



Board Report

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**PLANNING AND PROGRAMMING COMMITTEE
JANUARY 15, 2020**

SUBJECT: MEASURE R HIGHWAY SUBREGIONAL PROGRAM SEMI-ANNUAL UPDATE

ACTION: APPROVE RECOMMENDATIONS

RECOMMENDATION

CONSIDER:

- A. APPROVING \$109,537,000 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 Improvements (South Bay)
 - I-605 Corridor “Hot Spots” Interchange Improvements in Gateway Cities
 - I-710 South and/or Early Action Projects in Gateway Cities
- B. APPROVING deobligation of \$1,390,000 dollars of previously approved Measure R Highway Subregional Program funds for re-allocation at the request of project sponsors;
- C. AUTHORIZING the CEO or his designee to negotiate and execute all necessary agreements for the approved projects.

ISSUE

The Measure R Highway Subregional Program update approves additional eligible projects for funding and allows the Metro Highway Program and each subregion or lead agency to revise scopes and schedules and amend project budgets. This update includes projects which have received prior Board approval, changes related to schedules, scope, funding allocation for 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.

BACKGROUND

Line 31,32,33,35,37,38 and the 2008 Measure R Expenditure Plan addresses the Highway Operational Improvement Subfunds. As part of its responsibility, Metro Highway Department manages the development and implementation of subregional highway projects.

To be eligible for funding, subregional highway projects must improve traffic flow in an existing State Highway corridor by reducing congestion and operational deficiencies. Updates on progress in development and implementation of the subregional highway programs are presented to the Board twice a year.

DISCUSSION

The Measure R Expenditure Plan included the following Highway Capital Projects 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
- State Route 138 Capacity Enhancements in North County

The Subregional Highway capital projects are not fully defined in the Measure R Expenditure Plan. Eligible projects are identified by project sponsors and validated/and recommended for Board approval by Metro Highway Program staff for funding.

The changes in this update include \$109,537,000 in additional programming for 12 new and 15 existing projects in Arroyo Verdugo, Las Virgenes Malibu, Gateway Cities and South Bay subregions- as detailed in Attachment A.

A nexus determination has been completed for each new project. All projects on the attached project list provide highway operational benefits and meet the Highway Operational and Ramp/Interchange improvement definition approved by the Board.

Highway Operational Improvements in Arroyo Verdugo

The subregional list has 60 projects to be funded by Measure R Highway Subregional Funds. Of those, 16 projects have been completed. The subregion has invested \$39 million of Measure R subregional highway funds in projects. The 28 active projects are in planning, design, or construction phases. This update includes 6 new projects and funding adjustments to 4 approved projects as follows:

Burbank

- Program \$200,000 in FY21 and \$1,200,000 in FY22 for the MR310.55 - I-5 Corridor Arterial Signal Improvements Phase 3. The funds will be used for the design and construction of traffic signal system improvements at three intersections: Victory Blvd at Elmwood Dr, Magnolia Blvd

at Mariposa St, and Magnolia Blvd at Reese Pl.

Measure R NEXUS to Highway Operational Definition: The project is an eligible Highway Operational Improvement Project which will upgrade traffic signals/surveillance/detection. The three traffic signals are on two major corridors that are within one mile of the I-5 Freeway. Upon completion, the project will enable real time traffic signal changes and responsive operations will reduce vehicle hours of delay and improve traffic flow and public transit efficiency.

- Program \$250,000 in FY21 for MR310.56 - Victory Blvd and Buena Vista St Signal Synchronization. The funds will be used for the design and implementation of signal synchronization for 24 traffic signals on Victory Blvd between Buena Vista St and Alameda Ave and Buena Vista St between Glenoaks Blvd and I-5 freeway. The project will improve traffic operations on major arterials along Interstate 5.

Measure R NEXUS to Highway Operational Definition: Victory Blvd and Buena Vista St are within one mile of the I-5 freeway. Victory Blvd is used as an alternate route when the I-5 freeway is heavily congested. Buena Vista St provides direct on ramp access to the I-5 freeway. The project is an eligible Highway Operational Improvement Project. Upon completion, the project will enable signal timing changes that will reduce vehicle hours of delay; and improve traffic flow and public transit efficiency.

- Program \$350,000 in FY22 for MR310.57 - Olive Avenue and Glenoaks Boulevard Signal Synchronization Project. The funds will be used for design and implementation of signal synchronization for 39 traffic signals on Olive Avenue between Glenoaks Boulevard and Lakeside Drive and Glenoaks Boulevard between Buena Vista Street and Alameda Avenue. The project will improve traffic operations on major arterials along the State Route 134 and Interstate 5 corridors.

Measure R NEXUS to Highway Operational Definition: Olive Ave and Glenoaks Blvd are within one mile of the I-5 and SR- 134 Freeways. Glenoaks Blvd runs parallel to the I-5 Freeway and is used as an alternate route when the I-5 freeway and is heavily congested. Olive Ave provides an adjacent connection between SR-134 and the I-5. The project is an eligible Highway Operational Improvement Project. Upon completion, the project will enable signal timing changes that will reduce vehicle hours of delay; and improve traffic flow and public transit efficiency.

- Program \$250,000 in FY23 for MR310.58 - Downtown Burbank Signal Synchronization. The funds will be used for design and implementation of signal synchronization for 30 traffic signals on San Fernando Boulevard between Grismer Avenue and First Street, First Street between San Fernando Boulevard and Verdugo Avenue, San Fernando Boulevard between Magnolia Boulevard and Elmwood, Third Street between Burbank Boulevard and Verdugo Avenue. The project will improve traffic operations on three arterials parallel to Interstate 5.

Measure R NEXUS to Highway Operational Definition: All three corridors run parallel to the I-5 Freeway. The project is an eligible Highway Operational Improvement Project. Upon completion, the project will reduce vehicle hours of delay and improve traffic flow and public transit efficiency.

- Program \$500,000 in FY20 and \$1,500,000 in FY21 for MR310.59 - Burbank Los Angeles River Bicycle Bridge. The total project budget is \$2,000,000. The funds will be used for the design and construction of a bicycle and pedestrian bridge across the Los Angeles River in Burbank and Los Angeles. The project will include approximately 340 feet of Class III bike lanes on a portion of Bob Hope Drive, a new bridge structure spanning the Los Angeles River, and a short Class I bike path connecting the bridge to Forest Lawn Drive.

Measure R NEXUS to Highway Operational Definition: This is a bike path / bridge project located parallel to and within one mile of State Route 134 and is within the 20 percent share of Arroyo Verdugo Highway Operational Improvement funding eligible for bike routes and sound walls.

Glendale

- Reprogram \$100,000 from FY19 to FY 22 and \$500,000 from FY20 to FY23 for MR310.36 - Signalization at SR-2 Freeway Ramps at Holly Drive. The total programmed budget remains unchanged at \$600,000. The City has delayed implementation of the project as they need to conduct additional studies and hold stakeholder meetings.
- Program an additional \$350,000 in FY20 for MR310.37 - Verdugo Blvd Traffic Signal Modification at Valihi Way and SR-2. The total revised project budget is \$1,450,000. The city advertised the project and bids came higher than expected. The additional funds will fully fund the construction phase of the project.
- Reprogram \$150,000 from FY19 to FY 22 and \$1,050,000 from FY20 to FY23 for MR310.39 - Widening of SR-2 Freeway Ramps at Mountain Street. The total programmed budget remains unchanged at \$1,200,000. The City has delayed implementation of the project as they need to conduct additional studies and hold stakeholder meetings.
- Reprogram \$585,000 from FY20 to FY 21 and \$1,065,000 from FY21 to FY22 for MR310.43 - Verdugo Rd Street Improvements Project (Traffic Signal Modification). The total programmed budget remains unchanged at \$1,650,000. The City has delayed implementation of the project as they need to conduct additional studies and hold stakeholder meetings
- Program \$1,100,000 in FY21 for N. Verdugo Rd Traffic Signal Modifications Project. The funds will be used for the design and construction of signal systems at five intersections on Verdugo Rd: Glorietta Ave, Fern Ln, Wabasso Wy, Cresmont Ct, and Verdugo Loma Dr.

Measure R NEXUS to Highway Operational Definition: The project will enhance traffic flow, reduce delays and improve vehicular access to and from the I-210, SR-2, and SR-134 freeways from Verdugo Rd, a principal arterial roadway that carries high traffic volumes to and from the freeway on and off ramps at Mountain St to the east, Glendale Ave to the south, and Verdugo Blvd to the north. The project is an eligible Highway Operational Improvement Project. Upon completion, this project will enable real time traffic signal timing change and responsive operations which will reduce vehicle hours of delay and improve traffic flow and public transit efficiency.

Highway Operational Improvements in Las Virgenes Malibu Subregion

The subregion had listed 26 projects to be funded by Measure R Highway Subregional Funds. Of those, 11 projects have been completed. The subregion has invested \$117 million of Measure R subregional highway funds in projects. The 11 active projects are in planning, design, or construction phases. This update includes funding adjustments to 3 existing projects as follows:

Agoura Hills

- Deobligate \$550,000 from MR311.03 - Palo Comado Interchange Project. The revised project budget is \$10,450,000. This project is fully funded and currently is in construction. Funds are being deobligated to develop other Measure R projects.
- Program an additional \$350,000 in FY20 for MR311.04 - Kanan/Agoura Road Intersection. The total revised project budget is \$1,150,000. The funds will be used to complete the design phase of the project.
- Program an additional \$200,000 in FY20 for MR311.05 - Agoura Road Widening. The total revised project budget is \$36,700,000. The funds will be used to complete the construction phase of the project by providing additional funds for the oak tree mitigation for the project.

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

The subregion had listed 80 projects to be funded by Measure R Highway Subregional Funds. Of those, 19 projects have been completed. The subregion has invested \$90 million of Measure R subregional highway funds in projects. The 60 active projects are in planning, design, or construction phases. This update includes funding adjustments to 4 existing projects as follows:

Carson

- Metro will manage and complete the design for MR312.41 - Traffic Signal Upgrades at 10 intersections and MR312.46 - Upgrade Traffic Control Signals at the Intersection of Figueroa St and 234th St. and Figueroa and 228th St. Metro will be added as a co-lead agency for

project development, as requested by the City of Carson.

Caltrans

- Program an additional \$70,000 in FY20 for MR312.78 - I-405 IQA Review for PSR (Main St. to Wilmington). The revised project budget is \$150,000. The additional funds are required for Caltrans IQA reviews of the I-405 PSR.

Hawthorne

- Program \$600,000 in FY20 for MR312.81 - 120th St Improvements - Crenshaw Blvd to Felton Ave. The funds will be used to complete the Project Approval & Environmental Document (PA&ED), Plans Specification, and Estimates (PS&E) and Right of Way phases of the project.

Measure R NEXUS to Highway Operational Definition: This is an eligible Highway Operational Improvement which would create new turning movements on 120th Street reducing delays and enhancing traffic flow on this local collector street. The project includes turning lanes at 120th Street at Hawthorne Blvd, 120th Street at Prairie, 120th Street at I-105 Ramps, and 120th Street and Crenshaw Blvd.

Inglewood

- Deobligate \$384,000 from MR312.50 - ITS: Phase V Communication Gap Closure on Various Locations, ITS Upgrade and Arterial Detection. The City will use Prop C local return funds as the 20% matching funds requirement.

Lomita

- Program an additional \$79,000 in FY20 for MR312.43 - Intersection Improvements at PCH/Walnut St. & Western Ave/PV Drive North. The revised project budget is \$1,585,000. The additional funds are required due to redesign to accommodate additional Caltrans requirements that were requested during construction.

I-605 Corridor “Hot Spots” Interchanges

The Gateway Cities subregion had listed 42 projects to be funded by Measure R Highway Subregional Funds. Of those, 3 projects have been completed. The subregion has invested \$126 million of Measure R subregional highway funds. The 39 active projects are in planning, design, or construction phases. The update includes 4 new projects and funding adjustments to 7 existing projects as follows:

Metro

- Program an additional \$4,899,000 in FY21 for AE5204200 - I-605/SR-60 PAED. The revised

project budget is 38,899,000. The funds are being programmed to match the Board-approved contract amount.

- Program an additional \$8,026,000 in FY20 for AE33341001375 - I-605/I-5 PAED. The revised project budget is \$28,724,000. The funds are being programmed to match the Board-approved contract amount.
- Program \$20,000,000 over three fiscal years FY21, FY22, FY23 for MR315.02 - I-605 South St Improvements (Construction). The total construction budget is \$20,000,000. Plans, Specifications and Estimates are complete and funds are being programmed to commence the construction phase of the project.
- Program an additional \$4,506,000 in FY20 for MR315.37 - SR-91 Central to Acacia Improvements Project. The revised project budget is \$5,006,000. The funds are being programmed to match the Board-approved contract amount for the project.
- Program an additional \$150,000 in FY20 for MR315.63 - SR-60 at 7th Avenue Interchange Improvements. The revised project budget is \$2,250,000. The funds are being programmed to match the Board-approved contract amount for the project.
- Program an additional \$150,000 in FY20 for MR315.73 - I-605 Valley Blvd Interchange Improvements. The revised project budget is \$2,209,900. The funds are being programmed to match the Board-approved contract amount for the project.
- Program \$11,475,000 in FY20 for MR315.74 - WB SR-91 Alondra Blvd. to Shoemaker Ave. Improvement Project. The funds will be used to complete the Plans, Specifications, and Estimates and Right of Way phase of the project.
Measure R NEXUS to Highway Operational Definition: This project proposes modifications to SR-91 which will reduce congestion and improve freeway and local interchange operations. The improvements are eligible under Measure R Highway Operational Improvements.

Los Angeles County

- Program \$700,000 in FY21 for MR306.01 - Whittier Boulevard (Indiana Street to Paramount Boulevard) Corridor Project (Call Match - CFP F9304). The funds will be used to complete the Plans, Specifications, and Estimates (PS&E) and Construction phases of the Project. The project is located within the I-710 and SR-91/I-605/I-405 corridors, therefore the Measure R Local Match funds have been programmed to equally cost share expenditures between the I-710 and I-605 Hot Spots programs. This project had previously received Metro Board approval in January 2015 and was inadvertently removed from the project list.

Measure R NEXUS to Highway Operational Definition: The Project will provide operational improvements along the Whittier Boulevard Corridor between Indiana Street and Paramount Boulevard and will be implemented on 6.2 miles in the Cities of Pico Rivera, Montebello,

Commerce, and unincorporated areas of Los Angeles County. Proposed improvements include TSS, ITS improvements, equipment upgrades to detection systems and CCTV cameras, expansion to the ATMS, and communications to the IEN, all of which will reduce congestion and enhance traffic circulation. This project is eligible under Measure R Highway Operational Improvements.

Lakewood

- Program \$300,000 in FY20 for MR315.01 - Lakewood Boulevard at Hardwick Street Traffic Signal Improvements. The funds will be used to complete the Plans, Specifications, and Estimates (PS&E) and Construction phases of the Project.

Measure R NEXUS to Highway Operational Definition: The Project will provide traffic signal improvements at Lakewood Boulevard at Hardwick Street. Proposed improvements include a second northbound left turn lane at Lakewood Boulevard and Hardwick Street and traffic signal improvements. This project is an eligible Measure R Highway Operational Improvements.

Pico Rivera

- Deobligate \$456,250 from MR315.05 - Rosemead Blvd. & Beverly Blvd Interchange Improvements Project. The revised project budget is \$13,479,000. The project estimates for ROW have been reduced. Funds are being deobligated to match current project estimates.

I-710 South and/or Early Action Projects

The Gateway Cities subregion had listed 20 projects to be funded by Measure R Highway Subregional Funds. Of those, 4 projects have been completed. The subregion has invested \$125 million of Measure R subregional highway funds. The 13 active projects are in planning, design, or construction phases. The update includes 2 new projects and funding adjustments to 2 existing projects as follows:

Metro

- Program an additional \$7,975,000 in Prior Years for PS4340-1939 - I-710 Corridor Project (PA/ED). The revised project budget is \$40,495,931. The funds are being programmed to match the Metro board approved contract amount.
- Program an additional \$500,000 in FY 19-20 for MR306.02 - I-710 Soundwall Package 2, North of SR-91 to the SR-60. The total revised project budget is \$4,948,400. The funds will be used to complete the Right of Way (ROW) and Construction phase of the project. The ROW includes acquiring Temporary Construction Easements (TCE's) prior to the construction phase of the project. Including
- Program \$45,000,000 in FY 19-20, FY 20-21 and FY 21-22 for MR306.04 - I-710 Soundwall

Package 3, South of SR-91. The funds will be used to complete the Right of Way and Construction phase of the Project. The ROW includes acquiring Temporary Construction Easements (TCE's) prior to the construction phase of the project.

Measure R NEXUS to Highway Operational Definition: This is a soundwall project, an eligible highway operational improvement.

Los Angeles County

- Program \$300,000 in FY20 and \$400,000 in FY21 for MR306.01 - Whittier Boulevard (Indiana Street to Paramount Boulevard) Corridor Project (2015 Call Match - CFP F9304). The funds will be used to complete the Plans, Specifications, and Estimates (PS&E) and Construction phases of the Project. The project is located within both the I-710 and SR-91/I-605/I-405 corridors, therefore the Measure R Local Match funds have been programmed to equally cost share expenditures between the I-710 and I-605 Hot Spots programs. This project had previously received Metro board approval in January 2015 and was inadvertently removed from the project list.

Measure R NEXUS to Highway Operational Definition: The Project will provide operational improvements along the Whittier Boulevard Corridor between Indiana Street and Paramount Boulevard and will be implemented on 6.2 miles in the Cities of Pico Rivera, Montebello, Commerce, and unincorporated areas of Los Angeles County. Proposed improvements include TSS, ITS improvements, equipment upgrades to detection systems and CCTV cameras, expansion to the ATMS, and communications to the IEN, all of which will reduce congestion and enhance traffic circulation. This project is eligible under Measure R Highway Operational Improvements.

State Route 138 Capacity Enhancements

The North Los Angeles County subregion had listed 11 projects to be funded by Measure R Highway Subregional Funds. Of those, 1 project has been completed. The subregion has invested \$40 million of Measure R subregional highway funds. The 10 active projects are in planning, design, or construction phases. Metro Highway Program staff will work with the North County jurisdictions to fully fund their existing 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 reference transportation facilities.

FINANCIAL IMPACT

Approval of Recommendation A will not require an FY20 Budget amendment at this time. Highway project management staff will monitor the respective projects and adjust funding as required to meet

project needs within the Adopted FY20 Highway budget. Funding for the projects is from the Measure R 20% Highway Capital Subfund earmarked for the subregions. FY20 funds are allocated for Arroyo Verdugo (Project No.460310), Las Virgenes Malibu (Project No. 460311), and South Bay (Project No. 460312) subregions in FY 20 budget. These three programs are budgeted under Cost Center 0042 in Account 54001 (Subsidies to Others).

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 allocated to Project No. 460314, Cost Centers 4720, 4730 & 0442, Account 54001 (Subsidies to Others) and account 50316 (Professional Services); 461314, Task 5.2.100; 462314, Task 5.2.100; 463314, Task 5.2.100; 460345, Task 5.2.100; 460346, Task 5.2.100; 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 FY20 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

Upon Approval of recommendations, staff will rebalance the approved FY20 budgets to fund the identified priorities. Should additional funds be required for FY20 period, staff will revisit the budgetary needs using the quarterly and mid-year adjustment processes.

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.

IMPLEMENTATION OF STRATEGIC PLAN GOALS

All projects listed in this update are consistent with the following goals of the Metro Vision 2028 Strategic Plan:

Goal 1: Provide high-quality mobility options that enable people to spend less time traveling by alleviating the current operational deficiencies and improving mobility along the highways.

Goal 4: Transform LA county through regional collaboration by partnering with the various Subregions to identify the needed improvements and take the lead in development and implementation of their projects.

ALTERNATIVES CONSIDERED

The Board may choose to not approve the revised project lists and funding allocation. However, this option is not recommended as all projects are consistent with the Board's policies and Measure R Guidelines supporting improved mobility in Los Angeles County.

NEXT STEPS

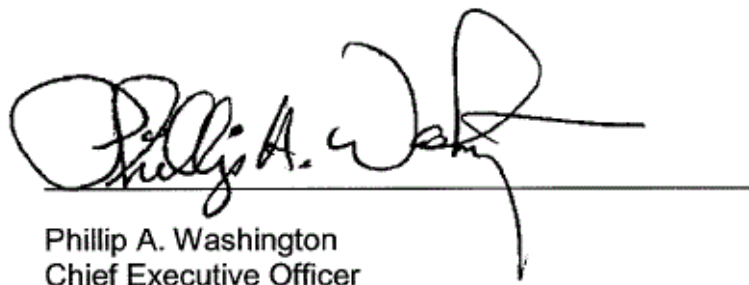
Metro Highway Program Staff will continue to work with the subregions to identify and deliver projects. Program/ Project updates will be provided to the Board on a semi-annual and as-needed basis.

ATTACHMENT

Attachment A - Projects Receiving Measure R Funds

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