 14-138 (D7&D8) 4/28/17



Northwest SR-138



Project Summary

- 36 miles from I-5 to SR-14
- PAED Completed
- Freeway/Expressway/conventional highway
- No funding for subsequent phases
- EIR/EIS Completed in June 2017

Status Update

- Highway widening potential between I-5 and 300th Street – third party
- Safety/rehab projects construction contracts by Caltrans



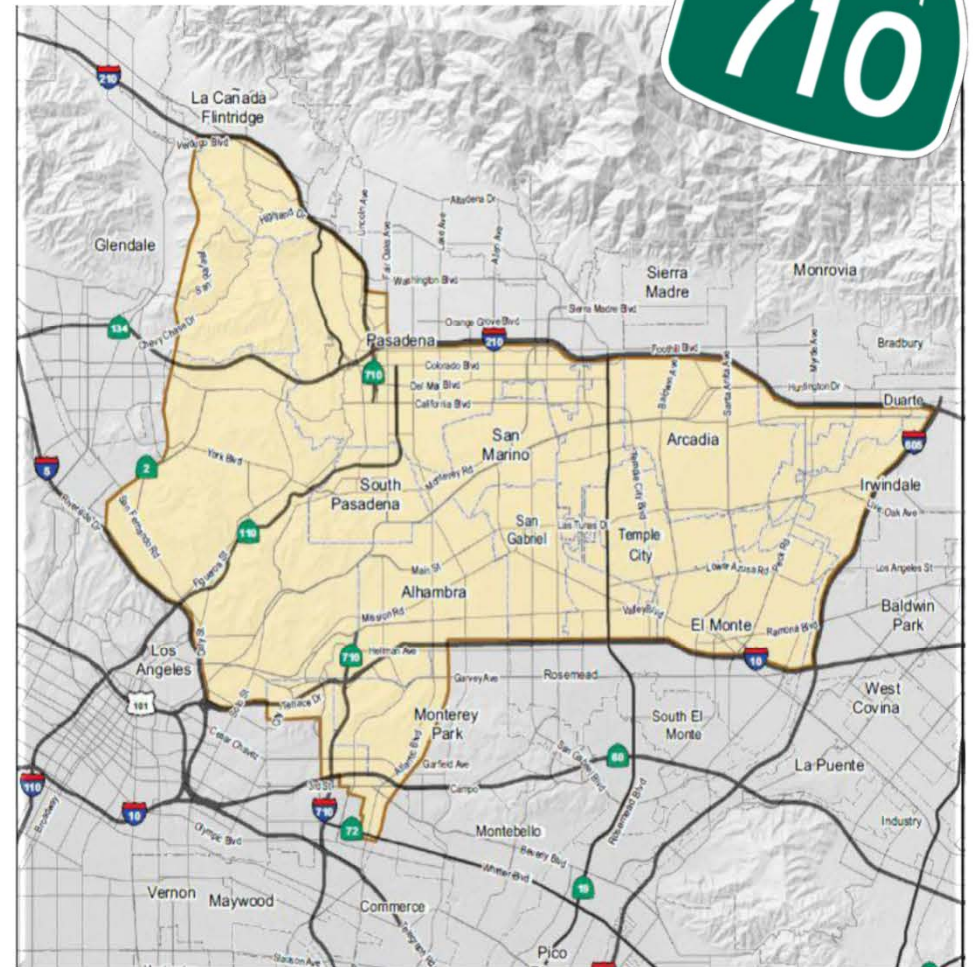
SR-710

Project Summary

- \$780M in Measure R funds
- \$300+M in other funds
- LPA Adopted: Transportation System Management / Transportation Demand Management (TSM/TDM)

Status Update

- Implementation of mobility improvement projects starting in 2020



“Hot Spots” Program



I-605/Valley Blvd.
Construction in 2020

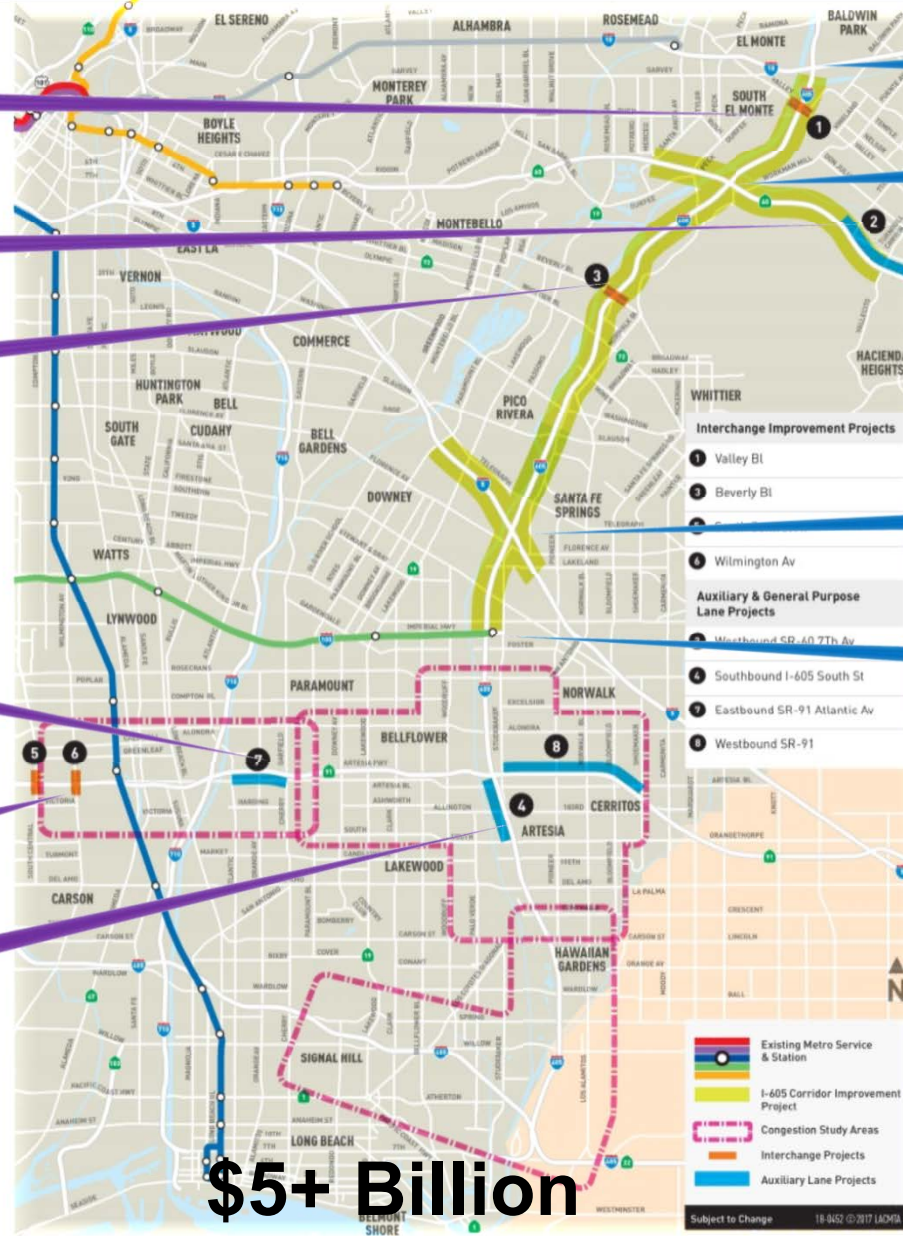
SR-60/7th Ave.

I-605/Beverly Blvd.
Construction in 2020

SR-91/Central Ave.

SR-91/Wilmington

I-605/South St.
Construction in 2020



I-605/I-10

I-605/SR-60

I-605/I-5

I-605/I-105

+ Over 30 Arterial
Intersection
Improvements

\$5+ Billion

I-710



Project Summary

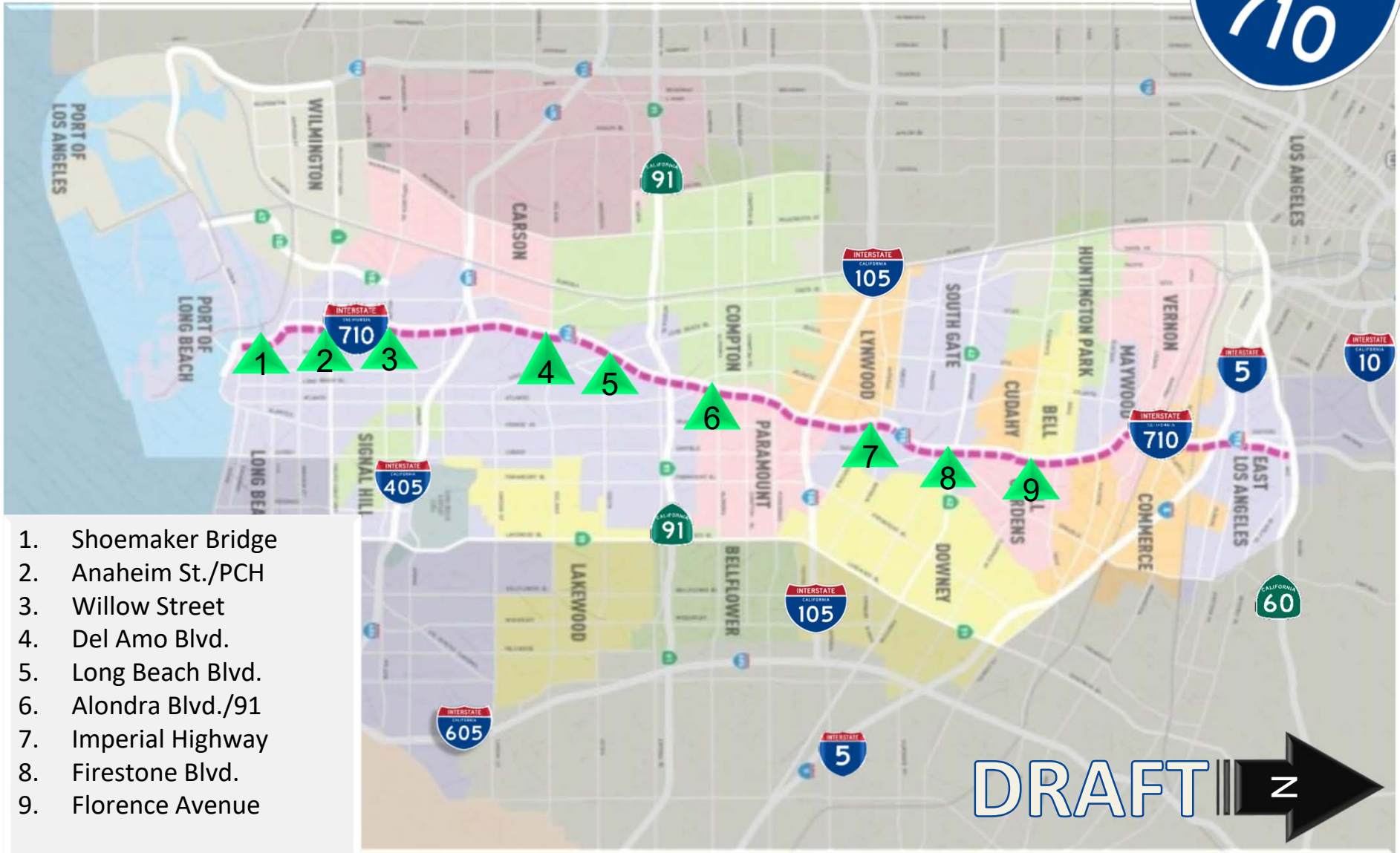
- In PAED phase 18 miles between the Ports of Long Beach and Los Angeles and the SR-60
- LPA: Add 1 lane + upgrade (Adopted by Metro Board as the LPA)
- Estimated Cost: \$6+ billion
- Includes “Early Action” Projects
- \$420 mil in Measure R and \$500 mil. in Measure M

Status Update

- Final EIR/EIS: 2020
- Early Action projects final design and construction pending approval of the ED and no legal challenges



I-710 Early Action Freeway Projects



1. Shoemaker Bridge
2. Anaheim St./PCH
3. Willow Street
4. Del Amo Blvd.
5. Long Beach Blvd.
6. Alondra Blvd./91
7. Imperial Highway
8. Firestone Blvd.
9. Florence Avenue

I-405

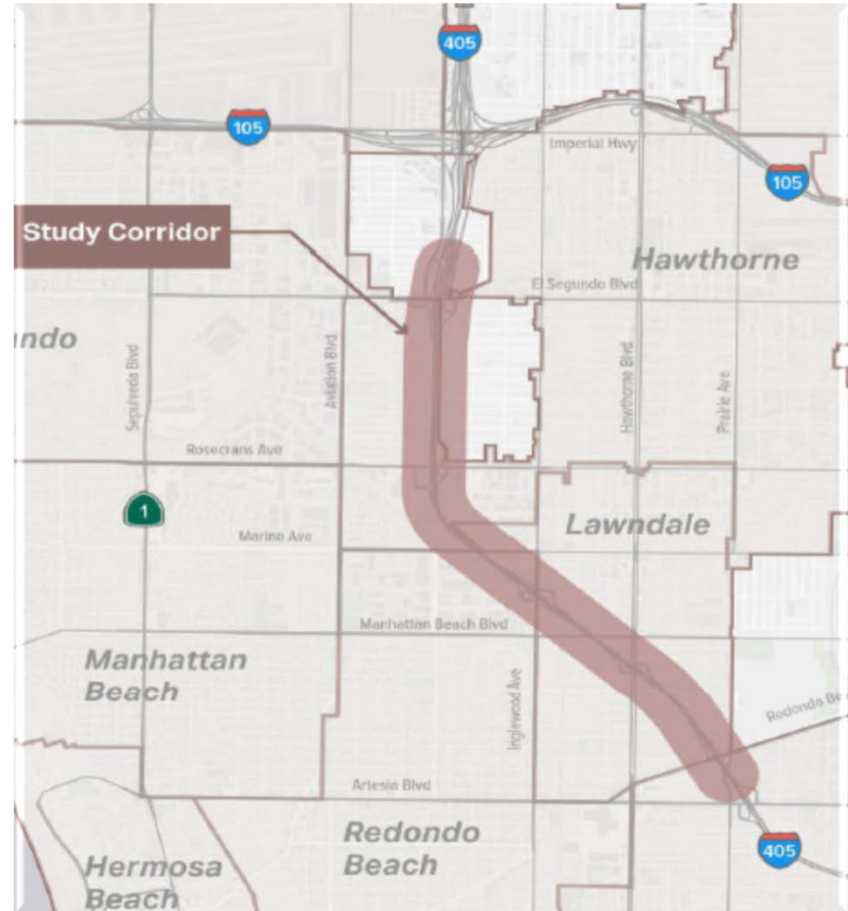


Project Summary

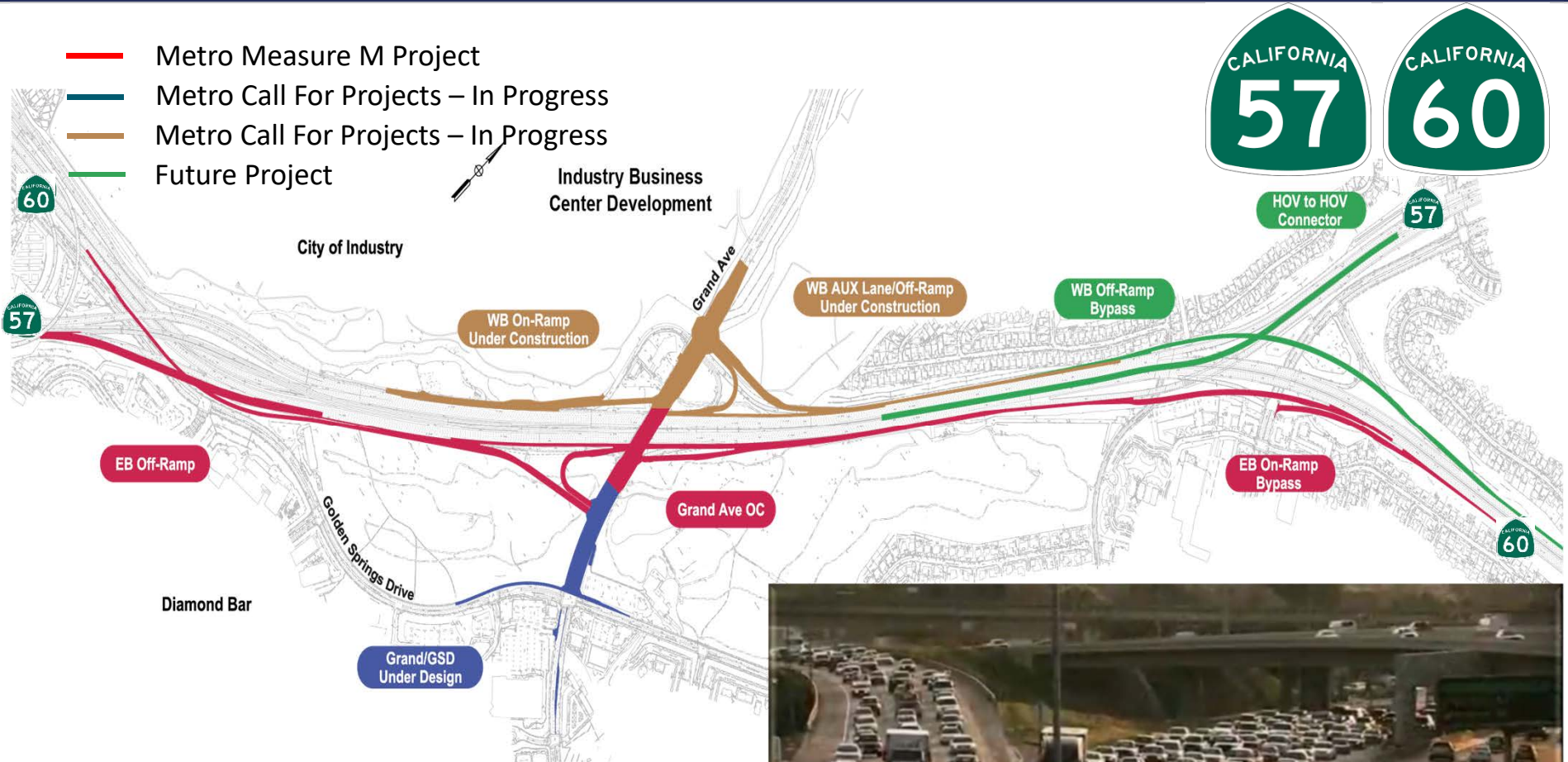
- Add auxiliary lanes NB & SB from I-105/I-405 to Artesia Blvd off-ramp

Status Update

- PSR completed Nov. 2018
- PAED commenced in March 2019
- Construction in 2023



SR-57/SR-60 Interchange Improvements



Construction: 2021



SR-71



Project Summary

- In Final Design phase
- Add a GP lane and an HOV lane
- 2 segments:
 - Mission to SR-60 – upgrade from expressway to freeway
 - Mission to I-10 – upgrade including raising 2 bridges over the RR tracks



Status Update

- Construction of Mission to SR-60: [Summer 2020](#)
- Construction of Mission to I-10: [Summer 2023](#)

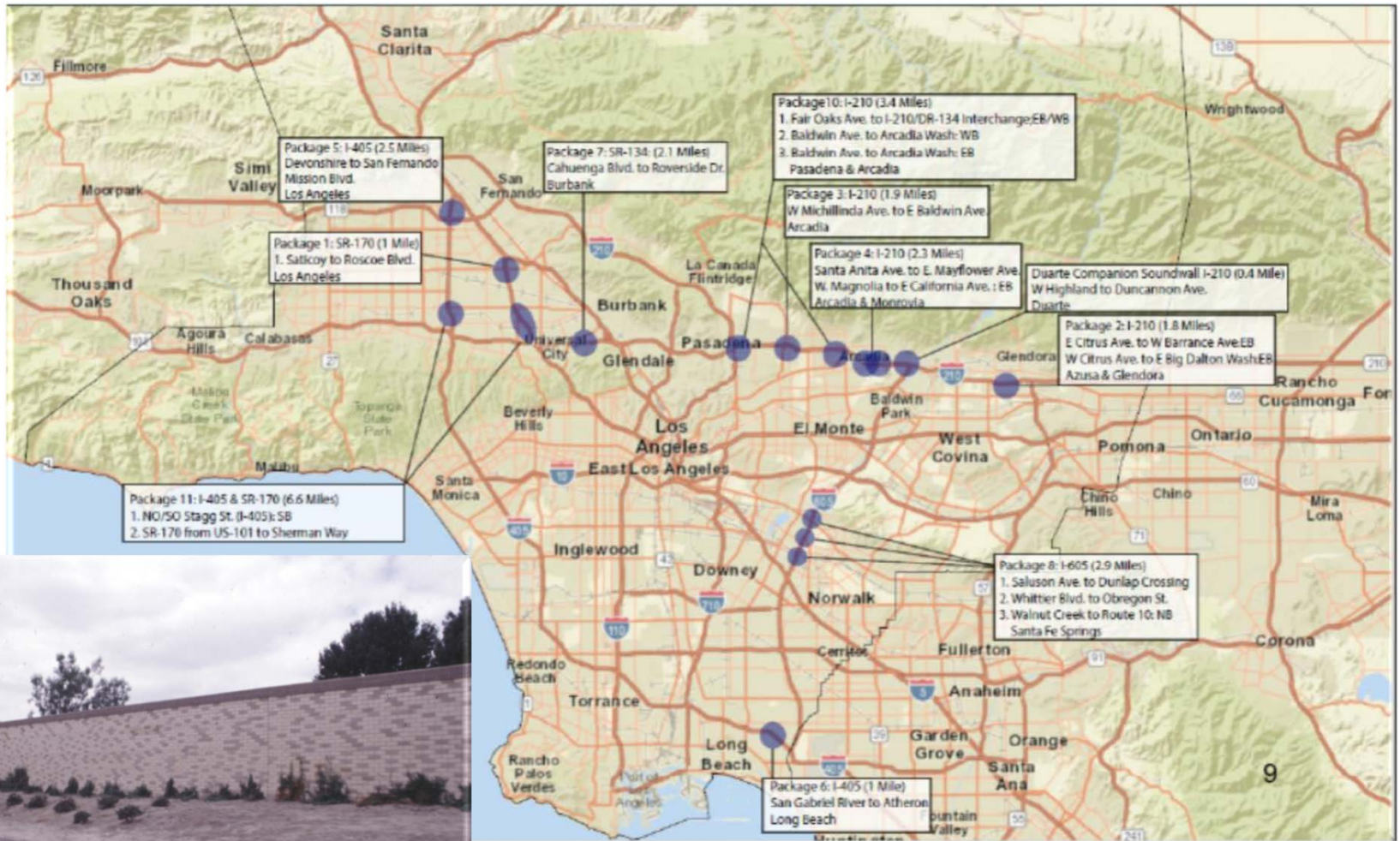


Soundwalls

New / Retrofit

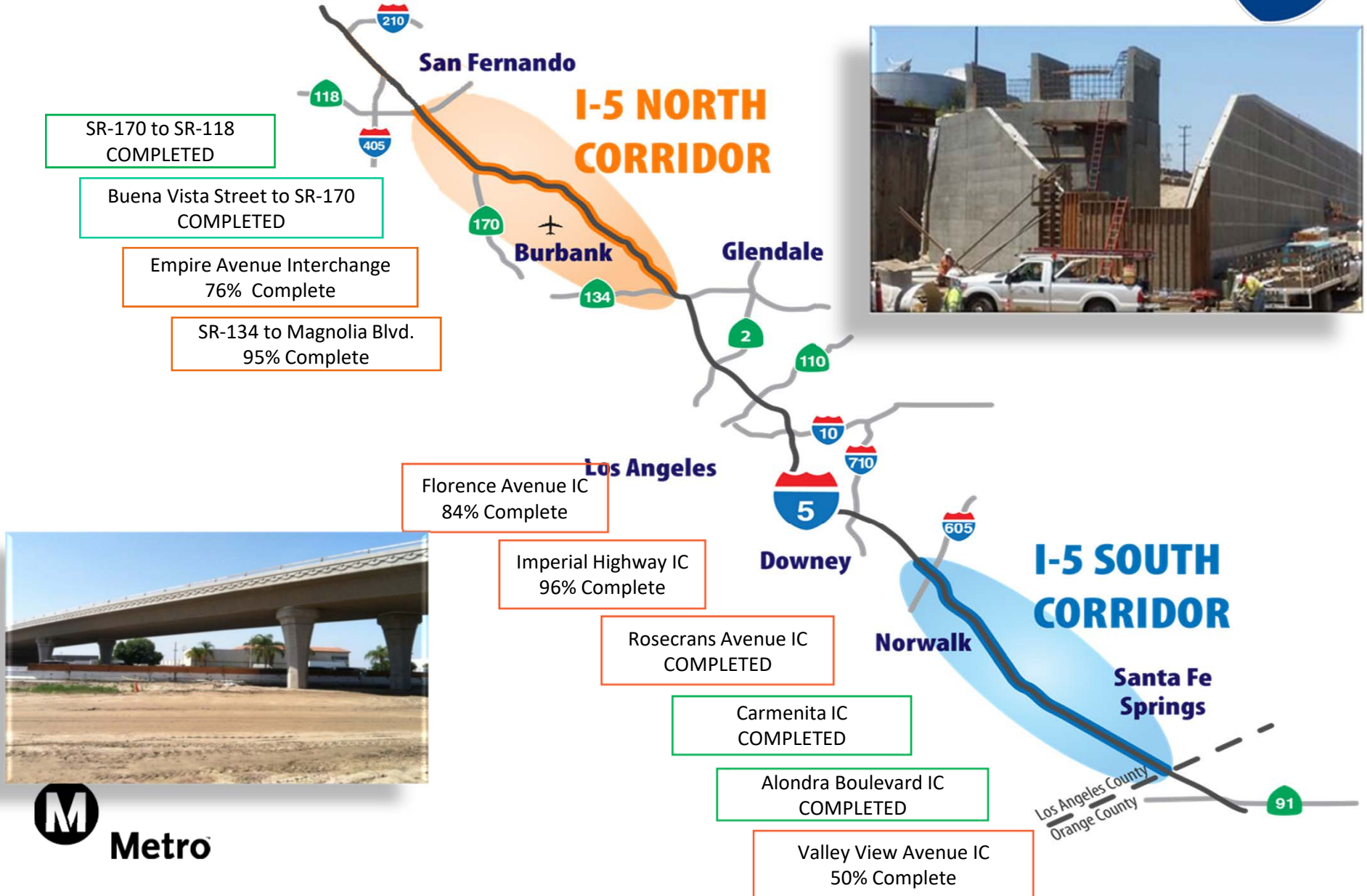


Soundwalls



... and about a 100 miles left to build!

I-5 Construction Oversight

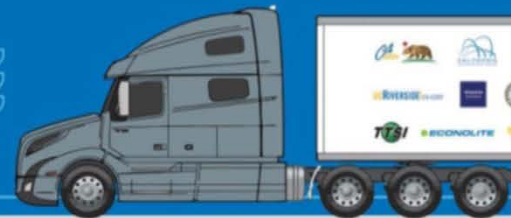


Goods Movement



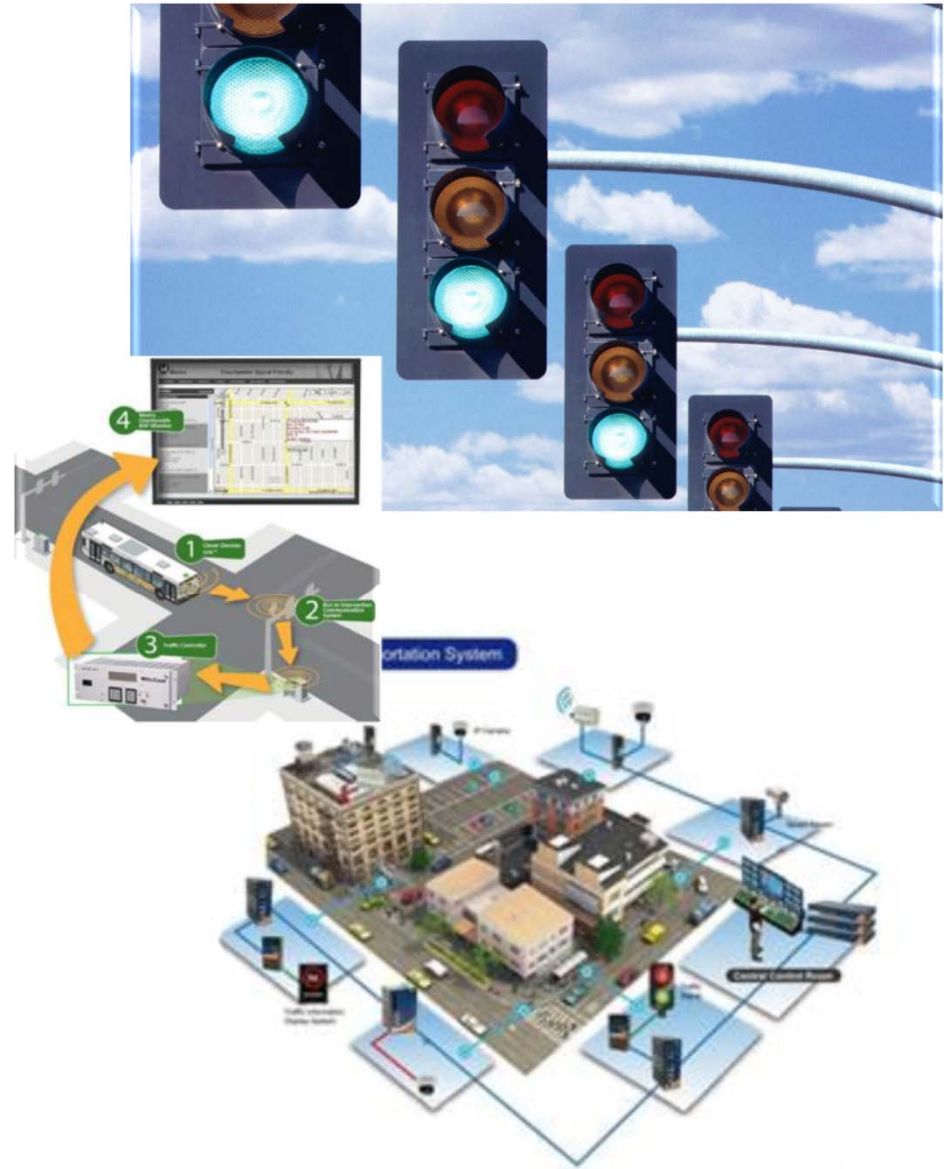
Eco Drive

**America's Global Freight Gateway
Connected Truck Demonstration**



ITS/Local Traffic Improvements

- Signal Synchronization and bus speed improvements
- Maximize the capacity of existing surface streets and reduce traffic delays
- Designed to improve:
 - Traffic flow
 - Movement of vehicles and goods
 - Air quality
 - System accessibility and safety.
- Improvements are relatively low-cost and can be implemented in a short period of time
- Since the early 1990's, Metro has granted over \$600 million through the biannual Call for Projects to local agencies.
- *223 Candidate Projects*
- *149 projects completed*



Doing Business with Metro

- Tough competition!
- A/E and construction contracts
- Focused and On-Call/Bench contracts
- Small Business expertise/market share



Doing Business with Metro

How we help consultants:

- Identifying the right markets/pursuits to participate in
- Identifying their potential partners
- Assist in improving their staffing and qualifications
- Win work!

How consultants help us:

- Provide highly qualified resources and competent services
- Credible input and guidance in project delivery
- Right-pricing services
- Engage and train additional resources for the future needs
- Heavily negotiate and minimize changes required by others
- Minimize risk to Metro



Discussions

