

ATTACHMENT A

Measure R Highway Operational Improvements Project List
 Arroyo Verdugo Subregion Measure R Highway Operational Improvements Project List

(Programmed Dollars in Thousands)

(C)hange (A)dd (D)elete	Lead Agency	Funding Agreement (FA) No.	PROJECT/LOCATION	Total Allocation	Prior Years	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
			Arroyo Verdugo Operational Improvements (38 projects - 3 New)	61,174	40,066	2,970	8,109	7,964	0	0
	Burbank	MR310.06	San Fernando Blvd. / Burbank Blvd. Intersection	2,325	2,325					
	Burbank	MR310.08	I-5 Corridor Arterial Signal Improvements	2,600	2,600					
	Burbank	MR310.09	SR-134 Corridor Arterial Signal Improvements	2,975	2,975					
	Burbank	MR310.07	Widen Magnolia Blvd / I-5 Bridge for center-turn lane, standard lanes, shoulders	3,967	250			3,717		
	Burbank	MR310.11	Olive Ave. / Verdugo Ave. Intersection Improvement	1,600	1,600					
	Burbank	MR310.10	Widen Olive Ave / I-5 Bridge for center-turn lane, standard width lanes, shoulders	3,897	250			3,647		
	Burbank	MR310.23	Chandler Bikeway Extension (Call for Projects Local Match)	600	0			600		
			TOTAL BURBANK	17,964	10,000	0	0	7,964	0	0
D	Glendale	MR310.12	Glendale FWY Ramps/Space 134	0						
	Glendale	MR310.22	Glendale Narrows Riverwalk Bridge	600	600					
	Glendale	MR310.24	Construction of Bicycle Facilities	300	300					
	Glendale	MR310.01	Fairmont Ave. Grade Separation at San Fernando Rd. (Construction) (Completed)	1658.7	1,659					
	Glendale	MR310.04	San Fernando/Grandview At-Grade Rail Crossing Imp. (Completed)	1,850	1,850					
	Glendale	MR310.13	Glendale Narrows Bikeway Culvert	876.5	877					
	Glendale	MR310.16	SR-134 / Glendale Ave. Interchange Modification	1,585	1,585					
	Glendale	MR310.14	Verdugo Road Signal Upgrades (Completed)	557	557					
	Glendale	MR310.19	Traffic Signal Sync Brand / Colorado-San Fernando / Glendale-Verdugo (Completed)	1,250	1,250					
	Glendale	MR310.20	Verdugo Rd / Honolulu Ave / Verdugo Blvd Intersection Modification (Completed)	400	400					
	Glendale	MR310.05	Central Ave Improvements / Broadway to SR-134 EB Offramp (Completed)	3,250	3,250					
	Glendale	MR310.18	Sonora Avenue At-Grade Rail Crossing Safety Upgrade (Completed)	2,700	2,700					
	Glendale	MR310.21	Colorado St. Widening between Brand Blvd. and East of Brand Blvd. (Completed)	350	350					
C	Glendale	MR310.37	Verdugo Boulevard Traffic Signal Modification at Vahili Way and SR-2	600		600				
	Glendale	MR310.36	Signalizations of SR-2 Fwy Ramps @ Holly	600	0	100	500			
	Glendale	MR310.39	Widening of SR-2 Fwy Ramps @ Mountain	1,200	0	150	1,050			
	Glendale	MR310.25	210 Soundwalls Project	4,520	0	1,520	3,000			
	Glendale	MR310.35	Signal Installations at Various Locations	1,500	1,500					
D	Glendale	MR310.30	North Brand Boulevard Rehabilitation (Freeway 134 to Mountain Street)	0	0					
	Glendale	MR310.32	Regional Arterial Performance Measures	100	0		100			
	Glendale	MR310.34	Regional Bike Stations (Call Match)	315	0		315			
	Glendale	MR310.40	Pacific Ave: Colorado to Glenoaks & Burchett St: Pacific To Central Street Improvements	3,315	3,315					
	Glendale	MR310.41	Doran St. (From Brand Blvd. To Adams St.)	1,200	1,200					
	Glendale	MR310.42	Arden Ave. (From Highland Ave. to Kenilworth St.) (Completed)	900	900					
	Glendale	MR310.43	Verdugo Rd. Street Improvements Project (Traffic Signal Modification)	585	585					
D	Glendale	MR310.27	Verdugo Wash: Cycle Track	0						
	Glendale	MR310.17	Ocean Blvd. Project -- from Verdugo Rd. to N'ly City Boundaries	1,000	1,000					
A	Glendale	MR310.02	Glendale Traffic Signal Installation and Traffic Signal Modificaitons	1,200			1,200			

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(C)hange (A)dd (D)elete	Lead Agency	Funding Agreement (FA) No.	PROJECT/LOCATION	Total Allocation	Prior Years	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
A	Glendale	MR310.26	Class II and III Bikelines on	165		165				
A	Glendale	MR310.28	I-210 at Pennsylvania on/off Ramp Signal Improvements	400		400				
			TOTAL GLENDALE	32,978	23,878	2,370	4,965	0	0	0
	La Canada Flintridge	MR310.03	Soundwalls on Interstate I-210 (Completed)	4,588	4,588					
	La Canada Flintridge	MR310.45	Soundwalls on Interstate I-210 in La Canada-Flintridge (phase 2)	1,800	600	600	600			
			TOTAL LA CANADA FLINTRIDGE	6,388	5,188	600	600	0	0	0
	LA County	MR310.44	Soudwalls on Interstate I-210 in LA Crescenta-Montrose	3,044	1,000		2,044			
			TOTAL LA COUNTY	3,044	1,000	0	2,044	0	0	0
	Metro	MR310.29	NBSSR Soundwalls on I-210 Glendale/La Crescenta-Montrose	800	0	300	500			
			METRO	800	0	300	500	0	0	0
			TOTAL ARROYO VERDUGO	61,174	40,066	3,270	8,109	7,964	0	0

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Measure R Highway Operational Improvements Project List

Las Virgenes/Malibu Operational Improvements

(Programmed Dollars in Thousands)

(C)hange (A)dd (D)elete	Lead Agency	Funding Agreement (FA) No.	PROJECT/LOCATION	Total Allocation	Prior Years	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
			Las Virgenes/Malibu Operational Improvements	141,851	108,701	17,750	10,400			
	Westlake Village	MR311.01	Lindero Canyon Road Interchange, Phase 3A Design	343.745	343.745					
	Westlake Village	MR311.02	Highway 101 Park and Ride Lot (Design)	243.650	243.650					
	Westlake Village	MR311.10	Rte 101/ Lindero Cyn. Rd. Interchange Improvements, Phase 3B,4B Construction	3,661	3,661.000					
	Westlake Village	MR311.18	Rte 101/ Lindero Cyn. Rd. Interchange Improvements, Phase 3A Construction	8,969	8,969.000					
	Westlake Village	MR311.19	Highway 101 Park and Ride Lot (Construction)	4,983.605	4,983.605					
			TOTAL WESTLAKE VILLAGE	18,201.000	18,201.00	0	0	0	0	0
	Agoura Hills	MR311.03	Palo Comando Interchange	7,350	7,350.000					
	Agoura Hills	MR311.04	Aguora Road/Kanan Road Intersection Improvements	1,000	1,000.000					
C	Agoura Hills	MR311.05	Agoura Road Widening	33,500	32,000.000	1,500				
	Agoura Hills	MR311.14	Kanan Road Overpass Expansion -- PSR, PR, PS&E	150	150.000					
	Agoura Hills	MR311.15	Agoura Hills Multi-Modal Center	100	0.000	100				
			TOTAL AGOURA HILLS	42,100	40,500	1,600	0	0	0	0
	Calabasas	MR311.06	Lost Hills Overpass and Interchange	33,000	26,000.000	7,000				
	Calabasas	MR311.07	Mulholland Highway Scenic Corridor Completion	4,389.8	4,389.800					
	Calabasas	MR311.08	Las Virgenes Scenic Corridor Widening	5,746.2	5,746.200					
	Calabasas	MR311.09	Parkway Calabasas/US 101 SB Offramp	214	214.000					
	Calabasas	MR311.20	Off-Ramp for US 101 at Las Virgenes Road	500	500.000					
	Calabasas	MR311.33	Park and Ride Lot on or about 23577 Calabasas Road (near Route 101)	3,700	3,700.000					
			TOTAL CALABASAS	47,550	40,550	7,000	0	0	0	0
	Malibu	MR311.24	Malibu/Civic Center Way Widening	3,000	2,250.000	750				
	Malibu	MR311.26	PCH-Raised Median and Channelization from Webb Way to Corral Canyon Road	6,950	3,050.000	900	3,000			
	Malibu	MR311.27	PCH Intersections Improvements	1,000	0.000	1,000				
	Malibu	MR311.28	Kanan Dume Road Arrestor Bed Improvements and Intersection with PCH (Construction)	900	900.000					
C	Malibu	MR311.29	PCH Regional Traffic Message System (CMS)	2,500	500.000	500	1,000	500		
	Malibu	MR311.30	PCH Roadway and Bike Route Improvements fr. Busch Dr. to Western City Limits	500	500.000					
	Malibu	MR311.32	PCH and Big Rock Dr. Intersection and at La Costa Area Pedestrian Improvement	950	950.000					
	Malibu	MR311.35	Pacific Coast Highway Shoulder Improvements (Various Locations)	3,500	500.000	1,500	1,500			
C	Malibu	MR311.11	PCH Signal System Improvements from John Tyler Drive to Topanga Canyon Blvd	13,700	300.000	4,000	4,900	4,500		
			TOTAL MALIBU	33,000	8,950	8,650	10,400	5,000	0	0
	Hidden Hills	MR311.34	Long Valley Road/Valley Circle/US-101 On-Ramp Improvements	1,000	500.000	500				
			TOTAL HIDDEN HILLS	1,000	500	500	0	0	0	0
			TOTAL LAS VIRGENES/MALIBU	141,851	108,701	17,750	10,400	5,000	0	0

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Measure R Highway Operational Improvements Project List
 Interstate 405, I-110, I-105, and SR-91 Ramp and Interchange Improvements (SOUTH BAY)

(Programmed Dollars in Thousands)

(C)hange (A)dd (D)elete	Lead Agency	Funding Agreement (FA) No.	PROJECT/LOCATION	Total Allocation	Prior Years	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
INTERSTATE 405, I-110, I-105, and SR-91 RAMP and INTERCHANGE IMPROVEMENTS (SOUTH BAY)				233,024	141,762	24,549	32,438	23,738	10,537	0
	SBCCOG	MR312.01	South Bay Cities COG Program Development & Oversight and Program Administration <i>(Project Development Budget Included)</i>	13,375	9,764	1,900	500	594	617	
TOTAL SBCCOG				13,375	9,764	1,900	500	594	617	0
	Caltrans	MR312.11	ITS: I-405, I-110, I-105, SR-91 at Freeway Ramp/Arterial Signalized Intersections	5,000	5,000					
	Metro/ Caltrans	MR312.24	I-110 Aux lane from SR-91 to Torrance Blvd Aux lane & I-405/I-110 Connector	20,000	3,450	5,900	5,900	4,750	0	
	Metro/ Caltrans	MR312.25	I-405 at 182nd St. / Crenshaw Blvd Improvements	20,000	2,000	2,000	5,900	5,900	4,200	
	Caltrans	MR312.29	ITS: Pacific Coast Highway and Parallel Arterials From I-105 to I-110	9,000	9,000					
	Caltrans	MR312.45	PAED Integrated Corridor Management System (ICMS) on I-110 from Artesia Blvd and I-405	1,000	0			1,000		
TOTAL CALTRANS				55,000	19,450	7,900	11,800	11,650	4,200	0
	Carson	MR312.37	Sepulveda Blvd widening from Alameda Street to ICTF Driveway	1,158	1,158					
	Carson	MR312.46	Upgrade Traffic Control Signals at the Intersection of Figueroa St and 234th St. and Figueroa and 228th st.	150	0	65	85			
	Carson	MR312.41	Traffic Signal Upgrades at 10 Intersections	1,400	0	500	900			
TOTAL CARSON				2,708	1,158	565	985	0	0	0
	El Segundo	MR312.22	Maple Ave Improvements from Sepulveda Blvd to Parkview Ave. (Completed)	2,500	2,500					
	El Segundo	MR312.27	PCH Improvements from Imperial Highway to El Segundo Boulevard	400	400					
	El Segundo	MR312.57	Park Place Roadway Extension and Railroad Grade Separation Project	350	350					
TOTAL EL SEGUNDO				3,250	3,250	0	0	0	0	0
	Gardena	MR312.17	Rosecrans Ave Improvements from Vermont Ave to Crenshaw Blvd (Completed)	5,140	5,140					
	Gardena	MR312.19	Artesia Blvd at Western Ave Intersection Improvements (Westbound left turn lanes) (Completed)	675	675					
	Gardena	MR312.21	Vermont Ave Improvements from Rosecrans Ave to 182nd Street (Completed)	2,350	2,350					
	Gardena	MR312.02	Traffic Signal Reconstruction on Vermont at Redondo Beach Blvd and at Rosecrans Ave.	1,500		40	1,460			
	Gardena	MR312.09	Artesia Blvd Arterial Improvements from Western Ave to Vermont Ave	2,523		80	180	2,263		
TOTAL GARDENA				12,188	8,165	120	1,640	2,263	0	0
	Hawthorne	MR312.03	Rosecrans Ave Widening from I-405 SB off ramp to Isis Ave (Completed)	2,100	2,100					
	Hawthorne	MR312.33	Aviation Blvd at Marine Ave Intersection Improvements (Westbound right turn lane)	3,600	3,600					
	Hawthorne	MR312.44	Hawthorne Blvd Improvements from El Segundo Blvd to Rosecrans Ave (Completed)	7,551	7,551					
	Hawthorne	MR312.47	Signal Improvements on Prairie Ave from 118th St. to Marine Ave.	1,237	0	200	418	619		

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(C)hange (A)dd (D)elete	Lead Agency	Funding Agreement (FA) No.	PROJECT/LOCATION	Total Allocation	Prior Years	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
	Hawthorne	MR312.54	Intersection Widening & Traffic Signal Modifications on Inglewood Ave at El Segundo Blvd; on Crenshaw Blvd At Rocket Road; on Crenshaw at Jack Northop; and on 120th St. from Prairie Ave to Felton Ave	2,000	0	1,000	1,000			
C	Hawthorne	MR312.61	Hawthorne Blvd Arterial Improvements, from 126th St to 111th St.	4,400	0	600	1,000	2,800		
			TOTAL HAWTHORNE	20,888	13,251	1,800	2,418	3,419	0	0
	Hermosa Beach	MR312.05	PCH (SR-1/PCH) Improvements between Anita St. and Artesia Boulevard	304	304					
	Hermosa Beach	MR312.38	Pacific Coast Highway at Aviation Blvd Intersection Improvements (Southbound left turn lanes)	872	872					
	Hermosa Beach	MR312.63	PA/ED on PCH from Aviation Blvd to Prospect Ave	1,800	0	400	1,400			
			TOTAL HERMOSA BEACH	2,976	1,176	400	1,400	0	0	0
	Inglewood	MR312.12	Intelligent Transportation System (ITS): City of Inglewood Citywide ITS Master Plan	3,500	3,500					
	Inglewood	MR312.50	ITS: Phase V - Communication Gap Closure on Various Locations, ITS Upgrade and Arterial Detection	384			192	192		
			TOTAL INGLEWOOD	3,884	3,500	0	192	192	0	0
	LA City	MR312.56	Del Amo Blvd Improvements from Western Ave to Vermont Ave Project Oversight	100	100					
	LA City	MR312.51	Improve Anaheim St. from Farragut Ave. to Dominguez Channel (Call Match) F7207	1,100	149	133.89	817.07			
			TOTAL LA CITY	1,200	249	134	817	0	0	0
	LA County	MR312.16	Del Amo Blvd improvements from Western Ave to Vermont Ave	26,820	6,900	5,000	5,000	5,000	4,920	
	LA County	MR312.52	ITS: Improvements on South Bay Arterials	1,021	0		401	620		
			TOTAL LA COUNTY	27,841	6,900	5,000	5,401	5,620	4,920	0
	Lawndale	MR312.15	Inglewood Ave Widening from 156th Street to I-405 Southbound on-ramp	500	500					
	Lawndale	MR312.36	ITS: City of Lawndale Citywide Improvements	1,500	1,500					
	Lawndale	MR312.49	Redondo Beach Blvd Mobility Improvements from Prairie to Artesia (Call Match) F9101	1,600	0		800		800	
	Lawndale	MR312.53	Bike Lanes on Hawthorne Blvd. frm Rosecrans Ave to Manchester Beach Blvd	47	12		35			
			TOTAL LAWDALE	3,647	2,012	0	835	0	800	0
	Lomita	MR312.43	Intersection Improvements at Western/Palos Verdes Dr and PCH/Walnut	900	900					
			TOTAL LOMITA	900	900	0	0	0	0	0
	Manhattan Beach	MR312.04	Sepulveda Blvd at Marine Ave Intersection Improvements (West Bound left turn lanes) (Completed)	365	365					
	Manhattan Beach	MR312.28	Seismic retrofit of widened Bridge 53-62 from Sepulveda Blvd from 33rd Street to south of Rosecrans Ave	9,100	9,100					
	Manhattan Beach	MR312.34	Aviation Blvd at Artesia Blvd Intersection Improvements (Southbound right turn lane)	1,500	1,500					
	Manhattan Beach	MR312.35	Sepulveda Blvd at Manhattan Beach Blvd Intersection Improvements (NB, WB, EB left turn lanes and SB right turn lane)	980	980					
	Manhattan Beach	MR312.62	Sepulveda Blvd Operational Improvements at Rosecrans Ave, 33rd St, Cedar Ave, 14th St and 2nd St.	900	0	50	850			
			TOTAL MANHATTAN BEACH	12,845	11,945	50	850	0	0	0
	Metro/ Caltran	MR312.30	Feasibility Study for I-405 from I-110 to I-105 and I-105 from I-405 to I-110	700		300	400			

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(C)hange (A)dd (D)elete	Lead Agency	Funding Agreement (FA) No.	PROJECT/LOCATION	Total Allocation	Prior Years	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
	Metro/ Caltran	MR312.48	Western Ave. (SR-213) from Palos Verdes Drive North to Gardena – PSR	170		70	100			
	Metro/ Caltran	MR312.32	SR-1 from Eastern Boundary of Carson to Eastern Boundary of Torrance – PSR	170		70	100			
	Metro	PS4010-2540	South Bay Arterial Baseline Conditions Analysis (Completed)	250	250					
	Metro	MR312.31	Inglewood Transit Center at Florence/La Brea	1,500	260	1,240				
			TOTAL METRO	2,790	510	1,680	600	0	0	0
	Rancho Palos Verdes	MR312.39	Western Ave. (SR-213) from Palos Verdes Drive North to 25th street – PSR	90		30	60			
			TOTAL RANCHO PALOS VERDES	90		30	60			
	Redondo Beach	MR312.06	Pacific Coast Highway improvements from Anita Street to Palos Verdes Blvd	1,400	1,400					
	Redondo Beach	MR312.07	Pacific Coast Highway at Torrance Blvd intersection improvements (Northbound right turn lane)	586	586					
	Redondo Beach	MR312.08	Pacific Coast Highway at Palos Verdes Blvd intersection improvements (WB right turn lane)	320	320					
	Redondo Beach	MR312.13	Aviation Blvd at Artesia Blvd intersection improvements (Completed) (Eastbound right turn lane)	22	22					
	Redondo Beach	MR312.14	Inglewood Ave at Manhattan Beach Blvd intersection improvements (Eastbound right turn lane) (Completed)	30	30					
	Redondo Beach	MR312.20	Aviation Blvd at Artesia Blvd intersection improvements (Northbound right turn lane)	847	847					
	Redondo Beach	MR312.42	Inglewood Ave at Manhattan Beach Blvd intersection improvements (Southbound right turn lane)	5,175	5,175					
			TOTAL REDONDO BEACH	8,380	8,380	0	0	0	0	0
	Torrance	MR312.10	Pacific Coast Highway at Hawthorne Blvd intersection improvements	19,600	19,600					
	Torrance	MR312.18	Maple Ave at Sepulveda Blvd Intersection Improvements (Completed) (Southbound right turn lane)	600	600					
	Torrance	MR312.23	Torrance Transit Park and Ride Regional Terminal Project 465 Crenshaw Blvd	18,100	18,100					
	Torrance	MR312.26	I-405 at 182nd St. / Crenshaw Blvd Operational Improvements	15,300	5,300	5,000	5,000			
	Torrance	MR312.40	Pacific Coast Highway at Vista Montana/Anza Ave Intersection Improvements	2,900	2,900					
	Torrance	MR312.58	Pacific Coast Highway from Calle Mayor to Janet Lane Safety Improvements	852	852					
	Torrance	MR312.59	Pacific Coast Highway at Madison Ave Signal upgrades to provide left-turn phasing	500	500					
	Torrance	MR312.60	Crenshaw from Del Amo to Dominguez - 3 SB turn lanes at Del Amo Blvd, 208th St., Transit Center Entrance, Signal Improvements at 2 new signal at Transit Center	3,300	3,300					
			TOTAL TORRANCE	61,152	51,152	5,000	5,000	0	0	0
			TOTAL SOUTH BAY	233,024	141,762	24,549	32,438	23,738	10,537	0

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Measure R Highway Operational Improvements Project List

SR-138 Capacity Enhancements

(Programmed Dollars in Thousands)

(C)hange (A)dd (D)efete	Lead Agency	Funding Agreement (FA) No.	PROJECT/LOCATION	Total Allocation	Prior Years	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
SR-138 Capacity Enhancements				200,000	72,900	33,800	20,100	28,000	45,200	
10 Year Forecasted Funds In Long Range Plan (cumulative)				200,000						
C	Metro	MR330.01	SR-138 (AvenueD) PA/ED (I-5 to SR-14)	19,400	18,000	1,400				
A	Caltrans	MR330.12	SR 138 Segment 6 Construction	5,600				5,600		
TOTAL METRO				25,000	18,000	1,400	0	5,600	0	0
	Lancaster	MR330.02	SR-138 (SR-14) Avenue K Interchange	15,000	5,000	10,000				
	Lancaster	MR330.03	SR-138 (SR-14) Avenue G Interchange	15,000	3,100				11,900	
	Lancaster	MR330.04	SR-138 (SR-14) Avenue J Interchange	10,000	2,300	1,000			6,700	
	Lancaster	MR330.05	SR-138 (SR-14) Avenue L Interchange	5,000	200	100	900		3,800	
	Lancaster	MR330.06	SR-138 (SR-14) Avenue M Interchange	20,000	3,900	500		15,600		
TOTAL LANCASTER				65,000	14,500	11,800	900	15,600	22,400	
	Palmdale	MR330.07	SR-138 Palmdale Blvd. (SR-138) 5th to 10th St. East	25,000	25,000					
	Palmdale	MR330.08	SR-138 Palmdale Blvd. SB 14 Ramps	25,000	4,100	2,500		6,800	11,600	
	Palmdale	MR330.09	SR-138 10th St. West Interchange	15,000	3,900	7,000	4,100			
	Palmdale	MR330.10	SR-138 (SR-14) Widening Rancho Vista Blvd. to Palmdale Blvd	25,000	6,600	8,800	9,600			
	Palmdale	MR330.11	SR-138 Avenue N Overcrossing	20,000	800	2,500	5,500		11,200	
TOTAL PALMDALE				110,000	40,400	20,800	19,200	6,800	22,800	
TOTAL SR-138 CAPACITY ENHANCEMENTS				200,000	72,900	33,800	20,100	28,000	45,200	

ATTACHMENT A

**Measure R Highway Operational Improvements Project List
I-605/SR-91/I-405 Corridors "Hot Spots"**

(Programmed Dollars in Thousands)

(C)hange (A)dd (D)efete	Lead Agency	Funding Agreement (FA) No.	PROJECT/LOCATION	Total Allocation	Prior Years	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
INTERSTATE 605/STATE ROUTE 91/INTERSTATE 405 CORRIDOR "HOT SPOTS"				191,650	88,074	55,039	18,360	18,877	8,800	2,500
	GCCOG	MOU.306.03	GCCOG Engineering Support Services	300	300					
	GCCOG	MR315.29	Gateway Cities Third Party Support	100	100					
			TOTAL GCCOG	400	400					
	Metro	PS4720-3334	Program/Project Management Support of Measure R Funds	200	200					
	Metro	PS4720-3252	I-605 Arterial Hot Spots in the City of Whittier: PAED for Santa Fe Springs/Whittier, Painter/Whittier, & Colima Whittier Intersection Improvements	680	680					
	Metro	PS4720-3250	Arterial Hot Spots in the Cities of Long Beach, Bellflower, and Paramount: PAED for Lakewood/Alondra, Lakewood/Spring, and Bellflower Spring Intersection & PS&E for Lakewood/Alondra Intersection Improvements	573	573					
	Metro	PS4720-3251	Arterial Hot Spots in the Cities of Cerritos, La Mirada, and Santa Fe Springs: PAED for Valley View/Rosecrans, Valley View/Alondra, Carmenita/South, and Bloomfield/Artesia Intersection Improvements	561	561					
	Metro	AE25081	Arterial Hot Spots in the Cities of Cerritos: PS&E for Carmenita/South and Bloomfield/Artesia Intersection Improvements	100	100					
	Metro	AE25083	Arterial Hot Spots in the Cities of La Mirada and Santa Fe Springs: PS&E for Valley View/Rosecrans and Valley View/Alondra Intersection Improvements	100	100					
	Metro	PS4603-2582	Professional Services for I-605 Feasibility Study (Completed)	6,170	6,170					
	Metro	PS4603-2582	Professional Services for PSR/PDS: I-5/I-605 and I-605/SR-91 (Completed)	3,121	3,121					
	Metro	PS4720-3235	Professional Services for 605/60 PSR/PDS	3,040	3,040					
	Metro	AE2259	Professional Services for 605/60 PA/ED	34,000	3,000	7,000	8,000	8,000	8,000	
	Metro	PS47203004	Professional Services for the Gateway Cities Strategic Transportation Plan	10,430	9,339	1,091				
	Metro	AE3334100113 75	Professional Services for the I-605/I-5 PA/ED	20,698	3,000	5,000	5,000	7,698		
	Metro	AE4761100123 34	Professional Services for the I-605/SR-91 PA/ED	8,026	263	3,200	3,100	1,463		
	Metro	AE3229400113 72	Professional Services for 710/91 PSR/PDS	2,340	1,590	750				
	Metro	MR315.49	Third Party Support for the I-605 Corridor "Hot Spots" Interchanges Program Development (Gateway Cities, SCE, LA County)	300	300					
	Metro	MR315.50	Freeway Early Action Projects (PA/ED & PS&E)	24,000		24,000				
			TOTAL METRO	114,338	32,036	41,041	16,100	17,161	8,000	0

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(C)hange (A)dd (D)elete	Lead Agency	Funding Agreement (FA) No.	PROJECT/LOCATION	Total Allocation	Prior Years	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
	Caltrans	MR315.28	Third Party Support for the I-605 Corridor "Hot Spots" Interchanges Program Development, I-605/SR-60 PSR-PDS	260	260					
	Caltrans	MR315.47	Third Party Support for the I-605 Corridor "Hot Spots" Interchanges Program Development, I-605/SR-60 PA/ED	3,650	400	850	800	800	800	
	Caltrans	MR315.24	Third Party Support for the I-605 Corridor "Hot Spots" Interchanges Program Development, I-605/I-5 PA/ED	2,070	300	500	500	770		
	Caltrans	MR315.08	Third Party Support for the I-605 Corridor "Hot Spots" Interchanges Program Development, I-605/SR-91 PA/ED	803	26	320	310	146		
	Caltrans	MR315.48	Third Party Support for the I-605 Corridor "Hot Spots" Interchanges Program Development, I-605 Intersection Improvements	60	60					
	Caltrans	MR315.13	Third Party Support for the I-605 Corridor "Hot Spots" Interchanges Program Development, I-710/SR-91 PSR-PDS	234	159	75				
			TOTAL CALTRANS	7,076	1,205	1,745	1,610	1,716	800	0
	Bellflower	MR315.16	Bellflower Blvd- Artesia Blvd Intersection Improvement Project	7,310	6,210	1,100				
	Bellflower	MR315.33	Lakewood - Alondra Intersection Improvements: Construction	644	644					
			TOTAL BELLFLOWER	7,954	6,854	1,100	0	0	0	0
	Cerritos	MR315.38	Carmenita - South Intersection Improvements, Construction	292	292					
	Cerritos	MR315.39	Bloomfield - Artesia Intersection Improvements, ROW & Construction	1,756	1,756					
			TOTAL CERRITOS	2,048	2,048	0	0	0	0	0
	Downey	MR315.03	Lakewood - Telegraph Intersection Improvements	2,120	2,120					
	Downey	MR315.14	Lakewood - Imperial Intersection Improvements	2,760	2,760					
	Downey	MR315.27	Lakewood - Florence Intersection Improvements	1,310	1,310					
	Downey	MR315.18	Bellflower - Imperial Highway Intersection Improvements	2,740	2,740					
			TOTAL DOWNEY	8,930	8,930	0	0	0	0	0
	LA County	MR315.07	Painter - Mulberry Intersection Improvements	2,410	760	1,650				
	LA County	MR315.11	Valley View - Imperial Intersection Improvements	1,640	1,640					
	LA County	MR315.15	Norwalk-Whittier Intersection Improvements	2,830	1,050	1,780				
C	LA County	MR315.23	Carmenita - Telegraph Intersection Improvements	1,400	800	600				
	LA County	MR315.22	Norwalk-Washington Intersection Improvements	550	550					
	LA County	F9511	South Whittier Bikeway Access Improvements (Call Match)	800						800
			TOTAL LA COUNTY	9,630	4,800	4,030	0	0	0	800
	Lakewood	MR315.36	Lakewood Blvd Regional Capacity Enhancement	3,600	1,000	2,600				
	Lakewood	MR315.04	Lakewood - Del Amo Intersection Improvements	5,504	5,504					
			TOTAL LAKEWOOD	9,104	6,504	2,600	0	0	0	0

ATTACHMENT A

(C)hange (A)dd (D)elete	Lead Agency	Funding Agreement (FA) No.	PROJECT/LOCATION	Total Allocation	Prior Years	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
	Long Beach	F9130	2015 CFP - Artesia Complete Blvd (Call Match)	900						900
	Long Beach	F9532	2015 CFP - Atherton Bridge & Campus Connection (Call Match)	800						800
	Long Beach	F9808	Park or Ride (Call Match)	150		150				
	Long Beach	MR315.60	Soundwall on I-605 near Spring Street, PAED and PSE	250	50	100	100			
	Long Beach	MR315.61	Lakewood - Spring Intersction Improvements, PSE and Construction	454	454					
	Long Beach	MR315.62	Bellflower - Spring Intersection Improvements, PSE and Construction	493	493					
			TOTAL LONG BEACH	3,047	997	250	100	0	0	1,700
	Norwalk	MR315.06	Studebaker - Rosecrans Intersection Improvements	1,670	1,670					
	Norwalk	MR315.10	Bloomfield - Imperial Intersection Improvements	920	920					
	Norwalk	MR315.17	Pioneer - Imperial Intersection Improvements	1,509	1,509					
	Norwalk	MR315.26	Studebaker - Alondra Intersection Improvements	480	480					
	Norwalk	MR315.43	Imperial Highway ITS Project, from San Gabriel River to Shoemaker Rd. (PAED, PS&E, CON)	3,380	3,380					
			TOTAL NORWALK	7,959	7,959	0	0	0	0	0
	Pico Rivera	MR315.05	Rosemead - Beverly Intersection Improvements	8,474	4,251	4,223				
	Pico Rivera	MR315.09	Rosemead - Whittier Intersection Improvements	1,388	1,388					
	Pico Rivera	MR315.21	Rosemead - Washington Intersection Improvements	40	40					
	Pico Rivera	MR315.19	Rosemead - Slauson Intersection Improvements	2,195	2,195					
			TOTAL PICO RIVERA	12,097	7,874	4,223	0	0	0	0
	Santa Fe Springs	MR315.40	Valley View - Rosecrans Intersection Improvements, Construction	524	524					
	Santa Fe Springs	MR315.41	Valley View - Alondra Intersection Improvements, ROW & Construction	2,967	2,967					
	Santa Fe Springs	MR315.42	Florence Avenue Widening Project, from Orr & Day to Pioneer Blvd (PAED, PSE, ROW)	600	0	50	550			
			TOTAL SANTA FE SPRINGS	4,091	3,491	50	550	0	0	0
	Whittier	MR315.44	Santa Fe Springs Whittier Intersection Improvements: PSE, ROW, Construction	1,568	1,568					
	Whittier	MR315.45	Painter Ave - Whittier Intersection Improvements: PSE, ROW, Construction	1,760	1,760					
	Whittier	MR315.46	Colima Ave - Whittier Intersection Improvements: PSE, ROW, Construction	1,646	1,646					
			TOTAL WHITTIER	4,974	4,974	0	0	0	0	0
			TOTAL I-605/SR-91/I-405 CORRIDORS "HOT SPOTS"	191,650	88,074	55,039	18,360	18,877	8,800	2,500

ATTACHMENT A

Measure R Highway Operational Improvements Project List
I-710 South and/or Early Action Project List

(Programmed Dollars in Thousands)

(C)hange (A)dd (D)ele	Lead Agency	Funding Agreement (FA) No.	PROJECT/LOCATION	Total Allocation	Prior Years	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
			INTERSTATE 710 SOUTH EARLY ACTION PROJECT	142,176	97,786	44,118	0	0	0	258
	GCCOG	MOU.306.03	GCCOG Engineering Support Services	1,600	1,600					
			TOTAL GCCOG	1,700	1,600	100				
	Metro	PS4720-3334	Program/Project Management Support of Measure R Funds	200	200					
	Metro	PS-4010-2540-02-17	I-710/I-5 Interchange Project Development	600	600					
	Metro	various	Professional Services contracts for I-710 Utility Studies (North, Central, South)	25,046	16,237	8,809				
	Metro	PS4340-1939	Professional Services contract for I-710 Corridor Project EIR/EIS	32,521	18,750	13,771				
	Metro	PS4710-2744	Professional Services contract for I-710 Soundwall Project Development	10,878	8,678	2,200				
	Metro	MOU.Calstart2010	Professional Services contract for development of zero emission technology report	150	150					
C	Metro		I-710 ITS/Air Quality Early Action (Grant Match)	11,760		11,760				
C	Metro	MR306.40	I-710 Eco-FRATIS Drayage Truck Efficiency Project (Grant Match)	240		240				
A	Metro	MR306.38	Sustainable Transportation Planning Grant (Grant Match)	64.78		64.78				
			TOTAL METRO	81,460	44,615	36,845				
	Metro	USACE	Third Party Support Services for I-710 Corridor Project (US Army Corp of Eng)	100	100					
			TOTAL USACE	100	100					
	Metro	MR306.5B	Third Party Support Services for I-710 Corridor Project (So Cal Edison)	1,623	1,223	400				
	Metro	MR306.39	I-710 Soundwall Project - SCE Utility Relocation Engineering Advance	75	0	75				
			TOTAL SCE	1,698	1,223	475				
	Caltrans	MR306.24	Reconfiguration of Firestone Blvd On-Ramp to I-710 S/B Freeway	1,450	1,450					
	Caltrans	MR306.27	Third Pary Support for I-710 Corridor Project EIR/EIS Enhanced IQA	3,500	2,500	1,000				
	Caltrans	MR306.29	I-710 Early Action Project - Soundwall PA/ED Phase - Noise Study Only	100	100					

ATTACHMENT A

(C)hange (A)dd (D)elete	Lead Agency	Funding Agreement (FA) No.	PROJECT/LOCATION	Total Allocation	Prior Years	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
			TOTAL CALTRANS	5,050	4,050	1,000				
	LA County	MR306.16	Staff Support for the Review of the Draft I-710 South EIR/EIS	98	98					
			TOTAL LA COUNTY	98	98					
C	Bell	MR306.37	Eastern at Bandini Rickenbacker Project (Call Match)	155		155				
	Bell	MR306.07	Staff Support for the Review of the Draft I-710 South EIR/EIS	150	150					
			TOTAL BELL	150	150					
	Bell Gardens	MR306.08	Staff Support for the Review of the Draft I-710 South EIR/EIS	154	154					
	Bell Gardens	MR306.35	Florence/Jaboneria Intersection Project (Call Match)	258	0					258
	Bell Gardens	MR306.30	Florence Ave/Eastern Ave Intersection Widening	348	0	348				
			TOTAL BELL GARDENS	760	154	348				258
	Commerce	MR306.23	Washington Blvd Widening and Reconstruction Project	13,500	10,500	3,000				
	Commerce	MR306.09	Staff Support for the Review of the Draft I-710 South EIR/EIS	75	75					
			TOTAL COMMERCE	13,575	10,575	3,000				
	Compton	MR306.10	Staff Support for the Review of the Draft I-710 South EIR/EIS	35	35					
			TOTAL COMPTON	35	35					
	Downey	MR306.18	Staff Support for the Review of the Draft I-710 South EIR/EIS	130	130					
	Downey	MR306.20	Paramount Blvd/Firestone Intersection Improvements	3,390	3,390					
	Downey	MR306.31	Lakewood Blvd Improvement Project	5,000	5,000					
			TOTAL DOWNEY	8,520	8,520					
	Huntington Park	MR306.36	Staff Support for the Review of the Draft I-710 South EIR/EIS	15	15					
			TOTAL HUNTINGTON PARK	15						
	Long Beach	MR306.19	Shoemaker Bridge Replacement Project	5,500	4,000	1,500				
	Long Beach	MR306.11	Staff Support for the Review of the Draft I-710 South EIR/EIS	200	200					
	Long Beach	MR306.22	Atlantic Ave/Willow St Intersection Improvements	300	300					
			TOTAL LONG BEACH	6,000	4,500	1,500				0
	Maywood	MR306.12	Staff Support for the Review of the Draft I-710 South EIR/EIS	65	65					
			TOTAL MAYWOOD	65	65					
	Paramount	MR306.13	Staff Support for the Review of the Draft I-710 South EIR/EIS	130	130					
	Paramount	MR306.32	Garfield Ave Improvements	2,075	2,075					
			TOTAL PARAMOUNT	2,205	2,205					

ATTACHMENT A

(C)change (A)add (D)delete	Lead Agency	Funding Agreement (FA) No.	PROJECT/LOCATION	Total Allocation	Prior Years	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21
	South Gate	MR306.14	Staff Support for the Review of the Draft I-710 South EIR/EIS	200	200					
	South Gate	MR306.17	Atlantic Ave/Firestone Blvd Intersection Improvements (Complete)	12,400	12,400					
	South Gate	MR306.33	Firestone Blvd Regional Corridor Capacity Enhancement Project	6,000	6,000					
			TOTAL SOUTH GATE	18,600	18,600					
	Vernon	MR306.15	Staff Support for the Review of the Draft I-710 South EIR/EIS	75	75					
	Vernon	MR306.25	Atlantic Blvd Bridge Widening and Rehabilitation	2,070	1,220	850				
			TOTAL VERNON	2,145	1,295	850				
			TOTAL I-710 SOUTH AND EARLY ACTION PROJECTS	142,176	97,786	44,118	0			258