

South Bay Cities Council of Governments

November 6, 2016

TO: SBCCOG Steering Committee - 11/14/16 meeting
SBCCOG Infrastructure Working Group – 11/16/16 meeting
SBCCOG Board of Directors 11/17/16 meeting

FROM: Jacki Bacharach, Executive Director
Steve Lantz, Transportation Director

SUBJECT: South Bay Highway Program (SBHP) 2017-2018 Metro Budget Request (MBR)

Adherence to Strategic Plan:

Goal A: Environment, Transportation, and Economic Development. Facilitate, implement, and/or educate members and others about environmental, transportation, and economic development programs that benefit the South Bay. Strategy 5 – Actively pursue opportunities for infrastructure funding for member agencies.

Background

Over the past four months, SBCCOG staff and consultants have worked with the L. A. Metro staff, SBCCOG Infrastructure Working Group, and SBHP project lead agencies to determine the cash flow needs for existing and new South Bay Highway Program (SBHP) projects during the upcoming fiscal year and over the life of each project. SBCCOG staff, Metro staff, and South Bay lead agencies have compiled the FY 2017-18 Metro Budget Request (see Exhibit A) consistent with policies approved by the SBCCOG Board of Directors in 2015.

In addition to adjusting cash flow on existing projects to reflect changes from lead agencies, SBCCOG staff incorporated 5 new project requests in the MBR. Staff determined that a proposed update of the Inglewood ITS Master Plan was not eligible because Metro no longer allows feasibility and planning studies to be funded within the SBHP program. In addition, a requested City of Carson project to improve 223rd Street was deferred to allow the city to document the reduction in vehicular delay that would be achieved by the project.

Since the SBCCOG Board of Directors does not meet in December, Board action is needed at the November 17, 2016 meeting in order to comply with Metro's submittal deadline of December 31, 2016. SBCCOG Board recommendations are subject to Metro's review and concurrence as to the eligibility of the requested projects and the Measure R SBHP funding share of project costs. Metro staff will make its recommendations to the Metro Board of Directors in the Spring of 2017. The Metro Board approved SBHP Budget Request (MBR) will be incorporated into the Metro 2017-18 budget (effective July 1, 2017).

In addition to the MBR, SBCCOG staff and consultants have worked with lead agencies to

compile a comprehensive list of project and study Measure R reimbursements that can be anticipated to be complete for the current and new project commitments between FY 2018 and FY 2022 (see Exhibit B).

FY 2017-18 METRO BUDGET REQUEST

The MBR (see Exhibit A) identifies Measure R South Bay Highway Program cash flow requirements for FY 2017-18. The MBR includes a schedule of projected reimbursement costs for SBHP projects, program development and administrative expenses. The Metro Budget Request for FY 2017-2018 totals approximately \$64 million.

FY 2018-2022 COMPREHENSIVE SBHP LIST

SBCCOG staff also has worked with lead agencies to compile a more comprehensive magnitude-of-cost estimate of the cash flow needed in future years to complete the projects in Exhibit A. (see Exhibit B). The estimate is helpful to understand future annual cash flow needs in the context of Metro's Measure R annual allocation forecasts in the 2008 Measure R Expenditure Plan (Line 33 – South Bay Ramps and Interchange Improvements: I-405, I-110, I-105, and SR-91).

The FY 2018 - 2022 SBHP program reimbursements are expected to total \$238.5 million. When added to the \$78.8 million that has been reimbursed between 2010 and 2017, the total committed to the SBHP by 2022 will be \$317.3 million. However, the 2011 Metro Long Range Transportation Plan only allocates \$287.1 million through 2022, which is less than the total funds that would have been programmed by \$30.2 million.

SBCCOG first identified the projected shortfall while preparing the MBR last year. In order to offset the projected shortfall, and consistent with SBHP matching policies adopted by the SBCCOG Board in 2015, lead agencies were asked to commit matching funding for any projects in excess of \$ 2 million. This MBR reflects the matching fund requirement. SBCCOG staff expects to be able to mitigate the 5-year projected cashflow shortfall by annually adjusting cashflow schedules and approving fewer new projects.

Recommendations

1. Recommend SBCCOG Board approval of the FY 2017-18 SBHP Metro Budget Request as reflected in Exhibit A to enable transmittal of the request to Metro by December 31, 2016; and
2. Recommend that the SBCCOG Board receives and files the magnitude-of-cost cash flow funding estimates to complete the SBHP projects identified in Exhibit B.

Metro Project ID FA Type	Phase	Updated: 11/07/2016			Est. Reimbursement as of 6/30/17	2017-2018 (FY 18)				
		Lead Agency / Description	Total Phase Cost	Measure R Share FY11-22		Q1 17-18 July-Sept	Q2 17-18 Oct-Dec	Q3 17-18 Jan-March	Q4 17-18 April-June	17-18 TOTAL
ADMINISTRATIVE										
SBHP Administrative & Program Development Cost			\$4,273,153	\$4,273,153	\$2,197,430	\$77,381	\$77,381	\$77,381	\$77,381	\$309,524
ACTIVE FEASIBILITY/PLANNING STUDIES										
EXECUTED SBHP TO 2014-1	Feasibility Study	City of El Segundo Aviation Blvd, Douglas St. and El Segundo Blvd. Commuter Bikeways Study	\$150,000	\$150,000	\$150,000					\$0
EXECUTED FEAS STUDY SBHP TO 2015-1	Feasibility Study	Port of LA Vincent Thomas Bridge (SR-47) I-110 Connector	\$1,000,000	\$1,000,000	\$1,000,000					\$0
EXECUTED MR312.24	PA/ED	Caltrans PAED I-110 Auxiliary lane from SR-91 to Torrance Blvd Auxiliary lane & 405/110 Connector	\$1,200,616	\$1,200,616	\$1,020,000					\$0
	Design/Construction	Design and Construction Phase	\$51,000,000	\$28,900,000	\$0			\$3,400,000	\$3,400,000	\$6,800,000
EXECUTED MR312.25	PA/ED	Caltrans PAED I-405 at 182nd St/Crenshaw Boulevard	\$1,700,000	\$0	\$1,599,903					\$0
	Design/Construction	Design and Construction Phase	\$87,000,000	\$46,900,000	\$0	\$700,000	\$700,000	\$700,000	\$700,000	\$2,800,000
COMMITTED MR312.30	Feasibility Study	Caltrans I-405 from I-110 to I-105 and I-105 from I-405 to Crenshaw: Corridor Refinement Studies	\$700,000	\$700,000	\$300,000	\$100,000	\$100,000	\$100,000	\$100,000	\$400,000
COMMITTED MR312.45	PA/ED	Caltrans PAED/Implement an Integrated Corridor Management System along the SR -110 Corridor between Artesia Boulevard and the I-405. The project will integrate freeway, arterial and transit operations, implement a Decision Support System for coordinated agency operations and traveler information systems.	\$1,000,000	\$1,000,000	\$0					\$0
COMMITTED MR312.38	PA/ED	City of Hermosa Beach Pacific Coast Highway at Aviation Blvd Intersection Improvements (Southbound left turn lanes)	\$4,600,000	\$872,000	\$0				\$400,000	\$400,000
COMMITTED MR312.31	PA/ED	Metro PAVED for Florence Ave at La Brea Ave - Construct new Downtown Inglewood Transit Center at La Brea Station of Crenshaw Line	\$1,500,000	\$1,500,000	\$120,000	\$30,000	\$213,750	\$213,750	\$213,750	\$671,250
ACTIVE PROJECTS (Funding Agreements Executed)										
EXECUTED MR312.11	Design/Construction	Caltrans ITS: I-405, I-110, I-105, SR-91 at freeways ramp/arterial signalized intersections - DCCM	\$5,357,000	\$5,357,000	\$5,357,002					\$0
EXECUTED MR312.29	Design/Construction	Caltrans Pacific Coast Highway (SR-1) ITS with parallel arterials from I-105 to I-110	\$9,000,000	\$3,975,889	\$3,975,889					\$0
EXECUTED MR312.37	Design/Construction	City of Carson Sepulveda Boulevard widening from Alameda Street to ICTF Driveway	\$7,500,000	\$2,658,000	\$1,158,000	\$375,000	\$375,000	\$375,000	\$375,000	\$1,500,000
EXECUTED MR312.33	Design/Construction	City of Hawthorne Aviation Bl at Marine Ave; construct westbound right-turn lane.	\$3,600,000	\$4,343,629	\$1,243,629	\$15,000	\$30,000	\$25,000	\$230,000	\$300,000
COMMITTED MR312.54	Design/Construction	City of Hawthorne Inglewood Ave at El Segundo Bl, Crenshaw Bl at Rocket Road & Crenshaw Bl at Jack Northrop & 120th St from Prairie Ave to Felton Ave - Intersection widening improvements & traffic signal modifications	\$2,000,000	\$2,000,000	\$980,000	\$100,000	\$20,000	\$100,000	\$800,000	\$1,020,000
EXECUTED MR312.05	Design/Construction	City of Hermosa Beach Pacific Coast Highway (SR-1) between Anita St and Artesia Blvd: Improvements	\$2,200,000	\$2,160,000	\$0	\$49,950	\$49,950	\$49,950	\$49,950	\$199,800
EXECUTED MR312.12	Design/Construction	City of Inglewood Citywide ITS Phase IV	\$3,500,000	\$3,500,000	\$1,681,470	\$445,000	\$445,000	\$445,000	\$505,000	\$1,840,000
EXECUTED MR312.43	Design/Construction	City of Lomita Intersection Improvements at Western (SR-213) /Palos Verdes Dr. & Pacific Coast Highway (SR-1)/Walnut	\$900,000	\$900,000	\$877,477					\$0
EXECUTED MR312.28	Construction	City of Manhattan Beach Seismic retrofit of Sepulveda Blvd (SR-1) bridge 53-62	\$9,100,000	\$9,100,000	\$2,500,000	\$2,000,000	\$2,000,000	\$2,000,000	\$600,000	\$6,600,000
EXECUTED MR312.34	Construction	City of Manhattan Beach Aviation Blvd at Artesia Blvd Intersection Improvements (Southbound right turn lane)	\$1,500,000	\$1,500,000	\$544,000	\$54,000		\$602,000	\$300,000	\$956,000
EXECUTED MR312.35	Construction	City of Manhattan Beach Sepulveda Blvd (SR-1) at Manhattan Beach Blvd Intersection Improvements (NB, WB, EB left turn lanes and SB right turn lane)	\$980,000	\$980,000	\$70,000	\$10,000	\$10,000	\$10,000	\$10,000	\$40,000
EXECUTED MR312.06	Design/Construction	City of Redondo Beach Pacific Coast Highway (SR-1) Arterial Improvements from Anita St to Palos Verdes Blvd	\$1,393,144	\$1,393,144	\$218,144	\$195,000	\$220,000	\$160,000	\$200,000	\$775,000
EXECUTED MR312.07	Construction	City of Redondo Beach Pacific Coast Highway (SR-1) at Torrance Blvd Intersection Improvements	\$581,454	\$581,454	\$581,454					\$0
EXECUTED MR312.08	Design/Construction	City of Redondo Beach Pacific Coast Highway (SR-1) at Palos Verdes Blvd Intersection Improvements	\$320,000	\$320,000	\$301,176					\$0
EXECUTED MR312.20	Design/Construction	City of Redondo Beach Aviation Blvd at Artesia Blvd Intersection Improvements	\$821,569	\$821,569	\$546,569	\$170,000	\$105,000			\$275,000

Metro Project ID FA Type	Phase	Updated: 11/07/2016			2017-2018 (FY 18)					
		Lead Agency / Description	Total Phase Cost	Measure R Share FY11-22	Est. Reimbursement as of 6/30/17	Q1 17-18 July-Sept	Q2 17-18 Oct-Dec	Q3 17-18 Jan-March	Q4 17-18 April-June	17-18 TOTAL
EXECUTED MR312.42	Design/Construction	City of Redondo Beach Inglewood Ave at Manhattan Beach Bl: Add SB right-turn lane south of railroad tracks to Manhattan Beach Bl	\$5,169,638	\$5,169,638	\$960,638	\$810,000	\$734,000	\$720,000	\$80,000	\$2,344,000
EXECUTED MR312.10	Design/Construction	City of Torrance Pacific Coast Highway (SR-1) at Hawthorne Blvd (SR-107) Intersection Improvements	\$19,645,697	\$19,645,697	\$9,045,697	\$1,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$7,000,000
EXECUTED MR312.23	Design/Construction	City of Torrance Torrance Park and Ride Regional Terminal	\$18,077,368	\$18,077,368	\$11,477,368	\$500,000	\$2,000,000	\$2,000,000	\$2,100,000	\$6,600,000
EXECUTED MR312.26	Design/Construction	City of Torrance I-405 at 182nd St. /Crenshaw Blvd. operational improvements	\$15,843,312	\$15,843,312	\$5,605,312	\$60,000	\$60,000	\$20,000	\$320,000	\$460,000
EXECUTED MR312.40	Design/Construction	City of Torrance Pacific Coast Highway (SR-1) at Vista Montana/Anza Ave Intersection Improvement	\$2,917,664	\$2,917,664	\$443,664			\$20,000	\$300,000	\$320,000
EXECUTED MR312.58	Design/Construction	City of Torrance Pacific Coast Highway (SR-1) from Calle Mayor to Janet Ln. safety improvement.	\$852,000	\$852,000	\$852,000					\$0
EXECUTED MR312.59	Design/Construction	City of Torrance PCH at Madison Ave- Signal Upgrades to provide left-turn phasing	\$500,000	\$500,000	\$90,019	\$200,000	\$200,000			\$400,000
EXECUTED MR312.60	Design/Construction	City of Torrance Crenshaw Blvd. from Del Amo to Dominguez; three Southbound turn lanes at 1) Del Amo Blvd; 2) extension of 208th St; 3) Transit Center Entrance. Signal Improvements at two existing and new signal at Transit Center and extension of 208th St.	\$3,300,000	\$3,300,000	\$44,135		\$500,000	\$755,000	\$500,000	\$1,755,000
COMMITTED PROJECTS (Funding Agreements to be Executed)										
COMMITTED MR312.41	Design/Construction	City of Carson Traffic Signal upgrades at 10 intersections: Figueroa St. at Victoria St., Main St. at 220th St., Main St. at Victoria St., Main St. at Albertoni St., Figueroa St. at 223rd St., Broadway at Victoria St., Albertoni St., Gardena Blvd., Alondra Blvd. and a midblock crossing south of Albertoni Blvd.	\$1,400,000	\$1,400,000	\$0	\$35,000	\$35,000	\$35,000	\$35,000	\$140,000
COMMITTED MR312.46	Design/Construction	City of Carson Figueroa St. at 234th St. - Upgrade the traffic signal equipment to modernize the controller and signal lights	\$150,000	\$150,000	\$0	\$37,500	\$37,500	\$37,500	\$37,500	\$150,000
COMMITTED MR312.57	Design/Construction	City of El Segundo Park Place from Nash St. to Allied Way, Roadway extension and railroad grade separation	\$54,000,000	\$35,000,000	\$0	\$350,000	\$3,900,000	\$1,000,000	\$1,000,000	\$6,250,000
COMMITTED MR312.02	Design/Construction	City of Gardena Rosecrans Ave at Vermont Ave & Redondo Beach Bl at Vermont Ave - Traffic Signal upgrades and synchronization, add turn pockets, traffic channelization.	\$1,500,000	\$1,500,000	\$0	\$10,000	\$18,000	\$30,000	\$38,000	\$96,000
COMMITTED MR312.09	Design/Construction	City of Gardena Artesia Bl from Western Ave to Vermont Ave - Arterial Improvements, traffic signal upgrades and synchronization, add turn pockets, traffic channelization.	\$2,654,000	\$2,523,200	\$0	\$30,000	\$40,000	\$80,000	\$40,000	\$190,000
COMMITTED MR312.61	Design/Construction	City of Hawthorne Hawthorne Bl from 120th St to 111th St - Arterial Improvements	\$5,000,000	\$4,400,000	\$1,100,000	\$500,000	\$1,000,000	\$800,000	\$1,000,000	\$3,300,000
COMMITTED MR312.47	Construction	City of Hawthorne Prairie Ave from 118th St to Marine Ave- Signal Improvements	\$1,237,000	\$1,237,000	\$204,114	\$204,114	\$204,114	\$204,114	\$204,114	\$816,456
COMMITTED MR312.63	Design	City of Hermosa Beach PA/ED Aviation Bl from PCH to Prospect Ave - Arterial Improvements.	\$1,800,000	\$1,800,000	\$0				\$900,000	\$900,000
COMMITTED MR312.50	Construction	City of Inglewood Citywide ITS Phase V- Communication gap closure on various locations, TS upgrade and arterial detection	\$384,000	\$384,000	\$0	\$14,000	\$14,000	\$14,000	\$109,000	\$151,000
COMMITTED MR312.53	Construction	City of Lawndale Redondo Beach Blvd. Mobility Improvements from Prairie to Artesia (PSRE) at I-405, from Hawthorne Bl. to Prairie Ave- PS&E / ROW Acquisition; Signal upgrades, concrete pads for transit, ADA ramps	\$1,039,262	\$1,039,262	\$0	\$129,908	\$129,908	\$129,908	\$129,908	\$519,632
COMMITTED MR312.51	Construction	City of Los Angeles Anaheim St from Farragut Ave to Dominguez Channel- Widen from 78' to 84' and restripe to accommodate an additional lane in each direction	\$3,141,450	\$1,313,041	\$262,608	\$262,609	\$262,608	\$262,608	\$262,608	\$1,050,433
COMMITTED MR312.52	Construction	Los Angeles County 2013 CFP South Bay Forum systemwide operational improvements, coordination and timing, and ITS improvements	\$1,021,000	\$1,021,000	\$0					\$0
COMMITTED MR312.62	Design/Construction	City of Manhattan Beach Sepulveda Bl at Rosecrans Ave, 33rd St, Cedar Ave, 14th St & 2nd St - Operational Improvements.	\$900,000	\$900,000	\$10,000	\$15,000	\$10,000	\$10,000	\$10,000	\$45,000
COMMITTED PROJECT MR312.##	PD/EA and PS&E	City of Torrance Pacific Coast Highway (SR-1) and Crenshaw Ave- Preliminary Design, EIR and P.S.&E. for operational improvements	\$1,300,000	\$1,300,000	\$0					\$0
COMMITTED PROJECT MR312.##	PS&E	City of Torrance Hawthorne Bl (SR-107) at: 182nd Street, Spencer Street, Emerald Street, and Lomita Blvd. P.S.&E for roadway widening to construct new northbound right turn lanes	\$810,000	\$810,000	\$0			\$20,000	\$20,000	\$40,000

Metro Project ID FA Type	Phase	Updated: 11/07/2016			2017-2018 (FY 18)					
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NEW REQUEST FOR PROJECTS										
Requested	Design/Construction	City of Carson I-110 Freeway Arterial Signal Improvements	\$3,520,000	\$1,760,000	\$0	\$66,250	\$66,250	\$66,250	\$66,250	\$265,000
Requested	Design/Construction	City of Inglewood Prairie Avenue Signal Synchronization	\$205,000	\$205,000	\$0	\$41,250	\$41,250	\$41,250	\$41,250	\$165,000
Requested	Design/Construction	City of Lawndale Left-Turn traffic signal improvements at Manhattan Beach Blvd and Hawthorne Blvd, and installation of traffic signal battery back-up systems	\$507,799	\$507,799	\$0		\$50,055	\$24,654	\$400,000	\$474,709
Requested	Construction	City of Los Angeles Alameda St widening project from Anaheim St to 300ft South of PCH (Alameda North)	\$8,421,550	\$7,137,235	\$0			\$295,247	\$1,393,565	\$1,688,812
Requested	Construction	City of Los Angeles Alameda St widening project from Anaheim St to Harry Bridges Blvd (Alameda South)	\$28,587,528	\$17,481,330	\$0			\$1,790,544	\$1,790,544	\$3,581,087
Requested	Design/Construction	City of Los Angeles (Port of LA) SR-47/Vincent Thomas Bridge and Front St/Harbor Blvd Interchange Reconfiguration	\$28,000,000	\$17,400,000	\$0			\$300,000	\$300,000	\$600,000
Requested	Design/Construction	County of Los Angeles South Bay Arterial System Detection	\$2,000,000	\$2,000,000	\$0			\$20,000	\$20,000	\$40,000
Requested	Corridor Plan	SBCCOG Creation of a plan to integrate slow speed and autonomous vehicle corridors into the South Bay Highway Program state highway and arterial networks	\$35,000	\$35,000	\$0	\$0	\$12,000	\$16,000	\$7,000	\$35,000
Requested	Strategic Plan	SBCCOG Development of a South Bay Signal Forum Strategic Plan to guide South Bay interagency ITS project development and administrative strategies	\$25,000	\$25,000	\$0	\$5,000	\$7,500	\$10,000	\$2,500	\$25,000
COMPLETED FEASIBILITY/PLANNING STUDIES										
Completed TO 2014-3 A-F	Feasibility Study	City of Gardena Feasibility Studies for 2015 Metro CFP	\$42,632	\$42,632	\$42,632					\$0
Completed SBHP TO 9.5	Feasibility Study	City of Gardena PSRE for three park and ride facilities	\$11,920	\$11,920	\$11,920					\$0
Completed SBHP TO 9.2	Feasibility Study	City of Hawthorne PSRE for Signal and associated improvements on Prairie Ave from 118th St. to Marine Ave.	\$32,643	\$32,643	\$32,643					\$0
Completed SBPH TO 2014-5	Feasibility Study	City of Hermosa Beach PSR for Pacific Coast Highway (SR-1) / Aviation Blvd. Mobility Improvements Project	\$190,000	\$190,000	\$190,000					\$0
Completed SBPH TO 9.3	Feasibility Study	City of Inglewood PSRE for geometric improvements on La Cienega Blvd and Manchester Blvd.	\$31,664	\$31,664	\$31,664					\$0
Completed SBHP TO 9.4	Feasibility Study	City of Inglewood PSRE for Phase V of Inglewood's ITS Upgrades	\$24,434	\$24,434	\$24,434					\$0
Completed SBHP TO 2014-4	Feasibility Study	City of Inglewood PSR for Manchester/La Cienega Bundled Projects: channelize and raise median Manchester Boulevard from Ash Avenue to La Cienega Boulevard, improve turn radii La Cienega Boulevard at Manchester Boulevard, improve turn radii and through-right lane La Cienega Boulevard at Florence Avenue	\$23,625	\$23,625	\$23,625					\$0
Completed SBHP TO 2014-6	Feasibility Study	City of Lawndale PSRE for Redondo Beach Blvd. Mobility Improvements from Prairie Ave. to Artesia Blvd. at I-405, from Hawthorne Bl. to Prairie Ave. Signal upgrades, concrete pads for transit, ADA ramps	\$47,360	\$47,360	\$47,360					\$0
Completed SBHP TO 2014-7	Feasibility Study	City of Manhattan Beach PSR for 7 intersections along Sepulveda Blvd (SR-1) corridor that were identified in the 2009 PCH Study conducted by SCAG and the SBCCOG: at Rosecrans., Marine Ave. / Cedar Ave., Valley Dr., 33rd St., 30th St., 14th St., and 2nd St.	\$43,043	\$43,043	\$43,043					\$0
Completed Feas Study	Feasibility Study	Metro South Bay Baseline Arterial Performance Monitoring Implementation Study	\$250,000	\$250,000	\$250,000					\$0
Completed SBHP TO 9.1	Feasibility Study	City of Torrance PSRE for additional turn lanes on Western Ave. (SR-213) at Sepulveda Blvd.	\$37,921	\$37,921	\$37,921					\$0
Completed SBHP TO 2014-2A	Feasibility Study	City of Torrance Western Ave (SR-213) at Sepulveda Blvd Intersection Improvements	\$80,000	\$80,000	\$80,000					\$0
Completed SBHP TO 2014-2B	Feasibility Study	City of Torrance PSR for Hawthorne Blvd. (SR-107) Corridor Improvements at Lomita Blvd, Emerald, Spencer, and 182nd Streets	\$70,000	\$70,000	\$70,000					\$0
Completed MR312.56	PA/ED	City of Los Angeles Review of Feas. Study on Del Amo Blvd from Western Ave to Vermont Ave.	\$100,000	\$100,000	\$100,000					\$0
Completed MR312.16	PA/ED	Los Angeles County Del Amo Boulevard from Normandie Boulevard to Vermont Ave	\$400,000	\$400,000	\$400,000					\$0

		Updated: 11/07/2016			2017-2018 (FY 18)					
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COMPLETED PROJECTS										
Completed MR312.22 D, C	Construction	City of El Segundo Maple Ave Arterial Improvements from Sepulveda Blvd to Parkview Ave	\$2,500,000	\$2,500,000	\$2,157,575					\$0
Completed MR312.17	Design/ Construction	City of Gardena Rosecrans Ave Arterial Improvements From Vermont Ave to Crenshaw Blvd.	\$5,140,000	\$5,140,000	\$4,966,988					\$0
Completed MR312.19 PD, D, C	Construction	City of Gardena Artesia Blvd at Western Ave Intersection Improvements (WB Left Turn Lanes)	\$600,000	\$600,000	\$431,825					\$0
Completed MR312.21		City of Gardena Vermont Arterial Improvement From Rosecrans Ave to 182nd Street	\$2,350,000	\$2,350,000	\$2,090,342					\$0
Completed MR312.03	Construction	City of Hawthorne Rosecrans Ave Arterial Improvements from I-405 SB Off-Ramp to Isis Ave	\$2,100,000	\$2,100,000	\$2,100,000					\$0
Completed MR312.44		City of Hawthorne Hawthorne Blvd From El Segundo Blvd. to Rosecrans Ave	\$7,551,000	\$7,551,000	\$7,551,000					\$0
Completed MR312.13	Construction	City of Redondo Beach Aviation Blvd at Artesia Blvd Intersection Imp.	\$22,000	\$22,000	\$19,281					\$0
Completed MR312.14	Construction	City of Redondo Beach Inglewood Ave at Manhattan Beach Blvd Intersection Improvements	\$30,000	\$30,000	\$27,122					\$0
Completed MR312.18	Construction	City of Torrance Maple Ave at Sepulveda Blvd. Intersection Improvements	\$540,000	\$540,000	\$319,869					\$0
Completed MR312.36	Construction	City of Lawndale Traffic Signal Improvements Citywide	\$1,500,000	\$878,945	\$878,945					\$0
Completed MR312.04	Construction	City of Manhattan Beach Sepulveda Blvd at Marine Ave (WB Left Turn Lane)	\$365,000	\$365,000	\$346,469					\$0
TOTALS			\$439,104,446	\$317,183,187	\$78,792,356	\$8,591,962	\$15,668,266	\$18,960,155	\$21,068,319	\$64,288,703

		Updated: 11/07/2016				Future Years					Total Project Est. Cost		
Metro Project ID FA Type	Phase	Lead Agency / Description	Total Phase Cost	Measure R Share FY11-22	Est. Reimbursement as of 6/30/17	17-18 TOTAL	18-19 TOTAL	19-20 TOTAL	20-21 TOTAL	21-22 TOTAL	Total Project Est. Cost (All Phases and Sources)	Estimated Measure R Cost Past 2022	Total Cost Est. Source
ADMINISTRATIVE													
SBHP Administrative & Program Development Cost			\$4,273,153	\$4,273,153	\$2,197,430	\$309,524	\$317,760	\$376,240	\$324,980	\$353,976	\$11,164,715	\$6,891,563	All Admin
ACTIVE FEASIBILITY/PLANNING STUDIES													
EXECUTED SBHP TO 2014-1	Feasibility Study	City of El Segundo Aviation Blvd, Douglas St. and El Segundo Blvd. Commuter Bikeways Study	\$150,000	\$150,000	\$150,000	\$0	\$0	\$0	\$0	\$0	\$3,000,000	\$2,650,000	Placeholder Est.
EXECUTED FEAS STUDY SBHP TO 2015-1	Feasibility Study	Port of LA Vincent Thomas Bridge (SR-47) I-110 Connector	\$1,000,000	\$1,000,000	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$0	Construction Separate
EXECUTED MR312.24	PA/ED	Caltrans PAED I-110 Auxiliary lane from SR-91 to Torrance Blvd Auxiliary lane & 405/110 Connector	\$1,200,616	\$1,200,616	\$1,020,000	\$0	\$0	\$0	\$0	\$0	\$1,200,616	\$0	PAED Cost
	Design/Construction	Design and Construction Phase	\$51,000,000	\$28,900,000	\$0	\$6,800,000	\$20,600,000	\$700,000	\$600,000	\$200,000	\$51,000,000	\$0	Const Cost
EXECUTED MR312.25	PA/ED	Caltrans PAED I-405 at 182nd St./Crenshaw Boulevard	\$1,700,000	\$0	\$1,599,903	\$0	\$0	\$0	\$0	\$0	\$1,700,000	\$0	PAED Cost
	Design/Construction	Design and Construction Phase	\$87,000,000	\$46,900,000	\$0	\$2,800,000	\$14,300,000	\$10,000,000	\$19,800,000	\$0	\$87,000,000	\$0	Const Cost
COMMITTED MR312.30	Feasibility Study	Caltrans I-405 from I-110 to I-105 and I-105 from I-405 to Crenshaw. Corridor Refinement Studies	\$700,000	\$700,000	\$300,000	\$400,000	\$0	\$0	\$0	\$0	\$14,000,000	\$10,000,000	CT Est
COMMITTED MR312.45	PA/ED	Caltrans PAED Implement an Integrated Corridor Management System along the SR -110 Corridor between Artesia Boulevard and the I-405. The project will integrate freeway, arterial and transit operations, implement a Decision Support System for coordinated agency operations and traveler information systems.	\$1,000,000	\$1,000,000	\$0	\$0	\$500,000	\$500,000	\$0	\$0	\$20,000,000	\$12,400,000	Placeholder Est.
COMMITTED MR312.38	PA/ED	City of Hermosa Beach Pacific Coast Highway at Aviation Blvd Intersection Improvements (Southbound left turn lanes)	\$4,600,000	\$872,000	\$0	\$400,000	\$472,000	\$0	\$0	\$0	\$872,000	\$0	
COMMITTED MR312.31	PA/ED	Metro PA/ED for Florence Ave at La Brea Ave - Construct new Downtown Inglewood Transit Center at La Brea Station of Crenshaw Line	\$1,500,000	\$1,500,000	\$120,000	\$671,250	\$708,750	\$0	\$0	\$0	\$1,500,000	\$0	Total Cost
ACTIVE PROJECTS (Funding Agreements Executed)													
EXECUTED MR312.11	Design/Construction	Caltrans ITS: I-405, I-110, I-105, SR-91 at freeways ramp/arterial signalized intersections - DCCM	\$5,357,000	\$5,357,000	\$5,357,002	\$0	\$0	\$0	\$0	\$0	\$26,785,010	\$11,435,503	Placeholder Est.
EXECUTED MR312.29	Design/Construction	Caltrans Pacific Coast Highway (SR-1) ITS with parallel arterials from I-105 to I-110	\$9,000,000	\$3,975,889	\$3,975,889	\$0	\$0	\$0	\$0	\$0	\$9,000,000	\$0	Total Cost
EXECUTED MR312.37	Design/Construction	City of Carson Sepulveda Boulevard widening from Alameda Street to ICTF Driveway	\$7,500,000	\$2,658,000	\$1,158,000	\$1,500,000	\$0	\$0	\$0	\$0	\$3,566,000	\$0	Total Cost
EXECUTED MR312.33	Design/Construction	City of Hawthorne Aviation Bl at Marine Ave; construct westbound right-turn lane.	\$3,600,000	\$4,343,629	\$1,243,629	\$300,000	\$1,800,000	\$1,000,000	\$0	\$0	\$4,343,629	\$0	Total Cost
COMMITTED MR312.54	Design/Construction	City of Hawthorne Inglewood Ave at El Segundo Bl, Crenshaw Bl at Rocket Road & Crenshaw Bl at Jack Northrop & 120th St from Prairie Ave to Felton Ave - Intersection widening improvements & traffic signal modifications	\$2,000,000	\$2,000,000	\$980,000	\$1,020,000	\$0	\$0	\$0	\$0	\$3,020,000	\$0	Total Cost
EXECUTED MR312.05	Design/Construction	City of Hermosa Beach Pacific Coast Highway (SR-1) between Anita St and Artesia Blvd. Improvements	\$2,200,000	\$2,160,000	\$0	\$199,800	\$500,000	\$1,460,200	\$0	\$0	\$2,200,000	\$0	Total Cost
EXECUTED MR312.12	Design/Construction	City of Inglewood Citywide ITS Phase IV	\$3,500,000	\$3,500,000	\$1,681,470	\$1,840,000	\$0	\$0	\$0	\$0	\$3,521,470	\$0	Total Cost
EXECUTED MR312.43	Design/Construction	City of Lomita Intersection Improvements at Western (SR-213) /Palos Verdes Dr. & Pacific Coast Highway (SR-1)/Walnut	\$900,000	\$900,000	\$877,477	\$0	\$0	\$0	\$0	\$0	\$900,000	\$0	Total Cost
EXECUTED MR312.28	Construction	City of Manhattan Beach Seismic retrofit of Sepulveda Blvd (SR-1) bridge 53-62	\$9,100,000	\$9,100,000	\$2,500,000	\$6,600,000	\$0	\$0	\$0	\$0	\$9,100,000	\$0	Total Cost
EXECUTED MR312.34	Construction	City of Manhattan Beach Aviation Blvd at Artesia Blvd Intersection Improvements (Southbound right turn lane)	\$1,500,000	\$1,500,000	\$544,000	\$956,000	\$0	\$0	\$0	\$0	\$1,500,000	\$0	Total Cost
EXECUTED MR312.35	Construction	City of Manhattan Beach Sepulveda Blvd (SR-1) at Manhattan Beach Blvd Intersection Improvements (NB, WB, EB left turn lanes and SB right turn lane)	\$980,000	\$980,000	\$70,000	\$40,000	\$870,000	\$0	\$0	\$0	\$980,000	\$0	Total Cost
EXECUTED MR312.06	Design/Construction	City of Redondo Beach Pacific Coast Highway (SR-1) Arterial Improvements from Anita St to Palos Verdes Blvd	\$1,393,144	\$1,393,144	\$218,144	\$775,000	\$400,000	\$0	\$0	\$0	\$1,400,000	\$0	Total Cost
EXECUTED MR312.07	Construction	City of Redondo Beach Pacific Coast Highway (SR-1) at Torrance Blvd Intersection Improvements	\$581,454	\$581,454	\$581,454	\$0	\$0	\$0	\$0	\$0	\$585,000	\$0	Total Cost
EXECUTED MR312.08	Design/Construction	City of Redondo Beach Pacific Coast Highway (SR-1) at Palos Verdes Blvd Intersection Improvements	\$320,000	\$320,000	\$301,176	\$0	\$0	\$0	\$0	\$0	\$320,000	\$0	Total Cost
EXECUTED MR312.20	Design/Construction	City of Redondo Beach Aviation Blvd at Artesia Blvd Intersection Improvements	\$821,569	\$821,569	\$546,569	\$275,000	\$0	\$0	\$0	\$0	\$847,000	\$0	Total Cost
EXECUTED MR312.42	Design/Construction	City of Redondo Beach Inglewood Ave at Manhattan Beach Bl; Add SB right-turn lane south of railroad tracks to Manhattan Beach Bl	\$5,169,638	\$5,169,638	\$960,638	\$2,344,000	\$1,125,000	\$740,000	\$0	\$0	\$5,175,000	\$0	Total Cost
EXECUTED MR312.10	Design/Construction	City of Torrance Pacific Coast Highway (SR-1) at Hawthorne Blvd (SR-107) Intersection Improvements	\$19,645,697	\$19,645,697	\$9,045,697	\$7,000,000	\$3,600,000	\$0	\$0	\$0	\$19,645,697	\$0	Total Cost
EXECUTED MR312.23	Design/Construction	City of Torrance Torrance Park and Ride Regional Terminal	\$18,077,368	\$18,077,368	\$11,477,368	\$6,600,000	\$0	\$0	\$0	\$0	\$18,100,000	\$0	Total Cost
EXECUTED MR312.26	Design/Construction	City of Torrance I-405 at 182nd St. /Crenshaw Blvd. operational improvements	\$15,843,312	\$15,843,312	\$5,605,312	\$460,000	\$1,700,000	\$0	\$8,078,000	\$0	\$15,843,312	\$0	Total Cost
EXECUTED MR312.40	Design/Construction	City of Torrance Pacific Coast Highway (SR-1) at Vista Montana/Anza Ave Intersection Improvement	\$2,917,664	\$2,917,664	\$443,664	\$320,000	\$2,154,000	\$0	\$0	\$0	\$2,917,664	\$0	Total Cost
EXECUTED MR312.58	Design/Construction	City of Torrance Pacific Coast Highway (SR-1) from Calle Mayor to Janet Ln. safety improvement.	\$852,000	\$852,000	\$852,000	\$0	\$0	\$0	\$0	\$0	\$852,000	\$0	Total Cost
EXECUTED MR312.59	Design/Construction	City of Torrance PCH at Madison Ave- Signal Upgrades to provide left-turn phasing	\$500,000	\$500,000	\$90,019	\$400,000	\$0	\$0	\$0	\$0	\$500,000	\$0	Total Cost
EXECUTED MR312.60	Design/Construction	City of Torrance Crenshaw Blvd. from Del Amo to Dominguez; three Southbound turn lanes at 1) Del Amo Blvd; 2) extension of 208th St; 3) Transit Center Entrance. Signal Improvements at two existing and new signal at Transit Center and extension of 208th St.	\$3,300,000	\$3,300,000	\$44,135	\$1,755,000	\$0	\$400,000	\$1,100,000	\$0	\$3,300,000	\$0	Total Cost

		Updated: 11/07/2016				Future Years					Total Project Est. Cost		
Metro Project ID FA Type	Phase	Lead Agency / Description	Total Phase Cost	Measure R Share FY11-22	Est. Reimbursement as of 6/30/17	17-18 TOTAL	18-19 TOTAL	19-20 TOTAL	20-21 TOTAL	21-22 TOTAL	Total Project Est. Cost (All Phases and Sources)	Estimated Measure R Cost Past 2022	Total Cost Est. Source
COMMITTED PROJECTS (Funding Agreements to be Executed)													
COMMITTED MR312.41	Design/ Construction	City of Carson Traffic Signal upgrades at 10 intersections: Figueroa St. at Victoria St., Main St. at 220th St., Main St. at Victoria St., Main St. at Albertoni St., Figueroa St. at 223rd St., Broadway at Victoria St., Albertoni St., Gardena Blvd., Alondra Blvd. and a midblock crossing south of Albertoni Blvd.	\$1,400,000	\$1,400,000		\$140,000	\$1,000,000	\$260,000	\$0	\$0	\$1,400,000	\$0	Total Cost
COMMITTED MR312.46	Design/ Construction	City of Carson Figueroa St. at 234th St. - Upgrade the traffic signal equipment to modernize the controller and signal lights	\$150,000	\$150,000		\$150,000	\$0	\$0	\$0	\$0	\$150,000	\$0	Total Cost
COMMITTED MR312.57	Design/ Construction	City of El Segundo Park Place from Nash St. to Allied Way, Roadway extension and railroad grade separation	\$54,000,000	\$35,000,000		\$6,250,000	\$13,100,000	\$18,000,000	\$0	\$0	\$54,000,000	\$0	From Lead Agency
COMMITTED MR312.02	Design/ Construction	City of Gardena Rosecrans Ave at Vermont Ave & Redondo Beach Bl at Vermont Ave - Traffic Signal upgrades and synchronization, add turn pockets, traffic channelization.	\$1,500,000	\$1,500,000		\$96,000	\$938,000	\$466,000	\$0	\$0	\$1,500,000	\$0	Total Cost
COMMITTED MR312.09	Design/ Construction	City of Gardena Artesia Bl from Western Ave to Vermont Ave - Arterial Improvements, traffic signal upgrades and synchronization, add turn pockets, traffic channelization.	\$2,654,000	\$2,523,200		\$190,000	\$1,550,000	\$783,000	\$0	\$0	\$2,654,000	\$0	Total Cost
COMMITTED MR312.61	Design/ Construction	City of Hawthorne Hawthorne Bl from 120th St to 111th St - Arterial Improvements	\$5,000,000	\$4,400,000	\$1,100,000	\$3,300,000	\$0	\$0	\$0	\$0	\$5,000,000	\$0	Total Cost
COMMITTED MR312.47	Construction	City of Hawthorne Prairie Ave from 118th St to Marine Ave - Signal Improvements	\$1,237,000	\$1,237,000	\$204,114	\$816,456	\$0	\$0	\$0	\$0	\$1,237,000	\$0	Total Cost
COMMITTED MR312.63	Design	City of Hermosa Beach PAVED Aviation Bl from PCH to Prospect Ave - Arterial Improvements.	\$1,800,000	\$1,800,000		\$900,000	\$900,000	\$0	\$0	\$0	\$1,800,000	\$0	Total Cost
COMMITTED MR312.50	Construction	City of Inglewood Citywide ITS Phase V - Communication gap closure on various locations, TS upgrade and arterial detection	\$384,000	\$384,000		\$151,000	\$233,000	\$0	\$0	\$0	\$384,000	\$0	Total Cost
COMMITTED MR312.53	Construction	City of Lawndale Redondo Beach Blvd. Mobility Improvements from Prairie to Artesia (PSRE) at I-405, from Hawthorne Bl. to Prairie Ave - PS&E / ROW Acquisition; Signal upgrades, concrete pads for transit, ADA ramps	\$1,039,262	\$1,039,262		\$519,632	\$519,632	\$0	\$0	\$0	\$1,039,262	\$0	Total Cost
COMMITTED MR312.51	Construction	City of Los Angeles Anaheim St from Farragut Ave to Dominguez Channel- Widen from 78' to 84' and restripe to accommodate an additional lane in each direction	\$3,141,450	\$1,313,041	\$262,608	\$1,050,433	\$0	\$0	\$0	\$0	\$6,565,203	\$0	Total Cost
COMMITTED MR312.52	Construction	Los Angeles County 2013 CFP South Bay Forum systemwide operational improvements, coordination and timing, and ITS improvements	\$1,021,000	\$1,021,000		\$0	\$53,000	\$203,000	\$764,681	\$180,681	\$1,021,000	\$0	Total Cost
COMMITTED MR312.62	Design/ Construction	City of Manhattan Beach Sepulveda Bl at Rosecrans Ave, 33rd St, Cedar Ave, 14th St & 2nd St - Operational Improvements.	\$900,000	\$900,000	\$10,000	\$45,000	\$35,000	\$0	\$0	\$0	\$900,000	\$0	Total Cost
COMMITTED PROJECT MR312.##	PD/E&A and PS&E	City of Torrance Pacific Coast Highway (SR-1) and Crenshaw Ave Preliminary Design, EIR and P.S.&E. for operational improvements	\$1,300,000	\$1,300,000		\$0	\$100,000	\$400,000	\$800,000	\$0	\$6,500,000	\$0	Placeholder Est.
COMMITTED PROJECT MR312.##	PS&E	City of Torrance Hawthorne Bl (SR-107) at: 182nd Street, Spencer Street, Emerald Street, and Lomita Blvd. P.S.&E for roadway widening to construct new northbound right turn lanes	\$810,000	\$810,000		\$40,000	\$120,000	\$650,000	\$0	\$0	\$4,050,000	\$0	Placeholder Est.
NEW REQUEST FOR PROJECTS													
Requested	Design/ Construction	City of Carson I-110 Freeway Arterial Signal Improvements	\$3,520,000	\$1,760,000		\$265,000	\$1,000,000	\$495,000	\$0	\$0	\$3,520,000	\$0	Total Cost
Requested	Design/ Construction	City of Inglewood Prairie Avenue Signal Synchronization	\$205,000	\$205,000		\$165,000	\$40,000	\$0	\$0	\$0	\$250,000	\$0	Total Cost
Requested	Design/ Construction	City of Lawndale Left-Turn traffic signal improvements at Manhattan Beach Blvd and Hawthorne Blvd, and installation of traffic signal battery back-up systems	\$507,799	\$507,799		\$474,709	\$33,090	\$0	\$0	\$0	\$507,799	\$0	Total Cost
Requested	ROW/Design/Construction	City of Los Angeles Alameda St widening project from Anaheim St to 300ft South of PCH (Alameda North)	\$8,421,550	\$7,137,235		\$1,688,812	\$3,465,667	\$1,982,757	\$0	\$0	\$8,421,550	\$0	Total Cost
Requested	ROW/Design/Construction	City of Los Angeles Alameda St widening project from Anaheim St to Harry Bridges Blvd (Alameda South)	\$28,587,528	\$17,481,330		\$3,581,087	\$7,334,211	\$6,566,033	\$0	\$5,073,560	\$28,587,528	\$0	Total Cost
Requested	Design/ Construction	City of Los Angeles (Port of LA) SR-47/Vincent Thomas Bridge and Front St/Harbor Blvd Interchange Reconfiguration	\$28,000,000	\$17,400,000		\$600,000	\$1,400,000	\$1,600,000	\$7,800,000	\$4,750,000	\$28,000,000	\$0	Total Cost
Requested	Design/ Construction	County of Los Angeles South Bay Arterial System Decton (portion)	\$2,000,000	\$2,000,000		\$40,000	\$1,960,000	\$0	\$0	\$0	\$2,000,000	\$0	Total Cost
Requested	Corridor Plan	SBCCOG Creation of a plan to integrate slow speed and autonomous vehicle corridors into the South Bay Highway Program state highway and arterial networks	\$35,000	\$35,000		\$35,000	\$0	\$0	\$0	\$0	\$35,000	\$0	Total Cost
Requested	Strategic Plan	SBCCOG Development of a South Bay Signal Forum Strategic Plan to guide South Bay interagency ITS project development and administrative strategies	\$25,000	\$25,000		\$25,000	\$0	\$0	\$0	\$0	\$25,000	\$0	Total Cost

		Updated: 11/07/2016				Future Years					Total Project Est. Cost		
Metro Project ID FA Type	Phase	Lead Agency / Description	Total Phase Cost	Measure R Share FY11-22	Est. Reimbursement as of 6/30/17	17-18 TOTAL	18-19 TOTAL	19-20 TOTAL	20-21 TOTAL	21-22 TOTAL	Total Project Est. Cost (All Phases and Sources)	Estimated Measure R Cost Past 2022	Total Cost Est. Source
COMPLETED FEASIBILITY/PLANNING STUDIES													
Completed TO 2014-3 A-F	Feasibility Study	City of Gardena Feasibility Studies for 2015 Metro CFP	\$42,632	\$42,632	\$42,632	\$0	\$0	\$0	\$0	\$0	\$852,640	\$810,008	Placeholder Est.
Completed SBHP TO 9.5	Feasibility Study	City of Gardena PSRE for three park and ride facilities	\$11,920	\$11,920	\$11,920	\$0	\$0	\$0	\$0	\$0	\$238,400	\$226,480	Placeholder Est.
Completed SBHP TO 9.2	Feasibility Study	City of Hawthorne PSRE for Signal and associated improvements on Prairie Ave from 118th St. to Marine Ave.	\$32,643	\$32,643	\$32,643	\$0	\$0	\$0	\$0	\$0	\$652,860	\$620,217	Placeholder Est.
Completed SBPH TO 2014-5	Feasibility Study	City of Hermosa Beach PSR for Pacific Coast Highway (SR-1) / Aviation Blvd. Mobility Improvements Project	\$190,000	\$190,000	\$190,000	\$0	\$0	\$0	\$0	\$0	\$3,800,000	\$3,250,000	Placeholder Est.
Completed SBPH TO 9.3	Feasibility Study	City of Inglewood PSRE for geometric improvements on La Cienega Blvd and Manchester Blvd.	\$31,664	\$31,664	\$31,664	\$0	\$0	\$0	\$0	\$0	\$3,166,400	\$2,901,456	Placeholder Est.
Completed SBHP TO 9.4	Feasibility Study	City of Inglewood PSRE for Phase V of Inglewood's ITS Upgrades	\$24,434	\$24,434	\$24,434	\$0	\$0	\$0	\$0	\$0	\$24,434	\$0	Construction Cost Separate
Completed SBHP TO 2014-4	Feasibility Study	City of Inglewood PSR for Manchester/La Cienega Bundled Projects: channelize and raise median Manchester Boulevard from Ash Avenue to La Cienega Boulevard, improve turn radii La Cienega Boulevard at Manchester Boulevard, improve turn radii and through-right lane La Cienega Boulevard at Florence Avenue	\$23,625	\$23,625	\$23,625	\$0	\$0	\$0	\$0	\$0	\$2,362,500	\$2,266,375	Placeholder Est.
Completed SBHP TO 2014-6	Feasibility Study	City of Lawndale PSRE for Redondo Beach Blvd. Mobility Improvements from Prairie Ave. to Artesia Blvd. at I-405, from Hawthorne Bl. to Prairie Ave. Signal upgrades, concrete pads for transit, ADA ramps	\$47,360	\$47,360	\$47,360	\$0	\$0	\$0	\$0	\$0	\$4,736,000	\$4,141,440	Placeholder Est.
Completed SBHP TO 2014-7	Feasibility Study	City of Manhattan Beach PSR for 7 intersections along Sepulveda Blvd (SR-1) corridor that were identified in the 2009 PCH Study conducted by SCAG and the SBCCOG: at Rosecrans., Marine Ave. / Cedar Ave., Valley Dr., 33rd St., 30th St., 14th St., and 2nd St.	\$43,043	\$43,043	\$43,043	\$0	\$0	\$0	\$0	\$0	\$4,304,300	\$3,800,397	Placeholder Est.
Completed Feas Study	Feasibility Study	Metro South Bay Baseline Arterial Performance Monitoring Implementation Study	\$250,000	\$250,000	\$250,000	\$0	\$0	\$0	\$0	\$0	\$250,000	\$0	Complete
Completed SBHP TO 9.1	Feasibility Study	City of Torrance PSRE for additional turn lanes on Western Ave. (SR-213) at Sepulveda Blvd.	\$37,921	\$37,921	\$37,921	\$0	\$0	\$0	\$0	\$0	\$1,896,050	\$1,858,129	Placeholder Est.
Completed SBHP TO 2014-2A	Feasibility Study	City of Torrance Western Ave (SR-213) at Sepulveda Blvd Intersection Improvements	\$80,000	\$80,000	\$80,000	\$0	\$0	\$0	\$0	\$0	\$4,000,000	\$3,520,000	Placeholder Est.
Completed SBHP TO 2014-2B	Feasibility Study	City of Torrance PSR for Hawthorne Blvd. (SR-107) Corridor Improvements at Lomita Blvd, Emerald, Spencer, and 182nd Streets	\$70,000	\$70,000	\$70,000	\$0	\$0	\$0	\$0	\$0	\$3,500,000	\$3,130,000	Placeholder Est.
Completed MR312.56	PA/ED	City of Los Angeles Review of Feas. Study on Del Amo Blvd from Western Ave to Vermont Ave.	\$100,000	\$100,000	\$100,000	\$0	\$0	\$0	\$0	\$0	\$3,000,000	\$2,700,000	Placeholder Est.
Completed MR312.16	PA/ED	Los Angeles County Del Amo Boulevard from Normandie Boulevard to Vermont Ave	\$400,000	\$400,000	\$400,000	\$0	\$0	\$0	\$0	\$0	\$26,000,000	\$20,800,000	Placeholder Est.
COMPLETED PROJECTS													
Completed MR312.22 D, C	Construction	City of El Segundo Maple Ave Arterial Improvements from Sepulveda Blvd to Parkview Ave	\$2,500,000	\$2,500,000	\$2,157,575	\$0	\$0	\$0	\$0	\$0	\$2,157,575	\$0	Final Cost
EXECUTED MR312.17	Design/ Construction	City of Gardena Rosecrans Ave Arterial Improvements From Vermont Ave to Crenshaw Blvd.	\$5,140,000	\$5,140,000	\$4,966,988	\$0	\$0	\$0	\$0	\$0	\$5,140,000	\$0	Total Cost
Completed MR312.19 PD, D, C	Construction	City of Gardena Artesia Blvd at Western Ave Intersection Improvements (WB Left Turn Lanes)	\$600,000	\$600,000	\$431,825	\$0	\$0	\$0	\$0	\$0	\$431,825	\$0	Final Cost
Completed MR312.21	Construction	City of Gardena Vermont Arterial Improvement From Rosecrans Ave to 182nd Street	\$2,350,000	\$2,350,000	\$2,090,342	\$0	\$0	\$0	\$0	\$0	\$2,090,342	\$0	Final Cost
Completed MR312.03	Construction	City of Hawthorne Rosecrans Ave Arterial Improvements from I-405 SB Off-Ramp to Isis Ave	\$2,100,000	\$2,100,000	\$2,100,000	\$0	\$0	\$0	\$0	\$0	\$2,100,000	\$0	Final Cost
Completed MR312.44	Construction	City of Hawthorne Hawthorne Blvd From El Segundo Blvd. to Rosecrans Ave	\$7,551,000	\$7,551,000	\$7,551,000	\$0	\$0	\$0	\$0	\$0	\$7,551,000	\$0	Final Cost
Completed MR312.13	Construction	City of Redondo Beach Aviation Blvd at Artesia Blvd Intersection Imp.	\$22,000	\$22,000	\$19,281	\$0	\$0	\$0	\$0	\$0	\$19,281	\$0	Final Cost
Completed MR312.14	Construction	City of Redondo Beach Inglewood Ave at Manhattan Beach Blvd Intersection Improvements	\$30,000	\$30,000	\$27,122	\$0	\$0	\$0	\$0	\$0	\$27,122	\$0	Final Cost
Completed MR312.18	Construction	City of Torrance Maple Ave at Sepulveda Blvd. Intersection Improvements	\$540,000	\$540,000	\$319,869	\$0	\$0	\$0	\$0	\$0	\$319,869	\$0	Final Cost
Completed MR312.36	Construction	City of Lawndale Traffic Signal Improvements Citywide	\$1,500,000	\$878,945	\$878,945	\$0	\$0	\$0	\$0	\$0	\$878,945	\$0	Total Cost
Completed MR312.04	Construction	City of Manhattan Beach Sepulveda Blvd at Marine Ave (WB Left Turn Lane)	\$365,000	\$365,000	\$346,469	\$0	\$0	\$0	\$0	\$0	\$365,000	\$0	Final Cost
TOTALS			\$439,104,446	\$317,183,187	\$78,792,356	\$64,288,703	\$82,829,110	\$46,582,229	\$39,267,661	\$10,558,217	\$566,250,998	\$93,401,568	