



Board Report

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AD HOC CONGESTION, HIGHWAY AND ROADS COMMITTEE
OCTOBER 17, 2018

SUBJECT: MEASURE R HIGHWAY SUBREGIONAL PROGRAM SEMI-ANNUAL UPDATE

ACTION: APPROVE RECOMMENDATION

RECOMMENDATION

CONSIDER:

A. APPROVING \$41.3 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 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 time extension for 20 projects as shown in Attachment B;

C. DEOBLIGATING \$4.4 million of previously approved measure R Highway Subregional Program funds;

D. DELEGATING to the Chief Executive Officer (CEO) or his designee the authority to deobligate/reprogram funds and administratively extend funding agreement lapse dates for Measure R Highway Subregional project agreements to meet design, right of way and construction time frames; and

E. 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.

BACKGROUND

As part of the 2008 Measure R half cent sales tax, Line 31, 32, 33, 35, 37, 38 of the expenditure plan established highway operational improvement subfunds. The Highway Department in Program Management develops and environmentally clears highway projects with these subfunds and also manages grants to jurisdiction and coordinates with each of the subregions and eligible grant recipients. Updates on progress in development and implementation of the subregional highway programs are presented to the Board twice a year and on an as-needed basis.

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.

The changes in this update include \$41.3 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 subregions - 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 49 projects to be funded by Measure R Subregional Funds. Of those, 11 projects have been completed. The subregion has invested \$31.1 million of their funds in projects.

The 23 active projects are in planning, design, or construction phases. This update includes 4 new projects and funding adjustments to 8 existing projects as follows:

Burbank

- Program an additional \$2,000,000 in FY20 for MR310.11 - Olive Ave / Verdugo Ave Intersection Improvements Project. The revised project budget is \$3,600,000 for Design, Right-of-Way, and Construction. Additional funds are needed based on the alternatives identified and the City Council's direction.
- Program an additional \$700,000 in FY19 for MR310.31 - State Route 134 (SR-134) Corridor Arterial Signal Improvements - Phase 2 Project. The revised project budget is \$2,000,000. Construction bids received for the project came in higher than the engineer's estimate and additional funds are required.
- Program an additional \$350,000 in FY19 for MR310.38 - Interstate 5 (I-5) Corridor Arterial Signal Improvements - Phase 2 Project. The revised project budget is \$1,150,000. Construction bids received for the project came in higher than the engineer's estimate and additional funds are required.
- Program an additional \$1,300,000 in FY20 for MR310.46 - Glenoaks Blvd Arterial and First Street Signal Improvements Project. The revised project budget is \$3,200,000. Additional funds are needed due to a revised engineer's estimate as a result of added project scope.
- Program \$1,000,000 in FY19 for the Interstate 5 (I-5) Downtown Soundwall Project between Orange Grove Ave and Magnolia Blvd. The project proposes to design and construct a new soundwall on north bound I-5. The total project budget for Design and Construction is \$1,000,000.

Measure R NEXUS to Highway Operational Definition: This is a soundwall project located on I-5, an eligible Highway Operational Improvement. The subregion is allowed to use up to 20% of their subregional allocation for bike lanes and soundwalls. The total programmed to date falls below this amount.

- Program \$250,000 in FY20 for the Alameda Ave Signal Synchronization between Glenoaks Blvd and Riverside Drive. The total project budget is \$250,000. The project consists of design and implementation of signal synchronization for 18 traffic signals on Alameda Avenue corridor. The project will improve Level of Service on a major arterial that is parallel to State Route 134. The traffic signals are using outdated signal coordination plans from 2013.

Measure R NEXUS to Highway Operational Definition: This project is an eligible Highway Operational Improvement project which will upgrade traffic signals / timing / and synchronization along Alameda Ave. Upon completion, this project will enable real time traffic signal timing changes and responsive operations which will reduce vehicle hours of delay and improve traffic flow, public transit efficiency and pedestrian safety.

Glendale

- Reprogram \$1,520,000 in FY18 Funds to FY19 and reprogram \$3,000,000 in FY19 funds to FY21 for MR310.25 - Interstate 210 (I-210) Soundwalls Project. The total programmed budget remains unchanged at \$4,520,000. The city has delayed implementation of the project as they have experienced staff turnover and additional community input on the wall location.
- Program an additional \$60,000 in FY19 for MR310.26 - Bicycle Facilities, Phase 2 (Class III Routes). The revised project budget is \$225,000. The city has updated their engineers estimate based on other recently advertised projects with similar scope.
- Program an additional \$100,000 in FY19 for MR310.28 - Pennsylvania Traffic Signal at I-210 On/Off-ramps. The revised project budget is \$500,000. The city has updated their engineers estimate based on other recently advertised projects with similar scope.
- Program an additional \$825,000 in FY19 for MR310.47 - Traffic Signal on Glenwood Rd and Modifications on La Crescenta and Central Ave. The city has updated their engineers estimate based on other recently advertised projects with similar scope.
- Program \$2,200,000 for Traffic Signals on Chevy Chase Drive, Lexington Drive, and Pacific Avenue. The funds will be programmed as follows: \$1,000,000 in FY19 and \$1,200,000 in FY20. The funds will be used for design and implementation of signal systems at the following major intersections: Chevy Chase Dr and California Ave, Chevy Chase Dr and Sinclair Ave, Lexington Dr. and Louise St, Pacific Ave and Arden Ave and Verdugo Blvd and Park Pl. The programmed budget is \$2,200,000.

Measure R NEXUS to Highway Operational Definition: This project is a traffic signal upgrade project, an eligible Highway Operational Improvement. Upon completion, this project will enable real time traffic signal timing changes and responsive operations which will reduce vehicle hours of delay and improve traffic flow, public transit efficiency and pedestrian safety.

La Canada/Flintridge

- Program \$3,712,000 for MR310.53 - Soundwalls on Interstate 210 (I-210), Phase 3. The funds will be programmed as follows: \$1,712,000 in FY19 and \$2,000,000 in FY20. The total project budget is \$3,712,000. The funds will be used to construct soundwalls in the City of La Canada/Flintridge for the following phases: Project Development, Design, ROW and Construction.

Measure R NEXUS to Highway Operational Definition: This is a soundwall project located on Interstate 210, an eligible use of the Highway Operational Funds. The subregion is allowed to use up to 20% of their subregional allocation for bike lanes and soundwalls .The total programmed to date falls below this.

Highway Operational Improvements in Las Virgenes Malibu Subregion

The subregion had listed 26 projects to be funded by Measure R Subregional Funds. Of those, 9 projects have been completed. The subregion has invested \$106.8 million of their funds in projects. The 11 active projects are in planning, design, or construction phases. This update includes funding adjustments to 2 projects as follows:

Agoura Hills

- In October 2017, board report (2017-0573) programmed an additional \$7,000,000 for MR311.03 - Palo Camado Interchange Project. The additional funds are to be utilized for design, ROW and construction charges. The October 17 board action did not note construction, this is a clarification to the past Metro board action.
- Deobligate \$200,000 in FY17 funds from MR311.04 - Agoura Road/Kanan Road Intersection Improvements. The revised project budget is \$800,000. The project's total Design and ROW expenses have been reduced and the city desires to reprogram the funds to MR311.14.
- Program an additional \$200,000 in FY19 for MR311.14 - Kanan Road Corridor from Thousand Oaks Blvd to Cornell Road PSR. The revised project budget is \$700,000. The city has underestimated the Caltrans requirements for the study and additional funds are required to complete the PSR. The city is using savings from MR311.04 to provide the funds for the increase to this project's budget.

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 Subregional Funds. Of those, 16 projects have been completed. The subregion has invested \$73.9 million of their funds in projects. The 41 active projects are in planning, design, or construction phases. This update includes funding adjustments to 5 existing projects as follows:

Hermosa Beach

- Program an additional \$76,734 in FY19 for MR312.05 - Pacific Coast Highway (SR-1/PCH) Improvements from Anita Street to Artesia Boulevard Project. The total revised project budget is \$574,734. The city advertised the project and bids came higher than the engineers estimate. Funding is necessary to cover construction management, construction contingency, Caltrans permit fees and geotechnical inspection and testing for the Project.
- Deobligate \$872,000 for MR312.38 - Pacific Coast Highway (PCH) at Aviation Boulevard Intersection Improvements (Southbound left turn lanes). The revised project budget is \$0. The city is no longer pursuing the project and has asked the project be removed from the project list. An agreement was not executed for the project and no expenditures were incurred.

- Deobligate \$1,800,000 for MR312.63 - PA/ED on Pacific Coast Highway (PCH) from Aviation Boulevard to Prospect Avenue. The revised project budget is \$0. The city is no longer pursuing the project and has asked the project be removed from the project list. An agreement was not executed for the project and no expenditures were incurred.

Inglewood

- Program an additional \$1,000,000 in FY19 for MR312.12 - Intelligent Transportation System (ITS) Phase IV. The revised project budget is \$3,500,000. Additional funds are necessary to complete the Design and Construction of ITS equipment along Manchester Boulevard from La Cienega Boulevard to La Brea Avenue and Crenshaw Avenue from Manchester Boulevard to Century Boulevard. The project will complete construction by Spring of 2019.

Redondo Beach

- Program an additional \$350,000 in FY19 for MR312.07 - Pacific Coast Highway at Torrance Boulevard Intersection Improvements Project. The total revised project budget is \$936,000. Construction bids for the project came in higher than the original estimate. Funds are required for construction and project close out.

I-605 Corridor “Hot Spots” Interchanges

The Gateway Cities subregion had listed 56 projects to be funded by Measure R Subregional Funds, investing \$94.8 million of their funds in projects. Of those, 4 projects have been completed. The 33 active projects are in planning, design, or construction phases. This update includes adjustments to 12 existing projects recommended by the SR-91/I-605/I-405 Technical Advisory Committee as follows:

Metro

- Deobligate \$263,000 from the WB SR-91 Improvement Project AE476110012334 - (Previously called “Project Approval & Environmental Document (PA/ED) for the I-605/SR 91 Interchange Project”) to match the awarded contract value. The total contract value is \$7,763,000.
- Program an additional \$229,329 in FY19 for the I-605 Beverly Interchange Improvements Project AE39064000 (PR & PS&E) to match the awarded contract value of \$3,229,329.
- Deobligate \$1,047,700 from the SB I-605 Off-ramp at South Street Project AE38849000 (Previously called the SB I-605 from SR-91 to South Street Improvements Project) to match the awarded contract value. The funds will be programmed as follows: \$4,452,300 in FY18. The total contract value is \$4,452,298.
- Program an additional \$7,000,000 in FY19 for MR315.35 - SR-91 Atlantic Ave to Cherry Ave

Eastbound (E/B) Auxiliary Lane Project. The revised project budget is \$7,500,000. Additional funds are being programmed to match a future contract award amount for Project Approval and Environmental Document (PA&ED) and Plans, Specifications, and Estimates (PS&E) of the project.

- Program an additional \$1,600,000 in FY19 for MR315.63 - SR-60 at 7th Street Interchange Improvements Project. The revised project budget is \$2,100,000. The project will complete the Project Approval and Environmental Document (PA&ED) and Plans, Specifications, and Estimates (PS&E).

Measure R NEXUS to Highway Operational Definition: This project will reconfigure the SR-60 at 7th Street Interchange on/off ramps to reduce congestion and improve freeway operations (both mainline and ramps), improve safety and the local interchange operations. This is an eligible Measure R Highway Operational Improvement.

- Program an additional \$1,559.9 million in FY19 for MR315.64 - I-605 at Valley Blvd Interchange Improvements. The revised project budget is \$2,059.9 million. The project will complete the Project Approval and Environmental Document (PA&ED) and Plans, Specifications, and Estimates (PS&E).

Cerritos

- Program an additional \$122,263 in FY19 for MR315.38 - Carmenita Rd and South St Intersection Improvements Project. The funds will be used to complete the Construction phase of the Project. The total project budget is \$414,263.
- Deobligate \$211,800 from MR315.39 - Bloomfield Ave and Artesia Blvd Intersection improvements project to match the current engineering cost estimate value. The funds will be used to complete Right of Way (ROW) and Construction phases of the Project. The total project budget is \$1,544,200.

Downey

- In the April 2018 Board Report, the total project budget for MR315.27 - Lakewood Blvd. at Florence Ave. Intersection Improvement Program was incorrectly listed at \$4,945,000. The total project budget is \$4,925,000. The funds will be programmed as follows: \$1,310,000 in Prior Years and \$3,615,000 in FY18. The funds will be used to complete the Project Approval and Environmental Document (PA&ED), Plans, Specifications, and Estimates (PS&E), Right of Way, and Construction phases of the Project.

Whittier

- Program an additional \$803,100 in FY19 for MR315.44 - Whittier Blvd at Santa Fe Spring Rd (Five Points) Intersection Improvements Project. The total project budget is \$2,371,000. The funds will be used to complete Plans, Specifications, and Estimates (PS&E), Right of Way

(ROW), and Construction phases of the Project.

- Program an additional \$2,512,700 in FY19 for MR315.45 - Whittier Blvd at Painter Ave Intersection Improvements Project. The total project budget is \$4,273,337. The funds will be used to complete Plans, Specifications, and Estimates (PS&E), Right of Way (ROW) and Construction phases of the Project.
- Program an additional \$697,900 in FY19 for MR315.46 - Whittier Blvd at Colima Rd Intersection Improvements Project. The total project budget is \$2,344,100. The funds will be used to complete Plans, Specifications, and Estimates (PS&E), Right of Way (ROW) and Construction phases of the Project.

I-710 South and/or Early Action Projects

The Gateway Cities subregion had listed 21 projects to be funded by Measure R Subregional Funds. Of those, 3 projects have been completed. The subregion has invested \$106.2 million of their funds in projects. The 9 active projects are in planning, design, or construction phases. This update includes 4 new project and funding adjustments to 2 existing projects recommended by the I-710 Technical Advisory Committee as follows:

Bell

- Deobligate the entire programmed amount of \$39,900 for MR306.45 - Slauson Ave. Bridge Improvement Project. The revised project budget is \$0. The City of Bell has decided to remove this project from the 710 Early Action Project list.

Bell Gardens

- Program \$4,635,000 in FY19 for MR306.52 - Garfield Avenue & Eastern Avenue Intersection Improvements Project. The total project budget is \$4,635,000. The funds will be used to complete the Project Approval and Environmental Document (PA&ED), Plans, Specifications, and Estimates (PS&E), Right of Way, and Construction phases of the Project.

Measure R NEXUS to Highway Operational Definition: This project is an intersection improvement project that proposes to re-align a “Y” intersection into a “T” intersection, which will improve current capacity, operations, and traffic safety conditions. The Garfield Ave. and Eastern Ave. corridors serve as parallel I-710 alternative routes. The improvements are located within a mile of I-710 and are eligible Measure R Highway Operational Improvements.

Downey

- Program an additional \$1,000,000 in FY19 for MR306.31 - Lakewood Blvd Improvement Project Phase 3C. The revised project budget is \$6,000,000. The additional project funds will be used to complete the Right of Way and Construction phases of the project.

Huntington Park

- Program \$700,000 in FY19 for MR306.53 - Slauson Avenue Congestion Relief Improvements Project. The total project budget is \$700,000. 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 is a corridor improvement project that proposes to provide intersection congestion relief on Slauson Avenue during peak hours by providing three through lanes of traffic and signal improvements at six consecutive intersections. This will improve vehicular-pedestrian safety operations and intersection capacity. Slauson Avenue is a major east-west arterial providing regional access to and from the I-710. The improvements are eligible under Measure R Highway Operational Improvements.

Lynwood

- Program \$865,000 in FY19 for MR306.54 - Imperial Highway Corridor Congestion Relief Improvements Project. The total project budget is \$865,000. 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 proposes to provide congestion relief on Imperial Highway between Long Beach Boulevard and Atlantic Avenue during peak hours by adding an additional lane and signal improvements. This will improve current capacity, operations, and traffic safety conditions. Imperial Highway is a major east-west arterial providing regional access to and from the I-710. The improvements are eligible under Measure R Highway Operational Improvements.

Port of Long Beach

- Program \$10,000,000 in FY19 for MR306.55 - Pier B Street Freight Corridor Reconstruction Project. The total project budget is \$10,000,000. 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: This project proposes to widen Pier B Street from two to four lanes, realign the roadway, and improve grading. The project will improve the movement of people and goods, reduce congestion, and improve air quality on I-710 and adjacent arterials. The improvements are located within a mile of I-710 and are eligible Measure R Highway Operational Improvements.

State Route 138 Capacity Enhancements

Through Measure R, one project has been completed and the subregion has expended \$32.9 million and identified and executed 11 agreements for projects which are in planning, design or construction phases. The subregional project list does not include any funding or schedule adjustments.

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 & 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; 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 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 projects.

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 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.

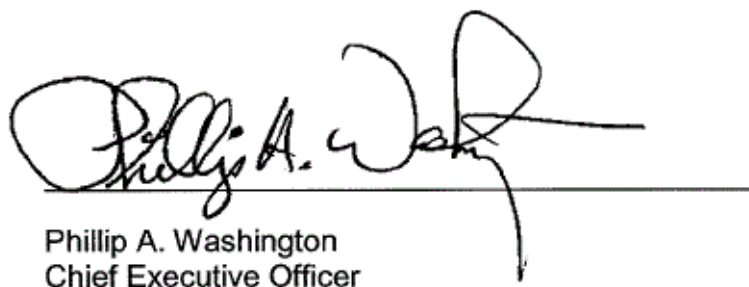
ATTACHMENTS

Attachment A - Project Receiving Additional Measure R Funds

Attachment B - Time Extension List

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