

**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)

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 156th 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.

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)*

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 120th Street to 111th Street.

Amend the existing project limits of Hawthorne Blvd from 120th St. to 111th St. to, Hawthorne Blvd. from 126th St. to 111th St. The revised project limits include two additional signalized intersections on Hawthorn Blvd; at West Broadway, and at 120th 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 156th St. to I-405 Southbound On-Ramp Improvements.

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

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 - 87th St. to 96th 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 77th St to 190th 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

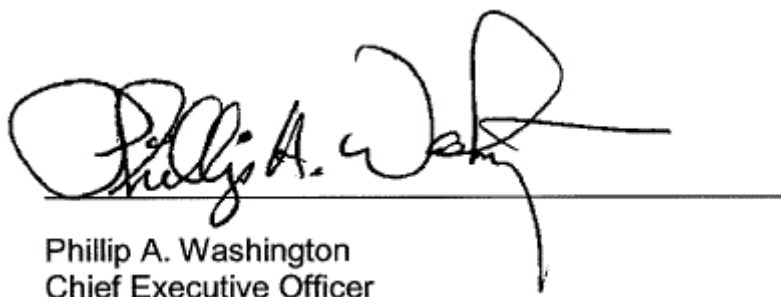
Attachment C - SR-138 Segment 6 Request Caltrans

Attachment D - Resolution Sustainable Transportation Grant

Attachment E - Measure R Extension List

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