



Board Report

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Agenda Number: 6.

AD HOC CONGESTION, HIGHWAY, AND ROADS COMMITTEE JUNE 19, 2019

SUBJECT: MEASURE R HIGHWAY SUBREGIONAL PROGRAM SEMI-ANNUAL UPDATE

ACTION: APPROVE RECOMMENDATIONS

RECOMMENDATION

CONSIDER:

- A. APPROVING \$8,384,000 dollars 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. DEOBLIGATING \$26,993,000 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 allows the Metro 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 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.

BACKGROUND

Lines 31, 32, 33, 35, 37, 38 of the 2008 Measure R Expenditure Plan addresses Highway Operational Improvement subfunds. The Highway Department in Program Management develops and environmentally clears highway projects with these subfunds and also manages grants to jurisdictions and coordinates with each of the subregions and eligible grant recipients.

To be eligible for funding, project must improve traffic flow in an existing State Highway corridor by reducing congestion and operational deficiencies at spot locations or segments. Updates on progress in development and implementation of the subregional highway programs are presented to the Board twice a year and on as-needed basis.

Performance of completed projects funded by highway subregional funds will be reported to the Board at set milestones.

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

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

The changes in this update include \$8,384,000 million in additional programming for 12 new and 22 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 of the 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 49 projects to be funded by Measure R Highway Subregional Funds. Of those, 16 projects have been completed. The subregion has invested \$33 million of Measure R subregional highway funds in projects. The 24 active projects are in planning, design, or construction phases. This update includes 1 new projects and funding adjustments to 4 existing projects as follows:

Glendale

- Program an additional \$250,000 in FY19 to MR310.37 - Verdugo Blvd Traffic Signal Mods at Valihi Way and SR-2. The total revised project budget is \$1,100,000. The city advertised the project and bids came in higher than the engineer's estimate. The additional funds will fully fund the construction phase of the project.
- Program an additional \$1,065,000 in FY21 to MR310.43 - Verdugo Rd. Street Improvements Project (Traffic Signal Modification). The total revised project budget is \$1,650,000. The city has updated their engineers estimate based on other recently advertised projects with similar scope. Additional funds are necessary to complete Plans, Specifications, and Estimates (PS&E) and Construction of the project.
- Program an additional \$1,200,000 in FY20 to MR310.49 - Traffic Signal Modification and Upgrades on Honolulu Ave. The total revised project budget is \$3,000,000. The city has updated their engineers estimate based on other recently advertised projects with similar scope. Additional funds are necessary to complete Plans, Specifications, and Estimates (PS&E) and Construction of the project.
- Program an additional \$300,000 in FY20 to MR310.52 - Traffic Signal Improvements at Chevy Chase Dr/California Ave. The total revised project budget is \$2,500,000. The city has updated their engineers estimate based on other recently advertised projects with similar scope. Additional funds are necessary to complete Plans, Specifications, and Estimates (PS&E) and Construction of the project.
- Program \$1,650,000 in FY20 for MR310.54 Traffic Signal Modifications on La Crescenta Ave and San Fernando Rd. The total project budget is \$1,650,000. The funds will be used to complete Plans, Specifications, and Estimates (PS&E) and Construction of the project.

Measure R NEXUS to Highway Operational Definition: This project proposes modifications to the existing signal system which will reduce delays and improve vehicular access to and from the I-5, I-210, SR-2 and SR-134 freeways from La Crescenta Ave and San Fernando Road, both principal arterial roadways. The improvements are eligible under Measure R Highway Operational Improvements.

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 \$110 million of Measure R Subregional highway funds in projects. The 12 active projects are in planning, design, or construction phases. This update includes funding adjustments to 2 projects as follows:

Malibu

- Program an additional \$1,200,000 in FY20 for MR311.24 - Malibu/Civic Center Way Widening. The total revised project budget is \$5,200,000. Updated estimates from the city showed an

increase in construction costs for the project. The city is using deobligated funds from MR311.29 to provide the additional funds necessary to complete construction and project close out.

- Deobligate \$1,200,000 from MR311.29 - PCH Regional Traffic Message System (CMS). Due to a proposed scope change, the project can reduce \$1,200,000 of the estimated project cost. The revised project cost is \$1,300,000. The city desires to reprogram the deobligated funds to MR311.24.

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

The subregion had listed 79 projects to be funded by Measure R Highway Subregional Funds. Of those, 15 projects have been completed. The subregion has invested \$84 million of Measure R Subregional highway funds. The 57 active projects are in planning, design, or construction phases. This update includes 4 new project and funding adjustments to 6 existing projects as follows:

Metro

- Program an additional \$3,300,000 in FY20 for MR312.30 - I-405 Improvements from I-105 to Artesia Blvd. The revised project budget is \$4,181,000. The Project Study Report (PSR) was completed in Oct 2018. The additional funds will be used to start and complete the Project Approval and Environmental Document (PA&ED) phase of the project.
- Program an additional \$3,600,000 in FY20 for MR312.55 - I-405 Improvements from I-110 to Wilmington. These funds will be used to complete the Project Study Report and Project Approval and Environmental Document Phases of the project.
- Deobligate \$170,000 from the PSR Phase of the Western Ave. (SR-213) improvements project from Palos Verdes Drive North to Gardena. This project is no longer being pursued for early development phases. No expenditures were incurred for the project.
- Deobligate \$170,000 from the PSR Phase of the PCH (SR-1) improvement project from the Eastern Boundary of Carson to the Eastern Boundary of Torrance. This project is no longer being pursued for early development phases. No expenditures were incurred for the project.

Caltrans

- Deobligate \$6,980,000 from MR312.24 - I-110 Aux lane from SR-91 to Torrance Blvd & I-405/I-110 Connector. The revised project budget is \$8,120,000. This project is fully funded and currently is in construction. Funds are being deobligated to develop other I-405 Improvements.
- Program \$80,000 in FY19 for MR312.78 - I-405 IQA Review for PSR (Main St to Wilmington). Metro will be procuring services for an I-405 PSR. Caltrans requires reimbursement for IQA services rendered for PSR reviews.

Carson

- Program \$1,000,000 in FY20 for MR312.80 - 223rd St. Improvements. The total project budget is \$1,000,000 for construction. 223rd St is classified as a major highway, comprised of 4 lanes (2 eastbound and 2 westbound) and provides access to the I-405 Wilmington on/off ramps. Street maintenance items outside of the proposed project widening will be paid for by other city funds.

Measure R Nexus to Highway Operational Definition: This project proposes to widen approximately 1000ft on the South Side of 223rd street, east of S. Wilmington Ave.

Gardena

- Program \$144,000 in FY20 for MR312.79 - Traffic Signal Installation at Vermont Ave. and Magnolia Ave. The total project budget is \$144,000. The funds will be used to complete the Project Approval & Environmental Document (PA&ED) and Plans, Specifications, and Estimates (PS&E) phases of the Project.

Measure R NEXUS to Highway Operational Definition: This is a traffic signal improvement project which will create a safer, more efficient way for vehicles to cross Vermont Ave. on Magnolia Ave. and/or 157th to access the I-110 Freeway. This is an eligible Highway Operational Improvement which would reduce delays and enhance traffic flow.

Redondo Beach

- Program \$300,000 in FY20 for MR312.38 - Pacific Coast Highway (PCH) at Anita St Intersection Improvements (Westbound left and right turn lane). The total project budget is \$300,000. The funds will be used to complete the Project Approval & Environmental Document (PA&ED) and Plans, Specifications, and Estimates (PS&E) phases of the Project.

Measure R NEXUS to Highway Operational Definition: This is an eligible Highway Operational Improvement which would reduce delays and enhance traffic flow at the intersection of PCH and Anita Street, two key arterials. The project would extend the right turn lane and the center median of Anita Street to increase queuing space for the westbound left turn lane.

Torrance

- Program \$500,000 in FY20 for MR312.63 - Pacific Coast Highway (PCH) at Crenshaw Boulevard Intersection Improvement. The total project budget is \$500,000. The funds will be used to complete the Project Study Report (PSR) phase of the project to evaluate existing deficiencies and proposed modification to add through and turn lanes, modifications to traffic signal, utilities and right-of-way needs.

Measure R NEXUS to Highway Operational Definition: This is an eligible Highway Operational Improvement which would reduce delays and enhance traffic flow at the intersection of PCH and Crenshaw Boulevard. Improvements would provide operational benefits to Crenshaw

Blvd, a major north-south arterial, as well as Pacific Coast Highway.

I-605 Corridor “Hot Spots” Interchanges

The Gateway Cities subregion had listed 39 projects to be funded by Measure R Highway Subregional funds. Of those, 2 projects have been completed. The subregion has invested \$118 million of Measure R Subregional highway funds. The 37 active projects are in planning, design, or construction phases. This update includes funding adjustments adjustments to 8 existing projects as follows:

Metro

- Deobligate \$14,500,000 from MR315.50 - Freeway Early Action Projects (PA&ED & PS&E). The funds will be used to fund other I-605 Hot Spot early action projects that are currently in environmental or design.
- Program \$2,308,100 in FY20 for MR315.72 - Whittier Intersection Improvements. The City of Whittier has requested that Metro deliver the project due to lack of staffing. Metro previously completed the PA&ED for this project. Services will be procured for Plans, Specifications & Estimates. Funds deobligated from MR315.44 and MR315.45 are funding this project.

Gateway Cities COG

- Program an additional \$450,000 in FY20 for MOU.306.03 - Gateway Cities Council of Governments Engineering Support Services. The revised project budget is \$1,550,000. The programming of additional funds is to cover Gateway Cities Council of Government engineering support services for three years. The expenditures are equally shared between the I-710 Early Action Projects and the I-605 Hot Spots programs. The additional funds will extend the funding agreement end date to April 30, 2022.

Long Beach

- Deobligate \$800,000 from MR315.68 - Atherton Bridge & Campus Connection. The funds were the local match for CFP F9532. The City of Long Beach received ATP funding and the CFP funds were deobligated by the Metro Board on July 27, 2017.

Pico Rivera

- Program an additional \$5,461,250 in FY19 for MR315.05 - Rosemead Blvd. & Beverly Blvd. Intersection Improvements Project. The total revised project budget is \$13,935,250. The funds will be used to cover additional Right-of-Way (ROW) and construction costs.
- Program an additional \$433,500 in FY19 for MR315.09 - Rosemead Blvd. & Whittier Blvd Intersection Improvements Project. The total revised project budget is \$1,821,500. During the Plans, Specifications, and Estimates (PS&E) phase of the Project, Construction costs were

reevaluated and subsequently increased. The funds will be used to complete the PS&E and Construction phases of the project.

- Program an additional \$706,000 in FY19 MR315.19 - Rosemead Blvd. & Slauson Ave. Intersection Improvements Project. The total revised project budget is \$2,901,000. During the Plans, Specifications, and Estimates (PS&E) phase of the Project, construction costs were reevaluated and subsequently increased. The additional funds will be used to PS&E and Construction phases of the project.
- Program an additional \$13,000 in FY19 MR315.21 - Rosemead Blvd. & Washington Blvd. Intersection Improvements Project. The total revised project budget is \$53,000. During the Plans, Specifications, and Estimates (PS&E) phase of the Project, construction costs were reevaluated and subsequently increased. The additional funds will be used to complete PS&E and Construction phases of the project.

Santa Fe Springs

- Program an additional \$3,200,000 in FY19 for MR315.42 - Florence Ave. Widening Project, from Orr & Day Rd. to Pioneer Blvd. The total revised project budget is \$3,800,000. The additional funds will be used to complete the Construction phase of the project.

Whittier

- Deobligate \$785,100 from MR315.44 - Whittier Blvd Intersection Improvements at Santa Fe Springs Rd. The revised project budget is \$1,585,900. The City of Whittier has requested that Metro deliver the project due to lack of staffing. Metro previously completed the PA&ED for this project. Services will be procured for Plans, Specifications & Estimates (PS&E).
- Deobligate \$1,523,000 from MR315.45 - Whittier Intersection Improvements at Painter Ave. The revised project budget is \$2,750,000. The City of Whittier has requested that Metro deliver the project due to lack of staffing. Metro previously completed the PA&ED for this project. Services will be procured for Plans, Specifications & Estimates (PS&E).

I-710 South and/or Early Action Projects

The Gateway Cities subregion had listed 18 projects to be funded by Measure R Highway Subregional Funds. Of those, 4 projects have been completed. The subregion has invested \$118 million of Measure R Subregional highway Funds. The 13 active projects are in planning, design, or construction phases. This update includes 6 new project and funding adjustments to 2 existing projects as follows:

Gateway Cities COG

- Program an additional \$450,000 in FY20 for MOU.306.03 - Gateway Cities Council of Governments Engineering Support Services. The revised project budget is \$1,550,000. The programming of additional funds is to cover Gateway Cities Council of Government

engineering support services for three years. The expenditures are equally cost shared between the I-710 Early Action Projects and the I-605 Hot Spots programs. The additional funds will extend the funding agreement end date to April 30, 2022.

Metro

- Program \$865,000 in FY20 for MR306.59 - Imperial Hwy. Capacity Enhancements Project. On October 25, 2018, the Metro Board approved MR306.54 - Imperial Hwy. Corridor Capacity Enhancements Project in the City of Lynwood. The City of Lynwood has requested that Metro deliver the Project due to lack of staffing resources. Metro will procure services for Project Approval & Environmental Document (PA&ED) and Plans, Specifications, & Estimates (PS&E) phases of this Project.
- Extend the lapsing date for MR306.5B - SCE Third Party Support for I-710 Corridor Project EIR/EIS from June 30, 2018 to December 31, 2019. The extension will allow SCE to provide support during the Advanced Preliminary Engineering phase of the I-710 South Corridor Improvement Project.

Commerce

- Program \$1,500,000 in FY19 for MR306.45 - Atlantic Blvd. Improvements Project. The total project budget is \$1,500,000. The funds will be used to complete the Construction phase of the Project.

Measure R NEXUS to Highway Operational Definition: This is an eligible Highway Operational Improvement Project which will improve operations and reduce congestion on Atlantic Blvd. between Washington Blvd. and Como St. Atlantic Blvd. is a major north-south arterial providing regional arterial connection between I-710 and I-5 where there is currently no north to south freeway connector. The project will provide a new traffic signal, install raised medians, and improve the southbound Atlantic Blvd. left-turn lane onto Washington Blvd.

Downey

- Scope and funding revision for MR306.42 - Firestone Blvd. Improvements Project (Old River School Road to west city limits). The City of Downey has revised the project scope and funding sources to include \$969,231 of repurposed Federal Earmark to Proposition C funds. The revised scope includes activities during the construction phase of the Project. The Measure R budget of \$323,000 remains unchanged.

Lynwood

- Deobligate \$865,000 from MR306.54 -- Imperial Hwy. Capacity Enhancements Project. On October 25, 2018, the Metro Board approved MR306.54 - Imperial Hwy. Corridor Capacity Enhancements Project in the City of Lynwood. The City of Lynwood has requested that Metro deliver the Project due to lack of staffing resources. Metro will procure services for Project Approval & Environmental Document (PA&ED) and Plans, Specifications, & Estimates (PS&E)

phases of this Project.

Long Beach

- Program \$2,520,000 for MR306.60 - Shoreline Drive Realignment Project. The funds will be programmed as follows: \$520,000 in FY19 and \$2,000,000 in FY20. The funds will be used to complete the Plans, Specifications, and Estimates (PS&E) phase of the Project.

Measure R NEXUS to Highway Operational Definition: The Project will realign and reconfigure Shoreline Drive to match the future location of the Shoemaker Bridge Replacement Project (to be done as part of the I-710 Corridor Project), allowing for two-way traffic between 6th Street and Ocean Blvd. West Broadway and 3rd Street would also be reconfigured to reconnect with Shoreline Drive and distribute traffic to and from the freeway, both providing safety and operational benefits.

Maywood

- Program \$445,000 in FY19 for MR306.56 - Slauson Ave./Atlantic Blvd. Congestion Relief & Slauson Ave. Corridor Project. The total project budget is \$445,000. The funds will be used to complete the Project Approval and Environmental Document (PA&ED) and Plans, Specifications, and Estimates (PS&E) phases of the Project.

Measure R NEXUS to Highway Operational Definition: This Project provides congestion relief on Slauson Ave., a major east-west arterial providing regional access to and from the I-710. Intersection improvements at Slauson Ave. and Atlantic Blvd. include traffic signal improvements and adding eastbound and northbound left-turn lanes. Slauson Ave Corridor improvements include traffic signal improvements and synchronization, and the addition of protective left-turn vehicle heads at 8 intersections. This project is eligible under Measure R Highway Operational Improvements.

South Gate

- Program \$1,456,250 in FY19 for MR306.57 - Imperial Highway Corridor Improvement Project. The total project budget is \$1,456,250. The funds will be used to complete the Construction phase of the Project.

Measure R NEXUS to Highway Operational Definition: The Project will provide operational improvements on Imperial Highway from Ryerson Ave to the Los Angeles River, a major east-west arterial providing regional access to and from the I-710. Proposed improvements include the construction of raised medians, and traffic signal improvements and synchronization to reduce congestion and enhance traffic circulation. This project is eligible under Measure R Highway Operational Improvements.

- Program \$700,000 in FY19 for MR306.58 - Firestone Blvd. at Otis St. Improvements Project. The total project budget is \$700,000. The funds will be used to complete the Construction phase of the Project.

Measure R NEXUS to Highway Operational Definition: The Project will provide operational improvements at the intersection of Firestone Boulevard and Otis Street. Proposed improvements include the installation of an eastbound right-turn lane pocket and traffic signal modification and synchronization which will reduce congestion and enhance traffic circulation. This project is eligible under Measure R Highway Operational Improvements.

- Scope revision for MR306.33 - Firestone Blvd. Regional Corridor Capacity Enhancement Project. The City has revised the project scope to provide clarity on the intersections included in the project. This is a no cost scope modification.

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 projects has been completed. The subregion has invested \$35 million of Measure R Subregional highway Funds. The 10 active projects are in planning, design, or construction phases. There are no updates to the existing project list.

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

Approval of Recommendation A will not require an FY19 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 FY19 Highway budget. Funding for the highway projects is from the Measure R 20% Highway Capital subfund earmarked for the subregions. FY19 funds are allocated for Arroyo Verdugo (Project No. 460310), Las Virgenes Malibu (Project No. 460311), and South Bay (Project No. 460312) subregions in FY19 budget. These three programs are budgeted under Cost Center 0442 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; 469314, Task 5.3.100; 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 FY19 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 FY19 budgets to funds the identified priorities. Should additional funds be required for FY19 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

The proposed project is 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 it will delay development of the needed improvements.

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.

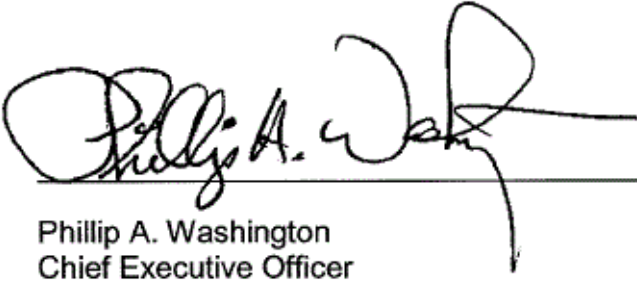
ATTACHMENTS

Attachment A - Projects Receiving Measure R Funds

Attachment B - Subregional Performance

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