

**Metro**Los Angeles County
Metropolitan Transportation AuthorityOne Gateway Plaza
Los Angeles, CA 90012-2952213.922.2000 ext
metro.net**PLANNING AND PROGRAMMING COMMITTEE**
April 15, 2015**SUBJECT: MEASURE R HIGHWAY SUBREGIONAL PROGRAM (MRHSP)****ACTION: APPROVE UPDATED PROJECT LIST****RECOMMENDATION**

A. Approve the updated Project Lists for MRHSP including:

- Highway Operational Improvements in Arroyo Verdugo subregion
- Highway Operational Improvements in Las Virgenes/Malibu subregion
- Interstate 405, I-110, I-105, and SR-91 Ramp and Interchange Improvements (South Bay)
- State Route 138 Capacity Enhancements
- Interstate 605 Corridor "Hot Spots" Interchanges
- Interstate 710 South and/or Early Action Projects

as shown in Attachments A and B.

B. Authorize the Chief Executive Officer (CEO) to negotiate and execute all necessary agreements for approved projects

ISSUE

The Project Lists for the MRHSP are updated twice a year in order to provide the subregions with the opportunity to update their proposed plan to implement the Measure R Highway Program. The updated Project Lists include projects already approved by the Board, as well as proposed changes related to schedule, scope, funding allocation, addition or removal of projects. The Board's approval is required as the updated Project Lists are the basis for Metro to enter into agreements with each respective implementing agency.

DISCUSSION

The Measure R Expenditure Plan includes the following project categories in the Highway Subregional Program:

- Highway Operational Improvements in Arroyo Verdugo subregion
- Highway Operational Improvements in Las Virgenes/Malibu subregion
- Interstate 405, I-110, I-105, and SR-91 Ramp and Interchange Improvements (South Bay)
- State Route 138 Capacity Enhancements
- Interstate 605 Corridor “Hot Spots” Interchanges
- Interstate 710 South and/or Early Action Projects

These project categories are not fully defined in the Measure R Expenditure Plan. Definition and implementation of the project categories are progressively developed in coordination with Metro’s Highway Program staff and are based on recommendations by each respective subregion. At the October 2014 meeting, the Board approved revised Project Lists and funding allocations for Highway Operational Improvements in the Arroyo Verdugo subregion, Highway Operational Improvements in the Las Virgenes/Malibu subregion, Interstate 405, I-110, I-105, and SR-91 Ramp and Interchange Improvements (South Bay), State Route 138 Capacity Enhancements, Interstate 605 Corridor “Hot Spots” Interchanges and Interstate 710 South and/or Early Action Projects.

These updated Project Lists include the subregions’ most current recommendation to implement the project categories mentioned above. Details are shown in (Attachment A).

A nexus determination has been completed for each new project added to the list and is reflected in (Attachment B). All of the projects on the lists provide highway operational benefits and meet the highway operational improvement and ramp/interchange improvements definition approved by the Board in October 2009 as part of the adoption of Metro’s Long Range Transportation Plan.

Highway Operational Improvements in Arroyo Verdugo subregion

The proposed revised project list includes adjustments in schedules, scopes and funding for current projects and the addition of new projects recommended by Arroyo Verdugo subregion.

The subregion is recommending the revised project list, shown in (Attachment A), totaling \$60.4 million. The funding requests are as follows:

- Reprogram \$1,859,000 from FY17-18 to FY18-19 for the City of Burbank’s Magnolia Blvd/I-5 Bridge Widening (MR310.07). Due to the I-5 North Widening from SR 134 to SR 118, the project design and construction has been delayed.
- Reprogram \$1,824,000 in FY16-17 and \$1,824,000 in FY17-18 to \$3,647,000 in FY18-19 for the City of Burbank’s Olive Ave/I-5 Bridge Widening (MR310.10). Due to the I-5 North Widening from SR 134 to SR 118, the project design and construction has been delayed.

- Reprogram \$1,000,000 from FY14-15 to FY15-16 for the City of Glendale's Verdugo Boulevard Rehabilitation Project (MR310.37) due to added community outreach that is necessary before moving forward with the proposed improvements.
- Reprogram \$2,000,000 from FY14-15 to FY16-17 and \$3,000,000 from FY15-16 to FY17-18 for the City of Glendale's I-210 Soundwalls Project (MR310.25) due to multi-agency coordination, this project will be coordinated with Los Angeles County's soundwall project.
- Reprogram \$1,200,000 from FY14-15 to FY15-16 for the City of Glendale's Doran St., from Brand Blvd to Adams St., Improvements Project (MR310.41) due to coordination with an adjacent Glendale capital improvement project.
- Reprogram \$1,000,000 from FY16-17 to FY17-18 for the City of Glendale's North Brand Boulevard Rehabilitation, Freeway 134 to Mountain Street, (MR310.30) due to coordination with an adjacent Glendale capital improvement project.
- Reprogram \$585,000 from FY13-14 to FY15-16 for the City of Glendale's Verdugo Rd. Street Improvements Project, Traffic Signal Modification (MR310.43) due to coordination with an adjacent Glendale capital improvement project.
- Reprogram \$93,000 from FY13-14 to FY14-15, reprogram \$57,000 from FY13-14 to FY15-16, and program \$143,000 in FY15-16 for the City of Glendale's Frontage Rd. South of SR-134 between Brand Blvd and Geneva St. (MR310.12) due to the re-scoping of the project and adjustments in the project limits. Project title will be revised to Glendale FWY Ramps/ Space 134 Vision Plan with a total project budget of \$293,000.
- Program \$50,000 in FY14-15, \$300,000 in FY15-16 and \$58,000 in FY16-17 for the City of Glendale's Verdugo Wash, Cycle track: Feasibility Study. New project nexus and description can be found in (Attachment B).
- Program \$1,000,000 in FY15-16 for the City of Glendale's Ocean Blvd. Project – from Verdugo Rd. to N'y City Boundary. New project nexus and description can be found in (Attachment B).
- Program an additional \$200,000 in FY14-15 for the City of Glendale's, Glendale Narrows Bikeway Culvert Project (MR312.13). Total project budget has increased to \$675,000. The city has increased the project budget due to design and engineering cost increases.
- Deobligate \$350,000 in FY13-14 from the City of Glendale's Construction of Citywide Bicycle Facilities Project (MR310.24). Total project budget for Construction of Citywide Bicycle Facilities is \$300,000. Reprogram \$50,000 from FY13-14 to FY14-15 and \$150,000 from FY15-16 to FY14-15. Deobligated funds will be reprogrammed to fund a higher priority bike project for the city, the "Verdugo Wash: Cycle Track: Feasibility Study."
- Deobligate \$58,000 in FY17-18 from the City of Glendale's Verdugo Wash Bike Path Call Match (MR310.38) and reprogram \$58,000 into MR310.24 Construction of Citywide Bicycle Facilities. Project funds will be deobligated because the city was not awarded a Call for Projects grant.
- Deobligate \$1,000,000 in FY15-16 from the City of Glendale's Colorado Street Rehabilitation, Kenilworth Ave. to Central Ave., (MR310.26). Funds will be

reprogrammed into a new project, Ocean Blvd. project – from Verdugo Rd. to N'ly City Boundaries. The new project is a higher priority for the city and the improvement also includes a class II bike lane.

- Deobligate \$200,000 in FY18-19 from the City of Glendale's Widening of SR-2 FWY Ramps at Mountain Ave Project (MR310.39) to fund cost increases in the Glendale Narrows Bikeway Culvert project (MR310.24).
- Deobligate \$143,000 from the City of Glendale's Verdugo Road Signal Upgrades Project. This project has been audited, is complete, and was delivered under budget.
- Reprogram \$100,000 from FY13-14 to FY15-16 and \$100,000 from FY14-15 to FY15-16 for Los Angeles County's Soundwalls on Interstate 210 in La Crescenta-Montrose project due to the county refining the limits of the project and conducting a Noise Barrier Scope Summary Report.

The Arroyo Verdugo subregion's project list does not exceed the \$64 million forecasted to be available for the subregion over FY11-20.

Highway Operational Improvements in Las Virgenes/Malibu Subregion

The proposed updated project list includes adjustments in schedules, and funding for current projects in the Las Virgenes/Malibu Subregion. The Subregion is recommending the updated project list shown in (Attachment A), totaling approximately \$110.751 million.

Due to refined cost estimates for projects currently being developed, the city of Agoura Hills is requesting cost neutral programming changes to their three active projects.

The funding requests are as follows:

- Program an additional \$7,500,000 in FY15-16 for the City of Agoura Hills' Agoura Road Widening (MR311.05), due to the design cost increases, right of way cost increases, construction support work and increased construction bids from the engineers estimate. The total project budget has increased to \$32,000,000.
- De-obligate \$5,740,000 from the City of Agoura Hills' Palo Comado Interchange (MR311.03) due to a changed project Scope of Work and cost estimate. Total project budget has been decreased to \$7,350,000. The de-obligated funds will be reprogrammed into MR311.05.
- De-obligate \$1,760,000 from the City of Agoura Hills' Roundabout Project (MR311.04) and rename project to Agoura Road/Kanan Rd. Intersection Improvements Project due to a reduction in the project scope of work to decrease impacts to the surrounding properties. Total project budget has been decreased to \$500,000. De-obligated funds will be reprogrammed into MR311.05.

Interstate 405, I-110, I-105, and SR-91 Ramp and Interchange Improvements (South Bay)

The proposed revised project list includes adjustments in schedules, scopes and funding for current projects and the addition of new projects for the South Bay subregion.

The South Bay Cities Council of Government (SBCCOG) is recommending the revised project list, shown in (Attachment A), totaling \$257.8 million.

The funding requests are as follows:

- Program \$47,000 in FY15-16 for the City of Lawndale's Bike Lanes on Hawthorne Blvd from Rosecrans Ave to Manhattan Beach Blvd. New project nexus and description can be found in (Attachment B).
- Program \$350,000 in FY15-16 for the City of Lawndale's Citywide Mobility plan and complete streets guidance. New project nexus and description can be found in (Attachment B).
- Deobligate \$1,500,000 in FY15-16 for the City of Manhattan Beach's Aviation Blvd at Marine Ave Intersection Improvements Project (MR312.32). Funds will be reprogrammed into (MR312.33). This project will be combined with an existing adjacent project currently being managed by the City of Hawthorne.
- Program an additional \$1,500,000 in FY15-16 for the City of Hawthorn's Aviation Blvd at Marine Ave Intersection Improvements project (MR312.33). This project has been combined with an existing adjacent project previously sponsored by Manhattan Beach.

The proposed updates to the South Bay Subregion project list do not exceed the \$275 million forecasted to be available for the South Bay Subregion over FY11-21.

State Route 138 Capacity Enhancements

The proposed implementation plan for the State Route 138 Capacity Enhancements project category includes one adjustment in scope.

- Scope adjustment to City of Palmdale's SR-138 Palmdale Blvd. (SR-138) 5th to 10th St. East project limits (MR330.07) to include Avenue R to Avenue Q on Sierra Highway. The City of Palmdale is requesting a limit adjustment because Avenue R is a more logical terminus for the Sierra Highway Street Improvements project.

The implementing agencies in the North County continue to deliver the projects according to the approved plan. As detailed in (Attachment A), the total programmed funding for the 11 projects remains \$200 million.

Interstate 605 Corridor “Hot Spots” Interchanges

The proposed revised project list includes adjustments in schedules, scopes and funding for current projects, addition of new projects, and 3rd Party support funding for the Gateway Cities.

The I-605/SR-91/I-405 Technical Advisory Committee (TAC) and Corridor Cities Committee (CCC) are recommending the revised project list, shown in (Attachment A), totaling \$83.94 million.

The funding requests are as follows:

- Program \$1,000,000 in FY 2015-16 and \$2,600,000 in FY 2016-17 for City of Lakewood’s Lakewood Boulevard Regional Capacity Enhancement project. New project nexus and description can be found in (Attachment B).
- Program \$2,000,000 in FY 15-16 for I-605/SR-60 PA/ED phase. The current phase of this project in the Caltrans Development process is the PSR/PDS phase which will be complete in this fiscal year. The programming of \$2,000,000 is to allow staff to begin the procurement process for the PA/ED phase upon the completion of the PSR-PDS phase.

The proposed updates to the Interstate 605 Corridor “Hot Spots” Interchanges project list do not exceed the \$164.8 million forecasted to be available for the Interstate 605 Corridor “Hot Spots” Interchanges over FY11-20.

Interstate 710 South and/or Early Action Projects

The proposed update includes adjustments in schedules, scopes and funding for current and new projects, and 3rd Party support funding for the Gateway Cities.

The I-710 South Technical Advisory Committee (TAC) and I-710 South Project Committee is recommending the updated project list, shown in (Attachment A), totaling approximately \$116.840 million.

The funding requests are as follows:

- Program additional funds for the Staff Support Services for the Draft I-710 South EIR/EIS for the Gateway Cities, funding amount varies by City:
 - Program \$59,400 for City of Long Beach for FY 2014-15
 - Program \$15,000 for City of Huntington Park for FY 2014-15
 - Program \$73,000 for Los Angeles County for FY 2014-15
 - Program \$75,000 for City of Bell for FY 2014-15
 - Program \$84,249 for City of Bell Gardens for FY 2014-15
 - Program \$110,000 for City of Downey for FY 2014-15
 - Program \$80,000 for the City of Paramount for FY 2014-15
 - Program \$100,000 for the City of South Gate for FY 2014-15

- Program \$35,000 for the City of Maywood for FY 2014-15
- Program \$100,000 for the Gateway Cities COG for FY 2016-17

The funds are requested for the cost of review of Draft I-710 South EIR/EIS documents, including meetings with the I-710 Project Team, the I-710 TAC, I-710 Project Committee and other related I-710 meetings. The expenses for the review of the I-710 Recirculated Draft EIR/EIS and meeting attendance related to the I-710 South Project are effective July 1st of 2013.

- Program an additional \$5,000,000 for the I-710 Corridor Project EIR/EIS for Fiscal Year 2016-17. Due to the significant changes on the project alternatives, the contract scope requires a modification to include the various new elements on the alternatives. The programming of \$5,000,000 is to allow staff to begin the procurement process for the contract modification. Staff will return to the board for the agreed upon contract modification amount.
- Program an additional \$6,000,000 in Fiscal Year 2016-17 for additional utility and structure studies scope required for all three of the I-710 Utility Studies (North, Central, South). Due to changes on the I-710 South EIR/EIS project, the three utility studies will also require a scope modification to reflect all the changes in the project alternatives. The programming of \$6,000,000 is to allow staff to begin the procurement process for the contract modification. Staff will return to the board for the agreed upon contract modification amount.
- Program an additional \$1,900,000 in Fiscal Year 2015-16 for Caltrans Enhanced Independent Quality Assurance (IQA) review of the I-710 Corridor Project EIR/EIS. Due to changes on the I-710 South EIR/EIS project, the level of effort to support the review of the environmental document is beyond the regular IQA done for other projects.
- Per the October 2014 Board motion related to the I-710 South Soundwall Design Packages for Early Action Projects, an additional \$2,200,000 is being added for Fiscal Year 2016-17 to capture the actual costs of the design packages in the project list.
- Deobligate \$500,000 in Fiscal Year 2014-15 for the I-710 Hazardous Waste Report. Funds will be reprogrammed to the I-710 Corridor Project EIR/EIS scope of work.
- Deobligate \$500,000 in Fiscal Year 2014-15 for the I-710 Stormwater Data Report. Funds will be reprogrammed to the I-710 Corridor Project EIR/EIS scope of work.
- Reprogram Caltrans I-710 Early Action Soundwalls Noise Study down from \$140,000 to \$100,000 in Fiscal Year 2014-15 due to reduction in scope.
- Deobligate \$200,000 in Fiscal Year 2014-15 for the I-710 Early Action Soundwalls PS&E Independent Quality Assurance (IQA) Phase. The IQA for PS&E is being provided at no cost to Metro.
- Deobligate \$60,000 in Fiscal Year 2014-15 for the I-710/I-5 PSR/PDS Independent Quality Assurance. Funds will be reprogrammed to the I-710 Corridor Project EIR/EIS scope of work.
- Deobligate \$1,200,000 in Fiscal Year 2020-21 for Alameda Corridor Transportation Authority's (ACTA) SR-47 Expressway. ACTA is no longer pursuing this project.

The proposed updates to the I-710 South and/or Early Action project list does exceed the \$101.9 million forecasted to be available for the I-710 South and/or Early Action over FY11-20. Due to project delays, staff will be monitoring existing cash flow to stay within the first decade programming allocation. Staff will return to the Board with periodic updates on the status of cash flow availability. Additionally, upon depletion of seventy five percent of the programming funds, staff will analyze the possibility of delaying projects until the second decade funds become available.

DETERMINATION OF SAFETY IMPACT

The recertification of the approved project lists and funding allocations will have no adverse impact on the safety of Metro's patrons and employees.

FINANCIAL IMPACT

Funding for the highway projects is from the 20% Measure R Highway Capital Funds earmarked for all subregions. Funds are available for Arroyo Verdugo (Project No. 460310), Las Virgenes/Malibu (Project No. 460311), and South Bay (Project No. 460312) subregions in the FY 15 budget. These three programs are all under Cost Center 0442 in Account 54001 (Subsidies to Others). Since this is a multi-year agreement, the cost center manager and the Executive Director, Engineering and Construction Program will be responsible for budgeting the costs in future years. Moreover, programmed funds are based on estimated revenues. Adjustments in programmed funds, as necessary for future years, will be made in the next board update.

Funding for Metro's portion of the SR-138 Project Approval and Environmental Document (September 2012 Board action) is from the Project No. 460330, Cost Center 4730 in Account 50316. The remaining funds are distributed from the 20% Measure R Highway Capital Funds via funding agreements to Caltrans, and the cities of Palmdale and Lancaster under Cost Center 0442 in Account 54001 (Subsidies to Others). Moreover, programmed funds are based on estimated revenues. Adjustments in programmed funds, as necessary for future years, will be made in the next board update.

Funding for the additional projects listed in the I-605/SR-91/I-405 Corridor "Hot Spots" project list is included in the \$7,630,887 FY15 budget. Since this is a multi-year agreement, the cost center manager and the Executive Director Engineering and Construction Program will be responsible for budgeting the costs in future years. Adjustments in programmed funds, as necessary for future years, will be made in the next board update.

Funding for the projects listed in the I-710 Early Action Project list is included in the \$8,072,000 FY15 budget. Since this is a multi-year agreement, the cost center manager and the Executive Director Engineering and Construction Program will be

responsible for budgeting the costs in future years. Adjustments in programmed funds, as necessary for future years, will be made in the next board update.

ALTERNATIVES CONSIDERED

The Board could decide to not approve the revised approved project lists and funding allocations. However, this option is not recommended as it would be inconsistent with Board direction given at the time of LRTP adoption and delay project schedules.

NEXT STEPS

We will continue working with the subregions to deliver their projects. As the work progresses, we will provide updates to the Board on a periodic basis.

ATTACHMENTS

- A. Measure R Highway Subregional Program Project List
- B. Recommended Project Updates/Additions and Highway Operations Nexus for New Projects

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ATTACHMENT A

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.	EXECUTED FA's	HWY ID/EA or ID	Project/Location	Total Allocation (10 yr)	Prior Years	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Arroyo Verdugo Operational Improvements (37 projects - 2 New)						60,344	26,820	8,808	5,135	2,158	7,409	9,014	0
10 Year Forecasted Funds In Long Range Plan (cumulative)						64,000							
	Burbank	MR310.06	X	11058	San Fernando Blvd. / Burbank Blvd. Intersection	2,325	2,325						
	Burbank	MR310.08	X	11060	I-5 Corridor Arterial Signal Improvements	2,600	2,600						
	Burbank	MR310.09	X	11061	SR-134 Corridor Arterial Signal Improvements	2,975	1,375	1,600					
C	Burbank	MR310.07		11059	Widen Magnolia Blvd / I-5 Bridge for center-turn lane, standard lanes, shoulders	3,967			250			3,717	
	Burbank	MR310.11	X	11063	Olive Ave. / Verdugo Ave. Intersection Improvement	1,600	400	1,200					
C	Burbank	MR310.10		11062	Widen Olive Ave / I-5 Bridge for center-turn lane, standard width lanes, shoulders	3,897			250			3,647	
	Burbank	MR310.23		13007	Chandler Bikeway Extension (Call for Projects Local Match)	600						600	
TOTAL BURBANK						17,964	6,700	2,800	500	0	0	7,964	0
C	Glendale	MR310.12		11065	Glendale FWY Ramps/Space 134 "Vision Plan"	293		93	200				
	Glendale	MR310.22	X	11071	Glendale Narrows Riverwalk Bridge	600	600						
C	Glendale	MR310.24		11067	Construction of Bicycle Facilities	300		300					
	Glendale	MR310.01	X	11069	Fairmont Ave. Grade Separation at San Fernando Rd. (Construction) (Completed)	2,700	2,700						
	Glendale	MR310.04	X	11070	San Fernando/Grandview At-Grade Rail Crossing Imp. (Completed)	1,850	1,850						
C	Glendale	MR310.13	X	11066	Glendale Narrows Bikeway Culvert	675	675						
	Glendale	MR310.16	X	11072	SR-134 / Glendale Ave. Interchange Modification	1,400	200	1,200					
C	Glendale	MR310.14	X	11074	Verdugo Road Signal Upgrades (Completed)	557	557						
	Glendale	MR310.19	X	11075	Traffic Signal Sync Brand / Colorado-San Fernando / Glendale-Verdugo (Completed)	1,250	1,250						
	Glendale	MR310.20	X	11076	Verdugo Rd / Honolulu Ave / Verdugo Blvd Intersection Modification (completed)	400	400						
	Glendale	MR310.05	X	11077	Central Ave Improvements / Broadway to SR-134 EB Offramp (completed)	3,250	3,250						
	Glendale	MR310.18	X	12006	Sonora Avenue At-Grade Rail Crossing Safety Upgrade (completed)	2,700	2,700						
	Glendale	MR310.21	X	11079	Colorado St. Widening between Brand Blvd. and east of Brand Blvd. (completed)	350	350						
C	Glendale	MR310.37		13020	Verdugo Boulevard Rehabilitation (Verdugo Road to E'ly City Boundary)	1,000			1,000				
	Glendale	MR310.36		13019	Signalizations of SR-2 Fwy Ramps @ Holly	600				100	500		
C	Glendale	MR310.39		13022	Widening of SR-2 Fwy Ramps @ Mountain	1,200					150	1,050	
C	Glendale	MR310.25		11109	210 Soundwalls Project	5,000				2,000	3,000		
D	Glendale	MR310.26		13003	Colorado Street Rehabilitation (Kenilworth Ave. to Central Ave.)	0			0				
	Glendale	MR310.35	X	13018	Signal Installations at Various Locations	1,500		750	750				
C	Glendale	MR310.30		13013	North Brand Boulevard Rehabilitation (Freeway 134 to Mountain Street)	1,000					1,000		
	Glendale	MR310.32		13015	Regional Arterial Performance Measures	100					100		
	Glendale	MR310.34		13017	Regional Bike Stations (Call Match)	315					315		
D	Glendale	MR310.38		13021	Verdugo Wash Bike Path (Call Match)	0					0		
	Glendale	MR310.40	X	13102	Pacific Ave: Colorado to Glenoaks & Burchett St: Pacific To Central Street Improvements	3,315	100	3,215					
C	Glendale	MR310.41		13103	Doran St. (From Brand Blvd. To Adams St.)	1,200			1,200				
	Glendale	MR310.42	X	13104	Arden Ave. (From Highland Ave. to Kenilworth St.)	900	900						
C	Glendale	MR310.43		13105	Verdugo Rd. Street Improvements Project (Traffic Signal Modification)	585			585				
A	Glendale	TBD			Verdugo Wash: Cycle Track: Feasibility Study	408		50	300	58			
A	Glendale	TBS			Ocean Blvd. Project -- from Verdugo Rd. to N'ly City Boundaries	1,000			1,000				
TOTAL GLENDALE						34,448	15,532	5,608	4,035	2,158	5,065	1,050	0
	La Canada Flintridge	MR310.03	X	11064	Soundwalls on Interstate 210 (Completed)	4,588	4,588						
TOTAL LA CANADA FLINTRIDGE						4,588	4,588	0	0	0	0	0	0
C	LA County	MR310.44		13106	Soudwalls on Interstate 210 in LA Crescenta-Montrose	3,344		400	600		2,344		
TOTAL LA COUNTY						3,344	0	400	600	0	2,344	0	0
TOTAL ARROYO VERDUGO						60,344	26,820	8,808	5,135	2,158	7,409	9,014	0
TOTAL ARROYO VERDUGO (Cumulative)						First 5 Year Allocation		Second 5 Year Allocation					

ATTACHMENT A

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.	EXECUTED FA's	HWY ID/EA or ID	Project/Location	Total Allocation (10 yr)	Prior Years	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Las Virgenes/Malibu Operational Improvements (20 projects with 23 FA's)						110,751	64,990	15,661	27,450	2,650	0		
10 Year Forecasted Funds In Long Range Plan (cumulative)						110,751							
	Westlake Village	MR311.01	X	11084	Lindero Canyon Road Interchange, Phase 3A Design	421.96	421.96						
	Westlake Village	MR311.02	X	11084	Highway 101 Park and Ride Lot (Design)	260.79	260.79						
	Westlake Village	MR311.10	X	11083	Rte 101/ Lindero Cyn. Rd. Interchange Improvements, Phase 3B,4B Construction	3,591.00	3,377.66	213.34					
	Westlake Village	MR311.12	N/A	11086	Arterial Capacity Enhancement and Emergency Relief Project	0	0						
	Westlake Village	MR311.18	X	11083	Rte 101/ Lindero Cyn. Rd. Interchange Improvements, Phase 3A Construction	9,019.00	8,075.89	943.11					
	Westlake Village	MR311.19	X	11100	Highway 101 Park and Ride Lot (Construction)	4,558.25	3,963.21	595.04					
TOTAL WESTLAKE VILLAGE						17,851.00	16,099.51	1,751.49	0	0	0	0	0
C	Agoura Hills	MR311.03	X	11087	Palo Comando Interchange	7,350	2,590	3,010	1,750				
C	Agoura Hills	MR311.04	X	11088	Aguora Road/Kanan Road Intersection Improvements	500	250	250					
C	Agoura Hills	MR311.05	X	11089	Agoura Road Widening	32,000	15,250	5,000	11,750				
	Agoura Hills	MR311.14		11092	Kanan Road Overpass Expansion -- PSR, PR, PS&E	750	0	750					
TOTAL AGOURA HILLS						40,600	18,090	9,010	13,500	0	0	0	0
	Calabasas	MR311.06	X	11094	Lost Hills Overpass and Interchange	26,000	21,000		5,000				
	Calabasas	MR311.07	X	11095	Mulholland Highway Scenic Corridor Completion	3,050	2,250		800				
	Calabasas	MR311.08	X	11098	Las Virgenes Scenic Corridor Widening	2,850	2,350		500				
	Calabasas	MR311.09	X	11096	Parkway Calabasas/US 101 SB Offramp	2,700	2,500		200				
	Calabasas	MR311.20	X	11101	Off-Ramp for US 101 at Las Virgenes Road	500	500						
	Calabasas	MR311.21	N/A	11102	Mulholland Highway Hillside Removal	0	0						
	Calabasas	MR311.26	N/A	12005	Mureau Road Overpass	0	0						
	Calabasas	MR311.33	X		Park and Ride Lot on or about 23577 Calabasas oad (near Route 101)	3,200	0	3,200					
TOTAL CALABASAS						38,300	28,600	3,200	6,500	0	0	0	0
	Malibu	MR311.23	N/A	11104	Malibu Canyon Road Widening	0	0						
	Malibu	MR311.24		11105	Malibu/Civic Center Way Widening	3,350	0	500	2,100	750			
	Malibu	MR311.25	N/A	11106	Malibu/Pacific Coast Highway Bike Lane	0	0						
	Malibu	MR311.26		12189	PCH-Raised Median and Channelization from Webb Way to Corral Canyon Road	3,950	50	500	2,500	900			
	Malibu	MR311.27		12190	PCH Intersections Improvements	3,300	0	150	2,150	1,000			
	Malibu	MR311.28	X	12191	Kanan Dume Road Arrestor Bed Improvements and Intersection with PCH (Constuction)	900	800	100					
	Malibu	MR311.29		12192	PCH Regional Traffic Message System (CMS)	300	300						
	Malibu	MR311.30	X	13095	PCH Roadway and Bike Route Improvements fr. Busch Dr. to Western City Limits	500	500						
	Malibu	MR311.31		13096	PCH Roadway and Bike Route Impovements fr Busch Dr. to Eastern City Limits	750	0	50	700				
	Malibu	MR311.32	X	13097	PCH and Big Rock Dr. Intersection and at La Costa Area Pedestrian Improvements	950	550	400					
TOTAL MALIBU						14,000	2,200	1,700	7,450	2,650	0	0	0
TOTAL LAS VIRGENES MALIBU						110,751	64,990	15,661	27,450	2,650	0	0	0
TOTAL LAS VIRGENES MALIBU (Cumulative)						First 5 Year Allocation			Second 5 Year Allocation				

ATTACHMENT A

SR-138 Capacity Enhancements (11 Projects)													
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.	EXECUTED FA's	HWY ID/EA or ID	Project/Location	Total Allocation	Prior Years	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
SR-138 Capacity Enhancements						200,000	13,400	29,300	30,200	36,400	23,100	22,400	45,200
10 Year Forecasted Funds In Long Range Plan (cumulative)						200,000							
	Metro	MR330.01	X	12001	SR-138 (AvenueD) PA/ED (I-5 to SR-14)	25,000	8,000	5,000	5,000	4,000	3,000		
TOTAL METRO						25,000	8,000	5,000	5,000	4,000	3,000	0	0
	Lancaster	MR330.02	X	12175	SR-138 (SR-14) Avenue K Interchange	15,000	900	4,100		10,000			
	Lancaster	MR330.03	X	12176	SR-138 (SR-14) Avenue G Interchange	15,000	200	600	2,300				11,900
	Lancaster	MR330.04	X	12177	SR-138 (SR-14) Avenue J Interchange	10,000		300	2,000	1,000			6,700
	Lancaster	MR330.05		12178	SR-138 (SR-14) Avenue L Interchange	5,000			200	100	900		3,800
	Lancaster	MR330.06	X	12179	SR-138 (SR-14) Avenue M Interchange	20,000	300	800	2,800	500		15,600	
TOTAL LANCASTER						65,000	1,400	5,800	7,300	11,600	900	15,600	22,400
C	Palmdale	MR330.07	X	12180	SR-138 Palmdale Blvd. (SR-138) 5th to 10th St. East	25,000	1,000	13,500	10,500				
	Palmdale	MR330.08	X	12181	SR-138 Palmdale Blvd. SB 14 Ramps	25,000	1,000	600	2,500	2,500		6,800	11,600
	Palmdale	MR330.09	X	12182	SR-138 10th St. West Interchange	15,000	900	1,500	1,500	7,000	4,100		
	Palmdale	MR330.10	X	12183	SR-138 (SR-14) Widening Rancho Vista Blvd. to Palmdale Blvd	25,000	1,100	2,500	3,000	8,800	9,600		
	Palmdale	MR330.11	X	12184	SR-138 Avenue N Overcrossing	20,000		400	400	2,500	5,500		11,200
TOTAL PALMDALE						110,000	4,000	18,500	17,900	20,800	19,200	6,800	22,800
TOTAL SR-138 CAPACITY ENHANCEMENTS						200,000	13,400	29,300	30,200	36,400	23,100	22,400	45,200
TOTAL SR-138 CAPACITY ENHANCEMENT(Cumulative)							First 5 Year Allocation		Second 5 Year Allocation				

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(C)hange (A)dd (D)elete	Lead Agency	Funding Agreement (FA) No.	Executed FA's	HWY ID/EA or ID	Project/Location	Total Allocation	Prior Years	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021
	Metro	MR312.30		11121	Feasibility Study for I-405 from I-110 to I-105 and I-105 from I-405 to I-110	0	0							
	Metro	PS4010-2540		TBD	South Bay Arterial Baseline Conditions Analysis	250		250						
TOTAL METRO						250	0	0	0	0	0	0	0	0
	Redondo Beach	MR312.06	X	11116/F46	Pacific Coast Highway improvements from Anita Street to Palos Verdes Blvd	1,400	1,400							
	Redondo Beach	MR312.07	X	11136/F47	Pacific Coast Highway at Torrance Blvd intersection improvements (Northbound right turn lane)	586	586							
	Redondo Beach	MR312.08	X	11137/F48	Pacific Coast Highway at Palos Verdes Blvd intersection improvements (WB right turn lane)	320	320							
	Redondo Beach	MR312.13	X	11130/N17	Aviation Blvd at Artesia Blvd intersection improvements (COMPLETED) (Eastbound right turn lane)	22	22							
	Redondo Beach	MR312.14	X	11153/N19	Inglewood Ave at Manhattan Beach Blvd intersection improvements (Eastbound right turn lane) (COMPLETED)	30	30							
	Redondo Beach	MR312.20	X	11128/N58	Aviation Blvd at Artesia Blvd intersection improvements (Northbound right turn lane)	847	847							
	Redondo Beach	MR312.42		11150/N18	Inglewood Ave at Manhattan Beach Blvd intersection improvements (Southbound right turn lane)	5,175	125	185	4,865					
TOTAL REDONDO BEACH						8,380	3,330	185	4,865	0	0	0	0	0
	Torrance	MR312.09		11115/F49	Pacific Coast Highway Improvements from Palos Verdes Blvd to Crenshaw Blvd	0								
	Torrance	MR312.10	X	11134/F51	Pacific Coast Highway at Hawthorne Blvd intersection improvements	19,600	1,600	18,000						
	Torrance	MR312.18	X	11145/N47	Maple Ave at Sepulveda Blvd Intersection Improvements (COMPLETED) (Southbound right turn lane)	600	600							
	Torrance	MR312.23	X	11143/P4	Torrance Transit Park and Ride Regional Terminal Project 465 Crenshaw Blvd	18,100	18,100							
	Torrance	MR312.26	X	11111/F58	I-405 at 182nd St. / Crenshaw Blvd Operational Improvements	15,300	300	5,000		5,000	5,000			
	Torrance	MR312.40	X	11144/F50	Pacific Coast Highway at Vista Montana/Anza Ave Intersection Improvements	2,900	2,900							
	Torrance	MR312.58	X	13243	Pacific Coast Highway from Calle Mayor to Janet Lane Safety Improvements	852	852							
	Torrance	MR312.59	X	13244	Pacific Coast Highway at Madison Ave Signal upgrades to provide left-turn phasing	500		100	400					
	Torrance	MR312.60		13245	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					
	Torrance	TBD		TBD	Western Ave at Sepulveda Blvd Intersection Improvements (Call Match)	3,500								3,500
	Torrance	TBD		TBD	Hawthorne Blvd Corridor Intersection Improvements (Lomita Blvd, Emerald, Spencer, and 182nd St) (Call Match)	740								740
TOTAL TORRANCE						65,392	24,352	24,900	1,900	5,000	5,000	0	0	4,240
TOTAL SOUTH BAY						257,819	85,607	44,407	25,639	23,110	35,226	22,383	12,537	8,660
TOTAL SOUTH BAY (Cumulative)						First 5 Year Allocation		Second 5 Year Allocation						

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(C)hange (A)dd (D)elete	Lead Agency	Funding Agreement (FA) No.	Executed FA's	HWY ID/EA or ID	Project/Location	Total Allocation	Prior Years	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021
	Hawthorne	MR312.03	X	11118/F11	Rosecrans Ave Widening from I-405 SB off ramp to Isis Ave (COMPLETED)	2,100	2,100							
C	Hawthorne	MR312.33	X	11127/N14	Aviation Blvd at Marine Ave Intersection Improvements (Westbound right turn lane)	3,600	600		3,000					
	Hawthorne	MR312.44	X	11152/N26	Hawthorne Blvd Improvements from El Segundo Blvd to Rosecrans Ave	7,551	4,171	3,380						
	Hawthorne	MR312.47		13029	Signal Improvements on Prairie Ave from 118th St. to Marine Ave.	1,237					618	619		
TOTAL HAWTHORNE						14,488	6,871	3,380	3,000	0	618	619	0	0
	Hermosa Beach	MR312.05	X	11139/F44	PCH (SR-1/PCH) Improvements between Anita St. and Artesia Boulevard	304	304							
	Hermosa Beach	MR312.38		11139/F44	Pacific Coast Highway at Aviation Blvd Intersection Improvements (Southbound left turn lanes)	872			872					
	Hermosa Beach	TBD		TBD	PCH/Aviation Mobility Improvements Project (Call Match)	8,600					8,600			
TOTAL HERMOSA BEACH						9,776	304	0	872	0	8,600	0	0	0
	Inglewood	MR312.02		11142/F2	I-405 Off Ramp Improvements at Manchester Blvd.	0								
	Inglewood	MR312.12	X	11122/N6	Intelligent Transportation System (ITS): City of Inglewood Citywide ITS Master Plan	3,500	3,500							
	Inglewood	MR312.50		13032	ITS: Phase V - Communication Gap Closure on Various Locations, ITS Upgrade and Arterial Detection	384					192	192		
TOTAL INGLEWOOD						3,884	3,500	0	0	0	192	192	0	0
	LA City	MR312.56	X	13247	Del Amo Blvd Improvements from Western Ave to Vermont Ave Project Oversight	100	100							
	LA City	MR312.51		13033	Improve Anaheim St. from Farragut Ave. to Dominguez Channel	2,298				310	280	1,708		
TOTAL LA CITY						2,398	100	0	0	310	280	1,708	0	0
	LA County	MR312.16	X	11123/N32	Del Amo Blvd improvements from Western Ave to Vermont Ave	26,820	1,900	0	5,000	5,000	5,000	5,000	4,920	
	LA County	MR312.52		13034	ITS: Improvements on South Bay Arterials	1,021					401	620		
TOTAL LA COUNTY						27,841	1,900	0	5,000	5,000	5,401	5,620	4,920	0
	Lawndale	MR312.15	X	11132/N22	Inglewood Ave Widening from 156th Street to I-405 Southbound on-ramp	500	500							
	Lawndale	MR312.36	X	11135/N25	ITS: City of Lawndale Citywide Improvements	1,500	150	1,350						
	Lawndale	TBD		TBD	Redondo Beach Blvd Mobility Improvements from Prairie to Artesia (Call Match)	1,600					800		800	
A	Lawndale	TBD		TBD	Bike Lanes on Hawthorne Blvd. frm Rosecrans Ave to Manchester Beach Blvd	47			12		35			
A	Lawndale	TBD		TBD	Citywide Mobility	350			350					
TOTAL LAWDALE						3,997	650	1,350	362	0	835	0	800	0
	Lomita	MR312.43	X	11151/F53	Intersection Improvements at Western/Palos Verdes Dr and PCH/Walnut	900	90	810						
TOTAL LOMITA						900	90	810	0	0	0	0	0	0
	Manhattan Beach	MR312.04	X	11119/F42	Sepulveda Blvd at Marine Ave Intersection Improvements (West Bound left turn lanes)	365	235	130						
	Manhattan Beach	MR312.28	X	11117/F41	Seismic retrofit of widened Bridge 53-62 from Sepulveda Blvd from 33rd Street to south of Rosecrans Ave	9,100	4,550	4,550						
D	Manhattan Beach	MR312.32		11126/N13	Aviation Blvd at Marine Ave Intersection Improvements (Southbound left turn lanes)	0			0					
	Manhattan Beach	MR312.34		11129/N57	Aviation Blvd at Artesia Blvd Intersection Improvements (Southbound right turn lane)	1,500			1,500					
	Manhattan Beach	MR312.35		11133/F43	Sepulveda Blvd at Manhattan Beach Blvd Intersection Improvements (NB, WB, EB left turn lanes and SB right turn lane)	980			980					
TOTAL MANHATTAN BEACH						11,945	4,785	4,680	2,480	0	0	0	0	0

ATTACHMENT A

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

Measure R Highway Operational Improvements Project List

(Programmed Dollars in Thousands)

Proposed Project List 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.	FA Executed	HWY ID/EA or ID	Project/Location	Total Allocation	Prior Years	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021
INTERSTATE 605/STATE ROUTE 91/INTERSTATE 405 CORRIDOR "HOT SPOTS"						83,940	21,804	37,970	14,426	3,430	0	0	0	3,710
10 Year Forecasted Funds In Long Range Plan (Cumulative)						164,800								
	GCCOG	MOU.306.03	x	N/A	GCCOG Engineering Support Services	300	100	100	100					
	GCCOG	TBD		TBD	Gateway Cities Third Party Support	100		100						
TOTAL GCCOG						400	100	200	100					
	Metro	PS4720-3334		N/A	Program/Project Management Support of Measure R Funds	200		100	100					
	Metro	PS4720-3252		13100	Santa Fe Springs Whittier Intersection Improvements	1,740	348	1,392						
	Metro	PS4720-3252		13100	Painter Ave - Whittier Intersection Improvements	1,960	392	1,568						
	Metro	PS4720-3252		13100	Colima Ave - Whittier Intersection Improvements	1,810	380	1,430						
	Metro	PS4720-3250		13099	Lakewood - Alondra Intersection Improvements	970	194	776						
	Metro	PS4720-3250		13099	Lakewood - Spring Intersction Improvements	930	186	744						
	Metro	PS4720-3250		13099	Bellflower - Spring Intersection Improvements	730	146	584						
	Metro	PS4720-3251		13098	Valley View - Rosecrans Intersection Improvements	350	70	280						
	Metro	PS4720-3251		13098	Valley View - Alondra Intersection Improvements	1,500	100	1,400						
	Metro	PS4720-3251		13098	Carmenita - South Intersection Improvements	470	94	376						
	Metro	PS4720-3251		13098	Bloomfield - Artesia Intersection Improvements	1,680	100	1,580						
	Metro	PS4603-2582		TBD	Professional Services for I-605 Feasibility Study (Completed)	5,652	5,652							
	Metro	PS4603-2582		11027	Professional Services for PSR/PDS: I-5/I-605 and I-605/SR-91	3,121	3,121							
	Metro	PS4720-3235		13080	Professional Services for 605/60 PSR/PDS	3,040		3,040						
A	Metro	TBD		TBD	Professional Services for 605/60 PA/ED	2,000			2,000					
	Metro	PS4720-3004		12157	Professional Services for the Gateway Cities Strategic Transportation Plan	8,248	6,000	2,248						
	Metro	TBD		TBD	Professional Services for the I-605/I-5 PA/ED	1,500		1,500						
	Metro	TBD		TBD	Professional Services for the I-605/I-91 PA/ED	1,000		1,000						
	Metro	TBD		TBD	Professional Services for 710/91 PSR/PDS	500		500						
	Metro	MR315.28		N/A	Third Party Support for the I-605 Corridor "Hot Spots" Interchanges Program Development (Gateway Cities, SCE, LA County)	300		200	100					
TOTAL METRO						37,701	16,783	18,718	2,200	0	0	0	0	0
	Caltrans	TBD		N/A	Third Party Support for the I-605 Corridor "Hot Spots" Interchanges Program Development, SR60/I-605 PSR-PDS	260		260						
	Caltrans	TBD		N/A	Third Party Support for the I-605 Corridor "Hot Spots" Interchanges Program Development, I-605/I-5 PA/ED	150		150						
	Caltrans	TBD		N/A	Third Party Support for the I-605 Corridor "Hot Spots" Interchanges Program Development, I-605/SR-91 PA/ED	100		100						
	Caltrans	TBD		N/A	Third Party Support for the I-605 Corridor "Hot Spots" Interchanges Program Development, I-605 Intersection Improvements	60		60						
	Caltrans	TBD		N/A	Third Party Support for the I-605 Corridor "Hot Spots" Interchanges Program Development, I-710/SR-91 PSR-PDS	100		100						
TOTAL CALTRANS						670		670	0	0	0	0	0	0

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(C)hange (A)dd (D)elete	Lead Agency	Funding Agreement (FA) No.	FA Executed	HWY ID/EA or ID	Project/Location	Total Allocation	Prior Years	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021
	LA County	MR315.07	X	TBD	Painter - Mulberry Intersection Improvements	2,410	110	475	175	1,650				
	LA County	MR315.11	X	TBD	Valley View - Imperial Intersection Improvements	1,640	100	375	1,165					
	LA County	MR315.15	X	TBD	Norwalk-Whittier Intersection Improvements	2,830	150	600	300	1,780				
	LA County	MR315.23		TBD	Carmenita - Telegraph Intersection Improvements	800	75	250	475					
	LA County	MR315.22	X	TBD	Norwalk-Washington Intersection Improvements	550	50	200	300					
	LA County	TBD		TBD	South Whittier Bikeway Access Improvements (Call Match)	800								800
	LA County	TBD		TBD	Whittier Blvd - Indiana St to Paramount Blvd (Call Match)	700								700
TOTAL LA COUNTY						9,730	485	1,900	2,415	3,430	0	0	0	1,500
	Downey	MR315.02	X	TBD	Lakewood - Telegraph Intersection Improvements	2,120	2,120							
	Downey	MR315.14		TBD	Lakewood - Imperial Intersection Improvements	2,760		2,760						
	Downey	MR315.27		TBD	Lakewood - Florence Intersection Improvements	1,310		1,310						
	Downey	TBD		TBD	Bellflower - Imperial Highway Intersection Improvements	1,900	100	1,800						
TOTAL DOWNEY						8,090	2,220	5,870	0	0	0	0	0	0
A	Lakewood	TBD		TBD	Lakewood Blvd Regional Capacity Enhancement	3,600		1,000	2,600					
	Lakewood	MR315.04	X	TBD	Lakewood -Del Amo Intersection Improvements	3,320	1,000	2,320						
TOTAL LAKEWOOD						5,920	1,000	2,320	2,600	0	0	0	0	0
	Long Beach	TBD		TBD	2015 CFP - Artesia Complete Blvd (Call Match)	900								900
	Long Beach	TBD		TBD	2015 CFP - Atherton Bridge & Campus Connection (Call Match)	800								800
	Long Beach	TBD		TBD	Park or Ride (Call Match)	150								150
TOTAL LONG BEACH						1,850								1,850
	Norwalk	MR315.06		TBD	Studebaker - Rosecrans Intersection Improvements	1,670		1,670						
	Norwalk	MR31.10	X	TBD	Bloomfield - Imperial Intersection Improvements	920	184	736						
	Norwalk	MR315.17	X	TBD	Pioneer - Imperial Intersection Improvements	1,509	154	154	1,201					
	Norwalk	MR315.26	X	TBD	Studebaker - Alondra Intersection Improvements	480	50	50	380					
TOTAL NORWALK						4,579	388	2,610	1,581	0	0	0	0	0
	Pico Rivera	MR315.05	X	TBD	Rosemead - Beverly Intersection Improvements	4,040	400	2,600	1,040					
	Pico Rivera	MR315.09	X	TBD	Rosemead - Whittier Intersection Improvements	600	120	480						
	Pico Rivera	MR315.21	X	TBD	Rosemead - Washington Intersection Improvements	40	8	32						
	Pico Rivera	MR315.19	X	TBD	Rosemead - Slauson Intersection Improvements	1,770	300	1,470						
TOTAL PICO RIVERA						6,450	828	4,582	1,040	0	0	0	0	0
	Bellflower	TBD		TBD	Bellflower Blvd- Artesia Blvd Intersection Improvement Project	8,190		1,100	7,090					
TOTAL BELLFLOWER						8,190		1,100	7,090	0	0	0	0	0
	Artesia	TBD		TBD	2015 CFP- Norwalk Blvd Bicycle and Pedestrian Improvement Project (Call Match)	360								360
TOTAL ARTESIA						360		0	0	0	0	0	0	360
TOTAL I-605/SR-91/I-405 Corridors "Hot Spots" Projects						83,940	21,804	37,970	14,426	3,430	0	0	0	3,710
TOTAL I-605/SR-91/I-405 Corridors "Hot Spots" (Cumulative)						First 5-Year Allocation		Second 5-Year Allocation						

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I-710 South and/or Early Action Project List

Measure R Highway Operational Improvements Project List

(Programmed Dollars in Thousands)

Proposed Project List and Ten-Year Program (Fiscal Years subject to MTA priority settings & budget processes)

(C)hange (A)dd (D)elete	Lead Agency	Funding Agreement (FA) No.	FA Executed	HWY ID/EA or ID	Project/Location	Total Allocation	Prior Years	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021
INTERSTATE 710 SOUTH EARLY ACTION PROJECT						116,840	39,058	29,445	30,672	19,050	0	0	0	600
10 Year Forecasted Funds in Long Range Plan (Cumulative)						101,900								
C	GCCOG	MOU.306.03	X	131117	GCCOG Engineering Support Services	1,100	800	100	100	100				
D	GCCOG	MR306.34		TBD	Third Party Support Gateway Cities	200		100	100					
TOTAL GCCOG						1,100	800	200	200	100				
	Metro	PS4720-3334		13118	Program/Project Management Support of Measure R Funds	200		100	100					
	Metro	PS-4010-2540-02-17		13039	I-710/I-5 Interchange Project Development	600	300	300						
C	Metro	various		13065, 13067, 13068	Professional Services contracts for I-710 Utility Studies (North, Central, South)	22,237	11,549	2,948	1,740	6,000				
C	Metro	PS4340-1939		11028	Professional Services contract for I-710 Corridor Project EIR/EIS	23,750	11,421	4,021	3,308	5,000				
C	Metro	PS4710-2744		13070	Professional Services contract for I-710 Soundwall Project Development	10,878	3,110	3,314	2,254	2,200				
	Metro	MOU.Calstart 2010	X	13119	Professional Services contract for development of zero emission technology report	150	150							
D	Metro	TBD		TBD	Professional Services contract for I-710 Hazardous Waste Report	500		500						
D	Metro	TBD		TBD	Professional Services contract for I-710 Stormwater Data Report	500		500						
D	Metro	MR306.26		13121	Third Party Support Services for I-710 Corridor Project (GC, LA County)	200		100	100					
TOTAL METRO						57,815	26,529	11,784	7,502	13,200				
	Metro	USACE	X	13120	Third Party Support Services for I-710 Corridor Project (US Army Corp of Eng)	100		100						
TOTAL USACE						100		100						
C	Metro	MR306.5B	X	13122	Third Party Support Services for I-710 Corridor Project (So Cal Edison)	1,623	823	200	200	400				
TOTAL SCE						1,623	823	200	200	400				
D	ACTA	TBD		TBD	SR-47 Expressway (Call Match)	1,200								1,200
Alameda Corridor Transportation Authority						0								1,200
	Caltrans	MR306.24		11199	Reconfiguration of Firestone Blvd On-Ramp to I-710 S/B Freeway	1,450		250	1,200					
D	Caltrans	MR306.26		TBD	Third Party Support for I-710/I-5 PSR-PDS	60		60						
A	Caltrans	MR306.27		TBD	Third Party Support for I-710 Corridor Project EIR/EIS Enhanced IQA	2,500		600	1,900					
C	Caltrans	MR306.29		TBD	I-710 Early Action Project - Soundwall PA/ED Phase - Noise Study Only	100		100						
D	Caltrans	MR306.29		TBD	Third Party Support for I-710 Early Action Project - Soundwall PS&E Phase	200		200						
TOTAL CALTRANS						4,310		1,210	3,100					
	LA County	TBD		TBD	Whittier Blvd (Indiana to Paramount) Corridor Project (Call Match)	700								700
C	LA County	MR306.16	X	13123	Staff Support for the Review of the Draft I-710 South EIR/EIS	98	25	73						
TOTAL LA COUNTY						98	25	73						700

ATTACHMENT A

(C)hange (A)dd (D)elete	Lead Agency	Funding Agreement (FA) No.	FA Executed	HWY ID/EA or ID	Project/Location	Total Allocation	Prior Years	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021
	Bell	TBD		TBD	Eastern at Bandini Rickenbacker Project (Call Match)	155								155
C	Bell	MR306.07	X	13124	Staff Support for the Review of the Draft I-710 South EIR/EIS	150	75	75						
					TOTAL BELL	150	75	75						155
C	Bell Gardens	MR306.08	X	13125	Staff Support for the Review of the Draft I-710 South EIR/EIS	154	69	84						
	Bell Gardens	TBD		TBD	Florence/Jaboneria Intersection Project (Call Match)	258								258
	Bell Gardens	MR306.30		TBD	Florence Ave/Eastern Ave Intersection Widening	348		348						
					TOTAL BELL GARDENS	502	69	432						258
	Commerce	MR306.23		13126	Washington Blvd Widening and Reconstruction Project	13,500		3,500	7,000	3,000				
C	Commerce	MR306.09	X	13127	Staff Support for the Review of the Draft I-710 South EIR/EIS	75	75							
					TOTAL COMMERCE	13,575	75	3,500	7,000	3,000				
C	Compton	MR306.10	X	13128	Staff Support for the Review of the Draft I-710 South EIR/EIS	35	35							
					TOTAL COMPTON	35	35	0						
C	Downey	MR306.18	X	13129	Staff Support for the Review of the Draft I-710 South EIR/EIS	130	20	110						
	Downey	MR306.20	X	13130	Paramount Blvd/Firestone Intersection Improvements	3,390	782	2,608						
	Downey	MR306.31		TBD	Lakewood Blvd Improvement Project	5,000		1,500	3,500					
					TOTAL DOWNEY	8,520	802	4,218	3,500					
A	Huntington Park	TBD		TBD	Staff Support for the Review of the Draft I-710 South EIR/EIS	15		15						
						15		15						
	Long Beach	MR306.19	X	13131	Shoemaker Bridge Replacement Project	5,500		1,000	3,000	1,500				
C	Long Beach	MR306.11	X	13132	Staff Support for the Review of the Draft I-710 South EIR/EIS	200	100	100						
	Long Beach	TBD		TBD	2015 CFP - Great 7th St - Connectivity (Call Match)	1,200								1,200
	Long Beach	TBD		TBD	2015 CFP - LA River Gap Closures (Call Match)	160								160
	Long Beach	MR306.22	X	13133	Atlantic Ave/Willow St Intersection Improvements	300		300						
					TOTAL LONG BEACH	6,000	100	1,400	3,000	1,500				1,360
C	Maywood	MR306.12	X	13134	Staff Support for the Review of the Draft I-710 South EIR/EIS	65	30	35						
					TOTAL MAYWOOD	65	30	35						
C	Paramount	MR306.13	X	13135	Staff Support for the Review of the Draft I-710 South EIR/EIS	130	50	80						
	Paramount	MR306.32		TBD	Garfield Ave Improvements	2,075		1,625	450					
					TOTAL PARAMOUNT	2,205	50	1,705	450					
C	South Gate	MR306.14	X	13136	Staff Support for the Review of the Draft I-710 South EIR/EIS	200	100	100						
	South Gate	MR306.17	X	13137	Atlantic Ave/Firestone Blvd Intersection Improvements	12,400	9,487	2,913						
	South Gate	TBD		TBD	South Gate Regional Bikeway Connectivity Program (Call Match)	600								600
	South Gate	MR306.33		TBD	Firestone Blvd Regional Corridor Capacity Enhancement Project	6,000		1,500	4,500					
					TOTAL SOUTH GATE	18,600	9,587	4,513	4,500					600
C	Vernon	MR306.15	X	13138	Staff Support for the Review of the Draft I-710 South EIR/EIS	57	57							
	Vernon	MR306.25		13139	Atlantic Blvd Bridge Widening and Rehabilitation	2,070			1,220	850				
					TOTAL VERNON	2,127	57	0	1,220	850				
					TOTAL I-710 South and Early Action Projects	116,840	39,058	29,445	30,672	19,050	0			4,273
					TOTAL PLANNED EXPENDITURE		First 5 Year Allocation:		Second 5 Year Allocation:					

New Project Recommendations and Highway Operations Nexus

Arroyo Verdugo:

The Arroyo Verdugo Subregion is requesting Board approval of two new Measure R funded Highway Operational Improvement Projects.

City of Glendale

1. Verdugo Wash: Cycle Track: Feasibility Study

This project is an eligible bike lane project which will reduce commuter trips on and near the Freeway. The improvements will be made within a half mile from SR-2 and SR-134.

Measure R NEXUS to Highway Operation Definition: This project is a bike lane project which will reduce congestion and is located less than a half mile from the Freeway.

2. Oceanview Blvd. Project – from Verdugo Rd. to N'y City Boundary

This project is an eligible traffic signal upgrade and intersection improvement. The project will install a new traffic signal system and re-stripe the pavement for the installation of class II bike lanes.

Measure R NEXUS to Highway Operation Definition: This project is a traffic signal upgrade and intersection improvement which will reduce congestion. The project is located less than one mile from the 210 Freeway.

Las Virgenes/Malibu Subregion:

The Las Virgenes/Malibu Subregion is not requesting Board approval of new Measure R funded Highway Operational Improvement Projects.

South Bay Subregion:

The South Bay Subregion is requesting Board approval of two new Measure R funded Highway Operational Improvement Projects.

City of Lawndale

1. Bike Lanes on Hawthorne Blvd., from Rosecrans to Manhattan Beach Blvd.

This project is an eligible five foot bike lane on Hawthorne Blvd from Rosecrans to Manhattan Beach Blvd. The improvements will provide a safe zone for bicyclist and the work includes a re-stripe of the existing roadway to create exclusive bicycle lanes, signage and bicycle parking areas in the center median islands.

Measure R NEXUS to Highway Operation Definition: This project is a bike lane and safety improvement that will reduce incident delay.

2. Citywide Mobility Plan and Complete Streets

This project is an eligible study which will allow the City of Lawndale to develop a mobility plan and complete streets policy, which will increase safety and mobility. The improvements will enable safe access for all users, including bicyclist, motorists, transit riders and pedestrians.

Measure R NEXUS to Highway Operation Definition: This project is a safety improvements project that will reduce incident delays.

SR-138 Capacity Enhancements:

The North County Transportation Coalition (NCTC) is not requesting Board approval of new Measure R funded Highway Operational Improvement Projects.

I-605/SR-91/I-405 Corridors “Hot Spots”:

The I-605/SR-91/I-405 Corridors Technical Advisory Committee (TAC) and Corridor Cities Committee is requesting Board approval of two Measure R Funded Highway Operational Improvement Project.

Metro Led

1. I-605/SR-60 PA/ED Phase

This project is an eligible freeway interchange improvement of the I-605 Hot Spots program. The initial programming is for the initiation of the procurement process for the Project Approval and Environmental Document (PA/ED) phase of the Caltrans Project Development Process.

Measure R NEXUS to Highway Operation Definition: This project is a freeway interchange improvement and is eligible for I-605 Hot Spots funding by the criteria set forth from the I-605 Technical Advisory Committee.

City of Lakewood

2. Lakewood Boulevard Regional Corridor Capacity Enhancement Project

The improvements will be made to the Lakewood Boulevard Regional Corridor Capacity Enhancement Project. The project creates a multimodal regional corridor by narrowing the median where practical to add bike lanes, adds sidewalks, undergrounds overhead power lines to meet ADA requirements, and implements signal design to coordinate

pedestrian and bicycle movements, and upgrades traffic signal equipment to improve safety.

Measure R NEXUS to Highway Operation Definition: This project is a roadway improvement, bike lanes, and signal modification improvement project. This project is eligible for I-605 Hot Spots funding by the criteria set forth from the I-605 Technical Advisory Committee.

I-710 South Early Action Projects:

The I-710 Technical Advisory Committee (TAC) and I-170 Project Committee is not requesting Board approval of new Measure R funded Highway Operational Improvement Projects.