



Board Report

File #: 2015-1326, File Type: Program

Agenda Number: 12.

REVISED
PLANNING AND PROGRAMMING COMMITTEE
NOVEMBER 18, 2015

SUBJECT: MEASURE R HIGHWAY SUBREGIONAL PROGRAM (MRHSP)

ACTION: APPROVE ADOPTION OF UPDATED PROJECT LIST

RECOMMENDATION

- A. **APPROVING the updated project list and changes in the funding levels for the Measure R Highway Subregional Program (MRHSP) in Arroyo Verdugo, Las Virgenes-Malibu, South Bay, North County, and Gateway Cities subregions** as shown in Attachment A.
- B. **APPROVING a time extension for Lindero Canyon Road Interchange Improvements;** and
- C. **AUTHORIZING the Chief Executive Officer (CEO) to negotiate and execute all necessary agreements for approved projects**

ISSUE

The project lists for the MRHSP are updated biannually in order to provide each subregion with the opportunity to revise the proposed Measure R Highway Program implementation plan. The updated attached project lists include projects which have already received prior Board approval, as well as proposed changes related to schedule, scope, funding allocation and the 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 projects 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 in South Bay
- State Route 138 Capacity Enhancements in North County
- Interstate 605 Corridor "Hot Spots" Interchanges in Gateway Cities
- Interstate 710 South and/or Early Action Projects in Gateway Cities

These projects are not fully defined in the Measure R Expenditure Plan. Definition, development, and implementation of specific projects are done through collaborative efforts by the project sponsors, their respective COGs, and Metro's Highway Program staff.

At the May 2015 meeting, the Board approved revised project lists and funding allocations for the aforementioned projects. This update reflects the project changes recommended by each Subregion including an additional \$25 million to support five projects as discussed in detail in Attachment A.

A nexus determination has been completed for each new project added to the list. All of the projects on the attached project lists provide highway operational benefits and meet the highway operational improvements 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 updated project list includes funding adjustments for current projects recommended by the Arroyo Verdugo Subregion. The Subregion is recommending the updated project list detailed in Attachment A, totaling \$61.304 million.

The project list adjustments are as follows:

City of Glendale

- Deobligate \$1,041,285 from the Fairmont Ave. Grade Separation at San Fernando Rd. Project (MR310.01). The revised total project budget is \$1,658,700. This project has been completed and was delivered under budget. Original design and construction estimates performed in 2012 were higher than actual costs.
- Program an additional \$201,500 in Prior Years for the Glendale Narrows Bikeway Culvert project (MR310.13). The revised total project budget is \$876,500. The City of Glendale awarded a construction contract and is requesting additional funds for this project. Due to constraints identified during project and requirements from the Army Corps of Engineers and Los Angeles County Flood Control, bids were higher than the original engineering estimates done in 2013.

The subregion's project list, as detailed in Attachment A, totaling \$61.304 million, does not exceed the \$64 million forecast to be available for the subregion over FY11-20.

Highway Operational Improvements in the Las Virgines-Malibu Subregion

The updated project list includes adjustments in schedules, scopes, and funding of currently programmed projects, and the addition of one new project recommended and approved by the Las Virgines-Malibu Subregion. The Subregion is recommending the updated project detailed in Attachment A, totaling \$121.351 million.

The project list adjustments are as follows:

City of Westlake Village:

- Deobligate \$78,211 from the City of Westlake Village's Lindero Canyon Road Interchange, Phase 3A Design Project (MR311.01) for a total revised project phase amount of \$343,745. The design phase was completed, audited, and \$78,211 in project savings were identified.
- Deobligate \$17,140 from the City of Westlake Village's Highway 101 Park and Ride Lot (Design) Project (MR311.02) for a total revised project budget of \$243,650. The design phase was completed, audited and \$17,140 in project savings were identified.
- Program an additional \$95,351 in FY15-16 for the City of Westlake Village Highway 101 Park and Ride Lot (Construction) Project (MR311.19). The revised total programmed amount in FY15-16 is \$425,355. The revised total project budget has increased to \$4,983,605. The addition \$95,351 programmed to the project are savings from MR311.01 and MR311.02. The City is requesting the programming of the projects saving due to increased construction costs as a result of higher bid prices.
- Time extension of \$4,808,498 for Prop C 25% for Call for Project number F1132, Lindero Canyon Road Interchange Improvements. The \$4,808,498 million of Prop C programed for this project has been incorporate and committed to three Measure R projects; \$195,839 to MR311.01, \$1,702,336 to MR311.18 and \$2,910,323 to MR311.10. Staff is recommending an extension of the Prop C 25% lapse date to June 30, 2017, to align with the completion dates of the aforementioned projects.

City of Agoura Hills:

- Deobligate \$500,000 in Prior Years from the Kanan Road Overpass Expansion - PSR, PR Project (MR311.14). The total revised project budget is \$250,000 programmed in Prior Years. The city has down scoped the project to provide funds to (MR311.04).
- Program an additional \$500,000 in Prior Years for the Agoura Road/Kanan Road Intersection Improvements Project (MR311.04). The revised programmed amount in Prior Years is \$1,000,000 for a total revised project budget of \$1,000,000. The city is programming additional funds to this project due to increased design and right of way costs.

City of Calabasas

- Deobligate \$2,486,000 from the Parkway Calabasas/US-101 Off-Ramp Project (MR311.09). The total revised programmed amount and project budget is \$214,000. The project is being re-scoped and deferred until adjacent property development decisions are finalized. The deobligated funds will be programed into MR311.07 and MR311.08.
- Program an additional \$649,800 in FY15-16 for the Mulholland Highway Scenic Corridor

Completion Project (MR311.07). The total revised programmed amount in FY15-16 is \$2,139,800. The new project budget is \$4,389,800. The City is requesting the additional programming of funds due to increased construction costs as result of higher than expected bid prices.

- Program an additional \$1,956,200 in FY15-16 for the Las Virgenes Scenic Corridor Widening Project (MR311.08). The total revised programmed amount in FY15-16 is \$3,396,200. The new project budget is \$5,746,200. The City is requesting the additional programming of funds due to increased construction costs as result of higher than expected bid prices.

City of Hidden Hills

- Project title refinement for the “Signal, Sidewalks, and Intersection Work Near Valley Circle and US-101(MR311.35)” to Long Valley Road/Valley Circle/ US-101 On-Ramp Improvements Project. The revised project title more clearly describes the project limits and project scope.

City of Malibu:

- Deobligate \$350,000 in Prior Years from the Civic Center Way Widening Project (MR311.24). The revised programmed amount in Prior Years is \$150,000 for a total project budget of \$3,000,000. The city is deobligating funds from the project due to a lower cost estimates.
- Deobligate \$150,000 in Prior Years and \$2,150,000 in FY15-16 from the Pacific Coast Highway (PCH) Intersections Improvement Project (MR311.27). The total revised project budget is \$1,000,000. The city is deobligating funds due to a project down scope and is reprogramming the additional funds to “PCH Signal System Improvements” a higher priority project.
- Deobligate \$300,000 in Prior Years from the PCH Regional Traffic Message System (CMS) Project (MR311.29). The total revised project budget is \$500,000. The city is deobligating funds due to revised lower cost estimates.
- Deobligate \$50,000 in Prior Years and \$700,000 in FY15-16 from the PCH Roadway and Bike Route Improvements from Busch Drive to the Eastern City Limits Project (MR311.31). The city is deobligating all project funds and deleting this project from the list. Caltrans will develop and implement this project in the future.
- Program a total of \$3,700,000 for the PCH Signal System Improvements from John Tyler Drive to Topanga Canyon Blvd Project. The funds are programmed over three fiscal years, \$300,000 in FY15-16, \$1,500,000 in FY16-17 and \$1,900,000 in FY17-18. This is a new operational improvement project being proposed by the City. The project description and nexus can be found below.

This project will establish a connection between traffic signals in the project corridor and connect the signals to the Caltrans Traffic Management Center. The project will also include the development and implementation of new signal timing coordination plans. It is anticipated that this project will improve traffic flow and reduce incidents.

Measure R NEXUS to Highway Operational Definition: This is a traffic signal upgrade/timing/synchronization project, which is an eligible Measure R Highway Operational Improvement Project.

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

The project list for the I-405, I-110, I-105 and SR-91 Ramp and Interchange Improvements, recommended by the South Bay Council of Governments, is adding one new project. The South Bay Subregion project list detailed in Attachment A, totaling \$258.121 million, does not exceed the \$275 million forecasted to be available for the South Bay Subregion over FY11-21.

The project list adjustments are as follows:

Metro

- Program \$1,500,000 for the Inglewood Transit Center at Florence/La Brea. The funds will be programmed over two fiscal years, \$260,000 in FY15-16 and \$1,240,000 in FY16-17. In collaboration with key stakeholder such as the City of Inglewood, the SBCCOG and Multiple departments at Metro, Staff is recommending the approval of the new operational improvement project located at Florence/La Brea, pending SBCCOG approval in November. The project description and nexus can be found below.

This project will modify the Downtown Inglewood park and ride as a bus transit facility. The proposed project will provide a safer connection for passengers to the rail line and improve bus connections. Additionally, the project will encourage bus and transit use by locating bus services closer to the rail platform, improving passenger convenience and safety.

Measure R NEXUS to Highway Operational Definition: This is a park and ride/transit facility, which is an eligible Measure R Highway Operational Improvement Project.

State Route 138 Capacity Enhancements

The project list for State Route 138 Capacity Enhancements does not include any new adjustments. The implementing agencies in the North County continue to deliver their projects according to the approved plan.

The North County's project list detailed in Attachment A, has programmed funding for the 11 projects totaling \$200 million.

Interstate 605 Corridor "Hot Spots" Interchanges

The proposed revised project list includes adjustments in schedules, scopes, funding for current projects and Third Party support services, and the addition of one new project for the Gateway Cities. The I-605/SR-91/I-405 Technical Advisory Committee (TAC) is recommending the revised project list detailed in Attachment A, totaling \$110.159 million

The project list adjustments are as follows:

Metro

- Program an additional \$19,198,000 for the I-605/I-5 Project Approval and Environmental Document (PA&ED) (AE11375). The funds will be programmed over 4 fiscal years: \$1,500,000 in FY15-16, \$5,000,000 in FY16-17, \$5,000,000 in FY17-18 and \$7,698,000 in FY18-19. Additionally, reprogram \$1,500,000 from Prior Years to FY15-16, the first fiscal year of the contract. The total project budget of the I-605 PA&ED is \$20,698,000. The Metro Board adopted the contract at the September meeting.
- Program an additional \$1,840,000 for the I-710/91 Project Study Report/ Project Development Support Document (AE11372). The funds will be programmed over two fiscal years: \$1,090,000 in FY15-16 and \$750,000 in FY16-17. Additionally, reprogram \$500,000 in Prior Years to FY15-16, the first fiscal year of the contract. The total project budget of I-710/SR-91 PSR-PDS is \$2,340,000. The Metro Board adopted the contract at the September meeting.
- Deobligate \$4,830,000 for a total revised project budget of \$680,000 in Prior Years from Professional Services contract PS4720-3252, Intersection Improvements in the City of Whittier (e.g. Whittier Blvd at Santa Fe Springs, Painter Ave and Colima Ave). Metro is managing the PA&ED at these intersections.

The City of Whittier requested that Metro manage and complete project delivery phases at three intersections on their behalf. The City of Whittier would now like to manage and solicit consultant services for PS&E, ROW, and construction of the intersection improvements.

- Deobligate \$2,057,000 for a total revised project budget of \$473,000 in Prior Years and \$100,000 in FY15-16 for Professional Services contract PS4720-3250, Intersection Improvements in the Cities of Long Beach and Bellflower (e.g. Lakewood Blvd in Long Beach at Spring St., Bellflower Blvd. in Long Beach at Spring St. and Lakewood Blvd. in Bellflower at Alondra Blvd.). The revised total project budget is \$573,000. Metro is managing the PA&ED at these intersections.

The cities requested that Metro manage and complete all project delivery phases on behalf of the cities and PS&E on Lakewood Blvd. at Alondra Blvd. for the City of Bellflower. The cities of Bellflower and Long Beach will be managing and soliciting consultant services for future phases.

- Deobligate \$3,239,000 for a total project budget of \$561,000 in Prior Years For Professional Services contract PS4720-3251, Intersection Improvements in the Cities of Cerritos and La Mirada/Santa Fe Springs (e.g. Valley View Ave in La Mirada and Santa Fe Springs at

Rosecrans Ave. and Alondra Blvd., Bloomfield Ave. in Cerritos at Artesia Blvd. and South Street in Cerritos at Carmenita Road). Metro is managing the PA&ED at these intersections.

The cities requested that Metro manage and complete project delivery phases on behalf of the cities and was requested to complete PS&E on Bloomfield Ave. at Artesia Blvd, South Street at Carmenita Road and Valley View at Rosecrans Ave and Alondra Blvd. The cities of La/Mirada/Santa Fe Springs and Cerritos will manage future phases.

- Program \$100,000 in FY15-16 for intersection improvements on Bloomfield Ave at Artesia Blvd & intersection improvements on South St. at Carmenita Road in the City of Cerritos. Metro will manage and complete PS&E at these two intersections in a new contract. This project was previously listed as being completed by Metro (all phases). The city of Cerritos will manage ROW and Construction phases.
- Program \$100,000 in FY15-16 for intersection improvements on Valley View Ave at Rosecrans Ave and Alondra Blvd in the Cities of La Mirada/Santa Fe Springs. Metro will manage and complete PS&E at the two intersections. This project was previously listed as being completed by Metro (all phases). The City of Santa Fe Springs will manage ROW and Construction phases.

Caltrans

- Program an additional \$134,000 for Third Party Support Services to be provided by Caltrans for the I-710/SR-91 PSR-PDS. The funds will be programmed over two fiscal years: \$59,000 in FY15-16 and \$75,000 in FY16-17. Additionally, reprogram \$100,000 from FY 14-15 to FY 15-16, the first fiscal year of work for the project. The total project budget is \$234,000.

City of Long Beach

- Program \$250,000 for the City of Long Beach's Soundwall on I-605 near Spring St. The funds will be programmed over three fiscal years: \$50,000 in FY15-16, \$100,000 in FY16-17 and \$100,000 in FY17-18. This is a new highway operational improvement project.

This project will complete the Environmental and Design of one soundwall in the City of Long Beach on the east side of the I-605 near Spring Street. This project is currently on the Metro Soundwall Phase 2 project list.

Measure R NEXUS to Highway Operational Definition: This is a soundwall project, which is an eligible Measure R Highway Operational Improvement.

- Program \$454,000 in FY15-16 for Lakewood Blvd. Intersection Improvements at Spring St. This project was previously foreseen to be completed by Metro (all phases). The City of Long Beach will manage and complete PS&E and Construction of the project.
- Program \$493,000 in FY 15-16 for Bellflower Blvd Intersection Improvements at Spring St.

This project was previously listed as being completed by Metro (all phases). The City of Long Beach will manage and complete PS&E and Construction.

City of Bellflower

- Program \$644,000 in FY15-16 for Lakewood Blvd intersection improvements at Alondra Blvd. This project was previously foreseen to be completed by Metro (all phases). The City of Bellflower will manage and complete construction of the project.
- Deobligate \$880,000 in FY15-16 from the Bellflower Blvd/Artesia Blvd. Intersection Improvements Project (MR315.16). The total revised programmed amount in FY15-16 is \$6,210,000. Reprogram \$1,100,000 from FY14-15 to FY16-17. The revised project budget is \$7,310,000. The City of Bellflower has rescoped and phased the project, requiring a lower project budget to complete phase 1. The revised project limits are Bellflower Blvd. between the SR-91 overcrossing and Artesia Blvd.

City of Cerritos

- Program \$292,000 in FY15-16 for South Street Intersection Improvements at Carmenita Road. This project was previously listed as being completed by Metro (all phases) PS4720-3251. The City of Cerritos will manage and complete ROW and Construction of the project.
- Program \$1,756,000 in FY15-16 for Bloomfield Ave Intersection Improvements at Artesia Blvd. This project was previously listed as being completed by Metro (all phases) PS4720-3251. The City of Cerritos will manage and complete ROW acquisition and Construction of the project.

City of Santa Fe Springs

- Program \$524,000 in FY15-16 for Valley View Ave intersection improvement at Rosecrans Ave. This project was previously listed as being completed by Metro (all phases). The City of Santa Fe Springs will manage and complete Construction of the project.
- Program \$2,967,000 in FY15-16 to account for Valley View Intersection Improvements at Alondra Blvd. This project was previously listed as being completed by Metro (all phases). The City of Santa Fe Springs will manage and complete ROW acquisition and Construction of the project.

City of Whittier

- Program \$1,568,000 in FY15-16 for Whittier Blvd Intersection Improvements at Santa Fe Springs Roads. This project was previously listed as being completed by Metro (all phases). The City of Whittier will manage and complete PS&E, ROW and Construction of the project.
- Program \$1,760,000 in FY15-16 for Whittier Blvd Intersection Improvements at Painter Ave.

This project was previously listed as being completed by Metro (all phases). The City of Whittier will manage and complete PS&E, ROW, and Construction of the project.

- Program \$1,646,000 in FY15-16 for Whittier Blvd Intersection Improvements at Colima Ave. This project was previously listed as being completed by Metro (all phases). The City of Whittier will manage and complete PS&E, ROW, and Construction of the project.

The proposed updates to the Interstate 605 Corridors “Hot Spots” Interchanges projects list do not exceed the \$164.8 million forecast to be available over FY11-20.

Interstate 710 South and/or Early Action Projects

The updated project list includes adjustments in funding for current projects, and Third 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 detailed in Attachment A, totaling \$120.906 million.

The funding requests are as follow:

Caltrans

- Deobligate \$200,000 for Third Party Support of the I-710 Early Action Project - Soundwall PS&E Phase. Third Party Support Services are no longer needed for Independent Quality Assurance efforts by Caltrans.
- Program an additional \$1,000,000 in FY16-17 for Third Party Support Services of the I-710 South EIR/EIS Enhanced IQA (MR306.27). The revised project budget is ~~\$4,000,000~~ \$3,500,000. Due to recent scope changes in the I-710 South EIR/EIS contracts and an extension of the project schedule, Caltrans is requesting additional funds for “enhanced” Independent Quality Assurance efforts. This includes expenses related to technical reviews and feedback provided for the I-710 Recirculated Draft EIR/EIS document and technical reports, as well as meeting attendance, effective January 1st, 2014.

City of Bell Gardens

- Reprogram the \$348,000 Florence Ave/Eastern Ave Intersection Widening project budget over two fiscal years: \$17,000 in FY 14-15 and \$331 in FY17-19 to match the Call for Project 2013 local match requirements.

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 FY16 budget. These three programs are all under Cost Center 0442 in Account 54001 (Subsidies to Others).

Funding for Metro's portion of the SR-138 Project Approval and Environmental Document (September 2012 Board action) is included in the FY16 budget under project No. 460330, Cost Center 4720 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).

Funding for projects in the I-605/SR-91/I-405 Corridor "Hot Spots" and I-710 Early Action Project lists are included in the FY16 budget.

Moreover, programmed funds are based on estimated revenues. Since each MRSHP is a multi-year agreement, the cost center managers and the Managing Executive Officer of the Highway Program will be responsible for budgeting the costs in current and future years. Adjustments in programmed funds, as necessary for future years, will be made in the next Board update.

ALTERNATIVES CONSIDERED

The Board may choose to not approve the revised project lists and funding allocations. However, this option is not recommended as it will be inconsistent with Board direction given at the time of LRTP adoption and may delay project delivery.

NEXT STEPS

Metro Highway Program staff will continue working with the subregions to deliver their projects. As the work progresses, updates will be provided to the board on a periodic basis.

ATTACHMENTS

Attachment A - Measure R Highway Subregional Program Project List

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Phillip A. Washington
Chief Executive Officer

ATTACHMENT A

Arroyo Verdugo Subregion Measure R Highway Operational Improvements Project List										
(Programmed Dollars in Thousands)										
(Change (A)dd (D)elete	Lead Agency	Funding Agreement (FA) No.	Project/Location	Total Allocation (10 yr)	Prior Years					2019-2020
					2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	
			Arroyo Verdugo Operational Improvements (98 projects - 3 New)	61,304	34,788	6,735	2,758	8,009	9,014	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		250			3,647	
	Burbank	MR310.10	Widen Olive Ave / I-5 Bridge for center-turn lane, standard width lanes, shoulders	3,897					600	
	Burbank	MR310.23	Chandler Bikeway Extension (Call for Projects Local Match)	600					7,964	
			TOTAL BURBANK	17,964	9,500	500	0	0	7,964	0
	Glendale	MR310.12	Glendale Fwy Ramps/Space 134 "Vision Plan"	293	600					
	Glendale	MR310.22	Glendale Narrows Riverwalk Bridge	300	300					
	Glendale	MR310.24	Construction of Bicycle Facilities	1,658.7						
C	Glendale	MR310.01	Fairmont Ave. Grade Separation at San Fernando Rd. (Construction) (Completed)	1,850						
	Glendale	MR310.04	San Fernando/Grandview At-Grade Rail Crossing Imp. (Completed)	876.5						
C	Glendale	MR310.13	Glendale Narrows Bikeway Culvert	1,400						
	Glendale	MR310.16	SR-134 / Glendale Ave. Interchange Modification	557						
	Glendale	MR310.14	Verdugo Road Signal Upgrades (Completed)	1,250						
	Glendale	MR310.19	Traffic Signal Sync Brand / Colorado-San Fernando / Glendale-Verdugo (Completed)	400						
	Glendale	MR310.20	Verdugo Rd / Honolulu Ave / Verdugo Blvd Intersection Modification (Completed)	3,250						
	Glendale	MR310.05	Central Ave Improvements / Broadway to SR-134 EB Offramp (Completed)	2,700						
	Glendale	MR310.18	Sonora Avenue At-Grade Rail Crossing Safety Upgrade (Completed)	350						
	Glendale	MR310.21	Colorado St. Widening between Brand Blvd. and east of Brand Blvd. (Completed)	1,000						
	Glendale	MR310.37	Verdugo Boulevard Rehabilitation (Verdugo Road to Ely City Boundary)	1,200						
	Glendale	MR310.36	Signalizations of SR-2 Fwy Ramps @ Holly	600		100		500		
	Glendale	MR310.39	Widening of SR-2 Fwy Ramps @ Mountain	5,000		2,000		150		1,050
	Glendale	MR310.25	210 Soundwalls Project	1,500						
	Glendale	MR310.35	Signal Installations at Various Locations	1,000		750				
	Glendale	MR310.30	North Brand Boulevard Rehabilitation (Freeway 134 to Mountain Street)	100				1,000		
	Glendale	MR310.32	Regional Arterial Performance Measures	315				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						
	Glendale	MR310.41	Doran St. (From Brand Blvd. To Adams St.)	1,200						
	Glendale	MR310.42	Arden Ave. (From Highland Ave. to Kenilworth St.)	900						
	Glendale	MR310.43	Verdugo Rd. Street Improvements Project (Traffic Signal Modification)	585						
	Glendale	TBD	Verdugo Wash: Cycle Track: Feasibility Study	408						
	Glendale	TBS	Ocean Blvd. Project -- from Verdugo Rd. to N'Ily City Boundaries	1,000						
			TOTAL GLENDALE	33,608	20,300	5,035	2,158	5,065	1,050	0
	La Canada Flintridge	MR310.03	Soundwalls on Interstate 210 (Completed)	4,588						
	La Canada Flintridge	TBD	Soundwalls on Interstate 210 in La Canada-Flintridge (phase 2)	1,800						
			TOTAL LA CANADA FLINTRIDGE	6,388	4,588	600	600	600	0	0
	LA County	MR310.44	Soundwalls on Interstate 210 in LA Crescents-Montrose	3,344						
			TOTAL LA COUNTY	3,344	400	600	0	2,344	0	0
			TOTAL ARROYO VERDUGO	61,304	34,788	6,735	2,758	8,009	9,014	0
										5 Year Allocation

ATTACHMENT A

Las Virgenes/Malibu Operational Improvements

(Programmed Dollars in Thousands)

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

(Change Add)	Lead Agency	Funding Agreement (FA) No.	Project/Location	Total Allocation (10 yr)	Prior Years					2019-2020	
					2015-2016	2016-2017	2017-2018	2018-2019	2019-2020		
			Las Virgenes/Malibu Operational Improvements	121,351	31,431	6,150	6,400				
			10 Year Forecasted Funds in Long Range Plan (cumulative)	121,351							
C	Westlake Village	MR311.01	Lindero Canyon Road Interchange, Phase 3A Design	343,745							
C	Westlake Village	MR311.02	Highway 101 Park and Ride Lot (Design)	243,650							
	Westlake Village	MR311.10	Rte 101/Lindero Cyn. Rd. Interchange Improvements, Phase 3B,4B Construction	3,661	70						
	Westlake Village	MR311.18	Rte 101/Lindero Cyn. Rd. Interchange Improvements, Phase 3A Construction	8,969							
C	Westlake Village	MR311.19	Highway 101 Park and Ride Lot (Construction)	4,983,605	425,355						
			TOTAL WESTLAKE VILLAGE	18,201,000	495	0	0	0	0	0	
			Agoura Hills	7,350	1,750						
C	Agoura Hills	MR311.03	Palo Comando Interchange	1,000							
			Agoura Road/Kanan Road Intersection Improvements	32,000	11,750						
C	Agoura Hills	MR311.05	Agoura Road Widening	250							
C	Agoura Hills	MR311.14	Kanan Road Overpass Expansion -- PSR, PR, PS&E	250							
			TOTAL AGOURA HILLS	40,600	13,500	0	0	0	0	0	
			Calabasas	26,000	5,000						
C	Calabasas	MR311.06	Lost Hills Overpass and Interchange	4,889.8	2,250	2,139.8					
C	Calabasas	MR311.07	Mulholland Highway Scenic Corridor Completion	5,746.2	2,350	3,396.2					
C	Calabasas	MR311.08	Las Virgenes Scenic Corridor Widening	214							
C	Calabasas	MR311.09	Parkway Calabasas/US 101 SB Offramp	500							
			Off-Ramp for US 101 at Las Virgenes Road	3,700	500						
			Park and Ride Lot on or about 23577 Calabasas Road (near Route 101)	40,550	29,514	11,036	0	0	0	0	
C	Malibu	MR311.24	Malibu/Civic Center-Way Widening	3,000	150	2,100	750				
			PCH-Raised Median and Channelization from Webb Way to Corral Canyon Road	6,950	550	2,500	900	3,000			
C	Malibu	MR311.27	PCH Intersections Improvements	1,000	0	1,000					
			Kanan Dume Road Arrester Bed Improvements and Intersection with PCH (Construction)	900	900						
C	Malibu	MR311.28	PCH Regional Traffic Message System (CMS)	500	0	500					
			PCH Roadway and Bike Route Improvements fr. Busch Dr. to Western City Limits	500	500						
D	Malibu	MR311.31	PCH Roadway and Bike Route Improvements fr. Busch Dr. to Eastern City Limits	0	0						
			PCH and Big Rock Dr. Intersection and at La Costa Area Pedestrian Improvements	950	950						
			Pacific Coast Highway Shoulder Improvements (Various Locations)	3,500	0	500	1,500	1,500			
A	Malibu	TBD	P.C.H. 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	6,400	6,400	0	0	
C	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	121,351	77,370	31,431	6,150	6,400	6,400	0	
			5 Year Allocation								

ATTACHMENT A

INTERSTATE 405, I-110, I-105, and SR-91 RAMP and INTERCHANGE IMPROVEMENTS (SOUTH BAY)											
(Programmed Dollars in Thousands)											
(Change (Add) (Delete)	Lead Agency	Funding Agreement (FA) No.	Project/Location	Total Allocation	Prior Years	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021
Measure R Highway Operational Improvements Project List											
Proposed Project List and Ten-Year Allocation (Fiscal Years subject to MTA priority settings & budget processes)											
INTERSTATE 405, I-110, I-105, and SR-91 RAMP and INTERCHANGE IMPROVEMENTS (SOUTH BAY)											
10 Year Forecasted Funds In Long Range Plan (Cumulative)				258,121	130,264	25,788	22,934	35,763	20,675	12,537	8,660
	SBHP		Early Action Contingency	3,500	3,500						
	SBHP		Program Contingency	12,000	2,000	2,000	2,000	2,000	2,000	2,000	
	SBHP		Strategic Positioning Projects Reserve	0							
			TOTAL SBHP	15,500	5,500	2,000	2,000	2,000	2,000	2,000	0
	SBCCOG	MR312.01	South Bay Cities COG Program Development & Oversight and Program Administration (Project Development Budget Included)	13,375	8,904	860	1,900	500	594	617	
	SBCCOG	MR312.31	South Bay Subregional Intelligent Transportation System (ITS) Plan	7,000	4,000	2,000	1,000				
	Metro/SBCCOG	MR312.30	Corridor Refinement Studies for I-405 from I-110 to I-105 and I-105 from I-405 to I-110	700	700						
			TOTAL SBCCOG	21,075	13,604	2,860	2,900	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						
			TOTAL CARSON	1,158	1,158	0	0	0	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	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	2,350	2,350						
	Gardena	TBD	Redondo Beach Blvd Arterial Improvements from Crenshaw Blvd to Vermont Ave (Call Match)	720							720
	Gardena	TBD	Crenshaw Blvd Arterial Improvements from Redondo Beach Blvd to El Segundo Blvd (Call Match)	380							380
	Gardena	TBD	Artesia Blvd Arterial Improvements from Western Ave to Vermont Ave (Call Match)	620							620
	Gardena	TBD	Normandie Ave Arterial Improvements from El Segundo Blvd to 177th Street (Call Match)	1,200							1,200
	Gardena	TBD	Traffic Signal Reconstruction on Vermont at Redondo Beach Blvd and at Rosecrans Ave. (Call Match)	360							360
	Gardena	TBD	Park and Ride Lots at Southwest corners of El Segundo Blvd at Vermont Ave and at Western ave (Call Match)	1,140							1,140
			TOTAL GARDENA	12,585	8,165	0	0	0	0	0	4,420

ATTACHMENT A

(Change Add/DELETE)	Lead Agency	Funding Agreement (FA) No.	Project/Location	Total Allocation	Prior Years	2015-2021					2020-2021	
						2015-2016	2016-2017	2017-2018	2018-2019	2019-2020		
	Metro	MR312.30	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	South Bay Arterial Baseline Conditions Analysis	250	250							
A	Metro	TBD	Inglewood Transit Center at Florence/La Brea	1,500		260	1,240					
			TOTAL METRO	1,750	250	0	0	0	0	0	0	0
	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	0
	Torrance	MR312.09	Pacific Coast Highway Improvements from Palos Verdes Blvd to Crenshaw Blvd	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	100	400						
	Torrance	MR312.60	Crenshaw from Del Arno to Dominguez - 3 SB turn lanes at Del Arno Blvd, 208th St., Transit Center Entrance, Signal Improvements at 2 new signal at Transit Center	3,300	1,800	1,500						
	Torrance	TBD	Western Ave at Sepulveda Blvd intersection improvements (Call Match)	3,500								3,500
	Torrance	TBD	Hawthorne Blvd Corridor Intersection Improvements (Lomita Blvd, Emerald, Spencer, and 182nd St.) (Call Match)	740								740
			TOTAL TORRANCE	65,392	49,252	1,900	5,000	5,000	0	0	0	4,240
			TOTAL SOUTH BAY	258,121	130,264	25,788	22,934	35,763	20,675	12,537	8,660	8,660

Second 5 Year Allocation

ATTACHMENT A

SR-138 Capacity Enhancements										
(Programmed Dollars in Thousands)										
Measure R Highway Operational Improvements Project List										
Proposed Project List and Ten-Year Allocation (Fiscal Years subject to MTA priority setting & budget process)										
(C)Change (A)ddd	Funding Lead Agency Agreement (FA) No.	Project/Location	Total Allocation	Prior Years	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	
SR-138 Capacity Enhancements										
10 Year Forecasted Funds In Long Range Plan (cumulative)										
	Metro	SR-138 (AvenueD) PA/ED (I-5 to SR-14)	200,000	42,700	30,200	36,400	23,100	22,400	45,200	
			200,000							
			25,000	13,000	5,000	4,000	3,000			
			25,000	13,000	5,000	4,000	3,000	0	0	
		TOTAL METRO	15,000	5,000	10,000					
	Lancaster	SR-138 (SR-14) Avenue K Interchange	15,000	800	2,300				11,900	
	Lancaster	SR-138 (SR-14) Avenue G Interchange	15,000	300	2,000	1,000			6,700	
	Lancaster	SR-138 (SR-14) Avenue J Interchange	10,000		200	100	900		3,800	
	Lancaster	SR-138 (SR-14) Avenue L Interchange	5,000	1,100	2,800	500		15,600		
	Lancaster	SR-138 (SR-14) Avenue M Interchange	20,000	7,200	7,300	11,600	900	15,600	22,400	
		TOTAL LANCASTER	65,000	14,500	10,500					
	Palmdale	SR-138 Palmdale Blvd. (SR-138) 5th to 10th St. East	25,000	1,600	2,500	2,500		6,800	11,600	
	Palmdale	SR-138 Palmdale Blvd. SB 14 Ramps	25,000	2,400	1,500	7,000	4,100			
	Palmdale	SR-138 10th St. West Interchange	15,000	3,600	3,000	8,800	9,600			
	Palmdale	SR-138 (SR-14) Widening Rancho Vista Blvd. to Palmdale Blvd	25,000	400	400	2,500	5,500		11,200	
	Palmdale	SR-138 Avenue N Overcrossing	20,000	22,500	17,900	20,800	19,200	6,800	22,800	
		TOTAL PALMDALE	110,000	42,700	30,200	36,400	23,100	22,400	45,200	
		TOTAL SR-138 CAPACITY ENHANCEMENTS	200,000							
										5 Year Allocation

ATTACHMENT A

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

(Programmed Dollars in Thousands)

Measure R Highway Operational Improvements Project List
Proposed Project List and Ten-Year Allocation (Fiscal Years subject to MTA priority settings & budget processes)

Change (Add/Reduce)	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 605/STATE ROUTE 91/INTERSTATE 405 CORRIDOR "HOT SPOTS"	110,159	48,756	33,350	11,546	5,100	7,698	0	3,710
			10 Year Forecasted Funds in Long Range Plan (Cumulative)	164,800							
	GCCOG	MOU.306.03	GCCOG Engineering Support Services	300	200	100					
	GCCOG	TBD	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						
D	Metro	PS4720-3252	Santa Fe Springs Whittier Intersection Improvements	0							
D	Metro	PS4720-3252	Painter Ave - Whittier Intersection Improvements	0							
D	Metro	PS4720-3252	Colima Ave - Whittier Intersection Improvements	0							
C	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						
D	Metro	PS4720-3250	Lakewood - Alondra Intersection Improvements	0							
D	Metro	PS4720-3250	Lakewood - Spring Intersection Improvements	0							
D	Metro	PS4720-3250	Bellflower - Spring Intersection Improvements	0							
	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	473	100					
C	Metro	PS4720-3251	Valley View - Rosecrans Intersection Improvements	0							
D	Metro	PS4720-3251	Valley View - Alondra Intersection Improvements	0							
D	Metro	PS4720-3251	Carmenita - South Intersection Improvements	0							
D	Metro	PS4720-3251	Bloomfield - Artesia Intersection Improvements	0							
C	Metro	PS4720-3251	Arterial Hot Spots in the Cities of Carritos, La Mirada, and Santa Fe Springs: PAED for Valley View/Rosecrans, Valley View/Alondra, Carmenita/South, and Bloomfield/Artesia Intersection Improvements	561	561						
C	Metro	TBD	Arterial Hot Spots in the Cities of Carritos: PS&E for Carmenita/South and Bloomfield/Artesia Intersection Improvements	100		100					
C	Metro	TBD	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	TBD	Professional Services for 605/60 PA/ED	2,000		2,000					
	Metro	PS47203004	Professional Services for the Gateway Cities Strategic Transportation Plan	10,430	9,339		1,091				
C	Metro	AE333410011375	Professional Services for the I-605/I-5 PA/ED	20,698		3,000	5,000	5,000	7,698		
	Metro	TBD	Professional Services for the I-605/I-91 PA/ED	1,000	1,000						
C	Metro	AE322940011372	Professional Services for 710/91 PSR/PDS	2,340		1,590	750				
	Metro	MR315-28	Third Party Support for the I-605 Corridor "Hot Spots" Interchanges Program Development (Gateway Cities, SCE, LA County)	300	200	100					
			TOTAL METRO	51,312	24,683	7,090	6,841	5,000	7,698	0	0
	Caltrans	TBD	Third Party Support for the I-605 Corridor "Hot Spots" Interchanges Program Development, SR60/I-605 PSR-PDS	260							
	Caltrans	TBD	Third Party Support for the I-605 Corridor "Hot Spots" Interchanges Program Development, I-605/I-5 PA/ED	150	150						
	Caltrans	TBD	Third Party Support for the I-605 Corridor "Hot Spots" Interchanges Program Development, I-605/SR-91 PA/ED	100	100						
	Caltrans	TBD	Third Party Support for the I-605 Corridor "Hot Spots" Interchanges Program Development, I-605 Intersection Improvements	60	60						
C	Caltrans	TBD	Third Party Support for the I-605 Corridor "Hot Spots" Interchanges Program Development, I-710/SR-91 PSR-PDS	234	159	75					
			TOTAL CALTRANS	804	570	159	75	0	0	0	0

ATTACHMENT A

(Change (A)Add (D)Delete	Lead Agency	Funding Agreement (FA) No.	Project/Location	Total Allocation	Previous Years					2018-2019	2019-2020	2020-2021
					2015-2016	2016-2017	2017-2018	2018-2019	2019-2020			
	LA County	MR315.07	Painter - Mulberry Intersection Improvements	2,410	175	1,650						
	LA County	MR315.11	Valley View - Imperial Intersection Improvements	1,640	475	1,165						
	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						
	LA County	MR315.22	Norwalk-Washington Intersection Improvements	550	250	300						800
	LA County	TBD	South Whittier Bikeway Access Improvements (Call Match)	800								700
	LA County	TBD	Whittier Blvd - Indiana St to Paramount Blvd (Call Match)	700								1,500
			TOTAL LA COUNTY	9,730	2,385	2,415	3,430	0	0	0	0	0
	Downey	MR315.03	Lakewood - Telegraph Intersection Improvements	2,120								
	Downey	MR315.14	Lakewood - Imperial Intersection Improvements	2,760								
	Downey	MR315.27	Lakewood - Florence Intersection Improvements	1,310	1,310							
	Downey	MR315.18	Bellflower - Imperial Highway Intersection Improvements	1,900	1,900							
			TOTAL DOWNEY	8,090	8,090	0	0	0	0	0	0	0
	Lakewood	TBD	Lakewood Blvd Regional Capacity Enhancement	3,600	2,600							
	Lakewood	MR315.04	Lakewood - Del Amo Intersection Improvements	3,320	3,320							
			TOTAL LAKEWOOD	6,920	4,320	0	0	0	0	0	0	0
	Long Beach	TBD	2015 CFP - Artesia Complete Blvd (Call Match)	900								
	Long Beach	TBD	2015 CFP - Atherton Bridge & Campus Connection (Call Match)	800								
	Long Beach	TBD	Park or Ride (Call Match)	150								
	Long Beach	TBD	Soundwall on I-605 near Spring Street, PAED and PSE	250	50	100	100					
A	Long Beach	TBD	Lakewood - Spring Intersection Improvements, PSE and Construction	454	454							
C	Long Beach	TBD	Bellflower - Spring Intersection Improvements, PSE and Construction	493	493							
			TOTAL LONG BEACH	3,047	0	997	100	100	0	0	0	1,850
	Norwalk	MR315.06	Studebaker - Rosecrans Intersection Improvements	1,670	1,670							
	Norwalk	MR31.10	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						
			TOTAL NORWALK	4,579	2,998	1,581	0	0	0	0	0	0
	Pico Rivera	MR315.05	Rosemead - Beverly Intersection Improvements	4,040	3,000	1,040						
	Pico Rivera	MR315.09	Rosemead - Whittier Intersection Improvements	600	600							
	Pico Rivera	MR315.21	Rosemead - Washington Intersection Improvements	40	40							
	Pico Rivera	MR315.19	Rosemead - Slauson Intersection Improvements	1,770	1,770							
			TOTAL PICO RIVERA	6,450	5,410	1,040	0	0	0	0	0	0
C	Bellflower	MR315.16	Bellflower Blvd - Artesia Blvd Intersection, Improvement Project	7,310	6,210	1,100						
C	Bellflower	TBD	Lakewood - Alondra Intersection Improvements: Construction	644	644							
			TOTAL BELLFLOWER	7,954	0	6,854	1,100	0	0	0	0	0
	Artesia	TBD	2015 CFP - Norwalk Blvd Bicycle and Pedestrian Improvement Project (Call Match)	360								
			TOTAL ARTESIA	360	0	0	0	0	0	0	0	360
C	Cerritos	TBD	Carmenita - South Intersection Improvements, Construction	292	292							
C	Cerritos	TBD	Bloomfield - Artesia Intersection Improvements, ROW & Construction	1,756	1,756							
			TOTAL CERRITOS	2,048	0	2,048	0	0	0	0	0	0
C	Santa Fe Springs	TBD	Valley View - Rosecrans Intersection Improvements, Construction	524	524							
C	Santa Fe Springs	TBD	Valley View - Alondra Intersection Improvements, ROW & Construction	2,967	2,967							
			TOTAL SANTA FE SPRINGS	3,491	0	3,491	0	0	0	0	0	0
C	Whittier	TBD	Santa Fe Springs Whittier Intersection Improvements: PSE, ROW, Construction	1,568	1,568							
C	Whittier	TBD	Painter Ave - Whittier Intersection Improvements: PSE, ROW, Construction	1,760	1,760							
C	Whittier	TBD	Colima Ave - Whittier Intersection Improvements: PSE, ROW, Construction	1,646	1,646							
			TOTAL WHITTIER	4,974	0	4,974	0	0	0	0	0	0
			TOTAL I-605/SR-91/I-405 CORRIDORS "HOT SPOTS"	110,159	48,756	33,350	11,546	5,100	7,698	0	0	3,710

5 Year Allocation

ATTACHMENT A

I-710 South and/or Early Action Project List											
(Programmed Dollars in Thousands)											
Measure R Highway Operational Improvements Project List											
Proposed Project List and Ten-Year Program (Fiscal Years subject to MTA priority settings & budget processes)											
(Change (A)Add (D)Delete)	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	120,906	67,095	30,672	20,050	0	0	0	3,073
			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	100	100					
	Metro	PS4720-3334	Program/Project Management Support of Measure R Funds	200	600						
	Metro	PS-4010-2540-02-17	I-710/I-5 Interchange Project Development	600							
	Metro	various	Professional Services contracts for I-710 Utility Studies (North, Central, South)	22,237	14,497	1,740	6,000				
	Metro	PS4340-1939	Professional Services contract for I-710 Corridor Project EIR/EIS	23,750	15,442	3,308	5,000				
	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						
			TOTAL METRO	57,815	37,213	7,402	13,200				
	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				
			TOTAL SCE	1,623	1,023	200	400				
	Caltrans	MR306.24	Reconfiguration of Firestone Blvd On-Ramp to I-710 S/B Freeway	1,450	250	1,200					
C	Caltrans	MR306.27	Third Party 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						
D	Caltrans	MR306.29	Third Party Support for I-710 Early Action Project - Soundwall PS&E Phase	0							
			TOTAL CALTRANS	5,050	950	3,100	1,000				
	LA County	TBD	Whittier Blvd (Indiana to Paramount) Corridor Project (Call Match)	700							700
	LA County	MR306.16	Staff Support for the Review of the Draft I-710 South EIR/EIS	98	98						
			TOTAL LA COUNTY	798	98						700

ATTACHMENT A

(Change A)id (Delete)	Lead Agency	Funding Agreement (FA) No.	Project/Location	Total Allocation	Prior Years	5 Year Allocation					
						2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021
	Bell	TBD	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	305	150						155
	Bell Gardens	MR306.08	Staff Support for the Review of the Draft I-710 South EIR/EIS	154	154						
	Bell Gardens	TBD	Florence/Jaboneria Intersection Project (Call Match)	258							258
C	Bell Gardens	MR306.30	Florence Ave/Eastern Ave Intersection Widening	348		17	331				
			TOTAL BELL GARDENS	412	154						258
	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	TBD	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						1,200
	Long Beach	TBD	2015 CFP - Great 7th St. - Connectivity (Call Match)	1,200							160
	Long Beach	TBD	2015 CFP - LA River Gap Closures (Call Match)	160							160
	Long Beach	MR306.22	Atlantic Ave/Willow St Intersection Improvements	300	300						1,360
			TOTAL LONG BEACH	7,360	1,500	3,000	1,500				1,360
	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						
	South Gate	TBD	South Gate Regional Bikeway Connectivity Program (Call Match)	600							600
	South Gate	MR306.33	Firestone Blvd Regional Corridor Capacity Enhancement Project	6,000	1,500	4,500					
			TOTAL SOUTH GATE	19,200	14,100	4,500					600
	Vernon	MR306.15	Staff Support for the Review of the Draft I-710 South EIR/EIS	57	57						
	Vernon	MR306.25	Atlantic Blvd Bridge Widening and Rehabilitation	2,070	1,220	850					
			TOTAL VERNON	2,127	57	1,220	850				
			TOTAL I-710 SOUTH AND EARLY ACTION PROJECTS	120,906	67,095	30,672	20,050	0			3,073