Arroyo Verdugo Subregion Measure R Highway Operational Improvements Project List

Measure R Highway Operational Improvements Project List

(Programmed Dollars in Thousands)

Proposed Project List and Ten-Year Allocation (Fiscal Years subject to MTA priority setting & budget process)

(C)hange (A)dd (D)elete	Lead Agency	Funding Agreement (FA) No.	oject List and Ten-Year Allocation (Fiscal Years subject to MTA priority setting & budg Project/Location	Total Allocation (10 yr)	Prior Years	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
		Arroyo Verd	ugo Operational Improvements (38 projects - 3 New)	61,510	34,974	6,735	2,428	9,109	7,964	0
			10 Year Forecasted Funds In Long Range Plan (cumulative)	64,000						
	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					600	
		•	TOTAL BURBANK	17,964	9,500	500	0	0	7,964	0
	Glendale	MR310.12	Glendale FWY Ramps/Space 134	293	93	200				
	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	1,658.7					
	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	876.5					
С	Glendale	MR310.16	SR-134 / Glendale Ave. Interchange Modification	1,585	1,585.5					
	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					
	Glendale	MR310.37	Verdugo Boulevard Rehabilitation (Verdugo Road to E'ly City Boundary)	1,000		1,000				
	Glendale	MR310.36	Signalizations of SR-2 Fwy Ramps @ Holly	600			100	500		
	Glendale	MR310.39	Widening of SR-2 Fwy Ramps @ Mountain	1,200			150	1,050		
С	Glendale	MR310.25	210 Soundwalls Project	4,520			1,520	3,000		
	Glendale	MR310.35	Signal Installations at Various Locations	1,500	750	750				

(C)hange (A)dd (D)elete	Lead Agency	Funding Agreement (FA) No.	Project/Location	Total Allocation (10 yr)	Prior Years	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
	Glendale	MR310.30	North Brand Boulevard Rehabilitation (Freeway 134 to Mountain Street)	1,000				1,000		
	Glendale	MR310.32	Regional Arterial Performance Measures	100				100		
	Glendale	MR310.34	Regional Bike Stations (Call Match)	315				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 Bold. 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				
	Glendale	MR310.27	Verdugo Wash: Cycle Track	408	50	300	58			
	Glendale	MR310.17	Ocean Blvd. Project from Verdugo Rd. to N'ly City Boundaries	1,000		1,000				
			TOTAL GLENDALE	33,314	20,486	5,035	1,828	5,965	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	4,588	600	600	600	0	0
С	LA County	MR310.44	Soudwalls on Interstate I-210 in LA Crescenta-Montrose	3,044	400	600		2,044		
			TOTAL LA COUNTY	3,044	400	600	0	2,044	0	0
Α	Metro		NBSSR Soundwalls on I-210 Glendale/La Crescenta-Montrose	800		_	300	500		
			METRO	800	0	0	300	500	0	0
	•		TOTAL ARROYO VERDUGO	61,510	34,974	6,735	2,728	9,109	7,964	0
	•			•		5	Year Allocat	ion		

Las Virgenes/Malibu Operational Improvements

Measure R Highway Operational Improvements Project List

(Programmed Dollars in Thousands)

Proposed Project List and Eleven-Year Allocation (Fiscal Years subject to MTA priority setting & budget process)

(C)hange (A)dd	Lead Agency	Funding Agreement (FA) No.	Project/Location	Total Allocation (10 yr)	Prior Years	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
		Las Virgenes/N	Malibu Operational Improvements	128,351	77,270	31,431	13,250	6,400		
		T	10 Year Forecasted Funds In Long Range Plan (cumulative)	128,351						
	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	3,591.000	70				
	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	4,558.250	425.355				
			TOTAL WESTLAKE VILLAGE	18,201.000	17,705.65	495	0	0	0	0
	Agoura Hills	MR311.03	Palo Comando Interchange	7,350	5,600	1,750				
	Agoura Hills	MR311.04	Aguora Road/Kanan Road Intersection Improvements	1,000	1,000					
	Agoura Hills	MR311.05	Agoura Road Widening	32,000	20,250	11,750				
С	Agoura Hills	MR311.14	Kanan Road Overpass Expansion PSR, PR, PS&E	150	150					
А	Agoura Hills	MR311.15	Agoura Hills Multi-Modal Center	100			100			
			TOTAL AGOURA HILLS	40,600	27,000	13,500	100	0	0	0
С	Calabasas	MR311.06	Lost Hills Overpass and Interchange	33,000	21,000	5,000	7,000			
	Calabasas	MR311.07	Mulholland Highway Scenic Corridor Completion	4,389.8	2,250	2,139.8				
	Calabasas	MR311.08	Las Virgenes Scenic Corridor Widening	5,746.2	2,350	3,396.2				
	Calabasas	MR311.09	Parkway Calabasas/US 101 SB Offramp	214	214					
	Calabasas	MR311.20	Off-Ramp for US 101 at Las Virgenes Road	500	500					
	Calabasas	MR311.33	Park and Ride Lot on or about 23577 Calabasas Road (near Route 101)	3,700	3,200	500				
			TOTAL CALABASAS	47,550	29,514	11,036	7,000	0	0	0

(C)hange (A)dd	Lead Agency	Funding Agreement (FA) No.	Project/Location	Total Allocation (10 yr)	Prior Years	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
	Malibu	MR311.24	Malibu/Civic Center Way Widening	3,000	150	2,100	750			
	Malibu	MR311.26	PCH-Raised Median and Channelization from Webb Way to Corral Canyon Road	6,950	550	2,500	900	3,000		
	Malibu	MR311.27	PCH Intersections Improvements	1,000	0		1,000			
	Malibu	MR311.28	Kanan Dume Road Arrestor Bed Improvements and Intersection with PCH (Construction)	900	900					
	Malibu	MR311.29	PCH Regional Traffic Message System (CMS)	500	0	500				
	Malibu	MR311.30	PCH Roadway and Bike Route Improvements fr. Busch Dr. to Western City Limits	500	500					
	Malibu	MR311.32	PCH and Big Rock Dr. Intersection and at La Costa Area Pedestrian Improvements	950	950					
	Malibu	MR311.35	Pacific Coast Highway Shoulder Improvements (Various Locations)	3,500	0	500	1,500	1,500		
	Malibu	MR311.11	PCH Signal System Improvements from John Tyler Drive to Topanga Canyon Blvd	3,700	0	300	1,500	1,900		
			TOTAL MALIBU	21,000	3,050	5,900	5,650	6,400	0	0
	Hidden Hills	MR311.34	Long Valley Road/Valley Circle/US-101 On-Ramp Improvements	1,000	0	500	500			
			TOTAL HIDDEN HILLS	1,000	0	500	500	0	0	0
			TOTAL LAS VIRGENES/MALIBU	128,351	77,270	31,431	13,250	6,400	0	0
						5 \	Year Allocation	on		

INTERSTATE 405, I-110, I-105, and SR-91 RAMP and INTERCHANGE IMPROVEMENTS (SOUTH BAY)

Measure R Highway Operational Improvements Project List

(Programmed Dollars in Thousands)

			ect List and Ten-Year Allocation (Fiscal Years subject to MTA priority settings & budg	et processes)							
(C)hange (A)dd (D)elete	Lead Agency	Funding Agreement (FA) No.	Project/Location	Total Allocation	Prior Years	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021
INTERSTAT	E 405, I-110, I-1	.05, and SR-91 I	RAMP and INTERCHANGE IMPROVEMENTS (SOUTH BAY)	233,024	120,064	21,698	24,549	32,438	23,738	10,537	0
			10 Year Forecasted Funds In Long Range Plan (Cumulative)	237,000							
	SBCCOG	MR312.01	South Bay Cities COG Program Development & Oversight and Program Administration (<i>Project Development Budget Included</i>)	13,375	8,904	860	1,900	500	594	617	
			TOTAL SBCCOG	13,375	8,904	860	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	1,450	2,000	5,900	5,900	4,750	0	
	Metro/ Caltrans	MR312.25	I-405 at 182nd St. / Crenshaw Blvd Improvements	20,000	1,700	300	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					1,000		
			TOTAL CALTRANS	55,000	17,150	2,300	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						
А	Carson	MR312.46	Upgrade Traffic Control Signals at the Intersection of Figueroa St and 234th St. and Figueroa and 228th st.	150			65	85			
Α	Carson	MR312.41	Traffic Signal Upgrades at 10 Intersections	1,400			500	900			
			TOTAL CARSON	2,708	1,158	0	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	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						
D	Gardena		Redondo Beach Blvd Arterial Improvements from Crenshaw Blvd to Vermont Ave (Call Match)	0							
D	Gardena		Crenshaw Blvd Arterial Improvements from Redondo Beach Blvd to El Segundo Blvd (Call Match)	0							
D	Gardena		Park and Ride Lots at Southwest corners of El Segundo Blvd at Vermont Ave and at Western ave (Call Match)	0							
D	Gardena		Normandie Ave Arterial Improvements from El Segundo Blvd to 177th Street (Call Match)	0							

(C)hange (A)dd (D)elete	Lead Agency	Funding Agreement (FA) No.	Project/Location	Total Allocation	Prior Years	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021
C	Gardena	MR312.02	Traffic Signal Reconstruction on Vermont at Redondo Beach Blvd and at Rosecrans Ave.	1,500			40	1,460			
С	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	0	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	600	3,000					
	Hawthorne	MR312.44	Hawthorne Blvd Improvements from El Segundo Blvd to Rosecrans Ave (Completed)	7,551	7,551						
С	Hawthorne	MR312.47	Signal Improvements on Prairie Ave from 118th St. to Marine Ave.	1,237			200	418	619		
А	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			1,000	1,000			
Α	Hawthorne	MR312.61	Hawthorne Blvd Arterial Improvements, from 120th St to 111th St.	4,400			600	1,000	2,800		
			TOTAL HAWTHRONE	20,888	10,251	3,000	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					
С	Hermosa Beach	MR312.63	PA/ED on PCH from Aviation Blvd to Prospect Ave	1,800			400	1,400			
	1		TOTAL HERMOSA BEACH	2,976	304	872	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		
	1		TOTAL INGLEWOOD	3,884	3,500	0	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		148.54	133.89	817.07			
			TOTAL LA CITY	1,200	100	149	134	817	0	0	0
	LA County	MR312.16	Del Amo Blvd improvements from Western Ave to Vermont Ave	26,820	1,900	5,000	5,000	5,000	5,000	4,920	
	LA County	MR312.52	ITS: Improvements on South Bay Arterials	1,021				401	620		
			TOTAL LA COUNTY	27,841	1,900	5,000	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)	1,600				800		800	
	Lawndale	MR312.53	Bike Lanes on Hawthorne Blvd. frm Rosecrans Ave to Manchester Beach Blvd	47		12		35			
	<u>. </u>		TOTAL LAWNDALE	3,647	2,000	12	0	835	0	800	0

(C)hange		Funding									
(A)dd (D)elete	Lead Agency	Agreement (FA) No.	Project/Location	Total Allocation	Prior Years	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021
	Lomita	MR312.43	Intersection Improvements at Western/Palos Verdes Dr and PCH/Walnut	900	900						
			TOTAL LOMITA	900	900	0	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					
А	Manhattan Beach	MR312.62	Sepulveda Blvd Operational Improvements at Rosecrans Ave, 33rd St, Cedar Ave, 14th St and 2nd St.	900			50	850			
			TOTAL MANHATTAN BEACH	12,845	9,465	2,480	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			
Α	Metro/ Caltran	MR312.48	Western Ave. (SR-213) from Palos Verdes Drive North to Gardena PSR	170			70	100			
А	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	250	260	1,680	600	0	0	0
Α	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	310	4,865					
			TOTAL REDONDO BEACH	8,380	3,515	4,865	0	0	0	0	0

(C)hange (A)dd (D)elete	Lead Agency	Funding Agreement (FA) No.	Project/Location	Total Allocation	Prior Years	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021									
	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	100	400														
	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	1,800	1,500														
D	Torrance		Western Ave at Sepulveda Blvd Intersection Improvements (Call Match)	0							0									
D	Torrance		Hawthorne Blvd Corridor Intersection Improvements (Lomita Blvd, Emerald, Spencer, and 182nd St) (Call Match)	0																
			TOTAL TORRANCE	61,152	49,252	1,900	5,000	5,000	0	0	0									
			TOTAL SOUTH BAY	233,024	120,064	21,698	24,549	32,438	23,738	10,537	0									
					S	econd 5 Yea	r Allocation		Second 5 Year Allocation											

SR-138 Capacity Enhancements

Measure R Highway Operational Improvements Project List

(Programmed Dollars in Thousands)

Proposed Project List and Ten-Year Allocation (Fiscal Years subject to MTA priority setting & budget process)

(C)hange (A)dd	Lead Agency	Funding Agreement (FA) No.	Project/Location	Total Allocation	Prior Years	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
			pacity Enhancements	200,000	42,700	30,200	36,400	23,100	22,400	45,200
			10 Year Forecasted Funds In Long Range Plan (cumulative)	200,000						
	Metro	MR330.01	SR-138 (AvenueD) PA/ED (I-5 to SR-14)	25,000	13,000	5,000	4,000	3,000		
			TOTAL METRO	25,000	13,000	5,000	4,000	3,000	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	800	2,300				11,900
	Lancaster	MR330.04	SR-138 (SR-14) Avenue J Interchange	10,000	300	2,000	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	1,100	2,800	500		15,600	
			TOTAL LANCASTER	65,000	7,200	7,300	11,600	900	15,600	22,400
	Palmdale	MR330.07	SR-138 Palmdale Blvd. (SR-138) 5th to 10th St. East	25,000	14,500	10,500				
	Palmdale	MR330.08	SR-138 Palmdale Blvd. SB 14 Ramps	25,000	1,600	2,500	2,500		6,800	11,600
	Palmdale	MR330.09	SR-138 10th St. West Interchange	15,000	2,400	1,500	7,000	4,100		
	Palmdale	MR330.10	SR-138 (SR-14) Widening Rancho Vista Blvd. to Palmdale Blvd	25,000	3,600	3,000	8,800	9,600		
	Palmdale	MR330.11	SR-138 Avenue N Overcrossing	20,000	400	400	2,500	5,500		11,200
			TOTAL PALMDALE	110,000	22,500	17,900	20,800	19,200	6,800	22,800
			TOTAL SR-138 CAPACITY ENHANCEMENTS	200,000	42,700	30,200	36,400	23,100	22,400	45,200
						5 \	ear Allocati	ion		

I-605/SR-91/I-405 Corridors "Hot Spots"

Measure R Highway Operational Improvements Project List

Proposed Project List and Top Year Allocation (Fireal Years subject to MTA priority settings & budget

(Programmed Dollars in Thousands)

		Proposed Project L	ist and Ten-Year Allocation (Fiscal Years subject to MTA priority settings & budget processes)								
(C)hange (A)dd (D)elete	Lead Agency	Funding Agreement (FA) No.	Project/Location	Total Allocation	Prior Years	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021
INTERSTA	ATE 605/STATE R	OUTE 91/INTERSTA	TE 405 CORRIDOR "HOT SPOTS"	188,770	46,416	39,968	54,264	18,085	18,588	8,800	2,650
			10 Year Forecasted Funds In Long Range Plan (Cumulative)	164,800							
	GCCOG	MOU.306.03	GCCOG Engineering Support Services	300	200	100					
	GCCOG	MR315.29	Gateway Cities Third Party Support	100	100						
			TOTAL GCCOG	400	300	100					
	Metro	PS4720-3334	Program/Project Management Support of Measure R Funds	200	100	100					
			I-605 Arterial Hot Spots in the City of Whittier: PAED for Santa Fe Springs/Whittier,								
	Metro	PS4720-3252	Painter/Whittier, & Colima Whittier Intersection Improvements	680	680						
			Arterial Hot Spots in the Cities of Long Beach, Bellflower, and Paramount: PAED for								
	Metro	PS4720-3250	Lakewood/Alondra, Lakewood/Spring, and Bellflower Spring Intersection & PS&E for	573	473	100					
			Lakewood/Alondra Intersection Improvements Improvements								
			Arterial Hot Spots in the Cities of Cerritos, La Mirada, and Santa Fe Springs: PAED for Valley								
	Metro	PS4720-3251	View/Rosecrans, Valley View/Alondra, Carmenita/South, and Bloomfield/Artesia	561	561						
	Wetro	F34720-3231	Intersection Improvements	301	301						
			Arterial Hot Spots in the Cities of Cerritos: PS&E for Carmenita/South and								
	Metro	AE25081	Bloomfield/Artesia Intersection Improvements	100		100					
			Arterial Hot Spots in the Cities of La Mirada and Santa Fe Springs: PS&E for Valley								
	Metro	AE25083	, , ,	100		100					
		DC4C02 2502	View/Rosecrans and Valley View/Alondra Intersection Improvements	6.470	C 170						
	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						
С	Metro	AE2259	Professional Services for 605/60 PA/ED	34,000		3,000	7,000	8,000	8,000	8,000	
	Metro		Professional Services for the Gateway Cities Strategic Transportation Plan	10,430	9,339		1,091				
	Metro		Professional Services for the I-605/I-5 PA/ED	20,698		3,000	5,000	5,000	7,698		
С	Metro		Professional Services for the I-605/SR-91 PA/ED	7,763		263	3,200	3,100	1,200		
	Metro	AE322940011372	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								
	Wictio		(Gateway Cities, SCE, LA County)	300	200	100					
Α	Metro	MR315.50	Freeway Early Action Projects (PA/ED & PS&E)	24,000			24,000				
			TOTAL METRO	114,075	23,683	8,353	41,041	16,100	16,898	8,000	0
	Caltrans	MR315.28	Third Party Support for the I-605 Corridor "Hot Spots" Interchanges Program Development, I-605/SR-60 PSR-PDS	260	260						
А	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	
С	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		
С	Caltrans	MR315.08	Third Party Support for the I-605 Corridor "Hot Spots" Interchanges Program Development, I-605/SR-91 PA/ED	776		26	320	310	120		
	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		320	885	1,745	1,610	1,690	800	0
			TOTAL CALITANS	,,050	320	003	1,743	1,010	1,000	000	

(C)hange (A)dd (D)elete	Lead Agency	Funding Agreement (FA) No.	Project/Location	Total Allocation	Previous Years	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021
D	Artesia		2015 CFP- Norwalk Blvd Bicycle and Pedestrian Improvement Project (Call Match)	0							
			TOTAL ARTESIA	0	0	0	0	0	0	0	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					
I			TOTAL BELLFLOWER	7,954	0	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	- 0	1,756	0	0	0	0	0
	Downov	MD21F 02	TOTAL CERRITOS	2,048	0	2,048	0	0	0	0	0
	Downey Downey	MR315.03 MR315.14	Lakewood - Telegraph Intersection Improvements Lakewood - Imperial Intersection Improvements	2,120 2,760	2,120 2,760						
	Downey	MR315.14	Lakewood - Florence Intersection Improvements	1,310	1,310						
С	Downey	MR315.18	Bellflower - Imperial Highway Intersection Improvements	2,740	1,900	840					
C	Downey	IVIN313.16	TOTAL DOWNEY	8,930	8,090	840	0	0	0	0	0
	LA County	MR315.07	Painter - Mulberry Intersection Improvements	2,410	585	175	1,650	U	U	U	U
	LA County	MR315.11	Valley View - Imperial Intersection Improvements	1,640	475	1,165	1,030				
	LA County	MR315.15	Norwalk-Whittier Intersection Improvements	2,830	750	300	1,780				
	LA County	MR315.23	Carmenita - Telegraph Intersection Improvements	800	325	475	1,700				
	LA County	MR315.22	Norwalk-Washington Intersection Improvements	550	250	300					
	LA County	F9511	South Whittier Bikeway Access Improvements (Call Match)	800	230	300					800
D	LA County	13311	Whittier Blvd - Indiana St to Paramount Blvd (Call Match)	0							000
	Excounty		TOTAL LA COUNTY	9,030	2,385	2,415	3,430	0	0	0	800
	Lakewood	MR315.36	Lakewood Blvd Regional Capacity Enhancement	3,600	2,303	1,000	2,600	U	0	U	000
С	Lakewood	MR315.04	Lakewood -Del Amo Intersection Improvements	5,504	3,230	2,274	2,000				
	Lukewood	WINS15.04	TOTAL LAKEWOOD	9,104	3,230	3,274	2,600	0	0	0	0
	Long Beach	F9130	2015 CFP - Artesia Complete Blvd (Call Match)	900	3,230	3,274	2,000	U	0	U	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			130
	Long Beach	MR315.61	Lakewood - Spring Intersction Improvements, PSE and Construction	454		454	100	100			
	Long Beach	MR315.62	Bellflower - Spring Intersection Improvements, PSE and Construction	493		493					
L	zong zeden	1111020102	TOTAL LONG BEACH	3,047	0	997	100	100	0	0	1,850
	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	308	1,201					
	Norwalk	MR315.26	Studebaker - Alondra Intersection Improvements	480	100	380					
А	Norwalk	MR315.43	Imperial Highway ITS Project, from San Gabriel River to Shoemaker Rd. (PAED, PS&E, CON)	3,380		3,380					
			TOTAL NORWALK	4,579	2,998	1,581	0	0	0	0	0
С	Pico Rivera	MR315.05	Rosemead - Beverly Intersection Improvements	8,474	3,000	1,251	4,223				
С	Pico Rivera	MR315.09	Rosemead - Whittier Intersection Improvements	1,388	600	788					
	Pico Rivera	MR315.21	Rosemead - Washington Intersection Improvements	40	40						
С	Pico Rivera	MR315.19	Rosemead - Slauson Intersection Improvements	2,195	1,770	425					
			TOTAL PICO RIVERA	12,097	5,410	2,464	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					
А	Santa Fe Springs	MR315.42	Florence Avenue Widening Project, from Orr & Day to Pioneer Blvd (PAED, PSE, ROW)	600			50	550			
			TOTAL SANTA FE SPRINGS	3,491	0	3,491	0	0	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	0	4,974	0	0	0	0	0
			TOTAL I-605/SR-91/I-405 CORRIDORS "HOT SPOTS"	188,770	46,416	39,968	54,264	18,085	18,588	8,800	2,650
						5 Y	ear Allocation	on			

I-710 South and/or Early Action Project List

Measure R Highway Operational Improvements Project List

(Programmed Dollars in Thousands)

		_	ect List and Ten-Year Program (Fiscal Years subject to MTA priority settings &	budget process	•	_	a Donars III			_	
(C)hange (A)dd (D)elete	Lead Agency	Funding Agreement (FA) No.	Project/Location	Total Allocation	Prior Years	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021
			INTERSTATE 710 SOUTH EARLY ACTION PROJECT	142,112	67,095	30,690	44,053	0	0	0	258
	•		10 Year Forecasted Funds In Long Range Plan (Cumulative)	101,900							
	GCCOG	MOU.306.03	GCCOG Engineering Support Services	1,600	1,300	300					
			TOTAL GCCOG	1,700	1,300	300	100				
	Metro		Program/Project Management Support of Measure R Funds	200	100	100					
	Metro	PS-4010-2540- 02-17	I-710/I-5 Interchange Project Development	600	600						
С	Metro	various	Professional Services contracts for I-710 Utility Studies (North, Central, South)	25,046	14,497	1,740	8,809				
С	Metro	PS4340-1939	Professional Services contract for I-710 Corridor Project EIR/EIS	32,521	15,442	3,308	13,771				
	Metro	PS4710-2744	Professional Services contract for I-710 Soundwall Project Development	10,878	6,424	2,254	2,200				
	Metro	MOU.Calstart 2010	Professional Services contract for development of zero emission technology report	150	150						
Α	Metro	TBD	I-710 ITS/Air Quality Early Action (Grant Match)	12,000			12,000				
			TOTAL METRO	81,395	37,213	7,402	36,780				
	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	1,023	200	400				
Α	Metro	TBD	I-710 Soundwall Project - SCE Utility Relocation Engineering Advance	75			75				
			TOTAL SCE	1,698	1,023	200	475				
	Caltrans	MR306.24	Reconfiguration of Firestone Blvd On-Ramp to I-710 S/B Freeway	1,450	250	1,200					
	Caltrans	MR306.27	Third Pary Support for I-710 Corridor Project EIR/EIS Enhanced IQA	3,500	600	1,900	1,000				
	Caltrans	MR306.29	I-710 Early Action Project - Soundwall PA/ED Phase - Noise Study Only	100	100						
			TOTAL CALTRANS	5,050	950	3,100	1,000				
D	LA County		Whittier Blvd (Indiana to Paramount) Corridor Project (Call Match)	0							
	LA County	MR306.16	Staff Support for the Review of the Draft I-710 South EIR/EIS	98	98						
			TOTAL LA COUNTY	98	98						0
D	Bell	TBD	Eastern at Bandini Rickenbacker Project (Call Match)	0			_				•
	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							258
С	Bell Gardens	MR306.30	Florence Ave/Eastern Ave Intersection Widening	348			348				
			TOTAL BELL GARDENS	760	154		348				258

(C)hange (A)dd (D)elete	Lead Agency	Funding Agreement (FA) No.	Project/Location	Total Allocation	Prior Years	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021
	Commerce	MR306.23	Washington Blvd Widening and Reconstruction Project	13,500	3,500	7,000	3,000				
	Commerce	MR306.09	Staff Support for the Review of the Draft I-710 South EIR/EIS	75	75						
			TOTAL COMMERCE	13,575	3,575	7,000	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	1,500	3,500					
			TOTAL DOWNEY	8,520	5,020	3,500					
	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	1,000	3,000	1,500				
	Long Beach	MR306.11	Staff Support for the Review of the Draft I-710 South EIR/EIS	200	200						
D	Long Beach		2015 CFP - Great 7th St - Connectivity (Call Match)	0							
D	Long Beach		2015 CFP - LA River Gap Closures (Call Match)	0							
	Long Beach	MR306.22	Atlantic Ave/Willow St Intersection Improvements	300	300						
			TOTAL LONG BEACH	6,000	1,500	3,000	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	1,625	450					
			TOTAL PARAMOUNT	2,205	1,755	450					
	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	12,400	12,400						
D	South Gate		South Gate Regional Bikeway Connectivity Program (Call Match)	0							
	South Gate	MR306.33	Firestone Blvd Regional Corridor Capacity Enhancement Project	6,000	1,500	4,500					
			TOTAL SOUTH GATE	18,600	14,100	4,500					
С	Vernon	MR306.15	Staff Support for the Review of the Draft I-710 South EIR/EIS	75	57	18					
	Vernon	MR306.25	Atlantic Blvd Bridge Widening and Rehabilitation	2,070		1,220	850				
			TOTAL VERNON	2,145	57	1,238	850				
			TOTAL I-710 SOUTH AND EARLY ACTION PROJECTS	142,112	67,095	30,690	44,053	0			258
					5 Year Al	location					