



Board Report

File #: 2016-0589, File Type: Program

Agenda Number: 15.

PLANNING AND PROGRAMMING COMMITTEE  
NOVEMBER 16, 2016

**SUBJECT: MEASURE R HIGHWAY SUBREGIONAL PROGRAM SEMI-ANNUAL UPDATE**

**ACTION: APPROVE ADOPTION OF UPDATED PROJECT LIST**

**RECOMMENDATION**

CONSIDER:

- A. APPROVING the updated **project list and changes in the funding levels for the Measure R Highway Subregional Program in Arroyo Verdugo, Las Virgenes Malibu, South Bay, North County, and Gateway Cities Subregions** as shown in Attachment A;
- B. AUTHORIZING the Chief Executive Officer (CEO) or his designee as shown in Attachment B:
  - 1. Allow the City of Lancaster to use programmed Measure R funds outlined in executed agreement (MR330.05) in earlier years to expedite project development phases and deliver the project sooner than originally scheduled.
- C. AUTHORIZING the CEO or his designee to negotiate and execute all necessary agreements for approved projects;
- D. ADOPTING the resolution in Attachment D, authorizing the CEO or his designee to execute all Grant Agreements and any amendments thereto with the California Department of Transportation; and
- E. APPROVING time extension for 6 projects as shown in Attachment E:
  - 1. Caltrans - ITS on I-405, I-110, I-105 and SR-91 Freeway Ramp/Arterial Signalization (MR312.11)
  - 2. City of Hermosa Beach - PCH Improvements between Anita St. and Artesia Boulevard (MR312.05)
  - 3. City of Redondo Beach - PCH Arterial Improvements from Anita St to Palos Verdes Boulevard. (MR312.06)

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4. City of Redondo Beach - Aviation Boulevard at Artesia Boulevard Intersection Improvements (MR312.20)
  5. City of Inglewood - Inglewood Phase four ITS projects (MR312.12)
  6. City of Lawndale- Inglewood Ave from 156<sup>th</sup> to I-405 Southbound On-Ramp Improvements. (MR312.15)
  7. City of Agoura Hills - Palo Camado Interchange (MR311.03)

## **ISSUE**

The Measure R Highway Subregional Program update allows the Highway Program and each subregion or lead agency to revise the order and budgets of the proposed Measure R Highway Program implementation and delivery plan subregional projects. 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 serve as the basis for Metro to enter into agreements with the respective implementing agencies.

## **DISCUSSION**

The Measure R Expenditure Plan included the following Highway Capital Project Subfunds:

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

These Highway Capital Projects are not fully defined in the Measure R Expenditure Plan. Project definition, development, and implementation of specific projects with independent utility are done through collaborative efforts by Metro's Highway Program staff, the subregional authorities/Councils of Government for the subfund, the project sponsor, and Caltrans for projects on their facilities.

At the June 2016 Board meeting, revised project lists and funding allocations for the Highway Capital Subfunds were approved. This update revises and recommends changes requested by each subregion.

Highway Program staff is working closely with each subregion and lead agency to identify and deliver Highway Operational Improvements Projects. The changes included in this update are an additional \$13 million in programming to support 5 projects - new or existing - as detailed 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 list provide highway operational benefits and meet the highway operational

and ramp/interchange improvements definition approved by the Board.

### **Highway Operational Improvements in Arroyo Verdugo Subregion**

The updated list includes funding adjustments for current projects recommended by the Arroyo Verdugo Subregion. Through Measure R, the subregion has completed 10 projects and expended \$20 million. Additionally, the subregion currently has 12 active projects in various phases of project development.

#### **City of Glendale**

- **MR310.12** - *Glendale Freeway Ramps/Space 134*

*The City of Glendale is not pursuing the project with Measure R Highway Operational funds (the project did not start and no funds were spent on the Project).*

*Deobligate \$93,000 in prior years and \$200,000 in FY 2015-16. The revised project budget is \$0. The project list will be revised and this project will be deleted.*

- **MR310.30** - *North Brand Boulevard Rehabilitation (SR-134 to Mountain Street)*

*The City of Glendale is not pursuing the project with Measure R Highway Operational funds (the project did not start and no funds were spent on the project).*

*Deobligate \$1,000,000 in FY17-18. The revised project budget is \$0. The project list will be revised and this project will be deleted.*

- **MR310.27** - *Verdugo Wash: Cycle Track*

*The City of Glendale is not pursuing the project with Measure R Highway Operational funds (the project did not start and no funds were spent on the Project).*

*Deobligate \$50,000 in prior years, \$300,000 in FY 2015-16 and \$58,000 in FY 2016-17. The revised project budget is \$0. The project list will be revised and this project will be deleted.*

- **MR310.37** - *Verdugo Boulevard (Verdugo Road to E'ly City Boundary)*

*This an approved Measure R project, however the City of Glendale has down scoped their original project to only two intersection improvements 1) Verdugo at Valihi Way and, 2) Verdugo Blvd at SR-2 on/off ramps.*

*Deobligate \$400,000 in prior years. The revised project budget is \$600,000.*

- **MR310.02** - *Glendale Traffic Signal Installations and Modifications*

*Program \$1,200,000 in FY 2017-18. The total project budget is \$1,200,000.*

*This project will install new traffic signals at the intersection of Pacific Ave and Glenwood, and the intersection of San Fernando Rd at Goodwin Ave-Los Angeles Street and will modify the existing signals at Chevy Chase Drive at Central Ave and Honolulu Ave at La Crescenta Ave. This project will improve traffic progression and enhance safety of these intersections. Existing obsolete equipment will be replaced including signal and pedestrian indications, safety lighting, signal and safety lighting poles and mast arms, vehicle and bicycle detectors, signal controllers and fiber optic communication and equipment that enable signal timing coordination.*

Measure R Nexus to Highway Operational Definition

*The project is an eligible project in the traffic signal upgrade category of the Highway Operational Improvements.*

- MR310.26 - Traffic Signal Modifications at I-210 on/off ramps at Pennsylvania Ave.

*Program \$400,000 in FY 2016-17. The total project budget for the project is \$400,000.*

*This project will be constructed as a part of a street rehabilitation project that includes new roadway overlay, median, curb and gutter and driveway improvements in which the traffic signal components are being separated in the Engineer's Estimate. The street rehabilitation components are being funded with non-Measure R funds. This project will modify existing traffic signals at I-210 and Pennsylvania Ave on/off-ramps. Existing equipment will be replaced including signal and pedestrian indications, safety lighting, signal and safety lighting poles and mast arms, vehicle and bicycle detectors, signal controllers and fiber optic communication and equipment that enable signal timing coordination.*

Measure R Nexus to Highway Operational Definition

*The project is an eligible Highway Operational Improvements on/off ramp improvement project with traffic signal upgrades.*

- MR310.28- Construction of Class II and III bike lanes and facilities, Phase 2

*Program \$165,000 in FY 2016-17. The total project budget is \$165,000.*

*This project will be constructed as a part of a street maintenance contract. The bike lane components have been itemized and an engineer's estimate has been provided. The bike lane components will consist of: installation of new striping and signing for bike lanes and bike routes (including wayfinding signs). The project will help improve bicycle safety and increase bike awareness on Harvey Dr., Adams St., California Ave., Lexington Dr., Geneva St., Stocker St., and Ethel St.*

Measure R Nexus to Highway Operational Definition

*The project is an eligible project in the bike lanes category of the Highway Operational Improvements.*

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The subregion's project list, detailed in Attachment A, totaling \$61.174 million, does not exceed the \$64 million forecast to be available for the subregion over FY11-20.

### **Highway Operational Improvements in the Las Virgenes/Malibu Subregion**

The updated project list includes funding adjustments for current projects recommended and approved by the Las Virgenes-Malibu Subregion. To date, through Measure R, the subregion has completed 6 projects and expended \$72.3 million. Additionally, the subregion currently has 14 active projects in various phases of project development.

The subregion is recommending the updated project list detailed in Attachment A, totalling \$141,851.

#### **City of Aguora Hills**

- **MR311.05** - *Aguora Road Widening Project*

*Program an additional \$1,500,000 in FY16-17. The revised total project budget is \$33,500,000.*

*Due to unforeseen and newly required environmental mitigation costs, longer than expected right-of-way acquisition time for 22 parcels, utility undergrounding/relocation costs and the installation of fiber optic, the engineers construction cost estimate has increased. This project is currently in Construction and is scheduled to be completed in Fall of 2016.*

Provide time extension to one Measure R project. The project currently has lapsed funds. Schedule delay justification is detailed in Attachment E.

#### **MR311.03** - *Palo Comado Interchange*

#### **City of Malibu/County of Los Angeles**

- **MR311.11** - *Pacific Coast Highway (PCH) Signal System Improvements from John Tyler Drive to Topanga Canyon Blvd.*

*Program an additional \$10 million in various fiscal years, \$2,500,000 in FY16-17, \$3,000,000 in FY17-18, and \$4,500,000 in FY18-19. The revised project budget is \$13.7 million.*

*This is an existing Measure R Project. The County of Los Angeles, in collaboration with the City of Malibu, is contributing a portion of Los Angeles County's proportional share of the Measure R Highway Operational Improvement funds in the Las Virgenes/Malibu subregion to the project. This project will upgrade 12 signalized intersections on PCH over approximately 8 miles and install changeable message signs, fiber optic communication lines, signal phasing, close circuit television cameras and adaptive traffic control systems.*

- **MR311.29** - *Pacific Coast Highway Regional Traffic Message System (CMS)*

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*Program an additional \$2 million in various fiscal years, \$500,000 in FY16-17 and \$1,000,000 in FY17-18 and \$500,000 in FY18-19. The revised project budget is \$2.5 million.*

*This is an existing Measure R Project. The County of Los Angeles, in collaboration with the City of Malibu, is contributing a portion of Los Angeles County's proportional share of the Measure R Highway Operational Improvement funds in the Las Virgenes/Malibu subregion to the project. This project will install additional CMS signs along Kanan Dune Road, Las Virgenes Road and SR-1 (PCH). The CMS signs would provide advanced notice of roadway/traffic conditions and detours to inform motorist and mitigate incident delay providing alternate routes and improving operational efficiency along PCH and the arterials.*

The Las Virgenes Malibu Subregion has been aggressive in programming Measure R funds. To date the subregion has spent \$72 million, or 56 percent of their programmed Highway Operational Improvements in the Las Virgenes/Malibu Subregion.

The subregion's project list, detailed in Attachment A, has programmed \$141.851 million

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

The proposed revised project list includes funding adjustments for current projects recommended by the South Bay Council of Governments. To date, through Measure R, the subregion has completed 13 projects and expended \$52 million. The subregion currently has 29 active projects in various phases of project development.

#### **Hawthorne**

- **MR312.61** - Hawthorne Blvd Arterial Improvements, from 120<sup>th</sup> Street to 111<sup>th</sup> Street.

*Amend the existing project limits of Hawthorne Blvd from 120<sup>th</sup> St. to 111<sup>th</sup> St. to, Hawthorne Blvd. from 126<sup>th</sup> St. to 111<sup>th</sup> St. The revised project limits include two additional signalized intersections on Hawthorn Blvd; at West Broadway, and at 120<sup>th</sup> St.*

Provide time extensions to 6 measure R projects listed below. Each project currently have lapsed funds. Schedule delay justifications are detailed in Attachment E.

- **MR312.11** - ITS on I-405, I-110, I-105 and SR-91 Freeway Ramp/Arterial Signalization.
- **MR312.05** - PCH Improvements between Anita St. and Artesia Blvd.
- **MR312.06** - PCH Arterial Improvements from Anita St to Palos Verdes Blvd.
- **MR312.20** - Aviation Boulevard at Artesia Boulevard Intersection Improvements
- **MR312.12** - Inglewood Phase 4 ITS projects
- **MR312.15** - Inglewood Ave. from 156<sup>th</sup> St. to I-405 Southbound On-Ramp Improvements.

The subregion's project list, detailed in Attachment A, totals \$233.024 million.

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## **State Route 138 Capacity Enhancements**

The project list for State Route 138 Capacity Enhancements includes funding adjustments and the addition of one new project. To date, through Measure R, the subregion has completed 2 projects and invested \$19 million in local improvements and has 11 active projects.

### **Metro**

- **MR330.01** - SR-138 Northwest PA/ED (I-5 to SR-14)

*Deobligate \$2,600,000 from FY16-17 and \$3,000,000 from FY17-18.*

*The draft environmental document for this project was released on 8/5/16. The Final EIR/EIS will be completed by Spring 2017. Funds have been committed to complete the environmental phase of this project. Measure R funds not required to complete the final EIR/EIS will be deobligated and reprogrammed into a near shovel ready SR-138 (Segment 6) project.*

- **MR330.12** - SR-138 Segment 6 - 87<sup>th</sup> St. to 96<sup>th</sup> St.

*Program \$5.6 million in FY18-19 for construction capital of the SR-138 Segment 6 project.*

*Due to a shortfall in available Statewide transportation funds in May 2016, the CTC took an action to delete RIP funds previously programmed for Segment 6 construction capital. To complete a continuous 4 lane highway from 77<sup>th</sup> St to 190<sup>th</sup> St. on SR-138, Caltrans and Metro are reprioritizing available funding for this project. This project will widen SR-138 from two to 4 lanes. Environmental and Final design are completed and the project is currently in right of way acquisition. Funds for this project will be used for construction capital with a scheduled completion date of Fall 2018. Caltrans requested funding for this project as shown in Attachment C.*

### **Measure R Nexus to Highway Operational Definition**

*This is State Highway widening project, which will improve operations, traffic flow, and safety on SR-138.*

The subregion's project list, detailed in Attachment A, totals \$200 million.

## **I-605 Corridor "Hot Spots" Interchanges**

The proposed revised project list includes adjustments in funding for one current project. To date, through Measure R, the subregion has invested \$25 million in local improvements and has 21 active projects.

The I-605/SR-91/I-405 Technical Advisory Committee (TAC) is recommending the revised project list detailed in Attachment A totaling \$191 million.

The project list adjustments are as follows:

County of Los Angeles

- MR315.23 Carmenita - Telegraph Road Intersection Improvement Project

*Program an additional \$600,000 in FY16-17. The revised project budget is \$1,400,000.*

*Revised intersection and median design, concrete pavement extensions and the need for asphalt paving to repair damaged pavement resulted in a cost escalation. The County is requesting additional funds to complete the project.*

The subregion's project list, as detailed in Attachment A, totals \$191.650 million.

**I-710 South and/or Early Action Projects**

The proposed revised project list includes adjustments in schedules and funding for current projects and the addition of one new project within the Gateway Cities. To date through Measure R, the subregion has invested \$66 million in local improvements and has 21 active projects.

The I-710 South Technical Advisory Committee and the I-710 South Project Committee are recommending the revised project list, as detailed in Attachment A.

City of Bell

- MR306.37 - Eastern Ave at Bandini Rickenbacker Project

*Reprogram \$155,000 from FY20-21 to FY16-17. The total project budget is \$155,000.*

*The City of Bell was awarded a Goods Movement Improvements grant in the 2015 Call For Projects cycle. Measure R funds are being used as the local match to 2015 Call For Projects award. To align the Measure R funds with Call For Project funds - which are available in FY17 - we are reprogramming the funds to an earlier fiscal year.*

Metro

- MR306.38 - Sustainable Transportation Planning Grant/ I-710 Livability Initiative

*Program \$64,780 in FY16-17 as match to a \$500,000 Sustainable Transportation Planning Grant awarded to Metro by Caltrans to perform an evaluation of potential complete street improvements along the arterial highway network that supports the I-710 corridor. This evaluation will target parallel and intersecting arterials (within one mile of the I-710). The Caltrans Grant agreement requires a Board resolution before the funds are claimed. The resolution is included in Attachment D.*



Measure R Nexus to Highway Operational Definition

*This is a supplemental analysis that will augment the I-710 Early Action Program. Proposed potential improvements may complement or could be implemented in advance of the I-710 Corridor Improvements.*

The subregion's project list, as detailed in Attachment A, totals \$142.176 million.

**DETERMINATION OF SAFETY IMPACT**

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

**FINANCIAL IMPACT**

Funding for the Highway projects is from the Measure R 20% Highway Capital Subfund earmarked for the 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 FY17 budget. These three programs are under Cost Center 0442 in Account 54001 (Subsidies to Others).

Funding for the SR-138 Project Approval and Environmental Document (September 2012 Board Action) is included in the FY17 budget under project No. 461330, Cost Center 4720 in Account 50316. The remaining funds are distributed from the Measure R 20% Highway Capital Subfund via funding agreements to Caltrans, and the Cities of Palmdale and Lancaster under Cost Center 0442 in (Project No. 460330), Account 54001 (Subsidies to Others).

Funding for Projects in the I-605 Corridor "Hot Spots" (Project No. 460314) and I-710 Early Action Projects (Project No. 460316) are included in the FY17 budget.

Moreover, programmed funds are based on estimated revenues. Since each MRSHP is a multi-year program with various projects, the cost center managers and the Senior Executive Officer of the Highway Program will be responsible for budgeting the costs in current and future years. Adjustments in programmed funds, as necessary, will be made for future years if required.

Impact to Budget

The source of funds for these projects is Measure R 20% Highway. This fund source is not eligible for Bus and Rail Operations or Capital expenses and will have no impact to the FY17 Budget.

**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 the 2009 L RTP adoption and may delay the development and delivery of projects.

**NEXT STEPS**

Metro Highway Program staff will continue to work with the subregions to identify new and deliver existing projects. As work progresses, updates will be provided to the Board on a semi-annual basis and as necessary.

**ATTACHMENTS**

Attachment A - Measure R Highway Subregional Project List

Attachment B - City of Lancaster Request

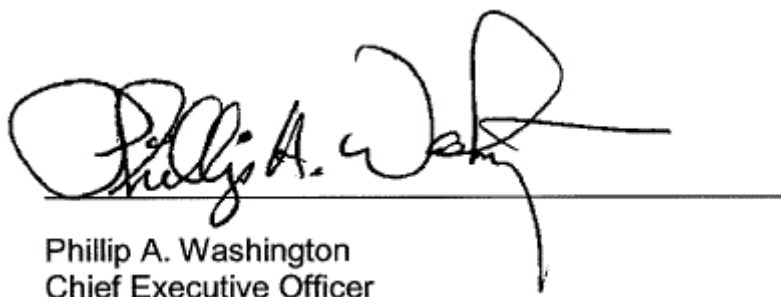
Attachment C - SR-138 Segment 6 Request Caltrans

Attachment D - Resolution Sustainable Transportation Grant

Attachment E - Measure R Extension List

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Phillip A. Washington  
Chief Executive Officer

ATTACHMENT A

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

(Programmed Dollars in Thousands)

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

**ATTACHMENT A**

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

ATTACHMENT A

Measure R Highway Operational Improvements Project List  
Las Virgenes/Malibu Operational Improvements

(Programmed Dollars in Thousands)

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

ATTACHMENT A

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

(Programmed Dollars in Thousands)

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

**ATTACHMENT A**

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

**ATTACHMENT A**

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



**ATTACHMENT A**

**Measure R Highway Operational Improvements Project List**

**SR-138 Capacity Enhancements**

*(Programmed Dollars in Thousands)*

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

**ATTACHMENT A**

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

*(Programmed Dollars in Thousands)*

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

**ATTACHMENT A**

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

**ATTACHMENT A**

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

**ATTACHMENT A**

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

*(Programmed Dollars in Thousands)*

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

**ATTACHMENT A**

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

**ATTACHMENT A**

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



R. Rex Parris Mayor  
Marvin E. Crist Vice Mayor  
Ken Mann Council Member  
Angela E. Underwood-Jacobs Council Member  
Raj Malhi Council Member  
Mark V. Bozigian City Manager

October 10, 2016

Ayokunle Ogunrinde, P.E.  
Senior Manager, Transportation Planning  
Program Management – Highway Programs  
METRO  
One Gateway Plaza, MS 99-22-09  
Los Angeles, California 90012

RE: Measure R SR-138 Capacity Enhancements Program  
City of Lancaster - Funding Agreement Modification Request – Avenue L (MR330.05)

The City of Lancaster requests that the Avenue L Funding Agreement be modified to better match the project requirements.

- 1) The original allocation of funds did not provide for an adequate amount of funding to complete the project planning and environmental documentation in the years that are currently anticipated.
- 2) The City is interested in initiating the PA&ED phase prior to the current allocation schedule. This allocation change will allow the City to continue to expedite project delivery including PA&ED and Design.
- 3) The original funding FY allocation provides for a total of \$300,000 in FY's 15-16 and 16-17. In order to continue with the project development and initiate the Environmental Document (PA&ED), the City is requesting that the funding allocation be revised to allow additional funds earlier, which will allow the City to continue with project development without delay. We understand that this amendment requires Board Action.
- 4) The \$5,000,000 total allocation is sufficient to complete all phases of the project.
- 5) The \$3,000,000 revised allocation in FY 19-20 is sufficient to construct the project.

With this revised allocation, the City will be able to proceed with the project development without waiting for additional funding in FY17-18 per the original schedule approved by the Board (see enclosed Attachment B).



Description	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	Total Allocation
<b>Original</b> SR-138(SR-14) Ave L I/C	\$200,000	\$100,000	\$900,000	\$0	\$3,800,000	\$5,000,000
<b>Proposed</b> SR-138(SR-14) Ave L I/C	\$200,000	<b>\$600,000</b>	\$900,000	\$0	<b>\$3,300,000</b>	\$5,000,000

The City appreciates that Metro wants to expedite project delivery and this change will help the City move forward with these very important project improvements in an expedited fashion.

Please let me know if you have any questions regarding this request or if you need any additional information.

Sincerely,



Marissa Diaz, P.E.  
Capital Program Manager

- cc: Mark Bozigian, City Manager
- Jason Caudle, Deputy City Manager
- Jeff Hogan, Development Services Director
- Robert Blume, Kimley-Horn & Associates

**DEPARTMENT OF TRANSPORTATION**

DISTRICT 7

100 S. MAIN STREET, SUITE 100

LOS ANGELES, CA 90012

PHONE (213) 897-0362

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*Serious Drought.  
Serious drought.  
Help save water!*

September 29, 2016

Mr. Abdollah Ansari  
Managing Executive Officer  
Los Angeles County Metropolitan Transportation Authority  
One Gateway Plaza  
Los Angeles, CA 90012

Dear Mr. Ansari:

This letter is in reference to the construction capital and support components budget of Segment 6, EA286201 and Segment 13, EA286301 of the State Route 138 Corridor Widening Project.

In October 2012, Metro and Caltrans executed a funding agreement that allocated \$51.6 million for the construction capital and support components of the two projects in Regional Improvement Program (RIP) funding. The agreement also allocated \$24.30 million in Federal Regional Surface Transportation Program (RSTP) funding for various components of the two projects.

The CTC has deleted the previously programmed RIP construction related funding for both Segments in its May 2016 meeting, so Metro and Caltrans staff met to discuss the corridor funding priorities. It was agreed to attempt to fully fund Segment 6 construction capital and support components utilizing unspent RSTP funding balance realized after halting all Segment 13 RSTP funded components. Of the \$18.10 million in RSTP allocated to Segment 13, Caltrans identified a total of \$11.10 million that can be transferred to Segment 6 construction capital and support components.

Caltrans also identified \$3.0 million of savings in the RIP right of way (R/W) capital component of Segment 13 that can be transferred to backfill the RSTP funding gap in the R/W support component of the same Segment via a STIP amendment subject to CTC action. With this transfer of funding between the capital and support components of Segment 13, the R/W acquisition phase activities will be fully funded.

Attached is a funding chart that shows the prior and proposed funding plan with the changes mentioned above for your use. According to this chart, \$5.6 million of additional funding will be needed to fully fund the construction capital and support components of Segment 6.

Since most of the R/W parcels that are needed for Segment 6 are being acquired through the condemnation process, it is important to fully fund the construction phase as soon as possible. Upon executing the necessary funding agreement amendment to transfer the funds as agreed and also identifying the shortfall funding source, Caltrans will be able to set a begin construction date for Segment 6 and the R/W acquisition activities will continue as planned for Segment 13.

Please contact Osama Megalla, Project Manager at 213-897-0520 if you have any question(s) or need additional information regarding this letter.

Sincerely,



Robert So  
Deputy District Director  
Division of Program and Project Management

CC: Wil Ridder, LA Metro  
Toye Oyewole, LA Metro  
Ayokunle Ogunrinde  
Osama Megalla, Caltrans  
Jimmy Shih, Caltrans  
Leah Shepard, Caltrans

28620 Seg 6		29350 Seg 9		28630 Seg 13	
55.2/56.2		58.5/60.2 comb w/ seg 8		LA138-66.0/70.0, LA18-0.0/1.0	
RTL 1/19/16 FY16	Proposed Program	RTL 01/05/15 FY15	Proposed Program	RTL 10/15/15 FY16	Proposed Program
PA&ED	0	PA&ED	0	PA&ED	0
PS&E	3,500	PS&E	2,100	PS&E	6,000
R/W Support	1,600	R/W Support	3,000	R/W Support	6,500
Cons. Support	3,700	Cons. Support	2,185	Cons. Support	6,500
R/W Capital	5,600	R/W Capital	7,700	R/W Capital	7,000
Const. Capital	13,000	Const. Capital	9,018	Const. Capital	36,000
<b>TOTAL</b>	<b>27,400</b>	<b>TOTAL</b>	<b>24,003</b>	<b>TOTAL</b>	<b>62,000</b>

RIP - State Cash (ST-CASH, NH, Augmentation)		RIP - State Cash (ST-CASH, NH, Augmentation)		RIP - State Cash (ST-CASH, NH, Augmentation)	
PA&ED	Proposed Program	PA&ED	Proposed Program	PA&ED	Proposed Program
PS&E		PS&E		PS&E	
R/W Support		R/W Support		R/W Support	
Cons. Support	4,500	Cons. Support	2,185	Cons. Support	3,000
R/W Capital		R/W Capital	5,200	R/W Capital	6,500
Const. Capital	4,500	Const. Capital	9,018	Const. Capital	9,500
<b>TOTAL</b>	<b>4,500</b>	<b>TOTAL</b>	<b>16,403</b>	<b>TOTAL</b>	<b>9,500</b>

RSTP		RSTP		RSTP	
PA&ED	Proposed Program	PA&ED	Proposed Program	PA&ED	Proposed Program
PS&E		PS&E		PS&E	
R/W Support		R/W Support		R/W Support	
Cons. Support	1,900	Cons. Support	3,000	Cons. Support	4,000
R/W Capital	2,900	R/W Capital	12,000	R/W Capital	3,000
Const. Capital	7,800	Const. Capital	10,700	Const. Capital	2,500
<b>TOTAL</b>	<b>12,600</b>	<b>TOTAL</b>	<b>25,700</b>	<b>TOTAL</b>	<b>7,000</b>

Metro Local Funds		Metro Local Funds		Metro Local Funds	
PA&ED	Proposed Program	PA&ED	Proposed Program	PA&ED	Proposed Program
PS&E		PS&E		PS&E	
R/W Support		R/W Support		R/W Support	
Cons. Support	2,500	Cons. Support	1,100	Cons. Support	3,000
R/W Capital	2,500	R/W Capital	1,100	R/W Capital	7,500
Const. Capital	7,600	Const. Capital	6,200	Const. Capital	51,759
<b>TOTAL</b>	<b>7,600</b>	<b>TOTAL</b>	<b>6,200</b>	<b>TOTAL</b>	<b>62,259</b>

To be Funded (Estimate base on current cost 8/11/11)		To be Funded (Estimate base on current cost 8/11/11)		To be Funded (Estimate base on current cost 8/11/11)	
PA&ED	Proposed Program	PA&ED	Proposed Program	PA&ED	Proposed Program
PS&E		PS&E		PS&E	
R/W Support		R/W Support		R/W Support	
Cons. Support	0	Cons. Support	0	Cons. Support	3,000
R/W Capital		R/W Capital		R/W Capital	7,500
Const. Capital	0	Const. Capital	0	Const. Capital	51,759
<b>TOTAL</b>	<b>0</b>	<b>TOTAL</b>	<b>0</b>	<b>TOTAL</b>	<b>62,259</b>

**Los Angeles County Metropolitan Transportation Authority**

**Board Resolution**

WHEREAS, the Sustainable Transportation Planning Grant Program was created by the California Department of Transportation (Caltrans) to ensure consideration of sustainability, preservation, mobility, safety, innovation, economy, health, and equity in transportation planning; and

WHEREAS, Metro is eligible to receive State funding through the Sustainable Transportation Planning Grant Program; and

WHEREAS, Metro was awarded a \$500,000 Sustainable Transportation Planning Grant in FY 2016-2017 from Caltrans for the 710 Livability Initiative for Complete Streets and Active Transportation Sustainability Effort; and

WHEREAS, the Metro Board has approved \$64,780 in local funds to be programmed as match for the Grant funds in FY 17'; and

WHEREAS, a Restricted Grant Agreement is needed to be executed with the California Department of Transportation before such funds can be claimed through the Transportation Planning Grant Programs; and

WHEREAS, Metro wishes to delegate authorization to execute this agreement and any amendments thereto necessary to receive any funds under the Transportation Planning Grant Programs to the Chief Executive Officer or his designee.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Los Angeles County Metropolitan Transportation Authority that:

1. The Chief Executive Officer (CEO) or his designee is authorized to execute all Restricted Grant Agreements and any amendments thereto with the California Department of Transportation.

CERTIFICATION

The undersigned, duly qualified and serving as Secretary of the Los Angeles County Metropolitan Transportation Authority, certifies that the foregoing is a true and correct representation of a Resolution adopted at a legally convened meeting of the Board of Directors of the Los Angeles County Metropolitan Transportation Authority held December 8, 2016.

\_\_\_\_\_  
MICHELLE JACKSON  
Metro Board Secretary

DATED: \_\_\_\_\_

**MEASURE R EXTENSION LIST AS OF JUNE 30, 2016  
(\$000)**

PROJECT NUMBER	LEAD AGENCY	PROJECT	LAPSING FUNDS	LAPSING PROG YR	TOTAL PROG \$ TO BE LAPSED	TOTAL EXPEN \$ TO DATE	AMOUNT SUBJECT TO LAPSE	REC'D EXT YR(S)	REASON FOR EXT	NEW REVISED LAPSED DATE
MR312.11	Caltrans	Intelligent Transportation System(ITS) on Interstate I-405, I-110, I-105, and SR-91 Freeway Ramp/Arterial Signalized Intersections	Mea. R	2016	5,000	2,185	2,814	1	2	6/30/2017
MR312.05	Hermosa Beach	PCH (SR1) Improvements btwn Anita St and Artesia Ave	Mea. R	2016	304	91	213	1	1	6/30/2017
MR312.06	Redondo Beach	PCH Arterial Impr frm Anita St. to Palos Verdes Blvd	Mea. R	2016	1,400	20	1380	1	1	6/30/2017
MR312.20	Redondo Beach	Aviaton Blvd at Artesia Blvd Intersection Improvements	Mea. R	2016	847	80	767	1	1	6/30/2017
MR312.12	Inglewood	Inglewood Intelligent Transportation System Phase IV	Mea. R	2016	300	27	273	1	1	6/30/2017
MR312.15	Lawndale	Inglewood Ave frm 156th St. to I-405 Southbound On-Ramp improvements	Mea. R	2016	100	38	62	1	3	6/30/2017
MR311.03	Aguora Hills	Palo Comado Interchange	Mea. R	2016	2,000	1,600	400	1	1	6/30/2017
Total					\$9,951	\$4,041	\$5,909			

- |  |
|--|
| <p><b>1. Project delay due to unforeseen and extraordinary circumstances beyond the control of the project sponsor (federal or state delay, legal challenges, third party coordination issues, act of God, etc);</b></p> <p><b>2. Project is contractually obligated, however, a time extension is needed to complete construction that is already underway (capital projects only);</b></p> <p><b>3. Project delay due to Metro action that results in a change in project scope, schedule, or sponsorship that is mutually agreed.</b></p> |
|--|