



Board Report

File #: 2018-0006, File Type: Program

Agenda Number: 8.

AD HOC CONGESTION, HIGHWAY AND ROADS COMMITTEE  
APRIL 11, 2018

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

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

**RECOMMENDATION**

CONSIDER:

- A. APPROVING \$20.841 million of additional programming within the capacity of the Measure R Highway Subregional Programs and funding changes via the updated project list, as shown in Attachment A for:
  - Highway Operational Improvements in Arroyo Verdugo
  - Highway Operational Improvement in Las Virgenes Malibu
  - I-405, I-110, I-105 and SR-91 Ramp and Interchange Imp. (South Bay)
  - I-605 Corridor “Hot Spots” Interchange Imp. In Gateway Cities
  - I-710 South and/or Early Action Projects in Gateway Cities
- B. AUTHORIZING the CEO or his designee to negotiate and execute all necessary agreements for approved projects

**ISSUE**

The Measure R Highway Subregional Program update allows the Highway Program and each subregion or lead agency to revise delivery priorities and amend project budgets for the implementation of the Measure R Highway subregional projects. The attached updated project lists include projects which have already received prior Board approval, as well as proposed changes related to schedules, 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
- Highway Operational Improvements in Las Virgenes Malibu
- I-405, I-110, I-105 and SR-91 Ramp and Interchange Imp. (South Bay)
- I-605 Corridor “Hot Spots” Interchange Imp. In Gateway Cities
- I-710 South and/or Early Action Projects in Gateway Cities
- State Route 138 Capacity Enhancements in North County

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

At the October 2017 Board meeting (File#2017-0573), revised project lists and funding allocations for the Highway Capital were approved. This update recommends changes requested by each subregion.

The changes in this update include \$20.841 million in additional programming for 35 projects which are either new or existing, in four subregions - Arroyo Verdugo, Las Virgenes Malibu, Gateway Cities and South Bay - as detailed in Attachment A. Highway Program staff will continue to work closely with each subregion and/or lead agency to identify and deliver Highway Operational Improvement Projects.

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 definition approved by the Board.

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

The subregion had listed 44 projects to be funded by Measure R Subregional Funds. Of those, 11 projects have been completed. The subregion has invested \$29.3 million of their funds in projects. The 22 active projects are in planning, design, or construction phases. This funding adjustments to 3 existing projects recommended as follows:

#### **City of Glendale**

- Allow design phase work to be reimbursed as eligible expenses for MR310.04 - Grandview and Sonora Ave at-grade Rail Crossing Improvements. The effective date of eligible design work expenses was July 1, 2009, the first collection date of Measure R Sales Taxes. This modification will allow project charges for both design and construction to be eligible expenses for the project. Total expenses for both phases of work are within the life of project budget.
- Program an additional \$370,000 for MR310.13 - Glendale Narrows Bikeway Project. Funds will be programmed in FY18 for a total programmed budget of \$1,246,500. Required coordination with LA County and the U.S. Army Corps of Engineers to obtain construction permits caused significant delays at the beginning of construction, which resulted in escalation

in construction bid item costs.

- Allow design phase work to be reimbursed as eligible expenses for MR310.18 - Sonora Ave. At-grade Rail Safety Upgrade. The effective date of eligible design work expenses was July 1, 2009, the first collection date of Measure R Sales Taxes. This modification will allow project charges for both design and construction to be eligible expenses for the project. Total expenses for both phases of work are within the life of project budget.
- Program an additional \$250,000 for MR310.37 - Verdugo Blvd Traffic Signal Modifications at Vahili Way and SR-2. The \$250,000 will be programmed in FY19, adding to the current \$600,000 budget. The revised project budget is \$850,000. The current signal design required additional roadway modifications. As a result, the construction bids received were higher than the original engineers estimate.
- Program an additional \$250,000 for MR310.41 - Doran St. (from Brand Blvd. to Adams St). The funds will be programmed in FY19 for a total project budget of \$1,450,000. Construction bids for the project came in higher than the engineer's estimate and additional funds are required for construction.
- Reprogram funding for MR310.43 - Verdugo Road Street Improvements Project (Traffic Signal Modification). Move the \$585,000 in previous years programming to FY20. Also, change the title to Verdugo Road Traffic Signal Modifications. While the city will incorporate non traffic signal work in the construction contract the city will provide a segregated estimate to isolate the Measure R work from the non-measure R work.

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

The subregion had listed 22 projects to be funded by Measure R Subregional Funds. Of those, 9 projects have been completed. The subregion has invested \$94.8 million of their funds in projects. The 11 active projects are in planning, design, or construction phases. This update includes funding adjustments to 4 projects as follows:

#### **City of Agoura Hills**

- Deobligate \$350,000 for MR311.05 - Agoura Road Widening. The revised project budget is \$36,500,000. Funds are being deobligated due to construction capital cost saving. The city desires to reprogram the deobligate funds to another city project MR311.14 - The Kanan Road Overpass Expansion Project Study Report (PSR).
- Program an additional \$350,000 in FY18 for MR311.14 - Kanan Road Overpass (PSR) to cover the anticipated cost of the consultant contract. The additional funds will be programmed in FY18. The revised project budget is \$500,000. Moreover, the project title will be revised to "Kanan Road Corridor from Thousand Oaks Blvd. to Cornell PSR" to reflect the modified project limits.

City of Calabasas

- Deobligate \$500,000 from MR311.20 - Off-ramp for US 101 at Las Virgenes Road. The revised project budget is \$0. The city had programmed funds to improve the operations at the off-ramp as mitigation measure to handle anticipated increases in traffic volumes due to construction at a nearby interchange. Anticipated traffic impacts due to the adjacent project did not materialize and the city no longer wants to move forward with this project. The executed funding agreement for the project will be canceled.
- Program an additional \$2,500,000 for MR310.06 - Lost Hills Overpass and Interchange. The funds will be programmed in FY18 and the revised project budget is \$35,500,000. \$2,000,000 of the additional funding for the project is from the Las Virgenes Malibu Subregion and \$500,000 is from the deobligation of project funds for MR311.20. Design changes are driving change orders which have resulted in construction cost growth.

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

The subregion had listed 77 projects to be funded by Measure R Subregional Funds. Of those, 11 projects have been completed. The subregion has invested \$65.5 million of their funds in projects. The 33 active projects are in planning, design, or construction phases. This update includes 10 new projects and funding adjustments to 4 existing projects recommended as follows:

Metro

- Program an additional \$281,000 in FY18 for MR312.55 - Feasibility Study on I-405 from I-110 to I-105 and I-105 from I-405 to I-110. The total revised project budget is \$881,000. Funds are being added to the project to cover the full cost of the Project Study Report. Additionally, the project title will be revised to reflect the correct project limits (PSR on I-405 from El Segundo Blvd to Artesia Blvd).

Caltrans

- Program \$150,000 for Caltrans IQA reviews of the I-405 PSR from El Segundo Blvd to Artesia Blvd. Caltrans, as the owner operator of the state highways, will review and approve the PSR being prepared for I-405 and requires compensation for their staff time.

County of Los Angeles

- Deobligate \$14,756,700 from MR312.16 - Del Amo Blvd Improvements Project. The revised project budget is \$307,000. The project was completed and a final invoice was submitted for reimbursement. Total invoices for the project at this time are \$306,104.42. Staff will audit and close out the project. The excess funds are being reprogrammed into other projects which will commence work in the coming fiscal year.

City of Hawthorne:

- Program \$1,995,000 for the Imperial Highway Signal Improvements and Intersection Capacity Project from Prairie Ave to Inglewood Ave. The funds will be programmed over 4 fiscal years, FY19, FY20, FY21 and FY22. The total project budget is \$1,995,000. Imperial Highway is a major east-west parallel arterial to I-105 and carries over 34,000 vehicles daily. This project will widen the intersections of Imperial Highway at Hawthorne Blvd, Inglewood Ave, and Freeman Ave to provide additional turning movements. The traffic signals will also be upgraded within the project limits.

Measure R NEXUS to Highway Operational Definition: This is Highway eligible Highway Operational Improvement project which will widen intersections on Imperial Highway and upgrade traffic signals and timing within the project limits. Improvements on Imperial Highway will improve traffic flow, enhance intersection capacity, public transit efficiency and pedestrian safety.

- Program \$3,200,000 for the Rosecrans Ave Signal Improvements and intersection capacity enhancements project over 4 fiscal years FY19, FY20, FY21 and FY22. The total project budget is \$3,200,000. Rosecrans Ave is a major east-west arterial which provides access to I-405 and carries approximately 70,000 vehicles per day. This project will widen the intersections of Rosecrans at Isis Ave, Inglewood Ave, and Prairie Ave to provide additional turning movements. The traffic signals will also be upgraded within the project limits.

Measure R NEXUS to Highway Operational Definition: This is Highway eligible Highway Operational Improvement project which will widen intersections on Imperial and upgrade traffic signals and timing within the project limits. Improvements on Rosecrans Ave will improve traffic flow, enhance intersection capacity, public transit efficiency and pedestrian safety.

- Program \$2,000,000 for El Segundo Boulevard Improvements Project (Phase I) from Van Ness Ave. to Aviation Blvd. The funds will be programmed over 4 fiscal years FY19, FY20, FY21, and FY22. The total project budget is \$2,000,000. El Segundo Ave is a major east-west arterial which provides direct access to I-405 and carries approximately 45,000 vehicles per day. This project will widen the intersections of El Segundo at Van Ness Ave and Isis Ave to provide additional turning movements. The traffic signals will also be upgraded within the project limits.

Measure R NEXUS to Highway Operational Definition: This is Highway eligible Highway Operational Improvement project which will widen intersections on El Segundo Blvd and upgrade traffic signals and timing within the project limits. Improvements on El Segundo Blvd will improve traffic flow, enhance intersection capacity, public transit efficiency and pedestrian safety.

- Program \$600,000 for the El Segundo Blvd at I-405 North Bound and South Bound on/off ramp improvements. The funds will be programmed over 3 fiscal years FY19, FY20 and FY21. The total project budget is \$600,000. El Segundo Blvd is a major east-west arterial which

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provides direct access to I-405 and carries approximately 45,000 vehicles per day. This project will environmentally clear and develop preliminary designs for intersection improvements at the I-405 at El Segundo on/off ramps and at intersections of El Segundo Blvd at La Cienega Blvd and Ocean Gate Ave.

Measure R NEXUS to Highway Operational Definition: This is an eligible Highway Operational Improvement project which will widen intersections on El Segundo Blvd at the I-405 on/off ramps and upgrade traffic signals and timing within the project limits. Improvements on El Segundo Blvd will improve traffic flow, enhance intersection capacity, public transit efficiency and pedestrian safety.

City of Inglewood

- Program \$80,000 for the La Cienega Boulevard Signal Synchronization Project between Hill St. and Arbor Vitae St. The funds will be programmed in FY19. The total project budget is \$80,000. La Cienega Blvd is a major north-south arterial which provides direct access to I-405 and carries approximately 85,000 vehicles a day. This project will design and implement traffic signal improvements and develop AM peak, mid-day, PM peak coordination plans for each intersection on La Cienega within the project limits.

Measure R NEXUS to Highway Operational Definition: This is an eligible Highway Operational Improvements project which will improve traffic flow and reduce congestion by developing morning, mid-day, and afternoon traffic signal coordination on La Cienega Boulevard.

- Program \$130,000 for the Arbor Vitae Signal Synchronization Project from Aviation Blvd to Prairie Ave. The funds will be programmed in FY19. The total project budget is \$130,000. Arbor Vitae is a major east-west arterial which provides access to I-405, carries 23,000 vehicles a day and experiences delays during peak AM and PM traffic hours. This project will design and implement signal improvements and develop AM, mid-day and PM peak traffic coordination plans for each signalized intersection on Arbor Vitae.

Measure R NEXUS to Highway Operational Definition: This is an eligible Highway Operational Improvements project which will improve traffic flow and reduce congestion by developing morning mid-day and afternoon traffic coordination plan on Arbor Vitae.

- Program \$255,000 for the Florence Ave Signal Synchronization Project from Manchester Blvd. to High St. The funds will be programmed in FY19. The total project budget is \$255,000. Florence Avenue is a major east-west arterial which provides direct access to I-405 and carries approximately 35,000 vehicles a day and experiences delays during the am and pm peak traffic hours. This project will design and implement signal improvements and develop, AM, mid-day and PM peak traffic coordination plans on Florence Ave.

Measure R NEXUS to Highway Operational Definition: This is an eligible Highway Operational Improvements project which will improve traffic flow and reduce congestion by developing morning mid-day and afternoon traffic coordination plan on Arbor Vitae.

- Deobligate \$1,000,000 from MR312.12 - Intelligent Transportation System (ITS): City of Inglewood Phase IV Master Plan. The revised project budget is \$2,500,000. Funds are being deobligated due to project scope items being reduced and bids coming in below the conceptual project estimate. Additionally, the construction contract has been awarded and the project will be completed within the revised project budget.

#### City of Los Angeles

- Program \$3,580,000 for the Alameda St. Widening Project - East Side Improvements Project. The total project budget for Project Development, Design and ROW is \$3,580,000. Alameda St. is a major north-south arterial which provides direct access to SR-1, SR-47 and the Ports of Los Angeles and Long Beach. Alameda St. experiences delays during the AM and PM peak traffic hours. This project will widen Alameda to a Major Class II Highway from Anaheim St to 300 ft. south of PCH.

Measure R NEXUS to Highway Operational Definition: This is an eligible Highway Operational Improvement project which will widen Alameda St to a Class II Highway for improved capacity and operation.

#### Port of Los Angeles

- Program an additional \$2,930,000 for MR312.32 the SR-47/Vincent Thomas Bridge and Front St./Harbor Boulevard Interchange Reconfiguration Project. The funds will be programmed over two fiscal years FY19 and FY20. The total revised project budget for PAED/PS&E is \$3,830,000.

#### City of Redondo Beach

- Program \$992,000 for Kingsdale Ave and Artesia Boulevard Intersection improvement project. The funds will be programmed in FY19. The total project budget is \$992,000. Kingsdale Ave is a north south arterial which provides direct access to the Redondo Beach Transit Center, The South Bay Galleria, Artesia Blvd, and SR-107. This project will fund construction of dual right turn lane on Kingsdale Ave.

Measure R Nexus to Highway Operational Definition: This is an eligible Highway Operational Improvement project which will widen the intersection of Kingsdale Ave at Artesia Blvd to reduce congestion and improve mobility on major arterials.

#### City of Torrance

- Project limits revision for MR312.60 - Del Amo Blvd to Dominguez Street Improvements. The City recently advertised a construction contract and bids came in higher than the original estimated cost for the project. To complete the project, will down scope the proposed improvements. The revised project limits will be Crenshaw Blvd at the intersection of 208<sup>th</sup> St.

and Torrance Transit Center. There is no impact to the project budget and construction is scheduled to start in summer of 2018.

- Program \$2,784,000 for the Plaza del Amo at Western Ave (SR-213) Mobility Enhancements Project. The funds will be programmed over 4 fiscal years FY18, FY19, FY20 and FY21. Plaza del Amo between W 223<sup>rd</sup> St and S.Western Ave is not utilized as through street and restricts access to SR-213. This project will provide a new east-west route between 223<sup>rd</sup> and Western Ave.

Measure R NEXUS to Highway Operational Definition: This is an eligible Highway Operational Improvement project which will provide additional roadway capacity and operational improvements by filling a gap in the local arterial street system.

### **I-605 Corridor “Hot Spots” Interchanges**

The Gateway Cities subregion had listed 54 projects to be funded by Measure R Subregional Funds, investing \$71.8 million of their funds in projects. The 37 active projects are in planning, design, or construction phases. This update includes 2 new projects and adjustments to 6 existing projects recommended by the SR-91/I-605/I-405 Technical Advisory Committee as follows:

#### Gateway Cities COG

- Program an additional \$800,000 for MOU.306.03 - Gateway Cities Council of Governments Engineering Support Services. The revised project budget has increased from \$300,000 to \$1,100,000. Funds will be programmed as follows: \$900,000 in Prior Years and \$200,000 in FY19. The revised budget is \$1,100,000. The programming of additional funds is to cover support services required and to equally cost share expenditures between the I-710 Early Action Projects and the I-605 Hot Spots programs. The additional funds will cover only 1 year of work, through April 30, 2019.

#### City of Bellflower

- Program an additional \$1,132,800 for MR315.16 - Bellflower Blvd at Artesia Blvd Intersection Improvement Project. The funds will be programmed in FY18. The revised project budget is \$8,442,800. The project budget increase is the result of changes in scope including additional property acquisition and new improvements, required by Caltrans for approval. These funds will be for the construction phase of the project.
- Program an additional \$358,000 for MR315.33 - Lakewood Blvd at Alondra Blvd Intersection Improvement Project. The funds will be programmed in FY18. The revised project budget is \$1,002,000. The project budget increase is the result of additional scope requirements, including traffic signal modifications, deeper pavements sections, and more extensive pavement replacement within the intersection.

City of Downey

- Project limits revision for MR315.14 - Lakewood Blvd at Imperial Hwy Intersection Improvements. In October 2017, board report number 2017-5373, identified the following incorrect project limits, Lakewood Blvd at Firestone Blvd Improvements. The correct project limits are Lakewood Blvd at Imperial Hwy. There is no change in funding to the project budget.
- Program an additional \$3,615,000 for MR315.27 - Lakewood Blvd at Florence Ave Intersection Improvements. Funds will be programmed as follows: \$3,615,000 in FY18. The revised budget is \$4,945,000. This project proposes to widen Lakewood Blvd in both directions by adding additional SB and NB left turn lane, and a WB right turn lane reducing the queuing during peak periods. The additional funding is for the environmental, PS&E, right-of-way acquisition, and utility relocation. The original budget was based on a planning-level estimate and did not consider required ADA clearances. Funding for construction will be requested once Final Design is completed.
- Program an additional \$1,300,000 for Lakewood Blvd at Firestone Blvd Intersection Improvements. The funds will be programmed in FY18. Lakewood Blvd, formerly State Route - 19 (SR-19), at the intersection of Firestone Blvd, experiences heavy traffic delays in morning and in the afternoon from 4-7 pm. This intersection is operating at a deficient level of service.

Measure R NEXUS to Highway Operational Definition: This project proposes intersection improvements to reduce congestion at the Lakewood Blvd and Firestone Blvd Intersection. The improvements will improve traffic flow on this major arterial. This is an eligible Measure R Highway Operational Improvement.

City of Long Beach

- Program \$1,450,000 for the Artesia Boulevard Project. The funds will be programmed in FY18. The total project cost estimate is \$22,500,000. The city has other funding totaling \$6,500,000. The funding is requested for the Preliminary Engineering and Environmental Document phase.

Measure R NEXUS to Highway Operational Definition: This project proposes operational improvements to reduce congestion along Artesia Boulevard and improve speed and reliability for general purpose traffic flow. Improving operational conditions along Artesia Blvd. will enhance conditions on arterials parallel to SR-91 and improve both safety and mobility. This is an eligible Measure R Highway Operational Improvement.

City of Norwalk

- Program \$2,000,000 for the Firestone Boulevard Widening Project. The funds will be programmed as follows: \$2,000,000 in FY18. The funding is being requested for Environmental document and preliminary Engineering Phase (PAED). This project proposes to add an additional travel lane in each direction, install Class II and III bike lanes, and reconstruct sidewalks and medians. The project cross section will reduce bottlenecks along

the Firestone corridor once the I-605 Freeway Interchange is constructed.

Measure R NEXUS to Highway Operational Definition: This eligible Highway Operational Improvement project will address operational deficiencies, improve traffic flow, and increase mobility within the region.

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

The Gateway Cities subregion had listed 16 projects to be funded by Measure R Subregional Funds. Of those, 3 projects have been completed. The subregion has invested \$75 million of their funds in projects. The 10 active projects are in planning, design, or construction phases. This update includes 1 new project and funding adjustments to 5 existing projects recommended by the I-710 Technical Advisory Committee as follows:

#### Metro

- Program an additional \$200,000 in FY19 for utility relocation design services to Southern California Edison (SCE) in support of the I-710 Soundwall Early Action Package 3 (MR306.47). The total revised programmed amount for utility relocation design of SCE is \$400,000.

#### Gateway Cities COG

- Deobligate \$600,000 for MOU.306.03 - Gateway Cities Council of Governments Engineering Support Services. Funds will be programmed in Prior Years. The revised budget is \$1,100,000. The reduction of programmed funds from the I-710 South/Early Action project list is to cost share required support services utilized for both I-605 Hots Spots Program and I-710 Early Action Project programs. Funds for engineering and support services will cover only 1 year of work, through April 30, 2019.

#### City of Bell

- Deobligate \$2,173,153 from MR306.44 - Gage Avenue Bridge Improvement Project. The programmed amount for this project will be reduced from \$2,240,000 to \$66,847. The funds are being programmed by phase and Measure R funds is being used as the local contribution to a federally awarded Highway Bridge Program (HBP) grant. The initial phase to be programmed is Project Approval and Environmental Document. The funds will be reprogrammed as follows: \$66,847 in FY19 for a total project budget of \$66,847.
- Deobligate \$2,000,112 from MR306.45 - Slauson Avenue Bridge Improvement Project. The programmed amount for this project will be reduced from \$2,040,000 to \$39,888. The funds are being programmed by phase and Measure R is being used as the local contribution to a federally awarded Highway Bridge Program (HBP) grant. The initial phase to be programmed is Project Approval and Environmental Document. The funds will be reprogrammed as follows: \$39,888 in FY19 for a total project budget of \$39,888.

### City of Bell Gardens

- Deobligate \$36,400 from MR306.30 - Eastern Avenue and Florence Avenue RSTI Project. The programmed amount for this project will be reduced from \$1,221,000 to \$1,184,713. Measure R is being used as a local match to Call for Project number F7120. Project costs have been revised to a lower amount and Measure R can only contribute a specific percentage of the total project cost. As a result, Measure R contributions have been lowered to match the revised project cost. The remaining funds will be reprogrammed as follows: \$623,044 in FY17 and \$561,669 in FY18 for a total project budget of \$1,184,713..

### City of Downey

- Program \$3,185,000 for the Paramount Boulevard/Imperial Highway Intersection Improvement Project. Funding will be programmed over two Fiscal Years: \$1,185,000 in FY19 and \$2,000,000 in FY20. The total project budget is \$3,185,000. This project includes double left-turn lanes in the southbound and westbound directions, widening along the east and west sides of Paramount Boulevard to provide sufficient width for the double left-turn lanes, the reconstruction of the raised median islands along Paramount Blvd., pavement reconstruction and rehabilitation of the intersection and approaches, modification of traffic signal, and incidental striping, signage, and pavement markings.

Measure R NEXUS to Highways Operational Definition: This project is to address current and future traffic projections reflected in the I-710 Corridor Project EIR/EIS. The Paramount Boulevard/Imperial Highway intersection is defined as a major intersection and operates at a LOS of "F" during peak hours. Paramount Boulevard and Imperial Highway are both major arterials that carry regional traffic. The project is necessary in order to alleviate congestion at the intersection by improving the LOS at the intersections to "C" and "D" during peak hours.

### Long Beach

- Program an additional \$5,500,000 for FY19 and FY20 for the Shoemaker Bridge Replacement Project (MR306.19). The funds will be re-programmed as follows: \$4,000,000 in Prior Years, \$1,500,000 in FY17, \$2,000,000 in FY19 and \$3,500,000 in FY20. The additional funding is necessary to support the finalization of the project's environmental phase, including preliminary design. The total re-programmed amount for Shoemaker Bridge Replacement Project is \$11,000,000.

### State Route 138 Capacity Enhancements

The subregion has executed 11 agreements for projects along the SR-138/SR-14 in Palmdale and Lancaster, which are in planning, design, or construction phases, and has invested \$28 million of their funds in projects.

## **DETERMINATION OF SAFETY IMPACT**

The recertification of the project list 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 FY18 budget. These three programs are in the FY18 Budget 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 FY18 budget under project No. 461330, Cost Center 4730 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 the I-605 Corridor "Hot Spots" Projects, is included in Project No. 460314, Cost Center 0442, Account 54001 (Subsidies to Others), 461314, Task 5.2.100; 462314, Task 5.2.100; 463314, Task 5.2.100; 463714, Task 5.2.100; 468314, Task 5.3.100; 469314, Task 5.3.100; 460345, Task 5.2.100; 460346, Task 5.2.100; in Cost Centers 4720 and 4730, Account 50316 (Professional Services); and for I-710 Early Action Projects, in Project No. 460316 in Cost Center 0442, Account 54001 (Subsidies to Others) and also under 462316, Task 5.2.100; 463316, Task 5.3.100; 463416, Task 5.3.100; and 463516, Task 5.3.100 in Account 50316 (Professional Services) in Cost Center 4720, are all included in the FY18 budget.

Moreover, programmed funds are based on estimated revenues. Since each MRHSP is a multi-year program with various projects, the Project Managers, the Cost Center Manager and the Senior Executive Officer, Program Management, Highway Program will be responsible for budgeting the costs in current and future years.

### **Impact to Budget**

Should additional funds be required for FY18, staff will revisit the budgetary needs using the mid-year adjustment process.

The source of funds for these projects is Measure R 20% Highway Funds. This fund source is not eligible for Bus and rail Operations or Capital expenses.

## **ALTERNATIVES CONSIDERED**

The Board may choose to not approve the revised project lists and funding allocation. 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**

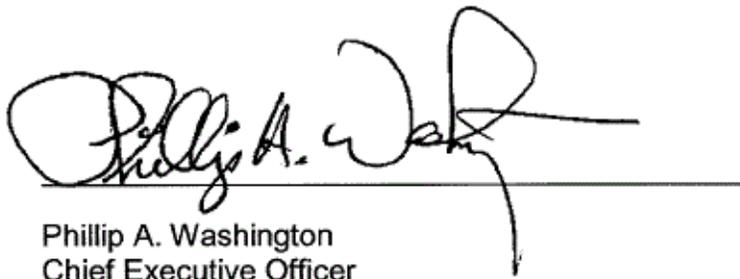
Metro Highway Program Staff will continue to work with the subregions to identify and deliver projects. As work progresses, updates will be provided to the Board on a semi-annual and as-needed basis.

**ATTACHMENT**

Attachment A - Measure R Highway Subregional Project List

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