



## Board Report

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### AD-HOC CONGESTION, HIGHWAY AND ROADS COMMITTEE APRIL 19, 2017

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

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

#### **RECOMMENDATION**

CONSIDER:

- A. APPROVING \$11.8 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;
- 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
- B. AUTHORIZING the CEO or his designee to negotiate and execute all necessary agreements for approved projects; and
- C. RECEIVING AND FILING the **SR-138 Capacity Enhancements** (North County) project list as shown in Attachment B.

#### **ISSUE**

The Measure R Highway Subregional Program update allows the Highway Program and each subregion or lead agency, to revise delivery priorities and project budgets for the proposed implementation plan 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 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” Interchange 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. Definition, development, and implementation of specific projects with independent utility are advanced through collaborative efforts by Metro’s Highway Program staff, the subregional authorities/Council of Government for the subfund, the project sponsor, and Caltrans for projects on their facilities.

At the December 2016 Board meeting (File#2016-0589), revised project lists and funding allocations for the Highway Capital Subfunds were approved. This update recommends changes requested by each subregion.

The changes in this update include \$11.8 million in additional programming for 9 projects which are either new or existing, in two subregions - Arroyo Verdugo and Gateway Cities 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 improvements definition approved by the Board.

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

Through Measure R, the subregion has completed 10 projects and expended \$24 million. The subregion has identified 44 projects and currently has agreements executed for 17 active projects which are in planning, design, or construction phases. The updated subregional project list includes funding adjustments for 5 existing projects and includes 5 new projects recommended by the Arroyo Verdugo Subregion.

#### **City of Burbank**

- Reprogram \$250,000 previously programmed in Prior Years to FY17-18 and \$3,717,000 programmed in FY 18/19 to FY20/21 for MR310.07 - the Widen Magnolia Blvd/I-5 Bridge project. The total project budget of \$3,967,000 remains unchanged. The City is reprogramming the funds for this project into later fiscal years due to the Caltrans I-5 HOV project currently in construction. Upon completion of the I-5 HOV project, the City will start work on this project.
- Reprogram \$250,000 previously programmed in Prior Years to FY17-18 and \$3,647,000

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programmed in FY18/19 to FY20-21 for MR310.10 - the Widen Olive Ave/I-5 Bridge. The total project budget of \$3,897,000 remains unchanged. The City is reprogramming the funds for this project into later fiscal years due to the Caltrans I-5 HOV project currently in construction. Upon completion of the I-5 HOV project, the City will start work on this project.

- Program an additional \$59,821 and reprogram \$600,000 previously programmed in FY18/19 into the following fiscal years: \$185,790 in FY16-17 and \$474,031 in FY17-18 for MR310.23 - the Chandler Bikeway Extension (Call Match) F7506. The total revised project budget is \$659,821. The funds are being reprogrammed into two fiscal years to align with the Call for Projects programmed years.

New Measure R Projects and Funding for City of Burbank:

- Program \$1,300,000 in FY17-18 for the SR-134 Corridor Arterial Signal Improvements Project (Riverside Dr, Magnolia Blvd, Alameda Ave), Phase 1. The total project budget is \$1,300,000 for construction support and capital. The project consists of upgrades to seven existing traffic signals: (Riverside Dr/Bob Hope Dr, Riverside Dr/Reese Pl, Riverside Dr/Main St, Magnolia Blvd/Avon St, Magnolia Blvd/Pass Ave, Alameda Ave/Bob Hope Dr and Alameda/Ave/Naomi St. The existing signal equipment is Caltrans 1964 standard poles which will be upgraded to Caltrans 2015 standard poles. These intersections are currently operating at Level of Service D or E due to high pedestrian crossing counts and high arterial volumes from diverted freeway traffic. These signals will be synchronized with adjacent signals once fiber optic connections are installed. The project will improve Level of Service on these arterials parallel to State Route 134, and will enable City streets to be used as a freeway detour.

Measure R NEXUS to Highway Operational Definition: This is a traffic signal system upgrade/timing/synchronization project which will improve level of services on these arterials which are parallel to SR-134. This is an eligible Measure R Highway Operational Improvement Project.

- Program \$1,400,000 in FY 17-18 for the Media District Traffic Signal Improvements (Olive Ave, Riverside Dr. and Alameda St) project. The total programmed budget is \$1,400,000 for construction capital and support. The project consists of upgrades to eight existing traffic signals and vehicle detectors at: Olive/Hollywood Way, Olive/Lakeside Dr, Riverside Dr/California St, Riverside Dr/Avon St, Riverside Dr/Olive, Riverside Dr/Hollywood Way, Riverside Dr/Pass Ave, and Alameda Ave/Pass Ave. These intersections are currently operating at Level of Service D or E due to high pedestrian crossing counts and high arterial volumes from diverted freeway traffic. These signals will be synchronized with adjacent signals once fiber optic connections are installed. Traffic surveillance equipment will also be installed and roadway work will be undertaken to modify center medians for increased left turn storage at three intersections.

Measure R NEXUS to Highway Operational Definition : This is a traffic signal system upgrade/timing/synchronization improvement project and will improve Level of Service for these arterials which are parallel to State Route 134. The proposed signal synchronization will

allow for the use of City streets as a freeway detour. This is an eligible Measure R Highway Operational Improvement Project.

- Program \$800,000 in FY 17-18 for the I-5 Corridor Signal Improvements (Third St, Buena Vista St, Olive Ave and Magnolia Blvd), Phase 1 project. The total programmed budget is \$800,000 for construction support and capital. The project consists of upgrades to five existing traffic signals at: 3<sup>rd</sup> St/Angeleno Ave, Buena Vista St/Tulare, Buena Vista/ Thornton, Olive Ave/Virginia and Magnolia Bl/Reese Pl. The existing signal equipment is Caltrans 1964 standard poles which will be upgraded to Caltrans 2015 standard poles. The project will also add left turn phasing at 3<sup>rd</sup> St/Angeleno Ave and Buena Vista St/Thornton, key arterials serving I-5 on/off ramps. These intersections are currently operating between Level of Service C and D due to high traffic volumes to and from Interstate 5. The project will upgrade and synchronize these signals once fiber optic connections are installed. These improvements will reduce congestion for vehicles traveling to and from I-5.

Measure R NEXUS to Highway Operational Definition : This is a traffic signal system upgrade/timing/synchronization project, which will reduce congestion for vehicles traveling to and from I-5, an eligible Measure R Highway Operational Improvement Project.

- Program \$500,000 in FY 17-18 and \$1,400,000 in FY 18-19 for the Glenoaks Ave Arterial and First Street Signal Improvements project. The total programmed budget is \$1,900,000 for PS&E and construction support and capital. The project consists of upgrading existing traffic signals and providing left-turn phasing at 11 intersections along Glenoaks Blvd (Reese Pl, Bethany Rd, Delaware Rd, Fairmont Rd, Grinell Dr, Cypress Ave, Magnolia Bl, Orange Grove Ave, Angeleno Ave, Verdugo Ave, and Alameda Ave) and an intersection on First St/Orange Grove Ave. The existing signal equipment is Caltrans 1964 standard poles, which will be upgraded to Caltrans 2015 standard poles. Glenoaks Blvd is a key arterial that is parallel to Interstate 5 and serves Burbank, Glendale, and Los Angeles. These intersections are currently operating between Level of Service C and E due to high traffic volumes, left-turn queues and the distance between the closely spaced intersections. The project will reduce left-turn vehicle queues to enhance existing synchronization during peak periods. These improvements will reduce congestion for vehicles using Glenoaks Blvd as an alternative to Interstate 5.

Measure R NEXUS to Highway Operational Definition : This is a traffic signal system upgrade/timing/synchronization project, which will synchronize Glenoaks Blvd, a key arterial that is parallel to Interstate 5 and serves Burbank, Glendale, and Los Angeles. This is an eligible Measure R Highway Operational Improvement Project.

### City of Glendale

- Program an additional \$17,123 for MR310.34 - Regional Bike Stations (Call Match) F7709. The funds will be programmed in FY17/18 for a total project budget of \$332,123. This project is a local match to F7709 and funds are being reprogrammed to align with the Call for Projects

programmed year.

- Amend the project definition for the previously titled Traffic Signal Installation and Modifications at various locations project, programmed under the November 16, 2016 Board Report to the Planning and Programming Committee. The project title is being revised to Traffic Signal Installation on Glenwood Road and Signal Modifications on La Crescenta Ave and Central Ave. The project will now consist of Installation of Signals at Glenwood Rd/Pacific Ave, and signal modifications at La Crescenta Ave/Montrose Ave, La Crescenta Ave/Honolulu Ave and Central Ave/Chevy Chase. There is no change to the programmed budget or the program year.

New Measure R Project and Funding for City of Glendale:

- Program \$400,000 in FY 17-18 for the San Fernando Road/Los Angeles St Traffic Signal Installation and Intersection Modification project. The project includes the installation of a new traffic signal and intersection modifications (realignment). San Fernando Rd is a regional arterial in Glendale, runs parallel to I-5, and is used as an alternate route when the freeway is congested. Due to pedestrians jay walking across San Fernando Rd at the Los Angeles St intersection, vehicles brake suddenly on San Fernando interrupting traffic flow and causing risk of rear-end accidents. The intersection will be redesigned and signalized to shorten pedestrian walking distance and reduce conflicts on San Fernando Rd. These improvements will reduce incident delays and provide more green time to San Fernando Rd traffic.

Measure R NEXUS to Highway Operational Definition: This is a traffic signal/ safety improvements project that reduces incident delay, and accidents on San Fernando Rd, an eligible Measure R Highway Operational Improvement Project.

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

Through Measure R, the subregion has completed 5 projects and expended \$81 million. The subregion has identified 24 projects and currently has agreements executed for 17 active projects which are in planning, design, or construction phases. The updated subregional project list includes funding adjustments to 5 projects currently pursued by the Las Virgenes Malibu Subregion.

City of Agoura Hills

- Deobligate \$3,350,000 in Prior Years from the Palo Comado Interchange Project (MR311.03). The total revised project budget is \$4,000,000 programmed in Prior Years. The deobligated funds will be reprogrammed to complete construction of the Agoura Road Widening Project (MR311.05).
- Program an additional \$3,350,000 in FY16-17 for the Agoura Road Widening Project (MR311.05). The revised total project budget has increased to \$36,850,000. The City is programming additional funds to this project due to increased construction cost estimate

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because of environmental mitigation costs, costs associated with issues requiring further legal counsel related to multiple purchase and sale agreements established as part of the right-of-way phase, the installation of fiber optic communication lines, completing final punch list items and a need to address field condition variances identified during construction.

City of Westlake Village

- Deobligate \$410,000 in Prior Years from the Rte 101/Lindero Cyn. Rd. Interchange Improvements Project (MR311.10). The deobligate funds are not required to complete the traffic signal, bridge widening or turning lane improvements on Agoura Rd and Lindero Canyon Rd. The revised project budget is \$3,251,000. The deobligated funds will be reprogrammed into MR311.18 to complete construction of U.S.101/Lindero Canyon Rd Interchange Improvements from Thousand Oaks Blvd to Agoura Rd.
- Deobligate \$40,000 in Prior Years from the Highway 101 Park and Ride Lot Construction (MR311.19). The total revised project budget is \$4,943,605 programmed in Prior Years. The deobligated funds will be reprogrammed to complete construction of the Rte. 101/Lindero Cyn. Rd. Interchange Improvements, Phase 3A Construction (MR311.18).
- Program an additional \$450,000 in FY 16-17 for Rte. 101/Lindero Cyn. Rd. Interchange Improvements, Phase 3A Construction (MR311.18). The revised project budget is \$9,419,000. The city is programming additional funds for this project to complete the remaining Lindero Canyon Rd widening improvements between Thousand Oaks Blvd and Agoura Rd.

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

Through Measure R, the subregion has completed 11 projects and expended \$58 million. The subregion has identified 66 projects and currently has agreements executed for 32 active projects which are in planning, design or construction phases. The updated subregional project list includes funding adjustments for 8 projects and includes 3 new projects recommended by the South Bay Subregion.

Caltrans

- Program an additional \$357,003 in FY16-17 for MR312.11, the ITS: I-405, I-110, I-105, SR-91 at Freeway Ramp/Arterial Signalized Intersections Improvement Project. The revised project budget is \$5,357,000. This project is currently in construction and should be completed Spring of 2017. Additional funds have been requested for construction support/management. The budget increase will ensure that the project and its scope are completely delivered on time.

City of El Segundo

- Deobligate \$342,424 from MR312.22 - Maple Ave. Improvements from Sepulveda Blvd to Parkview Ave. This project has been completed and project charges have been audited by Metro. Project savings are being deobligated and will be repurposed for other projects funded under line 33 of the Measure R Ordinance/Expenditure Plan.

City of Gardena

- Deobligate \$173,013 from MR312.17 - Rosecrans Ave. Improvements from Vermont Ave to Crenshaw Blvd. This project has been completed and project charges have been audited by Metro. Project savings are being deobligated and will be repurposed for other projects funded by line 33 of the Measure R Ordinance/Expenditure Plan.
- Deobligate \$282,025 from MR312.19 - Artesia Blvd at Western Ave Intersection Improvements. This project has been completed and project charges have been audited by Metro. Project savings are being deobligated and will be repurposed for other projects funded by line 33 of the Measure R Ordinance/Expenditure Plan.
- Deobligate \$259,657 from MR312.21 - Vermont Ave. Improvements from Rosecrans Ave to 182<sup>nd</sup> St. This project has been completed and project charges have been audited by Metro. Project savings are being deobligated and will be repurposed for other projects funded by line 33 of the Measure R Ordinance/Expenditure Plan.

City of Lawndale

- Reprogram \$1,039,262 for MR312.49 - Redondo Beach Blvd Mobility Improvements from Prairie to Artesia (Call Match) F9101. The funds will be programmed as follows: \$272,890 in FY16-17, and \$766,308 in FY17-18. This project is a local match to F9101 and funds are being reprogrammed to align with the Call for Projects programmed year.

New Measure R Project and Funding for City of Lawndale

- Program \$507,799 for the Manhattan Beach Blvd and Hawthorne Blvd left-turn Traffic Signal Improvements project. This project will replace and relocate existing east and westbound traffic signal support assemblies and footings, for extended mast arms with signal heads for left turn protected phasing on Manhattan Beach Blvd at Hawthorne Blvd SR-107. Due to the limited visibility of the signal heads, the configuration of the intersection, and lack of left-turn permissive phasing, motorists are being stranded in the intersection causing delays and safety issues for vehicles trying to go NB and SB on Hawthorne Blvd.

Measure R NEXUS to Highway Operational Definition: This project is signal and intersection improvements project which will install new mast arms and signal heads for left turn phasing on SR-107. This is an eligible Measure R Highway Operational Improvement.

City of Los Angeles

- Reprogram \$1,313,041 for MR312.51 - Improvements on Anaheim St. from Farragut Ave. to Dominguez Channel (Call Match) F7207. The funds will be programmed as follows: \$262,608 in FY16-17, and \$1,050,433 in FY17-18. This project is a local match to F7207 and funds are being reprogrammed to align with the Call for Projects programmed year.

New Measure R Project and Funding for City of Los Angeles

- Program \$2,875,000 in FY17-18 for the Alameda St. South widening from Anaheim St. to Harry Bridges Blvd. The project proposes to widen Alameda St on the West Side to a Major Highway Class II. Currently, Alameda St. south is a 50' 4 lane roadway, which will be widened to an 80' 6 lane facility. Alameda St. provides connections to PCH (SR-1), SR-47 and is currently operating at a deficient level of service D or F in peak hour traffic.

Measure R NEXUS to Highway Operational Definition: This project is an intersection and street widening project which provides direct access to SR-1 and SR-47. This is an eligible Measure R Highway Operational Improvement.

County of Los Angeles

- Deobligate \$3,322,000 from FY19/20 for the Del Amo Blvd Improvements Project (frm. Western Ave to Vermont Ave) MR312.16. The revised project budget is \$23,498,000. The project is wrapping up a planning study and the deobligated funds are not required for the project at this time. The funds will be reprogrammed into other projects which will commence work in the upcoming fiscal year.

City of Manhattan Beach

- Deobligate \$18,531 from MR312.04 - Sepulveda Blvd at Marine Ave Intersection Improvements. This project has been completed and project charges have been audited by Metro. Project saving are being deobligated and will be repurposed for other projects funded by line 33 of the Measure R Ordinance/Expenditure Plan.

Port of Los Angeles

New Measure R Project and Funding for Port of Los Angeles

- Program \$900,000 for the Port of Los Angeles SR-47/Vincent Thomas Bridge and Harbor Blvd/Front Street Improvements. The project proposes to improve safety and operations for vehicles entering and exiting SR-47 from the Harbor Blvd / Front St. Interchange. The on/off ramps at Harbor Blvd / Front St. interchange routinely back up during peak periods due to vehicles slowing and weaving on the ramp because of the shared terminus with I-110 and SR-47.

Measure R NEXUS to Highway Operational Definition: This project is an on/off ramps improvement project for the SR-47 and I-110 at Harbor Blvd / Frontage Rd. This is an eligible Measure R Highway Operational Improvement.

City of Torrance



- Deobligate \$280,130 from MR312.18 - Maple Ave at Sepulveda Blvd Intersection Improvements. This project has been completed and project charges have been audited by Metro. Project saving are being deobligated and will be repurposed for other projects funded by line 33 of the Measure R Ordinance/Expenditure Plan.

### **State Route 138 Capacity Enhancements**

Through Measure R, the subregion has expended \$21 million and identified and executed 11 agreements for projects which are in planning, design or construction phases. The subregional project list (Attachment B) does not include any funding or schedule adjustments.

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

Through Measure R, the Gateway Cities subregion has expended \$36 million, identified 34 projects and currently has agreements executed for 24 active projects, which are in planning, design or construction phases. The updated subregional project list includes funding adjustments to 1 project and the addition of 2 new projects recommended by the 91/605/405 Technical Advisory Committee.

#### **Metro**

- Deobligate \$9,500,000 from MR312.50 - The Freeway Early Action Projects strategic reserve line item. Funds are being deobligated to complete the project approval/environmental document and project specifications and estimates of two projects on I-605.

#### **New Measure R Projects for Metro**

- Program \$3,000,000 for the I-605 Southbound Beverly Blvd on/off ramp Interchange Improvements Project. This project will complete a Project Report (PR) and Plans, Specifications, and Estimates (PS&E) for the Beverly Blvd Interchange Improvements. The funds will be programmed over two fiscal years: \$100,000 in FY16-17 and \$2,900,000 in FY17-18. The total project budget for the PR and PS&E is \$3,000,000.

**Measure R NEXUS to Highway Operational Definition** : This project will environmentally clear and reconfiguring the I-605 Southbound Beverly Blvd Interchange on/off ramps. This is an eligible Measure R Highway Operational Improvement.

- Program \$5,500,000 for the I-605 Southbound from SR-91 to South Street Improvements Project. This project will develop a Project Report (PR) and Plans, Specifications, and Estimates (PS&E) for the improvements. The funds will be programmed over two fiscal years: \$200,000 in FY16-17 and \$5,400,000 in FY17-18. The total project budget for PR and PS&E is \$5,500,000.

**Measure R NEXUS to Highway Operational Definition** : This project will environmentally clear

and design an auxiliary lane to allow for additional merging distance for vehicles entering southbound I-605 from both WB and EB SR-91. The project will reduce congestion and improve freeway operations (both mainline and ramps), improve safety and the local and system interchange operations. This is an eligible Measure R Highway Operational Improvement.

### Caltrans

#### New Measure R Projects for Caltrans

- Program \$500,000 for the I-605 Southbound Beverly on/off ramp Interchange Improvements Project. Caltrans will prepare the environmental clearance documentation for the Beverly Blvd on/off ramp improvements. The funds will be programmed over two fiscal years, \$100,000 in FY16-17 and \$400,000 in FY17-18. The total project budget is \$500,000.

Measure R NEXUS to Highway Operational Definition: This project will environmentally clear and reconfiguring the I-605 Southbound Beverly Blvd Interchange on/off ramps. This is an eligible Measure R Highway Operational Improvement.

- Program \$500,000 for the I-605 Southbound from SR-91 to South Street Improvements Project. Caltrans will prepare the environmental clearance documentation for the I-605 Southbound from SR-91 to South Street Improvements. The funds will be programmed over two fiscal years, \$100,000 in FY16-17 and \$400,000 in FY17-18. The total project budget is \$500,000.

Measure R NEXUS to Highway Operational Definition: This project will environmentally clear and design an auxiliary lane to allow for additional merging distance for vehicles entering southbound I-605 from both WB and EB SR-91. The project will reduce congestion and improve freeway operations (both mainline and ramps), improve safety and the local and system interchange operations. This is an eligible Measure R Highway Operational Improvement.

### County of Los Angeles

- Reprogram \$800,000 into two fiscal years for the South Whittier Bikeway Access Improvements Project (Call Match) F9511. Funds will be programmed as follows: \$155,000 in FY17/18 and \$645,000 in FY19/20. This project is a local match to F9511 and funds are being reprogrammed to align with the Call for Projects programmed year.

### City of Long Beach

- Program an additional \$53,000 for the Park or Ride project (Call Match) F9808. The revised project budget will be \$213,000 and will be programmed as follows: \$14,900 in FY16-17, \$49,341 in FY17-18, \$62,486 in FY18/19, \$71,780 in FY19/20 and \$14,097 in FY20/21. This

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project is a local match to F9808 and funds are being reprogrammed to align with the Call for Projects programmed year.

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

Through Measure R, the Gateway Cities subregion has completed 2 projects and expended \$71 million. The subregion has identified 14 projects and currently has agreements executed for 9 active projects which are in planning, design, or construction phases. The updated subregional project list includes funding adjustments for 3 projects and includes 2 new projects recommended by the I-710 Technical Advisory Committee.

#### **City of Bell**

- Program an additional \$23,602 for MR306.37 - Eastern Ave. At Bandini Rickenbacker Project (Call Match) F9200. The funds will be programmed in FY16/17 for a total project budget of \$178,602. This project is a local match to F9200 and funds are being reprogrammed to align with the Call for Projects programmed year.

#### **City of Bell Gardens**

- Reprogram \$258,000 into two fiscal years for MR306.35 - Florence/Jaboneria Intersection Project (Call Match) F9111. Funds will be programmed as follows: \$100,403 in FY19/20 and \$183,045 in FY20/21. The project budget remains unchanged. This project is a local match to F9111 and funds are being reprogrammed to align with the Call for Projects programmed year.

#### **City of Downey**

- Deobligate \$223,000 from MR306.20 - the Paramount Blvd/Firestone Blvd Improvements Project. The revised project budget is \$3,169,000. The project has been completed and project savings are being deobligate and reprogrammed into another Operational Improvements Project.

#### **New Measure R Project for Downey**

- Program \$223,000 for Firestone Blvd Improvement Project (Old River Road and west city limit). These funds are direct savings from the Paramount Blvd/Firestone Blvd Improvements Project. Funds will be used for PS&E and construction of Firestone Improvements, which will increase the number of arterial lanes from two to three in each direction; construct a raised median island to increase vehicle throughput; and, installation a new traffic signal. This project addresses long term traffic projections identified in the I-710 South EIR/EIS.

#### **Measure R Nexus to Highway Operational Definition**

This is a street widening project which will improve operations on Firestone Blvd, a major east/west arterial and one of the most important truck routes in the Gateway Cities. The

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improvements are located within a mile of I-710 and are eligible Measure R Highway Operational Improvements.

City of South Gate

New Measure R Project and Funding for South Gate

- Program \$5,700,000 for construction of the I-710 Soundwalls Early Action Projects, Package 1: Outside of Caltrans right-of-way. The design is expected to be complete early summer with advertising of the project this fall. The funds will be programmed over three fiscal years, \$200,000 in FY16-17, \$4,500,000 in FY17-18, and \$1,000,000 in FY 18-19. The total project budget is \$5,700,000.

Measure R Nexus to Highway Operational Definition:

This is an early action soundwall project of the I-710 Corridor Project, currently in PA&ED phase. The improvements are located in the City of South Gate and within a mile of I-710 Freeway. This is an eligible Measure R Highway Operational Improvement Project.

Metro

- Deobligate \$3,000,000 from the I-710 ITS/Air Quality Early Action (grant match) strategic reserve project line. Funds have been deobligated and reprogrammed for grants that have been awarded to Metro. The revised project budget is \$8,760,000.

New Measure R Project for Metro

- Program \$3,000,000 in FY17-18 for the FRATIS Modernization Project. Metro was successful in obtaining a grant for this project from the Advanced Transportation and Congestion Management Technology Deployment (ATCMTD) Program through the Federal Highway Administration (FHWA). The project will provide a transparent optimization method for truck and terminal operations. FRATIS will exchange information between drayage operators and marine terminal operators regarding container and truck status to enhance truck and terminal efficiencies. The project will build upon past and current FRATIS projects in Los Angeles County. This project would enable FRATIS to be scaled beyond a pilot phase into actual implementation and commercialization. The project entails integration for 500 existing drayage trucks serving the Ports of Los Angeles and Long Beach (POLA/POLB). Measure R funds will be used as matching funds for the ATCMTD grant as outlined in the I-710 ITS/Air Quality Early Action Project.

Measure R Nexus to Highway Operational Definition: The project will improve the movement of people, goods, reduce congestion, and improve air quality on I-710 and adjacent arterials. Also, this project will demonstrate advanced freight transportation information systems for drayage trucks.

Port of Los Angeles

- Amend the assigned project sponsor from Metro to the Port of Los Angeles for the Port of Los Angeles' I-710 Eco-FRATIS Drayage Truck Efficiency Project (MR306.40). POLA and Metro were successful in obtaining a grant for this project through the California Energy Commission (CEC). Measure R funds will be used as matching funds for the CEC grant. The project will reduce truck fuel consumption and greenhouse gas emissions by using the most eco-friendly truck routes, increase marine terminal throughput and optimize truck dispatch and arrival times at the marine terminal. The project entails integration for 100 existing drayage trucks serving the Ports of Los Angeles and Long Beach (POLA/POLB).

Measure R Nexus to Highway Operational Definition: The project will improve the movement of people, goods, reduce congestion, and improve air quality on I-710 freeway and adjacent arterials. This project will demonstrate advanced freight transportation information systems for drayage trucks.

### **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), LasVirgenes/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) is included in Cost Center 0442, account 54001, and under 461314, task 5.2.100, 462314, task 5.2.100, 463314, task 5.2.100, 464314, task 5.1.100, 467314, task 5.2.100, 468314, task 5.3.100, 469314, task 5.3.100, I-710 Early Action Projects (Project No. 460316) and also under 462316, task 5.2.100, 463316, task 5.3.100, 463416, task 5.3.100 and 463516, task 5.3.100 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**

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The source of funds for these projects is Measure R 20% Highway. This fund sources is not eligible for Bus and Rail Operations or Capital expenses and will have no impact on 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**

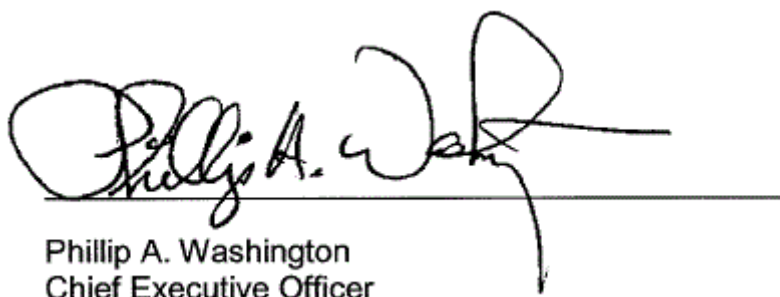
Attachment A - Measure R Highway Subregional Project List

Attachment B - SR-138 Capacity Enhancements Project List

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