

Metro

*Los Angeles County Metropolitan Transportation Authority
One Gateway Plaza
3rd Floor Board Room
Los Angeles, CA*



Agenda - Final

Wednesday, October 18, 2017

11:00 AM

**One Gateway Plaza, Los Angeles, CA 90012,
3rd Floor, Metro Board Room**

Ad Hoc Congestion, Highway and Roads Committee

Janice Hahn, Chair

John Fasana, Vice Chair

Kathryn Barger

Jacquelyn Dupont-Walker

Ara Najarian

Carrie Bowen, non-voting member

Phillip A. Washington, Chief Executive Officer

METROPOLITAN TRANSPORTATION AUTHORITY BOARD RULES
(ALSO APPLIES TO BOARD COMMITTEES)

PUBLIC INPUT

A member of the public may address the Board on agenda items, before or during the Board or Committee's consideration of the item for one (1) minute per item, or at the discretion of the Chair. A request to address the Board should be submitted in person at the meeting to the Board Secretary. Individuals requesting to speak on more than three (3) agenda items will be allowed to speak up to a maximum of three (3) minutes per meeting. For individuals requiring translation service, time allowed will be doubled.

Notwithstanding the foregoing, and in accordance with the Brown Act, this agenda does not provide an opportunity for members of the public to address the Board on any Consent Calendar agenda item that has already been considered by a Committee, composed exclusively of members of the Board, at a public meeting wherein all interested members of the public were afforded the opportunity to address the Committee on the item, before or during the Committee's consideration of the item, and which has not been substantially changed since the Committee heard the item.

The public may also address the Board on non-agenda items within the subject matter jurisdiction of the Board during the public comment period, which will be held at the beginning and/or end of each meeting. Each person will be allowed to speak for up to three (3) minutes per meeting and may speak no more than once during the Public Comment period. Speakers will be called according to the order in which the speaker request forms are received. Elected officials, not their staff or deputies, may be called out of order and prior to the Board's consideration of the relevant item.

In accordance with State Law (Brown Act), all matters to be acted on by the MTA Board must be posted at least 72 hours prior to the Board meeting. In case of emergency, or when a subject matter arises subsequent to the posting of the agenda, upon making certain findings, the Board may act on an item that is not on the posted agenda.

CONDUCT IN THE BOARD ROOM - The following rules pertain to conduct at Metropolitan Transportation Authority meetings:

REMOVAL FROM THE BOARD ROOM The Chair shall order removed from the Board Room any person who commits the following acts with respect to any meeting of the MTA Board:

- a. Disorderly behavior toward the Board or any member of the staff thereof, tending to interrupt the due and orderly course of said meeting.
- b. A breach of the peace, boisterous conduct or violent disturbance, tending to interrupt the due and orderly course of said meeting.
- c. Disobedience of any lawful order of the Chair, which shall include an order to be seated or to refrain from addressing the Board; and
- d. Any other unlawful interference with the due and orderly course of said meeting.

INFORMATION RELATING TO AGENDAS AND ACTIONS OF THE BOARD

Agendas for the Regular MTA Board meetings are prepared by the Board Secretary and are available

DISCLOSURE OF CONTRIBUTIONS

The State Political Reform Act (Government Code Section 84308) requires that a party to a proceeding before an agency involving a license, permit, or other entitlement for use, including all contracts (other than competitively bid, labor, or personal employment contracts), shall disclose on the record of the proceeding any contributions in an amount of more than \$250 made within the preceding 12 months by the party, or his or her agent, to any officer of the agency, additionally PUC Code Sec. 130051.20 requires that no member accept a contribution of over ten dollars (\$10) in value or amount from a construction company, engineering firm, consultant, legal firm, or any company, vendor, or business entity that has contracted with the authority in the preceding four years. Persons required to make this disclosure shall do so by filling out a "Disclosure of Contribution" form which is available at the LACMTA Board and Committee Meetings. Failure to comply with this requirement may result in the assessment of civil or criminal penalties.

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NOTE: ACTION MAY BE TAKEN ON ANY ITEM IDENTIFIED ON THE AGENDA

CALL TO ORDER**ROLL CALL****APPROVE Consent Calendar Items: 5 and 6.**

Consent Calendar items are approved by one motion unless held by a Director for discussion and/or separate action.

CONSENT CALENDAR

5. **SUBJECT: I-5 NORTH CAPACITY ENHANCEMENTS FROM SR-118 TO SR-134 (FUNDING AGREEMENT NO. MOU. P0008355/8501A/A6)** [2017-0509](#)

RECOMMENDATION

AUTHORIZE Contract Modifications No. 181 & 189 (CCO 181 and CCO 189) by the California Department of Transportation (Caltrans) for construction contract of the Segment 4 of the I-5 North Capacity Enhancements Project between SR-118 and SR-134 (Project) under the Funding Agreement No. MOU. P0008355/8501A/A6, in the amount of \$2,886,400 within the project LOP budget.

6. **SUBJECT: I-5 NORTH CAPACITY ENHANCEMENTS FROM SR- 118 TO SR-170** [2017-0572](#)

RECOMMENDATIONS

AUTHORIZE Contract Modification No. 140 (CCO 140) for the construction contract of I-5 North Capacity Enhancement Project between SR-118 and SR-170 (the Project) in the amount not to exceed \$4.0 million under Funding Agreement No. MOU. P0008355/8501A/A6 within the LOP budget.

NON-CONSENT

7. **SUBJECT: FEDERAL HIGHWAY ADMINISTRATION ADVANCED TRANSPORTATION AND CONGESTION MANAGEMENT TECHNOLOGIES DEPLOYMENT (ATCMTD) PROGRAM - GRANT FUNDING** [2017-0580](#)

RECOMMENDATION

CONSIDER:

- A. AUTHORIZING the Chief Executive Officer or his designee to enter into an agreement with the Federal Highway Administration (FHWA) and the

California Department of Transportation (Caltrans) for the Freight Advanced Traveler Information System (FRATIS) project funds received through the FHWA Advanced Transportation and Congestion Management Technologies Deployment (ATCMTD) Program; and

- B. ESTABLISHING a separate Life of Project (LOP) Budget of \$6,000,000 for the FRATIS Project.

8. SUBJECT: I-605 CORRIDOR IMPROVEMENTS PROJECT

[2017-0515](#)

RECOMMENDATION

AUTHORIZE the Chief Executive Officer to execute two separate Modifications to Contract Nos. AE5204200 and AE333410011375 with HDR Engineering, Inc. and Parsons Transportation Group, Inc., respectively, to provide additional professional services for the I-605 Corridor Improvements Project:

- A. Modification No. 1 to Contract No. AE333410011375 with Parsons Transportation Group for the PAED phase of the I-605/I-5 improvements in the firm fixed price of \$8,026,472, increasing the Total Contract Value for Parsons Transportation Group from \$20,697,227 to \$28,723,699; and extending the contract period from 48 months to 67 months; and
- B. Modification No. 1 to Contract No. AE5204200 with HDR Engineering for the PAED phase of the I-605/SR-60 in the firm fixed price of \$4,898,641, increasing the Total Contract Value for HDR Engineering from \$33,660,430 to \$38,559,071; and extending the contract period from 48 months to 58 months.

Attachments: [Attachment A-1 Procurement Summary.pdf](#)
[Attachment A-2 Procurement Summary \(2\).pdf](#)
[Attachment B-1 Contract Mod Log.pdf](#)
[Attachment B-2 Contract Mod Log.pdf](#)
[Attachment C-1 DEOD Summary -HDR.pdf](#)
[Attachment C-2 DEOD Summary.pdf](#)

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

[2017-0573](#)

RECOMMENDATION

CONSIDER:

- A. APPROVING \$30.261 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. APPROVING time extensions for 7 projects as shown in Attachment B; and

C. AUTHORIZING the CEO or his designee to negotiate and execute all necessary agreements for approved projects.

Attachments: [Attachment A - Project List 9-26-17.pdf](#)

[Attachment B - Extensions.pdf](#)

10. **SUBJECT: CALTRANS UPDATE**

[2017-0684](#)

RECOMMENDATION

RECEIVE report by the Caltrans District Director on Delivery of Projects on I-5.

Adjournment

Consideration of items not on the posted agenda, including: items to be presented and (if requested) referred to staff; items to be placed on the agenda for action at a future meeting of the Committee or Board; and/or items requiring immediate action because of an emergency situation or where the need to take immediate action came to the attention of the Committee subsequent to the posting of the agenda.

**Board Report**

File #: 2017-0515, **File Type:** Contract**Agenda Number:** 8.

**AD HOC CONGESTION, HIGHWAY AND ROADS COMMITTEE
OCTOBER 18, 2017****SUBJECT: I-605 CORRIDOR IMPROVEMENTS PROJECT****ACTION: AUTHORIZE TWO CONTRACT MODIFICATIONS****RECOMMENDATION**

AUTHORIZE the Chief Executive Officer to execute two separate Modifications to Contract Nos. AE5204200 and AE333410011375 with HDR Engineering, Inc. and Parsons Transportation Group, Inc., respectively, to provide additional professional services for the I-605 Corridor Improvements Project:

- A. Modification No. 1 to Contract No. AE333410011375 with Parsons Transportation Group for the PAED phase of the I-605/I-5 improvements in the firm fixed price of \$8,026,472, increasing the Total Contract Value for Parsons Transportation Group from \$20,697,227 to \$28,723,699; and extending the contract period from 48 months to 67 months; and
- B. Modification No. 1 to Contract No. AE5204200 with HDR Engineering for the PAED phase of the I-605/SR-60 in the firm fixed price of \$4,898,641, increasing the Total Contract Value for HDR Engineering from \$33,660,430 to \$38,559,071; and extending the contract period from 48 months to 58 months.

ISSUE

The Contract Modifications for AE5204200 and AE333410011375 are required to complete the Environmental Impact Report/Environmental Impact Statement (EIR/EIS) for the I-605 Freeway Corridor Improvements Project (CIP). Due to the Metro Board adopted ExpressLane strategic plan (File #2016-0999), regulatory agency requirements from Environmental Protection Agency (EPA), and Caltrans direction, contract modifications are required to cover new work not included in the original scopes of work. The Contract Modifications will fund additional studies associated with the consideration of ExpressLanes as new build alternatives on I-605, and direct connectors at I-605/I-105 and I-605/I-10.

DISCUSSION

The I-605 CIP study encompasses a 21-mile long corridor that extends from I-105 to I-10. I-605 is one of the most congested freeways in the Los Angeles Metropolitan Area, especially between I-105 and I-10. As a result of continued growth in the region's population and goods movement, further traffic demand along the corridor will continue to degrade freeway operations.

In order to ease congestion, plan for further growth and address operational and safety improvements needed along the corridor, Metro awarded two PAED contracts for improvements on I-605.

Contract No. AE333410011375, PAED services for the I-605/I-5 Interchange was issued in October 2015 to Parsons Transportation Group. The limits of the I-605/I-5 project were set to be between I-105 and Slauson Ave on I-605, and from Florence Blvd to Paramount Blvd on I-5.

Contract No. AE5204200, PAED services for the I-605/SR-60 Interchange was issued in September 2016 to HDR Engineering, Inc. The limits of the I-605/SR-60 project were to be between Telegraph Rd and the I-10 interchange on I-605, and from Santa Anita Ave to east of Turnbull Canyon Rd on SR-60.

Both of these projects were funded via line 35 of the Measure R expenditure plan, "Interstate 605 Corridor "Hot Spots" Interchanges." The scope of services of each of these two contracts was independent of each other with the exception of coordination at the shared termini at Slauson Ave. The limits of each project were identified in the scopes of work for the two contracts. Two contracts were awarded to develop two separate EIR/EISs for I-605/I-5 and I-605/SR-60.

After the contracts were awarded, Caltrans District 7 determined that due to logical termini, the two projects had to be combined. The combined scopes would be pursued as one EIR/EIS. The project title has been revised to the I-605 Corridor Improvements Project (I-605 CIP).

In November 2016, during the public scoping process for the I-605 CIP, comments were received from regulatory agencies on the project. The EPA requested the consideration of "additional High Occupancy Vehicle Lane and Toll Lanes (HOT) on Northbound and Southbound I-605." These improvements were not originally included in the scope of the contracts.

In January 2017, Metro's Congestion Reduction Department, in response to the November 6, 2014 Board Motion Item 59, presented the ExpressLanes Strategic Plan which the Board approved. This Board action authorized the initiation of planning studies for Tier 1 ExpressLane projects (File 2016-0999) which included ExpressLanes on I-605 from the Los Angeles/Orange County line to I-10.

Due to Caltrans' determination to move forward with one EIR/EIS for I-605 from I-105 to I-10, EPA's request to evaluate HOV and HOT Alternatives, and Metro's Board direction to Implement Tier 1 of the ExpressLane Strategic Plan, the two existing contracts must be modified. The Contract Modifications will cover the following: added coordination efforts between the two firms to produce one EIR/EIS not included in their original contracts; the evaluation of HOT/HOV alternatives on I-605; and design and environmental clearance of the HOT/HOV Direct connectors at I-605/I-10 and I-605/I-

105 interchanges.

DETERMINATION OF SAFETY IMPACT

The I-605 Corridor Improvements Project scope, schedule, and budget will have no impact to the safety of Metro's patrons, employees or the general public.

FINANCIAL IMPACT

Funding for the scope elements to be added to Contract No. AE333410011375 (I-605/I-5) and AE5204200 (I-605/SR-60) for the I-605 CIP are included in the FY18 budget. For the I-605/I-5, FY18 budget of \$4.0M is included in the Highway Program, Cost Center 4730, under Project 461314, task 5.2.100, Account 50316 (Professional Services). For I-605/SR-60, FY18 budget of \$4.0M is also included in Highway Program, Cost Center 4730, under Project 463314, task 5.2.100, in Account 50316 (Professional Services).

Since this is a multiyear project, the Project Manager, the cost center manager and the Senior Executive Officer of the Highway Program or designee will continue to be responsible for budgeting costs in future fiscal years.

Impact to Budget

At this time, a total of \$8.0M is available in FY18 to fund the recommendations and address project invoicing activities. If by mid-year, Highway project management anticipates cashflow expenditures to exceed the current FY18 budget, staff will revisit the budgetary needs using the mid-year budget adjustment process.

The source of funds for this project is Measure R (20%) Highway funds and local Measure Administrative funds. These funds are solely planned for highway related projects as identified in the Measure R Ordinance. It is not eligible for bus and rail operations or non Highway capital project expenditures. No other funds were considered.

ALTERNATIVES CONSIDERED

The Board may elect not to approve the proposed Contract Modifications. This option is not recommended. Completing the environmental document for the project is a necessary step in developing improvements included in the Measure R expenditure plan. Additionally, Board direction to develop Tier 1 of the ExpressLane Strategic Plan could not be undertaken. Board approval would allow the project to move forward.

NEXT STEPS

Upon approval by the Board, staff will execute the Contract Modifications with HDR Engineering and Parsons Transportation Group.

ATTACHMENTS

Attachment A-1 - Procurement Summary, HDR Engineering, Inc.

Attachment A-2 - Procurement Summary, Parsons Transportation Group, Inc.

Attachment B-1 - Contract Modification/Change Order Log, HDR Engineering, Inc.

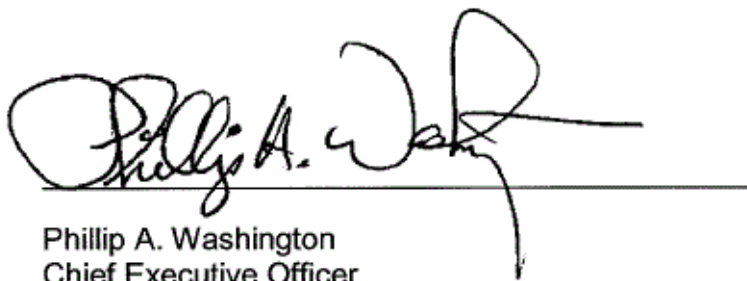
Attachment B-2 - Contract Modification/Change Order Log, Parsons Transportation Group, Inc.

Attachment C-1 - DEOD Summary, HDR Engineering, Inc.

Attachment C-2 - DEOD Summary, Parsons Transportation Group, Inc.

Prepared by: Isidro Panuco, Mgr. Transportation Planning, Highway Program (213) 418-3208
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Abdollah Ansari, Senior Executive Officer, (213) 922-4781

Reviewed by: Debra Avila, Chief Vendor/Contract Management Officer, (213) 418-3051
Stephanie Wiggins, Deputy Chief Executive Officer, (213) 922-1023
Richard F. Clarke, Chief Program Management Officer, (213) 922-7557



Phillip A. Washington
Chief Executive Officer

PROCUREMENT SUMMARY – HDR ENGINEERING, INC.

CONTRACT MODIFICATIONS FOR PRELIMINARY ENGINEERING AND ENVIRONMENTAL DOCUMENT (PAED) SERVICES FOR I-605/SR-60, AND I-605/I-5 INTERCHANGES/AE5204200

1.	Contract Number: AE5204200		
2.	Contractor: HDR Engineering, Inc.		
3.	Mod. Work Description: Additional tasks to support I-605/SR-60 project new build alternatives, direct connectors, and combined EIR/EIS.		
4.	Contract Work Description: Project Approval and Environmental Document for the I-605/SR-60 Interchange		
5.	The following data is current as of: 09/20/17		
6.	Contract Completion Status		Financial Status
	Contract Awarded:	06/23/16	Contract Award Amount: \$33,660,430
			Total of Modifications Approved: \$0
	Original Complete Date:	07/07/20	Pending Modifications (including this action): \$4,898,641
	Current Est. Complete Date:	05/30/21	Current Contract Value (with this action): \$38,559,071
7.	Contract Administrator: Adrian Ziemer		Telephone Number: 213-922-1109
8.	Project Manager: Isidro Panuco		Telephone Number: 213-418-3208

A. Procurement Background

This Board Action is to approve Contract Modification No. 1 issued in support of combining the Environmental Impact Report/Environmental Impact Statement (EIR/EIS) within the PAED phases of the I-605/SR-60 segment and the I-605/I-5 segment into one report as directed by Caltrans.

This Contract Modification was processed in accordance with Metro's Acquisition Policy and the contract type is a firm fixed price.

On June 23, 2016, the Board approved award of firm fixed price Contract No. AE5204200 to HDR Engineering, Inc., in the amount of \$33,660,430, for Architectural and Engineering (A&E) services for the preparation of the Project Approval and Environmental Document (PA&ED) on Interstate 605 & State Route 60 (I-605/SR-60) Interchange.

Refer to Attachment B-1 – Contract Modification/Change Order Log.

B. Cost Analysis

The recommended price has been determined to be fair and reasonable based upon an independent cost estimate (ICE), cost analysis, technical analysis, fact finding, and negotiations. Metro's ICE overestimated the level of effort required for certain environmental and design tasks. All direct labor rates and fee remain unchanged from the original contract.

Proposal Amount	Metro ICE	Negotiated Amount
\$5,425,291	\$6,347,868	\$4,898,641

PROCUREMENT SUMMARY – PARSONS TRANSPORTATION GROUP, INC.

CONTRACT MODIFICATIONS FOR PRELIMINARY ENGINEERING AND ENVIRONMENTAL DOCUMENT (PAED) SERVICES FOR I-605/SR-60, AND I-605/I-5 INTERCHANGES/AE333410011375

1.	Contract Number: AE333410011375		
2.	Contractor: Parsons Transportation Group, Inc.		
3.	Mod. Work Description: Additional tasks to support I-605/I-5 project new build alternatives, direct connectors, and combined EIR/EIS.		
4.	Contract Work Description: Project Approval and Environmental Document for the I-605/I-5 Interchange		
5.	The following data is current as of: 09/20/17		
6.	Contract Completion Status		Financial Status
	Contract Awarded:	09/24/15	Contract Award Amount: \$20,697,227
			Total of Modifications Approved: \$0
	Original Complete Date:	09/01/19	Pending Modifications (including this action): \$8,026,472
	Current Est. Complete Date	05/30/21	Current Contract Value (with this action): \$28,723,699
7.	Contract Administrator: Adrian Ziemer		Telephone Number: 213-922-1109
8.	Project Manager: Isidro Panuco		Telephone Number: 213-418-3208

A. Procurement Background

This Board Action is to approve Contract Modification No. 1 issued in support of combining the Environmental Impact Report/Environmental Impact Statement (EIR/EIS) within the PAED phases of the I-605/SR-60 segment and the I-605/I-5 segment into one report as directed by Caltrans.

This Contract Modification was processed in accordance with Metro's Acquisition Policy and the contract type is a firm fixed price.

On September 24, 2015, the Board approved award of firm fixed Contract No. AE333410011375 to Parsons Transportation Group, Inc. in the amount of \$20,697,227, for Architectural and Engineering (A&E) services for the preparation of the Project Approval and Environmental Document (PA&ED) for the I-605/I-5 Interchange.

Refer to Attachment B-2 – Contract Modification/Change Order Log.

B. Cost Analysis

The recommended price has been determined to be fair and reasonable based upon an independent cost estimate (ICE), cost analysis, technical analysis, fact finding, and negotiations. Metro's ICE overestimated the level of effort required for certain environmental and design tasks. All direct labor rates and fee remain unchanged from the original contract.

Proposal Amount	Metro ICE	Negotiated Amount
\$9,303,481	\$9,454,995	\$8,026,472

CONTRACT MODIFICATION/CHANGE ORDER LOG – HDR ENGINEERING, INC.

CONTRACT MODIFICATIONS FOR PRELIMINARY ENGINEERING AND ENVIRONMENTAL DOCUMENT (PAED) SERVICES FOR I-605/SR-60, AND I-605/I-5 INTERCHANGES/AE5204200

Mod. No.	Description	Status (approved or pending)	Date	\$ Amount
1	I-605/SR-60 project new build alternatives, direct connectors & combined EIS/EIR.	Pending	Pending	\$4,898,641
	Modification Total:			\$4,898,641
	Original Contract:	6/23/16		\$33,660,430
	Total:			\$38,559,071

ATTACHMENT B-2

**CONTRACT MODIFICATION/CHANGE ORDER LOG -
PARSONS TRANSPORTATION GROUP, INC.**

**CONTRACT MODIFICATIONS FOR PRELIMINARY ENGINEERING AND
ENVIRONMENTAL DOCUMENT (PAED) SERVICES FOR I-605/SR-60, AND I-605/I-5
INTERCHANGES/AE333410011375**

Mod. No.	Description	Status (approved or pending)	Date	\$ Amount
1	I-605/I-5 project new build alternatives, direct connectors, and combined EIR/EIS.	Pending	Pending	\$8,026,472
	Modification Total:			\$8,026,472
	Original Contract:	09/24/15		\$20,697,227
	Total:			\$28,723,699

DEOD SUMMARY

CONTRACT MODIFICATIONS FOR PRELIMINARY ENGINEERING AND ENVIRONMENTAL DOCUMENT (PAED) SERVICES FOR THE I-605/SR-60, AND I-605/I-5 INTERCHANGES/AE5204200

A. Small Business Participation

HDR Engineering (HDR) made a 34.24% SBE and 3.06% DVBE commitment. HDR is exceeding their current commitment with an SBE participation of 34.31%; HDR's current DVBE participation is 1.72%, a shortfall of 1.34%. HDR explained that the DVBE shortfall resulted from Caltrans' direction to eliminate scope that Global Environmental Network had initially been contracted to perform. Metro's Project Manager confirmed that this work would be postponed until the next phase of work on a separate future contract. HDR is actively interviewing additional qualified DVBE firms to meet or exceed the SBE/DVBE commitments with the scope that remains for this Contract.

Small Business Commitment	34.24% SBE 3.06% DVBE	Small Business Participation	34.31% SBE 1.72% DVBE
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	SBE Subcontractors	% Committed	% Participation
1.	Arellano Associates, LLC	1.45%	1.48%
2.	Civil Works Engineers, Inc.	0.27%	0.00%
3.	D'Leon Consulting Engineers	0.19%	0.00%
4.	Earth Mechanics	0.58%	0.43%
5.	GPA Consulting	10.87%	7.29%
6.	Geo-Advantec, Inc.	0.41%	1.60%
7.	Guida Surveying Inc.	2.04%	10.30%
8.	Intueor Consulting	0.40%	0.75%
9.	T&T Public Relations Inc.	0.77%	0.63%
10.	Tatsumi and Partners	0.52%	0.01%
11.	WKE Inc.	16.74%	11.82%
	Total Commitment	34.24%	34.31%

	DVBE Subcontractors	% Committed	% Participation
1.	Calvada Surveying Inc	0.78%	1.61%
2.	Global Environmental Network Inc.	1.20%	0.00%
3.	ZMassociates Environmental	1.08%	0.11%
	Total Commitment	3.06%	1.72%

B. Living Wage and Service Contract Worker Retention Policy Applicability

The Living Wage and Service Contract Worker Retention Policy (LW/SCWRP) is not applicable to this Contract.

C. Prevailing Wage Applicability

Prevailing Wage requirements are applicable to this project. DEOD will continue to monitor contractors' compliance with the State of California Department of Industrial Relations (DIR), California Labor Code, and, if federally funded, the U S Department of Labor (DOL) Davis Bacon and Related Acts (DBRA). Trades that may be covered include: surveying, potholing, field, soils and materials testing, building construction inspection, construction management and other support trades.

D. Project Labor Agreement/Construction Careers Policy

Project Labor Agreement/Construction Careers Policy is not applicable to this Contract.

DEOD SUMMARY – PARSONS TRANSPORTATION GROUP, INC.**CONTRACT MODIFICATIONS FOR PRELIMINARY ENGINEERING AND ENVIRONMENTAL DOCUMENT (PAED) SERVICES FOR I-605/SR-60, AND I-605/I-5 INTERCHANGES/AE333410011375****A. Small Business Participation**

Parsons Transportation Group, Inc. (PTG) made a 27% SBE and 3% DVBE commitment. PTG is exceeding their SBE commitment with an SBE participation of 31.04%, and has a current DVBE participation of 0%, a DVBE shortfall of 3%. PTG was contacted to ascertain the reason behind their DVBE shortfall. According to PTG, their DVBE subcontractors, Global Environmental Network, Inc. and ZMassociates Environmental Corp., both have scopes that are yet to be utilized; however, they expect to begin work on the project in late 2017. PTG is projected to meet their SBE and DVBE commitments.

Small Business Goal	SBE 27% DVBE 3%	Small Business Commitment	SBE 27% DVBE 3%
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	SBE Subcontractors	% Committed	% Participation
1.	Arellano Associates, LLC	1.67%	1.32%
2.	D'Leon Consulting Engineers	0.47%	0.16%
3.	Earth Mechanics, Inc.	1.92%	0.56%
4.	Guida Surveying Inc.	5.75%	11.53%
5.	Value Management Strategies	0.19%	0.00%
6.	WKE Inc.	16.16%	16.22%
7.	Wagner Engineering & Survey	0.84%	1.25%
	Total Commitment	27.00%	31.04%

	DVBE Subcontractors	% Committed	% Participation
1.	Global Environmental Network Inc.	1.50%	0.00%
2.	ZMassociates Environmental Corp.	1.50%	0.00%
	Total Commitment	3.00%	0.00%

B. Living Wage and Service Contract Worker Retention Policy Applicability

The Living Wage and Service Contract Worker Retention Policy (LW/SCWRP) is not applicable to this Contract.

C. Prevailing Wage Applicability

Prevailing Wage requirements are applicable to this project. DEOD will continue to monitor contractors' compliance with the State of California Department of Industrial Relations (DIR), California Labor Code, and, if federally funded, the U S Department of Labor (DOL) Davis Bacon and Related Acts (DBRA). Trades that may be covered include: surveying, potholing, field, soils and materials testing, building construction inspection, construction management and other support trades.

D. Project Labor Agreement/Construction Careers Policy

Project Labor Agreement/Construction Careers Policy is not applicable to this Contract.



Board Report

File #: 2017-0573, File Type: Program

Agenda Number: 9.

AD HOC CONGESTION, HIGHWAY AND ROADS COMMITTEE OCTOBER 18, 2017

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

ACTION: APPROVE ADOPTION OF UPDATED SUBREGIONAL PROJECT LIST

RECOMMENDATION

CONSIDER:

- A. APPROVING \$30.261 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. APPROVING time extensions for 7 projects as shown in Attachment B; and
- C. 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.

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.

At the April 2017 Board meeting (File#2017-0098), revised project lists and funding allocations for the Highway Capital were approved. This update recommends changes requested by each subregion.

The changes in this update include \$30,261 million in additional programming for 15 projects which are either new or existing, in three subregions - Arroyo Verdugo, Las Virgenes Malibu and Gateway Cities - 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

Through Measure R, the subregion has completed 11 projects and expended \$27 million. The subregion has identified 44 projects and currently has agreements executed for 31 active projects which are in planning, design, or construction phases. The updated subregional project list includes funding adjustments for 10 existing projects and includes 1 new project recommended by the Subregion.

City of Burbank

- Reprogram funding for MR310.06 - San Fernando Rd/ Burbank Blvd Intersection Improvements Project. \$1,735,000 programmed in FY14 will be reprogrammed into FY18. The project remains unchanged at \$2,325,000. The city has completed design and right of way acquisition for the project, funds are being reprogrammed to align with the construction schedule. It is anticipated that the project will begin construction in early 2018.

City of Glendale

- Deobligate \$909,058 from MR310.19 - Traffic Signals Sync Brand/Colorado-San Fernando/Glendale-Verdugo Project. The revised project budget is \$340,941.29. The project has been completed and audited. The project savings will be deobligated and reprogrammed into another Measure R project.
- Deobligate \$2,744 from MR310.20 - Vergudo Rd/ Honolulu Ave/ Verdugo Blvd Intersection Modifications. The revised project budget is \$397,256.18. The project has been completed and audited. The project savings will be deobligated and reprogrammed into another Measure R project.
- Deobligate \$55,717 from MR310.24 - Construction of Bicycle Facilities. The revised project budget is \$244,283.30. The project has been completed and audited. The project savings will be deobligated and reprogrammed into another Measure R project.
- Deobligate \$276,796 from MR310.42 - Arden Ave. (from Highland Ave. to Kenilworth St.) improvements. The revised project budget is \$623,204. The project has been completed and audited. The project savings will be deobligated and reprogrammed into another Measure R project.
- Reprogram funding for MR310.25 - I-210 Soundwalls Project. \$1,520,000 programmed in FY17 will be programmed in FY18, \$3,000,000 programmed in FY18 will be programmed in FY19. The total project budget remains unchanged at \$4,520,000. Funds are being reprogrammed due to a delay in initiating the Noise Barrier Scope Summary Report by Caltrans for the Project.
- Reprogram funding for MR310.36 - Signalization of SR-2 Freeway Ramps at Holly. \$100,000 programmed in FY17 will be programmed in FY19, and \$500,000 programmed FY18 programmed into FY20. The project budget remains unchanged at \$600,000. Funds are being reprogrammed as the project will be implemented at a later date.
- Reprogram funding for MR310.37 - Verdugo Blvd Traffic Signal Modification at Valihi Way and SR-2. \$50,000 programmed in FY17 will be programmed in FY18, and \$550,000 programmed in FY17 will be reprogrammed in FY19. The project budget remains unchanged at of \$600,000. Funds are being reprogrammed due to the city's request and plan to initiate the project at a later date than originally planned.
- Reprogram funding for MR310.39 - Widening SR-2 Freeway Ramps at Mountain. \$150,000 programmed in FY17 will be reprogrammed to FY19 and the \$1,050,000 programmed in FY18 will be reprogrammed to FY20. The project budget remains unchanged at \$1,200,000. The city wants to initiate the project at a later date than originally planned.
- Program \$1,800,000 for Traffic Signal Modifications & Upgrades on Honolulu Ave. Funds will be programmed as follows, \$150,000 in FY18 and \$1,650,000 in FY19 for a total project budget of \$1,800,000. Signal improvements will be designed and constructed for five intersections on Honolulu Ave and the intersection of Montrose Ave/Pennsylvania Ave. By

updating the traffic signals on Honolulu Ave and at the intersection of Montrose Ave/Pennsylvania Ave, the City will be able to adjust signal timing for varying traffic conditions and I-210 diverted traffic.

Measure R NEXUS to Highway Operational Definition: This project will design and construct traffic signal improvements on Honolulu Ave and at the intersection of Montrose Ave/Pennsylvania Ave. This project is an eligible project in the traffic signal upgrade category of the Highway Operational Improvements. Honolulu Ave is located south of I-210 and is an east/west paralleling arterial to the freeway. The arterial is two blocks south of the freeway and Montrose Ave/Pennsylvania is two blocks from the I-210 Pennsylvania Ave interchange.

Metro

- Reprogram funding for MR310.29 - NBSSR Soundwalls on I-210 Glendale/La Crescenta-Montrose. \$300,000 is currently programmed in FY16-17. \$200,000 will be reprogrammed to FY17-18 and \$100,000 will be deobligated from the project. Total programmed dollars in FY17-18 is \$700,000. The project budget has been reduced from \$800,000 to \$700,000. Funds are being reprogrammed due to a delay in initiating the NBSSR by Caltrans.

Highway Operational Improvements in Las Virgenes Malibu Subregion

Through Measure R, the subregion has completed 5 projects and expended \$88 million. The subregion has identified 23 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 3 projects currently pursued by the Las Virgenes Malibu Subregion.

City of Agoura Hills

- Program an additional \$7,000,000 for MR311.03 - Palo Comado Interchange. The funds will be programmed as follows, \$2,000,000 in FY18 and \$5,000,000 in FY19. The revised project budget is \$11,000,000. The additional \$7,000,000 is being contributed from the LA County share of the Highway Operational Improvements in the Las Virgenes Malibu subfund. The additional project funds will be used for design and right of way acquisition for the project.

City of Malibu

- Program an additional \$1,000,000 for MR311.24 - Malibu/Civic Center Way Widening Project. The funds will be programmed in FY18. The revised project budget is \$4,000,000. These funds will cover revised construction cost estimates for the project.

City of Hidden Hills

- Program an additional \$2,000,000 for MR311.34 - Long Valley Road/Valley Circle/US101 On-Ramp Improvements. The funds will be programmed in FY19. The revised project budget is \$5,700,000. In July 2017 Board report (2017-0408) approved \$2,700,000. The additional \$2,000,000 is being contributed from the LA County share of the Highway Operational

Improvements in the Las Virgenes Malibu subfund. Additional funds are being programmed to fully fund the project scope.

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 \$61 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 13 projects and includes 2 new projects recommended by the South Bay subregion.

Carson

- Deobligate \$1,158,000 from MR312.37 - The Sepulveda Blvd Widening Project from Alameda St. to ICTF Driveway. The city is no longer proceeding with this project at this time and has requested the deobligation of funds and the cancelation of the funding agreement for the project. No expenditures have been incurred to date for this project.

County of Los Angeles

- Deobligate \$8,434,300 from MR312.16 - Del Amo Blvd Improvements Project. The revised project budget is \$15,063,700. The project will soon complete its planning study. Funds are being deobligated from this project as they are not required at this time. Total funds expended for the Project Study Report are \$296,159. The excess funds are being reprogrammed into other projects which will commence work in the coming fiscal year.
- Program \$2,000,000 for the South Bay Arterial System Detection Project. The funds will be programmed over two fiscal years, \$1,000,000 in FY18 and \$1,000,000 in FY19. The total project budget is \$2,000,000. This project will install system detection, video detection and Bluetooth travel time measurement devices on 26 arterials in the South Bay.

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

Hermosa Beach

- Program an additional \$194,000 for MR312.05 - Pacific Coast Highway (SR-1/PCH) Improvements between Anita St. and Artesia Blvd. The funds will be programmed in FY18. The total project budget is \$498,000. Due to Caltrans design requirement changes, the project construction cost estimate has been revised and increased.

Inglewood

- Program \$205,000 for the Prairie Ave Signal Synchronization project. Funds will be

programmed in FY18. The total project budget is \$205,000. This project will synchronize Prairie Ave from Florence Ave to Imperial Highway. Average daily traffic on Prairie ranges between 33,700 and 35,000 vehicles. Prairie Ave synchronization will establish peak hour coordination as well as event traffic management.

Measure R NEXUS to Highway Operational Definition: This project is an eligible signal synchronization project. This project will reduce am and pm delays on Prairie Ave. Prairie Ave provides direct access to I-105 and major destination centers, the Forum and Hollywood Park. This project is an eligible Highway Operational Improvements.

Lawndale

- Deobligate \$457,000 from MR312.15 - Inglewood Ave Widening from 156th St. to I-405 Southbound on-ramp. The City is no longer moving forward with the project. Some of this project's scope elements have been incorporated into an existing call for projects grant (CFP F1198). Expenditures to-date for the agreement are \$43,034.40. Staff will commence an audit of all project expenditures and close out the agreement.
- Deobligate \$621,682 from MR312.36 - ITS: Lawndale Citywide Improvements Project. The total completed project budget is \$878,318. 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.

Lomita

- Program \$606,000 for MR312.43 - Intersection Improvements at Western and Palos Verdes Dr. and PCH/Walnut. The funds will be programmed in FY18. The revised project budget is \$1,506,000. The City advertised the project and bids came in above the engineers estimate. The requested funds are for unanticipated construction costs. The city will start construction in winter of 2017.

Redondo Beach

- Program an additional \$69,000 for MR312.08 - PCH at Palos Verdes Blvd Intersection Improvements (WB right turn lane) project. The funds will be programmed in FY18. The revised project budget is \$389,000. The City has advertised the project and bids came in higher than the engineers estimate.

Torrance

- Program an additional \$7,600,000 for MR312.23 - Torrance Transit Park and Ride Regional Terminal Project. The revised Measure R share of the project is \$25,700,000. The funds will be programmed in FY19. The city is also committing an additional \$3,564,119 to the project. The total revised project budget is \$29,264,119. Due to increased project scope elements not originally included in the projects estimate, the engineers estimate has increased for this project. Additionally, the project has been advertised and bids received are higher than the

initial engineer's estimate.

Metro/Caltrans

- Deobligate \$4,900,000 from MR312.24 - I-110 Aux Lane from SR-91 to Torrance Blvd and I-405/I-110 Connector project. The revised project budget is \$15,100,000 million. This project has completed PA&ED and Design and construction will commence in winter 2017. The remaining funds will be used for future development of other Highway Improvement Projects in the South Bay.
- Program and additional \$4,400,000 for MR312.25 - I-405 at 182nd St./ Crenshaw Blvd Improvements. The revised project budget is \$24,400,000 million. This project is currently in design and the additional funds will fully fund the Plans Specifications Estimates and Right of Way acquisition for the project.
- Program an additional \$200,000 for MR312.30 - Feasibility Study for I-405 from I-110 to I-105 and I-105 from I-405 to I-110. The revised project budget is \$600,000. This project will develop a PSR for improvements on I-405 in the South Bay Subregion.
- Program an additional \$300,000 for MR312.55 - Feasibility Study for I-405 from I-110 to I-105 and I-105 from I-405 to I-110. The revised project budget is \$600,000. This project will develop a PSR for improvements on I-405 in the South Bay Subregion.

I-605 Corridor "Hot Spots" Interchanges

Through Measure R, the Gateway Cities Subregion has expended \$44 million, identified 38 projects and currently has agreements executed for 24 active projects, which are in planning, design or construction phases. The updated subregional project list includes adjustments for 3 project and the addition of 5 new projects recommended by the 91/605/405 Technical Advisory Committee.

Metro

- Program \$500,000 for the Eastbound (E/B) SR-91 Atlantic Ave to Cherry Ave Auxiliary Lane Project. The project will complete Project Approval and Environmental Document (PA&ED) and Plans, Specifications, and Estimates (PS&E). The funds will be programmed over two fiscal years: \$250,000 in FY18 and \$250,000 in FY19. The total programmed for the project is \$500,000. This number will be revised based upon the Board's approval of the upcoming contract.

Measure R NEXUS to Highway Operational Definition: This project will provide an auxiliary lane to allow for additional merging distance for vehicles entering eastbound SR-91 from the I-710 freeway. This project will reduce congestion and improve freeway operations (both mainline and ramps), improve safety and the local system interchange operations. This is an eligible Measure R Highway Operational Improvement.

- Program \$500,000 for the SR-91 Central Ave Interchange Improvements Project. The project will complete Approval and Environmental Document (PA&ED) and Plans, Specifications, and

Estimates (PS&E). The funds will be programmed over two fiscal years: \$250,000 in FY18 and \$250,000 in FY19. The total programmed for the project is \$500,000. This number will be revised based upon the Board's approval of the upcoming contract.

Measure R NEXUS to Highway Operational Definition: This project will reconfigure the Central Avenue Interchange on/off ramps at the SR-91 to reduce congestion and improve safety and the local interchange operations. This is an eligible Measure R Highway Operational Improvement.

- Program \$500,000 for the I-605/Peck Road Interchange Project. The project will complete Project Approval and Environmental Document (PA&ED) and Plans, Specifications, and Estimates (PS&E). The funds will be programmed over two fiscal years: \$250,000 in FY18 and \$250,000 in FY19. The total programmed for the project is \$500,000. This number will be revised based upon the Board's approval of the upcoming contract.

Measure R NEXUS to Highway Operational Definition: This project will environmentally clear and design the I-605/Peck Rd interchange 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 \$500,000 for the I-605 Valley Blvd Interchange Improvement Project. The project will complete Approval and Environmental Document (PA&ED) and Plans, Specifications, and Estimates (PS&E) for the local interchange. The funds will be programmed over two fiscal years: \$250,000 in FY18 and \$250,000 in FY19. The total programmed for project is \$500,000. This number will be revised based upon the Board's approval of the upcoming contract.

Measure R NEXUS to Highway Operational Definition: This project will reconfigure the I-605 Valley Blvd 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.

City of Downey

- Program \$1,300,000 for MR315.14 - Lakewood Blvd at Firestone Blvd Intersection Improvement. Funds will be programmed as follows: \$1,300,000 in FY18. The revised project budget is \$4,060,000. This project proposes to widen Lakewood Blvd on both directions by adding a SB and NB left turn lane, reducing the queuing during peak periods. This intersection is currently operating at a deficient level of service D or F during peak traffic hours.

City of Long Beach

- Program an additional \$100,000 for MR315.60 - I-605 Soundwall Design Phase (near Spring St) Project. The revised project budget is \$554,300. The funds will be programmed as follows: \$50,000 in Prior Years; \$200,000 in FY18, and \$100,000 in FY19. The increase is for a 3D

digital terrain model (DTM), topo mapping, Caltrans permit inspection fees, and additional potholing not included in the original cost estimate.

City of Santa Fe Springs

- Program an additional \$300,000 for MR315.40 - Rosecrans Ave and Valley View Intersection Improvement Project. The funds will be programmed as follows: \$524,000 in Prior Years and \$300,000 in FY18. The revised project budget is \$824,000. The additional funding is for the right-of-way acquisition, a cost not originally anticipated for the project.
- Deobligate \$300,000 from Prior Years for MR315.41 Valley View - Alondra Ave Intersection Improvements. The revised project budget is \$2,667,000. Project savings were incurred during the right-of-way phase and are not required for construction. The funds are being deobligated and reprogrammed into MR315.40 - Rosecrans Ave and Valley View Intersection Improvement Project.

I-710 South and/or Early Action Projects

Through Measure R, the Gateway Cities subregion has completed 3 projects and expended \$75 million. The subregion has identified 16 projects and currently has agreements executed for 10 active projects which are in planning, design, or construction phases. The updated subregional project list includes funding adjustments for 10 projects and includes 5 new projects recommended by the I-710 Technical Advisory Committee.

Metro

- Program \$7,000,000 for Construction and Right-of-Way (ROW) services for the I-710 Early Action Soundwall Package 2. The funds will be programmed over two fiscal years: \$1,000,000 in FY19 and \$6,000,000 in FY20. The total programmed for Construction and ROW is \$7,000,000. This number will be revised upon contract approval from the Board.

Measure R NEXUS to Highway Operational Definition: This is an early action soundwall project of the I-710 Corridor Project, currently in PS&E phase. The improvements are located in Bell Gardens, Compton and unincorporated LA County. This is an eligible Measure R Highway Operational Improvement.

- Program \$200,000 in FY18 for utility relocation design services to Southern California Edison (SCE) in support of the I-710 Soundwall Early Action Package 2. The total programmed for utility relocation design of SCE facilities is up to \$200,000.

Measure R NEXUS to Highway Operational Definition: This funding is for third party support of the I-710 Early Action Soundwall Package 3, currently in PS&E phase. The improvements are located in the City of Long Beach. This is an eligible Measure R Highway Operational Improvement.

- Funding allocation split for MR306.38 - Sustainable Transportation Planning Grant/I-710

Livability initiative. Measure R in an amount of \$64,800 is the local match to a \$500,000 grant provided by Caltrans. Of the \$64,800 match amount, \$28,000 will be provided to the Gateway Cities COG for technical grant assistance/support. The Measure R amount remains the same, however, separate agreements may be necessary to allow the COG to access these funds.

County of Los Angeles

- Program an additional \$59,000 for MR306.16 - staff support for review of the Draft I-710 South EIR/EIS. The revised project budget is \$157,000. Funds will be reprogrammed as follows: \$84,500 in Prior Years, and \$72,500 in FY18. This project's funds are being reprogrammed to align with the review period for the 2012 I-710 South Draft EIR/EIS and the 2017 I-710 South RDEIR/SDEIS.

City of Bell

- Reprogram \$136,000 into two fiscal years for MR306.07 - staff support for the review of the Draft I-710 South EIR/EIS. Funds will be reprogrammed as follows: \$60,900 in Prior Years, and \$75,100 in FY18. The revised project budget has been reduced from \$150,000 to \$136,000. This project's funds are being reprogrammed to align with the review period of the 2012 I-710 South Draft EIR/EIS and the 2017 I-710 South RDEIR/SDEIS.
- Program \$2,240,000 for Gage Avenue Bridge Replacement Project. The funds will be programmed in FY19. The total project budget for Preliminary Engineering phase is \$19,480,000. The funds are a local match to a federal grant the city of Bell secured for the project. The project consists of replacement and widening of existing bridge and widening of roadway approaches.

Measure R NEXUS to Highway Operational Definition: This is a bridge replacement and widening project. The project will address operational deficiencies and provide space for future bike facilities. The improvements are within a mile of I-710 and are consistent with the future improvements. This is an eligible Measure R Highway Operational Improvement.

- Program \$2,040,000 for Slauson Ave Bridge Replacement Project. The funds will be programmed in FY19. The total project budget for Preliminary Engineering phase is \$17,045,000. The funds will be used as the local match to a federal grant the city of Bell secured for the project. The project consists of replacement and widening of existing bridge and widening of roadway approaches.

Measure R NEXUS to Highway Operational Definition: This is a bridge replacement and widening project. The project will address operational deficiencies and provide space for future bike facilities. The improvements are within a mile of I-710 and are consistent with the future improvements. This is an eligible Measure R Highway Operational Improvement.

City of Bell Gardens

- Reprogram \$152,000 into two fiscal years for MR306.08 - staff support for the review of the Draft I-710 South EIR/EIS. Funds will be reprogrammed as follows: \$68,113 in Prior Years, and \$84,249 in FY18. The revised project budget has been reduced from \$154,000 to \$152,400. This project's funds are being reprogrammed to align with the review period for the 2012 I-710 South Draft EIR/EIS and the 2017 I-710 South RDEIR/SDEIS.
- Program an additional \$873,068 for MR306.30 - Florence Ave/Eastern Ave Intersection Widening (Call Match) F7120. The funds will be programmed as follows: \$659,044 in FY17 and \$562,024 in FY18 for a total project budget of \$1,221,068. This project is a local match to F7120 and funds are being programmed to align with the Call for Projects programmed years.

City of Downey

- Reprogram \$120,000 into two fiscal years for MR306.18 - staff support for the review of the Draft I-710 South EIR/EIS. Funds will be reprogrammed as follows: \$9,994 in Prior Years and \$110,000 in FY18. The revised project budget is \$120,000. This project's funds are being reprogrammed to align with the review period for the 2012 I-710 South Draft EIR/EIS review and the 2017 I-710 South DEIR/SDEIS.
- Deobligate \$100,000 from MR306.20 - Paramount Blvd/Firestone Blvd Project. The project was completed with a project savings of \$100,000. The programmed amount for this project will be reduced to \$3,169,492 to \$3,069,492. Project savings will be repurposed into another I-710 South Early Action Project.
- Program an additional \$100,000 for MR306.41 - Firestone Blvd Improvement Project (Old River Road and the west city limit). The funds will be programmed in FY18. The revised project budget is \$323,000. These funds are direct savings from the Paramount Blvd/Firestone Project. The funds will be for the PS&E and construction phases of the project.

City of Long Beach

- Reprogram \$146,009 into two fiscal years for MR306.11 - staff support for the review of the Draft I-710 South EIR/EIS. Funds will be reprogrammed as follows: \$46,009 in Prior Years and \$100,000 in FY18. The revised project budget is \$146,000. This project's funds are being

reprogrammed to align with the review period of the 2012 I-710 South Draft EIR/EIS and the 2017 I-710 South RDEIR/SDEIS.

City of Lynwood

- Program \$20,000 in FY18 for staff support for the review of the 2017 Recirculated I-710 South RDEIR/SDEIS. Funds will be programmed as follows: \$20,000 in FY17-18.

City of Paramount

- Reprogram \$130,000 into two fiscal years for MR306.13 - staff support for the review of the Draft I-710 South EIR/EIS. Funds will be reprogrammed as follows: \$50,000 in Prior Years and \$80,000 in FY18. The revised project budget is \$130,000. This project's funds are being reprogrammed to align with the review period of the 2012 I-710 South Draft EIR/EIS and the 2017 I-710 South RDEIR/SDEIS.
- Program an additional \$750,000 for MR306.32 - Garfield Ave Improvements. Funds will be programmed in FY18. The revised project budget is \$2,825,000. Additional funding is needed for additional utility design work which was not anticipated. The additional funds will allow the city to complete design.

City of South Gate

- Reprogram \$184,465 into two fiscal years for MR306.14 - staff support for the review of the Draft I-710 South EIR/EIS. Funds will be reprogrammed as follows: \$84,465 in Prior Years and \$100,000 in FY18. The revised project budget is \$184,500. This project's funds are being reprogrammed to align with review period of the 2012 I-710 South Draft EIR/EIS and the 2017 I-710 South RDEIR/SDEIS.
- Program an additional \$3,200,000 for MR306.43 construction of the I-710 Soundwall Early Action Projects, Package 1. The total project budget for Package 1 is \$8,900,000. The design is expected to be completed by late 2017 with advertising of the construction contract in early 2018. The funds will be programmed over three fiscal years, \$200,000 in FY18, \$4,500,000 in FY19, and \$4,200,000 in FY20. The total project budget is \$8,900,000.

City of Vernon

- Reprogram \$75,000 into two fiscal years for MR306.15 - staff support for the review of the Draft I-710 South EIR/EIS. Funds will be reprogrammed as follows: \$52,199 in Prior Years and \$18,000 in FY18. The project budget has been reduced from \$75,000 to \$70,199. This project's funds are being reprogrammed to align with the review period of the 2012 I-710 South Draft EIR/EIS and the 2017 I-710 South RDEIR/SDEIS.

State Route 138 Capacity Enhancements

Through Measure R, one project has been completed and the subregion has expended \$27 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 Metro's patrons and employees and the users of the referenced transportation facilities.

FINANCIAL IMPACT

Funding for the highway projects is from the Measure R 20% Highway Capital subfund earmarked for the subregions. Funds are available for Arroyo Verdugo (Project No. 460310), Las Virgenes Malibu (Project No. 460311), and South Bay (Project No. 460312) subregions in FY18 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 FY18 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 (Subsidies to Others), under 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, in cost centers 4720 and 4730, account 50316 (Professional Services); I-710 Early Action Projects (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) are all included in the FY18 budget.

Moreover, programmed funds are based on estimated revenues. Since each MRSHP 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

Should additional funds be required for FY18, staff will revisit the budgetary needs using the mid-year adjustment process.

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.

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

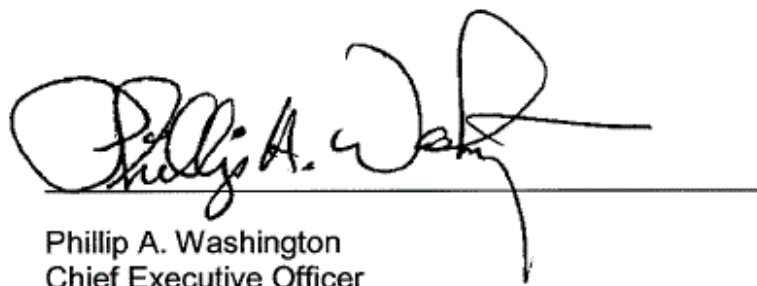
Metro Highway Program Staff will continue to work with the subregions to identify new and deliver existing projects. As work progresses, updates will be provided to the Board on a semi-annual and as-needed basis.

ATTACHMENTS

Attachment A - Measure R Highway Subregional Project List
Attachment B - Attachment B Extension

Prepared by: Isidro Panuco, Mgr. Transportation Planning, (213) 418-3208
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Reviewed by: Richard F. Clarke, Chief Program Management Officer, (213) 922-7557



Phillip A. Washington
Chief Executive Officer

ATTACHMENT A

Measure R Highway Operational Improvements Projects														
<i>(Dollars in Thousands)</i>														
HIGHWAY OPS IMP GRAND TOTAL				984,421	30,261	1,014,661	537,534	172,669	119,783	97,349	63,484	9,261		
Lead Agency	Fund Agr (FA) No.	PROJECT/LOCATION	Notes	Prior	Alloc	Alloc Change	Project Alloc	Prior Yr Program	FY17	FY18	FY19	FY20	FY21	
Arroyo Verdugo Operational Improvements				67,050.6	455.7	67,506.3	36,586.4	1,350.8	13,805.2	6,850.0	1,550.0	7,364.0		
Burbank	MR310.06	San Fernando Blvd. / Burbank Blvd. Intersection	Chg	2,325.0	0.0	2,325.0	590.0		1,735.0					
Burbank	MR310.07	Widen Magnolia Blvd / I-5 Bridge for center-turn lane		3,967.0	0.0	3,967.0			250.0				3,717.0	
Burbank	MR310.08	I-5 Corridor Arterial Signal Improvements		2,600.0	0.0	2,600.0	2,600.0							
Burbank	MR310.09	SR-134 Corridor Arterial Signal Improvements		2,975.0	0.0	2,975.0	2,975.0							
Burbank	MR310.10	Widen Olive Ave / I-5 Bridge for center-turn lane		3,897.0	0.0	3,897.0			250.0				3,647.0	
Burbank	MR310.11	Olive Ave. / Verdugo Ave. Intersection Improvement		1,600.0	0.0	1,600.0	1,600.0							
Burbank	MR310.23	Chandler Bikeway Extension (call match) F7506		659.8	0.0	659.8		185.8	474.0					
Burbank	MR310.31	SR-134 Corridor Arterial Signal Improvements - Phase 2		1,300.0	0.0	1,300.0			1,300.0					
Burbank	MR310.33	Media District Traffic Signal Improvments		1,400.0	0.0	1,400.0			1,400.0					
Burbank	MR310.38	I-5 Corridor Arterial Signal Improvements - Phase 2		800.0	0.0	800.0			800.0					
Burbank	MR310.46	Glenoaks Blvd Arterial and First St Signal Improvements		1,900.0	0.0	1,900.0			500.0	1,400.0				
		TOTAL BURBANK		23,423.8	0.0	23,423.8	7,765.0	185.8	6,709.0	1,400.0	0.0	7,364.0		
Glendale	MR310.01	Fairmont Ave. Grade Separation at San Fernando Rd. (Construction) (Completed)		1,658.7	0.0	1,658.7	1,658.7							
Glendale	MR310.02	Fairmont Ave. Grade Sep. at San Fernando -- Design (FA canceled and funds previously moved to MR310.01)		0.0	0.0	0.0								
Glendale	MR310.04	San Fernando/Grandview At-Grade Rail Crossing Imp. (Completed)		1,850.0	0.0	1,850.0	1,850.0							
Glendale	MR310.05	Central Ave Improvements / Broadway to SR-134 EB Offramp (Completed)		3,250.0	0.0	3,250.0	3,250.0							
Glendale	MR310.13	Glendale Narrows Bikeway Culvert		876.5	0.0	876.5	876.5							
Glendale	MR310.14	Verdugo Road Signal Upgrades (Completed)		557.0	0.0	557.0	557.0							
Glendale	MR310.16	SR-134 / Glendale Ave. Interchange Modification		1,585.5	0.0	1,585.5	1,585.5							
Glendale	MR310.17	Ocean Blvd. Project -- from Verdugo Rd. to N'ly City Boundaries		1,000.0	0.0	1,000.0	1,000.0							
Glendale	MR310.18	Sonora Avenue At-Grade Rail Crossing Safety Upgrade (Completed)		2,700.0	0.0	2,700.0	2,700.0							
Glendale	MR310.19	Traffic Signal Sync Brand / Colorado-San Fernando / Glendale-Verdugo (Completed)	Chg	1,250.0	(909.1)	340.9	340.9							
Glendale	MR310.20	Verdugo Rd / Honolulu Ave / Verdugo Blvd Intersection Modification (Completed)	Chg	400.0	(2.7)	397.3	397.3							
Glendale	MR310.21	Colorado St. Widening between Brand Blvd. and East of Brand Blvd. (Completed)		350.0	0.0	350.0	350.0							
Glendale	MR310.22	Glendale Narrows Riverwalk Bridge		600.0	0.0	600.0	600.0							

ATTACHMENT A

Measure R Highway Operational Improvements Projects												
<i>(Dollars in Thousands)</i>												
HIGHWAY OPS IMP GRAND TOTAL				984,421	30,261	1,014,661	537,534	172,669	119,783	97,349	63,484	9,261
Lead Agency	Fund Agr (FA) No.	PROJECT/LOCATION	Notes	Prior Alloc	Alloc Change	Project Alloc	Prior Yr Program	FY17	FY18	FY19	FY20	FY21
Glendale	MR310.24	Construction of Bicycle Facilities	Chg	300.0	(55.7)	244.3	244.3					
Glendale	MR310.25	210 Soundwalls Project	Chg	4,520.0	0.0	4,520.0			1,520.0	3,000.0		
Glendale	MR310.26	Bicycle Facilities, Phase 2 (Class III Bike Routes)		165.0	0.0	165.0		165.0				
Glendale	MR310.28	Pennsylvania Ave Signal at I-210 On/Off-Ramps		400.0	0.0	400.0		400.0				
Glendale	MR310.32	Regional Arterial Performance Measures		100.0	0.0	100.0			100.0			
Glendale	MR310.34	Regional Bike Stations (Call Match) F7709		332.1	0.0	332.1			332.1			
Glendale	MR310.36	Signalizations of SR-2 Fwy Ramps @ Holly	Chg	600.0	0.0	600.0				100.0	500.0	
Glendale	MR310.35	Signal Installations at Various Locations		1,500.0	0.0	1,500.0	1,500.0					
Glendale	MR310.37	Verdugo Boulevard Traffic Signal Modification at Vahili Way and SR-2	Chg	600.0	0.0	600.0			50.0	550.0		
Glendale	MR310.39	Widening of SR-2 Fwy Ramps @ Mountain	Chg	1,200.0	0.0	1,200.0	0.0			150.0	1,050.0	
Glendale	MR310.40	Pacific Ave: Colorado to Glenoaks & Burchett St: Pacific To Central Street Improvements		3,315.0	0.0	3,315.0	3,315.0					
Glendale	MR310.41	Doran St. (From Brand Bold. To Adams St.)		1,200.0	0.0	1,200.0	1,200.0					
Glendale	MR310.42	Arden Ave. (From Highland Ave. to Kenilworth St.) (Completed)	Chg	900.0	(276.8)	623.2	623.2					
Glendale	MR310.43	Verdugo Rd. Street Improvements Project (Traffic Signal Modification)		585.0	0.0	585.0	585.0					
Glendale	MR310.47	Traffic Signals on Glenwood Rd. and Modificaitons on La Crescenta and Central Ave.		1,200.0	0.0	1,200.0			1,200.0			
Glendale	MR310.48	San Frenando Rd and Los Angeles Street Traffic Signal Installation & Intersection Modification		400.0	0.0	400.0			400.0			
Glendale	TBD	Traffic Signal Modifications & Upgrades on Honolulu Ave	Add			1,800.0	1,800.0		150.0	1,650.0		
TOTAL GLENDALE				33,394.8	555.7	33,950.5	22,633.4	565.0	3,752.1	5,450.0	1,550.0	0.0
La Canada Flintridge	MR310.03	Soundwalls on Interstate I-210 (Completed)		4,588.0	0.0	4,588.0	4,588.0					
La Canada Flintridge	MR310.45	Soundwalls on Interstate I-210 in La Canada-Flintridge (phase 2)		1,800.0	0.0	1,800.0	600.0	600.0	600.0			
TOTAL LA CANADA FLINTRIDGE				6,388.0	0.0	6,388.0	5,188.0	600.0	600.0	0.0	0.0	0.0
LA County	MR310.44	Soudwalls on Interstate I-210 in LA Crescenta-Montrose		3,044.0	0.0	3,044.0	1,000.0		2,044.0			
TOTAL LA COUNTY				3,044.0	0.0	3,044.0	1,000.0	0.0	2,044.0	0.0	0.0	0.0
Metro	MR310.29	NBSSR Soundwalls on I-210 Glendale/La Crescenta-Montrose	Chg/Deob	800.0	(100.0)	700.0	0.0		700.0			
TOTAL METRO				800.0	(100.0)	700.0	0.0	0.0	700.0	0.0	0.0	0.0
TOTAL ARROYO VERDUGO OPS IMPS				67,050.6	455.7	67,506.3	36,586.4	1,350.8	13,805.2	6,850.0	1,550.0	7,364.0

ATTACHMENT A

Measure R Highway Operational Improvements Projects													
<i>(Dollars in Thousands)</i>													
HIGHWAY OPS IMP GRAND TOTAL				984,421	30,261	1,014,661	537,534	172,669	119,783	97,349	63,484	9,261	
Lead Agency	Fund Agr (FA) No.	PROJECT/LOCATION	Notes	Prior	Alloc	Alloc Change	Project Alloc	Prior Yr Program	FY17	FY18	FY19	FY20	FY21
Las Virgenes/Malibu Operational Improvements				144,551.0	10,100.0	154,651.0	104,901.0	24,250.0	13,500.0	12,000.0	0.0	0.0	
Westlake Village	MR311.01	Lindero Canyon Road Interchange, Phase 3A Design		343.7	100.0	443.7	343.7		100.0				
Westlake Village	MR311.02	Highway 101 Park and Ride Lot (Design)		243.7	0.0	243.7	243.7						
Westlake Village	MR311.10	Rte 101/ Lindero Cyn. Rd. Interchange Improvements, Phase 3B,4B Construction (completed)		3,251.0	0.0	3,251.0	3,251.0						
Westlake Village	MR311.18	Rte 101/ Lindero Cyn. Rd. Interchange Improvements, Phase 3A Construction		9,419.0	0.0	9,419.0	8,969.0	450.0					
Westlake Village	MR311.19	Highway 101 Park and Ride Lot (Construction)		4,943.6	0.0	4,943.6	4,943.6						
TOTAL WESTLAKE VILLAGE				18,201.0	100.0	18,301.0	17,751.0	450.0	100.0	0.0	0.0	0.0	
Agoura Hills	MR311.03	Palo Comando Interchange	Chg	4,000.0	7,000.0	11,000.0	4,000.0		2,000.0	5,000.0			
Agoura Hills	MR311.04	Agoura Road/Kanan Road Intersection Improvements		1,000.0	0.0	1,000.0	1,000.0						
Agoura Hills	MR311.05	Agoura Road Widening (completed)		36,850.0	0.0	36,850.0	32,000.0	4,850.0					
Agoura Hills	MR311.14	Kanan Road Overpass Expansion -- PSR, PR, PS&E		150.0	0.0	150.0	150.0						
Agoura Hills	MR311.15	Agoura Hills Multi-Modal Center		100.0	0.0	100.0	0.0	100.0					
TOTAL AGOURA HILLS				42,100.0	7,000.0	49,100.0	37,150.0	4,950.0	2,000.0	5,000.0	0.0	0.0	
Calabasas	MR311.06	Lost Hills Overpass and Interchange		33,000.0	0.0	33,000.0	26,000.0	7,000.0					
Calabasas	MR311.07	Mulholland Highway Scenic Corridor Completion (completed)		4,389.8	0.0	4,389.8	4,389.8						
Calabasas	MR311.08	Las Virgenes Scenic Corridor Widening		5,746.2	0.0	5,746.2	5,746.2						
Calabasas	MR311.09	Parkway Calabasas/US 101 SB Offramp		214.0	0.0	214.0	214.0						
Calabasas	MR311.20	Off-Ramp for US 101 at Las Virgenes Road		500.0	0.0	500.0	500.0						
Calabasas	MR311.33	Park and Ride Lot on or about 23577 Calabasas Road (near Route 101) (completed)		3,700.0	0.0	3,700.0	3,700.0						
TOTAL CALABASAS				47,550.0	0.0	47,550.0	40,550.0	7,000.0	0.0	0.0	0.0	0.0	

ATTACHMENT A

Measure R Highway Operational Improvements Projects													
<i>(Dollars in Thousands)</i>													
HIGHWAY OPS IMP GRAND TOTAL				984,421		30,261	1,014,661	537,534	172,669	119,783	97,349	63,484	9,261
Lead Agency	Fund Agr (FA) No.	PROJECT/LOCATION	Notes	Prior	Alloc	Alloc Change	Project Alloc	Prior Yr Program	FY17	FY18	FY19	FY20	FY21
Malibu	MR311.24	Malibu/Civic Center Way Widening	Chg	3,000.0	1,000.0	4,000.0	2,250.0	750.0	1,000.0				
Malibu	MR311.26	PCH-Raised Median and Channelization from Webb Way to Corral Canyon Road		6,950.0	0.0	6,950.0	3,050.0	900.0	3,000.0				
Malibu	MR311.27	PCH Intersections Improvements		1,000.0	0.0	1,000.0	0.0	1,000.0					
Malibu	MR311.28	Kanan Dume Road Arrestor Bed Improvements and Intersection with PCH (Construction) (completed)		900.0	0.0	900.0	900.0						
Malibu	MR311.29	PCH Regional Traffic Message System (CMS)		2,500.0	0.0	2,500.0	500.0	500.0	1,000.0	500.0			
Malibu	MR311.30	PCH Roadway and Bike Route Improvements fr. Busch Dr. to Western City Limits		500.0	0.0	500.0	500.0						
Malibu	MR311.32	PCH and Big Rock Dr. Intersection and at La Costa Area Pedestrian Improvements		950.0	0.0	950.0	950.0						
Malibu	MR311.35	Pacific Coast Highway Shoulder Improvements (Various Locations)		3,500.0	0.0	3,500.0	500.0	1,500.0	1,500.0				
Malibu	MR311.11	PCH Signal System Improvements from John Tyler Drive to Topanga Canyon Blvd		13,700.0	0.0	13,700.0	300.0	4,000.0	4,900.0	4,500.0			
		TOTAL MALIBU		33,000.0	1,000.0	34,000.0	8,950.0	8,650.0	11,400.0	5,000.0	0.0	0.0	0.0
Hidden Hills	MR311.34	Long Valley Road/Valley Circle/US-101 On-Ramp Improvements	Chg	3,700.0	2,000.0	5,700.0	500.0	3,200.0		2,000.0			
		TOTAL HIDDEN HILLS		3,700.0	2,000.0	5,700.0	500.0	3,200.0	0.0	2,000.0	0.0	0.0	0.0
		TOTAL LAS VIRGENES/MALIBU OPS IMPS		144,551.0	10,100.0	154,651.0	104,901.0	24,250.0	13,500.0	12,000.0	0.0	0.0	0.0

ATTACHMENT A

Measure R Highway Operational Improvements Projects													
<i>(Dollars in Thousands)</i>													
HIGHWAY OPS IMP GRAND TOTAL					984,421	30,261	1,014,661	537,534	172,669	119,783	97,349	63,484	9,261
Lead Agency	Fund Agr (FA) No.	PROJECT/LOCATION	Notes	Prior	Alloc	Alloc Change	Project Alloc	Prior Yr Program	FY17	FY18	FY19	FY20	FY21
South Bay I-405, I-110, I-105, & SR-91 Ramp / Interchange Imps					233,023.9	3.0	233,027.0	138,351.0	25,937.6	36,561.7	24,959.7	7,217.0	0.0
SBCCOG	MR312.01	South Bay Cities COG Program Development & Oversight and Program Administration (Project Development Budget Included)		13,375.0	0.0	13,375.0	9,764.0	1,900.0	500.0	594.0	617.0		
		TOTAL SBCCOG		13,375.0	0.0	13,375.0	9,764.0	1,900.0	500.0	594.0	617.0	0.0	
Caltrans	MR312.11	ITS: I-405, I-110, I-105, SR-91 at Freeway Ramp/Arterial Signalized Intersections		5,357.0	0.0	5,357.0	5,000.0	357.0					
Metro/Caltrans	MR312.24	I-110 Aux lane from SR-91 to Torrance Blvd Aux lane & I-405/I-110 Connector	Chg	20,000.0	(4,900.0)	15,100.0	3,450.0	5,900.0	5,750.0	0.0	0.0		
Metro/Caltrans	MR312.25	I-405 at 182nd St. / Crenshaw Blvd Improvements	Chg	20,000.0	4,400.0	24,400.0	2,000.0	2,000.0	5,900.0	7,900.0	6,600.0		
Caltrans	MR312.29	ITS: Pacific Coast Highway and Parallel Arterials From I-105 to I-110		9,000.0	0.0	9,000.0	9,000.0						
Caltrans	MR312.45	PAED Integrated Corridor Management System (ICMS) on I-110 from Artesia Blvd and I-405		1,000.0	0.0	1,000.0	0.0			1,000.0			
		TOTAL CALTRANS		55,357.0	(500.0)	54,857.0	19,450.0	8,257.0	11,650.0	8,900.0	6,600.0	0.0	
Carson	MR312.37	Sepulveda Blvd widening from Alameda Street to ICTF Driveway	Chg	1,158.0	(1,158.0)	0.0							
Carson	MR312.46	Upgrade Traffic Control Signals at the Intersection of Figueroa St and 234th St. and Figueroa and 228th st.		150.0	0.0	150.0	0.0	65.0	85.0				
Carson	MR312.41	Traffic Signal Upgrades at 10 Intersections		1,400.0	0.0	1,400.0	0.0	500.0	900.0				
		TOTAL CARSON		2,708.0	(1,158.0)	1,550.0	0.0	565.0	985.0	0.0	0.0	0.0	
El Segundo	MR312.22	Maple Ave Improvements from Sepulveda Blvd to Parkview Ave. (Completed)		2,500.0	0.0	2,500.0	2,500.0						
El Segundo	MR312.27	PCH Improvements from Imperial Highway to El Segundo Boulevard		400.0	0.0	400.0	400.0						
El Segundo	MR312.57	Park Place Roadway Extension and Railroad Grade Separation Project		350.0	0.0	350.0	350.0						
		TOTAL EL SEGUNDO		3,250.0	0.0	3,250.0	3,250.0	0.0	0.0	0.0	0.0	0.0	
Gardena	MR312.17	Rosecrans Ave Improvements from Vermont Ave to Crenshaw Blvd (Completed)		4,967.0	0.0	4,967.0	4,967.0						
Gardena	MR312.19	Artesia Blvd at Western Ave Intersection Improvements (Westbound left turn lanes) (Completed)		393.0	0.0	393.0	393.0						
Gardena	MR312.21	Vermont Ave Improvements from Rosecrans Ave to 182nd Street (Completed)		2,090.3	0.0	2,090.3	2,090.3						
Gardena	MR312.02	Traffic Signal Reconstruction on Vermont at Redondo Beach Blvd and at Rosecrans Ave.		1,500.0	0.0	1,500.0		40.0	1,460.0				
Gardena	MR312.09	Artesia Blvd Arterial Improvements from Western Ave to Vermont Ave		2,523.0	0.0	2,523.0		80.0	180.0	2,263.0			
		TOTAL GARDENA		11,473.3	0.0	11,473.3	7,450.3	120.0	1,640.0	2,263.0	0.0	0.0	
Hawthorne	MR312.03	Rosecrans Ave Widening from I-405 SB off ramp to Isis Ave (Completed)		2,100.0	0.0	2,100.0	2,100.0						
Hawthorne	MR312.33	Aviation Blvd at Marine Ave Intersection Improvements (Westbound right turn lane)		3,600.0	0.0	3,600.0	3,600.0						
Hawthorne	MR312.44	Hawthorne Blvd Improvements from El Segundo Blvd to Rosecrans Ave (Completed)		7,551.0	0.0	7,551.0	7,551.0						
Hawthorne	MR312.47	Signal Improvements on Prairie Ave from 118th St. to Marine Ave.		1,237.0	0.0	1,237.0	0.0	200.0	418.0	619.0			
Hawthorne	MR312.54	Intersection widening & Traffic Signal modifications on Inglewood Ave at El Segundo Blvd; on Crenshaw Blvd At Pocket Road; on Crenshaw at Oak North; and on 120th St.		2,000.0	0.0	2,000.0	0.0	1,000.0	1,000.0				
Hawthorne	MR312.61	Hawthorne Blvd Arterial Improvements, from 126th St to 111th St.		4,400.0	0.0	4,400.0	0.0	600.0	1,000.0	2,800.0			
		TOTAL HAWTHORNE		20,888.0	0.0	20,888.0	13,251.0	1,800.0	2,418.0	3,419.0	0.0	0.0	

ATTACHMENT A

Measure R Highway Operational Improvements Projects														
<i>(Dollars in Thousands)</i>														
HIGHWAY OPS IMP GRAND TOTAL				984,421		30,261	1,014,661		537,534	172,669	119,783	97,349	63,484	9,261
Lead Agency	Fund Agr (FA) No.	PROJECT/LOCATION	Notes	Prior	Alloc	Alloc Change	Project	Alloc	Prior Yr Program	FY17	FY18	FY19	FY20	FY21
Hermosa Beach	MR312.05	PCH (SR-1/PCH) Improvements between Anita St. and Artesia Boulevard	Chg	304.0	194.0		498.0		304.0		194.0			
Hermosa Beach	MR312.38	Pacific Coast Highway at Aviation Blvd Intersection Improvements (Southbound left turn lanes)		872.0	0.0		872.0		872.0					
Hermosa Beach	MR312.63	PA/ED on PCH from Aviation Blvd to Prospect Ave		1,800.0	0.0		1,800.0		0.0	400.0	1,400.0			
TOTAL HERMOSA BEACH				2,976.0	194.0		3,170.0		1,176.0	400.0	1,594.0	0.0	0.0	0.0
Inglewood	MR312.12	Intelligent Transportation System (ITS): City of Inglewood Citywide ITS Master Plan		3,500.0	0.0		3,500.0		3,500.0					
Inglewood	MR312.50	ITS: Phase V - Communication Gap Closure on Various Locations, ITS Upgrade and Arterial Detection		384.0	0.0		384.0				192.0	192.0		
Inglewood	TBD	Prairie Ave Signal Synchronization Project	Add		205.0		205.0				205.0			
TOTAL INGLEWOOD				3,884.0	205.0		4,089.0		3,500.0	0.0	397.0	192.0	0.0	0.0
LA City	MR312.56	Del Amo Blvd Improvements from Western Ave to Vermont Ave Project Oversight		100.0	0.0		100.0		100.0					
LA City	MR312.51	Improve Anaheim St. from Farragut Ave. to Dominguez Channel (Call Match) F7207		1,313.0	0.0		1,313.0			262.6	1,050.4			
LA City	MR312.32	Alameda St. (South) Widening frm. Anaheim St. to Harry Bridges Blvd		2,875.0	0.0		2,875.0				2,875.0			
TOTAL LA CITY				4,288.0	0.0		4,288.0		100.0	262.6	3,925.4	0.0	0.0	0.0
LA County	MR312.16	Del Amo Blvd improvements from Western Ave to Vermont Ave	Chg	23,498.0	(8,434.3)		15,063.7		6,900.0	5,000.0	3,000.0	163.7	0.0	
LA County	MR312.52	ITS: Improvements on South Bay Arterials		1,021.0	0.0		1,021.0		0.0		401.0	620.0		
LA County	TBD	South Bay Arterial System Detection Project	Chg		2,000.0		2,000.0		0.0		1,000.0	1,000.0		
TOTAL LA COUNTY				24,519.0	(6,434.3)		18,084.7		6,900.0	5,000.0	4,401.0	1,783.7	0.0	0.0
Lawndale	MR312.15	Inglewood Ave Widening from 156th Street to I-405 Southbound on-ramp	Chg	500.0	(457.0)		43.0		43.0					
Lawndale	MR312.36	ITS: City of Lawndale Citywide Improvements (completed)	Chg	1,500.0	(621.7)		878.3		878.3					
Lawndale	MR312.49	Redondo Beach Blvd Mobility Improvements from Prairie to Artesia (Call Match) F9101		1,039.3	0.0		1,039.3			273.0	766.3			
Lawndale	MR312.31	Manhattan Bch Blvd at Hawthorne Blvd Left Turn Signal Improvements		508.0	0.0		508.0				300.0	208.0		
TOTAL LAWDALE				3,547.3	(1,078.7)		2,468.6		921.3	273.0	1,066.3	208.0	0.0	0.0
Lomita	MR312.43	Intersection Improvements at Western/Palos Verdes Dr and PCH/Walnut	Chg	900.0	606.0		1,506.0		900.0		606.0			
TOTAL LOMITA				900.0	606.0		1,506.0		900.0	0.0	606.0	0.0	0.0	0.0

ATTACHMENT A

Measure R Highway Operational Improvements Projects													
<i>(Dollars in Thousands)</i>													
HIGHWAY OPS IMP GRAND TOTAL				984,421	30,261	1,014,661	537,534	172,669	119,783	97,349	63,484	9,261	
Lead Agency	Fund Agr (FA) No.	PROJECT/LOCATION	Notes	Prior	Alloc	Alloc Change	Project Alloc	Prior Yr Program	FY17	FY18	FY19	FY20	FY21
Manhattan Beach	MR312.04	Sepulveda Blvd at Marine Ave Intersection Improvements (West Bound left turn lanes) (Completed)		346.5	0.0	346.5	346.5						
Manhattan Beach	MR312.28	Seismic retrofit of widened Bridge 53-62 from Sepulveda Blvd from 33rd Street to south of Rosecrans Ave		9,100.0	0.0	9,100.0	9,100.0						
Manhattan Beach	MR312.34	Aviation Blvd at Artesia Blvd Intersection Improvements (Southbound right turn lane)		1,500.0	0.0	1,500.0	1,500.0						
Manhattan Beach	MR312.35	Sepulveda Blvd at Manhattan Beach Blvd intersection Improvements (NB, WB, EB left turn lanes and SB right turn lane)		980.0	0.0	980.0	980.0						
Manhattan Beach	MR312.62	Sepulveda Blvd Operational Improvements at Rosecrans Ave, 33rd St, Cedar Ave, 14th St and 2nd St.		900.0	0.0	900.0	0.0	50.0	850.0				
		TOTAL MANHATTAN BEACH		12,826.5	0.0	12,826.5	11,926.5	50.0	850.0	0.0	0.0	0.0	0.0
Metro/Caltrans	MR312.30	Feasibility Study for I-405 from I-110 to I-105 and I-105 from I-405 to I-110	Chg	400.0	200.0	600.0			600.0				
Metro/Caltrans	MR312.55	Feasibility Study for I-405 from I-110 to I-105 and I-105 from I-405 to I-110	Chg	300.0	300.0	600.0			600.0				
Metro/Caltrans	MR312.48	Western Ave. (SR-213) from Palos Verdes Drive North to Gardena -- PSR		170.0	0.0	170.0		70.0	100.0				
Metro/Caltrans	MR312.32	SR-1 from Eastern Boundary of Carson to Eastern Boundary of Torrance -- PSR		170.0	0.0	170.0		70.0	100.0				
Metro	30000020331/P S4040-2540-	South Bay Arterial Baseline Conditions Analysis (Completed)		250.0	0.0	250.0	250.0						
Metro	MR312.31	Inglewood Transit Center at Florence/La Brea		1,500.0	0.0	1,500.0	260.0	1,240.0					
		TOTAL METRO		2,790.0	500.0	3,290.0	510.0	1,380.0	1,400.0	0.0	0.0	0.0	0.0
Rancho Palos Verdes	MR312.39	Western Ave. (SR-213) from Palos Verdes Drive North to 25th street -- PSR		90.0	0.0	90.0		30.0	60.0				
		TOTAL RANCHO PALOS VERDES		90.0	0.0	90.0	0.0	30.0	60.0	0.0	0.0	0.0	0.0
POLA	MR312.32	SR-47/Vincent Thomas Bridge on/off ramp Improvements at Harbor Blvd		900.0	0.0	900.0		900.0					
		PORT OF LOS ANGELES		900.0	0.0	900.0	0.0	900.0	0.0	0.0	0.0	0.0	0.0
Redondo Beach	MR312.06	Pacific Coast Highway improvements from Anita Street to Palos Verdes Blvd		1,400.0	0.0	1,400.0	1,400.0						
Redondo Beach	MR312.07	Pacific Coast Highway at Torrance Blvd intersection improvements (Northbound right turn lane)		586.0	0.0	586.0	586.0						
Redondo Beach	MR312.08	Pacific Coast Highway at Palos Verdes Blvd intersection improvements (WB right turn lane)	Chg	320.0	69.0	389.0	320.0		69.0				
Redondo Beach	MR312.13	Aviation Blvd at Artesia Blvd intersection improvements (Completed) (Eastbound right turn lane)		22.0	0.0	22.0	22.0						
Redondo Beach	MR312.14	Inglewood Ave at Manhattan Beach Blvd intersection improvements (Eastbound right turn lane) (Completed)		30.0	0.0	30.0	30.0						
Redondo Beach	MR312.20	Aviation Blvd at Artesia Blvd intersection improvements (Northbound right turn lane)		847.0	0.0	847.0	847.0						
Redondo Beach	MR312.42	Inglewood Ave at Manhattan Beach Blvd intersection improvements (Southbound right turn lane)		5,175.0	0.0	5,175.0	5,175.0						
		TOTAL REDONDO BEACH		8,380.0	69.0	8,449.0	8,380.0	0.0	69.0	0.0	0.0	0.0	0.0

ATTACHMENT A

Measure R Highway Operational Improvements Projects																					
<i>(Dollars in Thousands)</i>																					
HIGHWAY OPS IMP GRAND TOTAL				984,421		30,261		1,014,661		537,534		172,669		119,783		97,349		63,484		9,261	
Lead Agency	Fund Agr (FA) No.	PROJECT/LOCATION	Notes	Prior	Alloc	Alloc Change	Project	Alloc	Prior Yr Program	FY17	FY18	FY19	FY20	FY21							
Torrance	MR312.10	Pacific Coast Highway at Hawthorne Blvd intersection improvements		19,600.0	0.0		19,600.0		19,600.0												
Torrance	MR312.18	Maple Ave at Sepulveda Blvd Intersection Improvements (Completed) (Southbound right turn lane)		319.9	0.0		319.9		319.9												
Torrance	MR312.23	Torrance Transit Park and Ride Regional Terminal Project 465 Crenshaw Blvd	Chg	18,100.0	7,600.0		25,700.0		18,100.0			7,600.0									
Torrance	MR312.26	I-405 at 182nd St. / Crenshaw Blvd Operational Improvements		15,300.0	0.0		15,300.0		5,300.0	5,000.0	5,000.0										
Torrance	MR312.40	Pacific Coast Highway at Vista Montana/Anza Ave Intersection Improvements		2,900.0	0.0		2,900.0		2,900.0												
Torrance	MR312.58	Pacific Coast Highway from Calle Mayor to Janet Lane Safety Improvements		852.0	0.0		852.0		852.0												
Torrance	MR312.59	Pacific Coast Highway at Madison Ave Signal upgrades to provide left-turn phasing		500.0	0.0		500.0		500.0												
Torrance	MR312.60	Crenshaw from Del Amo to Dominguez - S SB turn lanes at Del Amo Blvd, 208th St., Transit Center Entrance, Signal Improvements at 2 new signal at Transit Center		3,300.0	0.0		3,300.0		3,300.0												
		TOTAL TORRANCE		60,871.9	7,600.0		68,471.9		50,871.9	5,000.0	5,000.0	7,600.0	0.0	0.0							
		TOTAL SOUTH BAY		233,023.9	3.0		233,027.0		138,351.0	25,937.6	36,561.7	24,959.7	7,217.0	0.0							

ATTACHMENT A

Measure R Highway Operational Improvements Projects													
<i>(Dollars in Thousands)</i>													
HIGHWAY OPS IMP GRAND TOTAL				984,421	30,261	1,014,661	537,534	172,669	119,783	97,349	63,484	9,261	
Lead Agency	Fund Agr (FA) No.	PROJECT/LOCATION	Notes	Prior	Alloc	Alloc Change	Project Alloc	Prior Yr Program	FY17	FY18	FY19	FY20	FY21
Gateway Cities: I-605/SR-91/I-405 Corridors "Hot Spots"				191,712.6	3,420.0	195,132.6	87,774.3	45,723.4	30,364.3	20,039.6	9,516.8	1,714.1	
GCCOG	MOU.306.03	GCCOG Engineering Support Services		300.0	0.0	300.0	300.0						
GCCOG	MR315.29	Gateway Cities Third Party Support		100.0	0.0	100.0	100.0						
TOTAL GCCOG				400.0	0.0	400.0	400.0	0.0	0.0	0.0	0.0	0.0	
Metro	PS4720-3334	Program/Project Management Support of Measure R Funds		200.0	0.0	200.0	200.0						
Metro	PS4720-3252	I-605 Arterial Hot Spots in the City of Whittier: PAED for Santa Fe Springs/ Whittier, Painter/Whittier, & Colima Whittier		680.0	0.0	680.0	680.0						
Metro	PS4720-3250	Arterial Hot Spots in the Cities of Long Beach, Bellflower, and Paramount: PAED for Lakewood/Alondra, Lakewood/Spring, and Alondra		572.7	0.0	572.7	572.7						
Metro	PS4720-3251	Arterial Hot Spots in the Cities of Cerritos, La Mirada, and Santa Fe Springs: PAED for Valley View/Rosecrans, Valley View/Alondra, and Cerritos/Alondra		560.7	0.0	560.7	560.7						
Metro	AE25081	Arterial Hot Spots in the Cities of Cerritos, Rosemead, and Artesia: PS&E for Cerritos/Santa Fe Springs and Artesia/Santa Fe Springs		100.0	0.0	100.0	100.0						
Metro	AE25083	Arterial Hot Spots in the Cities of La Mirada and Santa Fe Springs: PS&E for Valley View/Rosecrans and Valley View/Alondra Intersection Improvements		100.0	0.0	100.0	100.0						
Metro	PS4603-2582	Professional Services for I-605 Feasibility Study (Completed)		6,170.0	0.0	6,170.0	6,170.0						
Metro	PS4603-2582	Professional Services for PSR/PDS: I-5/I-605 and I-605/SR-91 (Completed)		3,121.0	0.0	3,121.0	3,121.0						
Metro	PS4720-3235	Professional Services for 605/60 PSR/PDS		3,040.0	0.0	3,040.0	3,040.0						
Metro	AE5204200/ AE2259	Professional Services for 605/60 PA/ED		34,000.0	0.0	34,000.0	3,000.0	7,000.0	8,000.0	8,000.0	8,000.0		
Metro	PS47203004	Professional Services for the Gateway Cities Strategic Transportation Plan		10,429.5	0.0	10,429.5	9,339.0	1,090.5					
Metro	AE3334100113 75	Professional Services for the I-605/I-5 PA/ED		20,698.0	0.0	20,698.0	3,000.0	5,000.0	5,000.0	7,698.0			
Metro	AE4761100123 34	Professional Services for the I-605/SR-91 PA/ED		8,026.0	0.0	8,026.0	263.0	3,200.0	3,100.0	1,463.0			
Metro	AE3229400113 72	Professional Services for 710/91 PSR/PDS		2,340.0	0.0	2,340.0	1,590.0	750.0					
Metro	MR315.49	Third Party Support for the I-605 Corridor Hot Spots Interchanges Program Development (Gateway Cities, SCE, LA County)		300.0	0.0	300.0	300.0						
Metro	MR315.50	Freeway Early Action Projects (PA/ED & PS&E)		14,500.0	0.0	14,500.0		14,500.0					
Metro	AE39064000	I-605 Beverly Interchange Improvements (PR & PS&E)		3,000.0	0.0	3,000.0		100.0	2,900.0				
Metro	AE38849000	I-605 from SR-91 to South Street Improvements Project (PR & PS&E)		5,500.0	0.0	5,500.0		100.0	5,400.0				
Metro	TBD	SR-91 Atlantic Ave to Cherry Ave EB Aux Lane	add	0.0	500.0	500.0			250.0	250.0			
Metro	TBD	SR-91 Central Ave Intch Improvements	add	0.0	500.0	500.0			250.0	250.0			
Metro	TBD	I-605/ Peck Road Interchange Improvements	add	0.0	500.0	500.0			250.0	250.0			
Metro	TBD	I-605 Vally Blvd Interchange Improvements	add	0.0	500.0	500.0			250.0	250.0			
TOTAL METRO				113,337.9	2,000.0	115,337.9	32,036.4	31,740.5	25,400.0	18,161.0	8,000.0	0.0	

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Measure R Highway Operational Improvements Projects													
<i>(Dollars in Thousands)</i>													
HIGHWAY OPS IMP GRAND TOTAL				984,421		30,261	1,014,661	537,534	172,669	119,783	97,349	63,484	9,261
Lead Agency	Fund Agr (FA) No.	PROJECT/LOCATION	Notes	Prior	Alloc	Alloc Change	Project Alloc	Prior Yr Program	FY17	FY18	FY19	FY20	FY21
Caltrans	MR315.28	Third Party Support for the I-605 Corridor "Hot Spots" Interchanges Program Development, I-605/SR-60 PSR-PDS		260.0		0.0	260.0	260.0					
Caltrans	MR315.47	Third Party Support for the I-605 Corridor "Hot Spots" Interchanges Program Development, I-605/SR-60 PA/ED		3,650.0		0.0	3,650.0	400.0	850.0	800.0	800.0	800.0	
Caltrans	MR315.24	Third Party Support for the I-605 Corridor "Hot Spots" Interchanges Program Development, I-605/I-5 PA/ED		2,069.8		0.0	2,069.8	300.0	500.0	500.0	769.8		
Caltrans	MR315.08	Third Party Support for the I-605 Corridor "Hot Spots" Interchanges Program Development, I-605/SR-91 PA/ED		802.6		0.0	802.6	26.3	320.0	310.0	146.3		
Caltrans	MR315.48	Third Party Support for the I-605 Corridor "Hot Spots" Interchanges Program Development, I-605 Intersection Improvements		60.0		0.0	60.0	60.0					
Caltrans	MR315.13	Third Party Support for the I-605 Corridor "Hot Spots" Interchanges Program Development, I-710/SR-91 PSR-PDS		234.0		0.0	234.0	159.0	75.0				
Caltrans	MR315.30	I-605 Beverly Interchange Improvements (Env. Doc.)		500.0		0.0	500.0		100.0	400.0			
Caltrans	MR315.31	I-605 from SR-91 to South Street Improvements Project (Env. Doc.)		500.0		0.0	500.0		100.0	400.0			
		TOTAL CALTRANS		8,076.4		0.0	8,076.4	1,205.3	1,945.0	2,410.0	1,716.1	800.0	0.0
Bellflower	MR315.16	Bellflower Blvd- Artesia Blvd Intersection Improvement Project		7,310.0		0.0	7,310.0	6,210.0	1,100.0				
Bellflower	MR315.33	Lakewood - Alondra Intersection Improvements: Construction		644.0		0.0	644.0	644.0					
		TOTAL BELLFLOWER		7,954.0		0.0	7,954.0	6,854.0	1,100.0	0.0	0.0	0.0	0.0
Cerritos	MR315.38	Carmenita - South Intersection Improvements, Construction		292.0		0.0	292.0	292.0					
Cerritos	MR315.39	Bloomfield - Artesia Intersection Improvements, ROW & Construction		1,756.0		0.0	1,756.0	1,756.0					
		TOTAL CERRITOS		2,048.0		0.0	2,048.0	2,048.0	0.0	0.0	0.0	0.0	0.0
Downey	MR315.03	Lakewood - Telegraph Intersection Improvements		2,120.0		0.0	2,120.0	2,120.0					
Downey	MR315.14	Lakewood - Imperial Intersection Improvements	Chg	2,760.0		1,300.0	4,060.0	2,760.0		1,300.0			
Downey	MR315.27	Lakewood - Florence Intersection Improvements		1,310.0		20.0	1,330.0	1,310.0	20.0				
Downey	MR315.18	Bellflower - Imperial Highway Intersection Improvements		2,740.4		0.0	2,740.4	2,740.4					
		TOTAL DOWNEY		8,930.4		1,320.0	10,250.4	8,930.4	20.0	1,300.0	0.0	0.0	0.0
LA County	MR315.07	Painter - Mulberry Intersection Improvements		2,410.0		0.0	2,410.0	760.0	1,650.0				
LA County	MR315.11	Valley View - Imperial Intersection Improvements		1,640.0		0.0	1,640.0	1,640.0					
LA County	MR315.15	Norwalk-Whittier Intersection Improvements		2,830.0		0.0	2,830.0	1,050.0	1,780.0				
LA County	MR315.23	Carmenita - Telegraph Intersection Improvements		1,400.0		0.0	1,400.0	800.0	600.0				
LA County	MR315.22	Norwalk-Washington Intersection Improvements		550.0		0.0	550.0	550.0					
LA County	TBD	South Whittier Bikeway Access Improvements (Call Match) F9511		800.0		0.0	800.0			155.0		645.0	
		TOTAL LA COUNTY		9,630.0		0.0	9,630.0	4,800.0	4,030.0	155.0	0.0	645.0	0.0

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Measure R Highway Operational Improvements Projects													
<i>(Dollars in Thousands)</i>													
HIGHWAY OPS IMP GRAND TOTAL				984,421	30,261	1,014,661	537,534	172,669	119,783	97,349	63,484	9,261	
Lead Agency	Fund Agr (FA) No.	PROJECT/LOCATION	Notes	Prior	Alloc	Alloc Change	Project Alloc	Prior Yr Program	FY17	FY18	FY19	FY20	FY21
Lakewood	MR315.36	Lakewood Blvd Regional Capacity Enhancement		3,600.0		0.0	3,600.0	1,000.0	2,600.0				
Lakewood	MR315.04	Lakewood - Del Amo Intersection Improvements		5,504.3		0.0	5,504.3	5,504.3					
		TOTAL LAKEWOOD		9,104.3		0.0	9,104.3	6,504.3	2,600.0	0.0	0.0	0.0	0.0
Long Beach	TBD	2015 CFP - Artesia Complete Blvd (Call Match) F9130		900.0		0.0	900.0						900.0
Long Beach	TBD	2015 CFP - Atherton Bridge & Campus Connection (Call Match) F9532		800.0		0.0	800.0						800.0
Long Beach	TBD	Park or Ride (Call Match) F9808		212.6		0.0	212.6		14.9	49.3	62.5	71.8	14.1
Long Beach	MR315.60	Soundwall on I-605 near Spring Street, PAED and PSE	Chg	250.0		100.0	350.0	50.0		200.0	100.0		
Long Beach	MR315.61	Lakewood - Spring Intersction Improvements, PSE and Construction		454.3		(0.0)	454.3	454.3					
Long Beach	MR315.62	Bellflower - Spring Intersection Improvements, PSE and Construction		492.8		0.0	492.8	492.8					
		TOTAL LONG BEACH		3,109.7		100.0	3,209.7	997.1	14.9	249.3	162.5	71.8	1,714.1
Norwalk	MR315.06	Studebaker - Rosecrans Intersection Improvements		1,670.0		0.0	1,670.0	1,670.0					
Norwalk	MR315.10	Bloomfield - Imperial Intersection Improvements		920.0		0.0	920.0	920.0					
Norwalk	MR315.17	Pioneer - Imperial Intersection Improvements		1,509.0		0.0	1,509.0	1,509.0					
Norwalk	MR315.26	Studebaker - Alondra Intersection Improvements		480.0		0.0	480.0	480.0					
Norwalk	MR315.43	Imperial Highway ITS Project, from San Gabriel River to Shoemaker Rd. (PAED, PS&E, CON)		3,380.4		0.0	3,380.4	3,380.4					
		TOTAL NORWALK		7,959.4		0.0	7,959.4	7,959.4	0.0	0.0	0.0	0.0	0.0

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Measure R Highway Operational Improvements Projects													
<i>(Dollars in Thousands)</i>													
HIGHWAY OPS IMP GRAND TOTAL				984,421	30,261	1,014,661	537,534	172,669	119,783	97,349	63,484	9,261	
Lead Agency	Fund Agr (FA) No.	PROJECT/LOCATION	Notes	Prior	Alloc	Alloc Change	Project Alloc	Prior Yr Program	FY17	FY18	FY19	FY20	FY21
Pico Rivera	MR315.05	Rosemead - Beverly Intersection Improvements		8,474.0	0.0	8,474.0	4,251.0	4,223.0					
Pico Rivera	MR315.09	Rosemead - Whittier Intersection Improvements		1,388.0	0.0	1,388.0	1,388.0						
Pico Rivera	MR315.21	Rosemead - Washington Intersection Improvements		40.0	0.0	40.0	40.0						
Pico Rivera	MR315.19	Rosemead - Slauson Intersection Improvements		2,195.0	0.0	2,195.0	2,195.0						
TOTAL PICO RIVERA				12,097.0	0.0	12,097.0	7,874.0	4,223.0	0.0	0.0	0.0	0.0	0.0
Santa Fe Springs	MR315.40	Valley View - Rosecrans Intersection Improvements, Construction	Chg	524.0	300.0	824.0	524.0		300.0				
Santa Fe Springs	MR315.41	Valley View - Alondra Intersection Improvements, ROW & Construction	Chg	2,967.0	(300.0)	2,667.0	2,667.0						
Santa Fe Springs	MR315.42	Florence Avenue Widening Project, from Orr & Day to Pioneer Blvd (PAED, PSE, ROW)		600.0	0.0	600.0	0.0	50.0	550.0				
TOTAL SANTA FE SPRINGS				4,091.0	0.0	4,091.0	3,191.0	50.0	850.0	0.0	0.0	0.0	0.0
Whittier	MR315.44	Santa Fe Springs Whittier Intersection Improvements: PSE, ROW, Construction		1,567.9	0.0	1,567.9	1,567.9						
Whittier	MR315.45	Painter Ave - Whittier Intersection Improvements: PSE, ROW, Construction		1,760.3	0.0	1,760.3	1,760.3						
Whittier	MR315.46	Colima Ave - Whittier Intersection Improvements: PSE, ROW, Construction		1,646.2	0.0	1,646.2	1,646.2						
TOTAL WHITTIER				4,974.4	0.0	4,974.4	4,974.4	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL I-605/SR-91/I-405 "HOT SPOTS"				191,712.6	3,420.0	195,132.6	87,774.3	45,723.4	30,364.3	20,039.6	9,516.8	1,714.1	

ATTACHMENT A

Measure R Highway Operational Improvements Projects																					
<i>(Dollars in Thousands)</i>																					
HIGHWAY OPS IMP GRAND TOTAL				984,421		30,261		1,014,661		537,534		172,669		119,783		97,349		63,484		9,261	
Lead Agency	Fund Agr (FA) No.	PROJECT/LOCATION		Notes	Prior	Alloc	Alloc Change	Project	Alloc	Prior Yr Program	FY17	FY18	FY19	FY20	FY21						
Gateway Cities: INTERSTATE 710 SOUTH EARLY ACTION PROJECT					148,082.5	16,282.0		164,344.5		97,021.8	41,607.4	5,451.9	5,500.0	0.0	183.0						
GCCOG	MOU.306.03	GCCOG Engineering Support Services		Chg	1,700.0	0.0		1,700.0		1,600.0	100.0										
TOTAL GCCOG					1,700.0	0.0		1,700.0		1,600.0	100.0	0.0	0.0	0.0	0.0						
Metro	PS4720-3334	Program/Project Management Support of Measure R Funds			200.0	0.0		200.0		200.0											
Metro	PS-4010-2540-02-17	I-710/I-5 Interchange Project Development			600.0	0.0		600.0		600.0											
Metro	various	Professional Services contracts for I-710 Utility Studies (North, Central, South)			25,046.0	0.0		25,046.0		16,237.0	8,809.0										
Metro	PS4340-1939	Professional Services contract for I-710 Corridor Project EIR/EIS			32,520.9	0.0		32,520.9		18,749.9	13,771.0										
Metro	PS4710-2744	Professional Services contract for I-710 Soundwall Project Development			10,878.4	0.0		10,878.4		8,678.4	2,200.0										
Metro	TBD	I-710 Soundwall Package 2		Add	0.0	7,000.0		7,000.0					1,000.0	6,000.0							
Metro	MOU.Calstart2010	Professional Services contract for development of zero emission technology report			150.0	0.0		150.0		150.0											
Metro	TBD	I-710 ITS/Air Quality Early Action (Grant Match)			8,760.0	0.0		8,760.0			8,760.0										
Metro	MR306.41	FRATIS Modernization (Grant Match)			3,000.0	0.0		3,000.0				3,000.0									
Metro	MR306.38	Sustainable Transportation Planning Grant (Grant Match)			64.8	0.0		64.8			64.8										
TOTAL METRO					81,220.1	7,000.0		88,220.1		44,615.4	33,604.8	3,000.0	1,000.0	6,000.0	0.0						
POLA	MR306.40	I-710 Eco-FRATIS Drayage Truck Efficiency Project (Grant Match)			240.0	0.0		240.0			240.0										
TOTAL POLA					240.0	0.0		240.0		0.0	240.0	0.0	0.0	0.0	0.0						
Metro	13.01/USACE	Third Party Support Services for I-710 Corridor Project (US Army Corp of Eng)			100.0	0.0		100.0		100.0											
TOTAL USACE					100.0	0.0		100.0		100.0	0.0	0.0	0.0	0.0	0.0						
Metro	MR306.5B	Third Party Support Services for I-710 Corridor Project (So Cal Edison)			1,623.0	0.0		1,623.0		1,223.0	400.0										
Metro	MR306.39	I-710 Soundwall Project - SCE Utility Relocation Engineering Advance			75.0	0.0		75.0		0.0	75.0										
Metro	TBD	SCE design support I-710 Soundwall Package 2		Add		200.0		200.0				200.0									
TOTAL SCE					1,698.0	200.0		1,898.0		1,223.0	475.0	200.0	0.0	0.0	0.0						
Caltrans	MR306.24	Reconfiguration of Firestone Blvd On-Ramp to I-710 S/B Freeway			1,450.0	0.0		1,450.0		1,450.0											
Caltrans	MR306.27	Third Party Support for I-710 Corridor Project EIR/EIS Enhanced IQA			3,500.0	0.0		3,500.0		2,500.0	1,000.0										
Caltrans	MR306.29	I-710 Early Action Project - Soundwall PA/ED Phase - Noise Study Only			100.0	0.0		100.0		100.0											
TOTAL CALTRANS					5,050.0	0.0		5,050.0		4,050.0	1,000.0	0.0	0.0	0.0	0.0						

ATTACHMENT A

Measure R Highway Operational Improvements Projects													
<i>(Dollars in Thousands)</i>													
HIGHWAY OPS IMP GRAND TOTAL				984,421	30,261	1,014,661	537,534	172,669	119,783	97,349	63,484	9,261	
Lead Agency	Fund Agr (FA) No.	PROJECT/LOCATION	Notes	Prior Alloc	Alloc Change	Project Alloc	Prior Yr Program	FY17	FY18	FY19	FY20	FY21	
LA County	MR306.16	Staff Support for the Review of the Draft I-710 South EIR/EIS	Chg	98.0	59.0	157.0	84.5		72.5				
		TOTAL LA COUNTY		98.0	59.0	157.0	84.5	0.0	72.5	0.0	0.0	0.0	
Bell	MR306.37	Eastern at Bandini Rickenbacker Project (Call Match) F9200		178.6	0.0	178.6		178.6					
Bell	MR306.07	Staff Support for the Review of the Draft I-710 South EIR/EIS	Chg/Deob	150.0	(14.0)	136.0	60.9		75.1				
Bell	TBD	Gage Ave Bridge Replacement Project	Add		2,240.0	2,240.0				2,240.0			
Bell	TBD	Slauson Ave Bridge Replacement Project	Add		2,040.0	2,040.0				2,040.0			
		TOTAL BELL		328.6	4,266.0	4,594.6	60.9	178.6	75.1	0.0	0.0	0.0	
Bell Gardens	MR306.08	Staff Support for the Review of the Draft I-710 South EIR/EIS	Chg/Deob	154.0	(1.6)	152.4	68.1		84.2				
Bell Gardens	MR306.35	Florence/Jaboneria Intersection Project (Call Match) F9111		283.4	0.0	283.4	0.0				100.4	183.0	
Bell Gardens	MR306.30	Florence Ave/Eastern Ave Intersection Widening (Call Match) F7120	Chg	348.0	873.1	1,221.1		659.0	562.0				
		TOTAL BELL GARDENS		785.4	871.4	1,656.9	68.1	659.0	646.3	0.0	100.4	183.0	
Commerce	MR306.23	Washington Blvd Widening and Reconstruction Project		13,500.0	0.0	13,500.0	10,500.0	3,000.0					
Commerce	MR306.09	Staff Support for the Review of the Draft I-710 South EIR/EIS		75.0	0.0	75.0	75.0						
		TOTAL COMMERCE		13,575.0	0.0	13,575.0	10,575.0	3,000.0	0.0	0.0	0.0	0.0	
Compton	MR306.10	Staff Support for the Review of the Draft I-710 South EIR/EIS		35.3	0.0	35.3	35.3						
		TOTAL COMPTON		35.3	0.0	35.3	35.3	0.0	0.0	0.0	0.0	0.0	
Downey	MR306.18	Staff Support for the Review of the Draft I-710 South EIR/EIS	Chg	130.0	(10.0)	120.0	10.0		110.0				
Downey	MR306.20	Paramount Blvd/Firestone Intersection Improvements (Complete)	Chg	3,169.0	(100.0)	3,069.0	3,069.0						
Downey	MR306.41	Firestone Blvd Improvement Project (Old River Rd. to West City Limits)	Chg	223.0	100.0	323.0	223.0		100.0				
Downey	MR306.31	Lakewood Blvd Improvement Project		5,000.0	0.0	5,000.0	5,000.0						
		TOTAL DOWNEY		8,522.0	(10.0)	8,512.0	8,302.0	0.0	210.0	0.0	0.0	0.0	

ATTACHMENT A

Measure R Highway Operational Improvements Projects												
<i>(Dollars in Thousands)</i>												
HIGHWAY OPS IMP GRAND TOTAL				984,421	30,261	1,014,661	537,534	172,669	119,783	97,349	63,484	9,261
Lead Agency	Fund Agr (FA) No.	PROJECT/LOCATION	Notes	Prior Alloc	Alloc Change	Project Alloc	Prior Yr Program	FY17	FY18	FY19	FY20	FY21
Huntington Park	MR306.36	Staff Support for the Review of the Draft I-710 South EIR/EIS		15.0	0.0	15.0	15.0					
		TOTAL HUNTINGTON PARK		15.0	0.0	15.0	15.0	0.0	0.0	0.0	0.0	0.0
Long Beach	MR306.19	Shoemaker Bridge Replacement Project		5,500.0	0.0	5,500.0	4,000.0	1,500.0				
Long Beach	MR306.11	Staff Support for the Review of the Draft I-710 South EIR/EIS	Chg	200.0	(54.0)	146.0	46.0		100.0			
Long Beach	MR306.22	Atlantic Ave/Willow St Intersection Improvements		300.0	0.0	300.0	300.0					
		TOTAL LONG BEACH		6,000.0	(54.0)	5,946.0	4,346.0	1,500.0	100.0	0.0	0.0	0.0
Lynwood	TBD	Staff Support for the Review of the Draft I-710 South EIR/EIS	Add		20.0	20.0			20.0			
		TOTAL LYNWOOD		0.0	20.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0
Maywood	MR306.12	Staff Support for the Review of the Draft I-710 South EIR/EIS		65.0	0.0	65.0	65.0					
		TOTAL MAYWOOD		65.0	0.0	65.0	65.0	0.0	0.0	0.0	0.0	0.0
Paramount	MR306.13	Staff Support for the Review of the Draft I-710 South EIR/EIS	Chg	130.0	0.0	130.0	50.0		80.0			
Paramount	MR306.32	Garfield Ave Improvements	Chg	2,075.0	750.0	2,825.0	2,075.0		750.0			
		TOTAL PARAMOUNT		2,205.0	750.0	2,955.0	2,125.0	0.0	830.0	0.0	0.0	0.0
South Gate	MR306.14	Staff Support for the Review of the Draft I-710 South EIR/EIS	Chg	200.0	(15.5)	184.5	84.5		100.0			
South Gate	MR306.17	Atlantic Ave/Firestone Blvd Intersection Improvements (Complete)		12,400.0	0.0	12,400.0	12,400.0					
South Gate	MR306.33	Firestone Blvd Regional Corridor Capacity Enhancement Project		6,000.0	0.0	6,000.0	6,000.0					
South Gate	MR306.43	I-710 Soundwall Project - Package 1 Construction Phase	Chg	5,700.0	3,200.0	8,900.0			200.0	4,500.0	4,200.0	
		TOTAL SOUTH GATE		24,300.0	3,184.5	27,484.5	18,484.5	0.0	300.0	4,500.0	4,200.0	0.0
Vernon	MR306.15	Staff Support for the Review of the Draft I-710 South EIR/EIS	Chg/Deob	75.0	(4.8)	70.2	52.2		18.0			
Vernon	MR306.25	Atlantic Blvd Bridge Widening and Rehabilitation		2,070.0	0.0	2,070.0	1,220.0	850.0				
		TOTAL VERNON		2,145.0	(4.8)	2,140.2	1,272.2	850.0	18.0	0.0	0.0	0.0
		TOTAL I-710 SOUTH & EARLY ACTION PROJ		148,082.5	16,282.0	164,344.5	97,021.8	41,607.4	5,451.9	5,500.0	10,300.4	183.0

ATTACHMENT A

Measure R Highway Operational Improvements Projects												
<i>(Dollars in Thousands)</i>												
HIGHWAY OPS IMP GRAND TOTAL				984,421	30,261	1,014,661	537,534	172,669	119,783	97,349	63,484	9,261
Lead Agency	Fund Agr (FA) No.	PROJECT/LOCATION	Notes	Prior Alloc	Alloc Change	Project Alloc	Prior Yr Program	FY17	FY18	FY19	FY20	FY21
North County: SR-138 Capacity Enhancements				200,000.0		200,000.0	72,900.0	33,800.0	20,100.0	28,000.0	45,200.0	
Metro	MR330.01	SR-138 (AvenueD) PA/ED (I-5 to SR-14)		19,400.0		19,400.0	18,000.0	1,400.0				
Metro/Caltrans	MR330.12	SR 138 Segment 6 Construction		5,600.0		5,600.0				5,600.0		
		TOTAL METRO		25,000.0	0.0	25,000.0	18,000.0	1,400.0	0.0	5,600.0	0.0	0.0
Lancaster	MR330.02	SR-138 (SR-14) Avenue K Interchange		15,000.0		15,000.0	5,000.0	10,000.0				
Lancaster	MR330.03	SR-138 (SR-14) Avenue G Interchange		15,000.0		15,000.0	3,100.0				11,900.0	
Lancaster	MR330.04	SR-138 (SR-14) Avenue J Interchange		10,000.0		10,000.0	2,300.0	1,000.0			6,700.0	
Lancaster	MR330.05	SR-138 (SR-14) Avenue L Interchange		5,000.0		5,000.0	200.0	100.0	900.0		3,800.0	
Lancaster	MR330.06	SR-138 (SR-14) Avenue M Interchange		20,000.0		20,000.0	3,900.0	500.0		15,600.0		
		TOTAL LANCASTER		65,000.0	0.0	65,000.0	14,500.0	11,600.0	900.0	15,600.0	22,400.0	0.0
Palmdale	MR330.07	SR-138 Palmdale Blvd. (SR-138) 5th to 10th St. East		25,000.0		25,000.0	25,000.0					
Palmdale	MR330.08	SR-138 Palmdale Blvd. SB 14 Ramps		25,000.0		25,000.0	4,100.0	2,500.0		6,800.0	11,600.0	
Palmdale	MR330.09	SR-138 10th St. West Interchange		15,000.0		15,000.0	3,900.0	7,000.0	4,100.0			
Palmdale	MR330.10	SR-138 (SR-14) Widening Rancho Vista Blvd. to Palmdale Blvd		25,000.0		25,000.0	6,600.0	8,800.0	9,600.0			
Palmdale	MR330.11	SR-138 Avenue N Overcrossing		20,000.0		20,000.0	800.0	2,500.0	5,500.0		11,200.0	
		TOTAL PALMDALE		110,000.0	0.0	110,000.0	40,400.0	20,800.0	19,200.0	6,800.0	22,800.0	0.0
		TOTAL SR-138 CAPACITY ENH		200,000.0		200,000.0	72,900.0	33,800.0	20,100.0	28,000.0	45,200.0	0.0

**MEASURE R EXTENSION LIST AS OF JUNE 30, 2017
(\$000)**

PROJECT NUMBER	LEAD AGENCY	PROJECT	LAPSING FUNDS	LAPSING PROG YR	TOTAL PROG \$ TO BE LAPSED	TOTAL EXPEN \$ TO DATE	AMOUNT SUBJECT TO LAPSE	REC'D EXT YR(S)	REASON FOR EXT	NEW REVISED LAPSED DATE
MR312.05	Hermosa Beach	PCH (SR1) Improvements btwn Anita St and Artesia Ave	Mea. R	2017	304	91	213	1	1	6/30/2018
MR312.06	Redondo Beach	PCH Arterial Impr frm Anita St. to Palos Verdes Blvd	Mea. R	2017	1,400	75	1325	1	1	6/30/2018
MR312.07	Redondo Beach	PCH at Torrance Blvd Intersection Improvements	Mea. R	2017	585	110	475	1	1	6/30/2018
MR312.08	Redondo Beach	PCH at Palos Verdes Blvd Intersection Improvements	Mea. R	2017	320	77	213	1	1	6/30/2018
MR312.20	Redondo Beach	Aviaton Blvd at Artesia Blvd Intersection Improvements	Mea. R	2017	847	147	767	1	1	6/30/2018
MR312.12	Inglewood	Inglewood Intelligent Transportation System Phase IV	Mea. R	2017	300	252	273	1	1	6/30/2018
MR310.16	Burbank	San Fernando Rd./Burbank Blvd Interchange	Mea. R	2017	575	260	315	1	1	6/30/2018
Total					\$4,331	\$1,012	\$3,581			

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| <p>1. Project delay due to unforeseen and extraordinary circumstances beyond the control of the project sponsor (federal or state delay, legal challenges, third party coordination issues, act of God, etc);</p> <p>2. Project is contractually obligated, however, a time extension is needed to complete construction that is already underway (capital projects only);</p> <p>3. Project delay due to Metro action that results in a change in project scope, schedule, or sponsorship that is mutually agreed.</p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|