

# **SOUTH BAY CITIES COUNCIL OF GOVERNMENTS**

## **INFRASTRUCTURE WORKING GROUP LUNCH MEETING**

**Wednesday, August 20, 2014 from 11:30 A.M. – 1:30 P.M.**

**LOCATION:** Blue Water Grill, 665 North Harbor Drive, Redondo Beach 90277  
For map of location go to: [www.bluewatergrill.com](http://www.bluewatergrill.com)

There is no charge for attending the meeting. An optional lunch including soft drinks, coffee, and tip, is available at a cost of **\$25.00** per person and must be paid in cash; **no credit cards**. Payment will be collected during the meeting. Lunch selection will be available at the meeting.

To ensure seating for everyone, please RSVP your attendance and whether you will be purchasing lunch by **close of business, Monday, August 18, 2014, to Marcy Hiratzka at: [Marcy@southbaycities.org](mailto:Marcy@southbaycities.org)**

### **IWG SOCIAL & ORDER LUNCH - 11:30 A.M. to Noon**

### **MEETING – 12:00 P. M. to 1:30 P. M.**

**12:00 p.m. Self-Introductions & Approval of the July 16, 2014 Meeting Notes (Attachment A)**

**12:05 p.m. Agency & Other Reports**

- **SBCCOG** – Program update – Steve Lantz, SBCCOG
- **SOUTH BAY TRAFFIC FORUM, LA County DPW** – Status – Jane White
- **Caltrans** – Update
- **Metro** - Monthly / Quarterly Project Progress Reports Submittal Update, Board Update, Measure X Update
- **Metro TAC & Streets and Freeway Subcommittee** – Update – Rob Beste

**12:25 p.m. Measure R Updates – Steve Lantz**

- **SBHP Project Deobligation Update**
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- **Metro 2015 CFP Technical Assistance Funding Agreements** (Attachment B with Exhibit 1)
- **South Bay Arterial Baseline Performance Analysis ITS Study** (Attachment C with Exhibit 1 & 2)
- **SBHP Metro CFP Schedule** (Attachment D)
- **SBHP Consultant Quarterly Activity Report** (Attachment E)
- **Three-Month Look Ahead** (Attachment F)
- **2015 Metro Budget Request for SBHP Project Additions, Deletions, Schedule / Scope/ Budget Changes DUE September 15, 2014** (Attachment G)

**12:40 p.m. Metro Mobility Matrix Update – Steve Lantz**

**12:55 p.m. USDOT– I TSCA Connected Vehicle Workshop (Attachment H)**

**1:25 p.m. Announcements / Adjournment - Next IWG meeting September 17, 2014. If you want to include an item in the agenda, please send e-mail to: [Marcy@southbaycities.org](mailto:Marcy@southbaycities.org) by September 9, 2014.**

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# South Bay Cities Council of Governments Infrastructure Working Group July 16 2014 – Meeting Notes

## Attachment A

**Attendees:** Rob Beste (Torrance); Frank Bigdeli (Gardena); Akbar Farohki & Alan Leung (Hawthorne); Nasser Abbaszadeh & Miguel Alvarez (Lawndale); Ed Kao (Manhattan Beach); Elaine Jeng (Redondo Beach); Craig Bilezerian & Ted Semaan (Torrance); Yunus Ghausi, Sameer Haddadeen, Mary Payyappilly & Nancy Pe (Caltrans); Greg Kelly, Pamela Manning, Andres Narvaez & Van Truong (LA County DPW); Isidro Panuco (Metro); Marcy Hiratzka, Lena Luna, Amanda Maki & Steve Lantz (SBCCOG); Steve Forster (APA Engineering); Dan Freeman (Athalye Consulting Engineering Services); Irene Lee Wyatt & Alex Zupanski (FPL & Assoc); Danielle Buzas (GPA Consulting); Tapas Dutta (Harris & Assoc); Alan Clelland & Sandra Lennin (Iteris); Kamran Saber (JMDiaz); Frank Hoffmann (Kimley-Horn); Sherif Morcos (Morcos Group); Tracy Bartlett (Nichols Consulting Engineers); Marc Porter (Parsons Brinckerhoff); Jeff Cooper (Penco Engineering); Anissa Voyiatzes (Psomas), Ty Carter (Siemens)

Chair Beste called the meeting to order at 12:04 pm.

I. **Self-Introductions and Approval of June 18, 2014 Minutes** (Attachment A) – Minutes were approved as presented.

II. **Agencies & Other Reports-**

- **SBCCOG** – Program update – Steve Lantz announced that the SBCCOG is beginning a three-year effort with the South Bay Cities with the Strategic Growth Council grant funds that were recently awarded to the SBCCOG; Carson and Lawndale received their Enterprise Energy Management Information System (EEMIS) saving reports; Jacki Bacharach has been giving SBCCOG Overview presentations to South Bay City Councils; the SBCCOG has arranged for a private tour of the SpaceX facility for elected officials and city staff scheduled for August 20; Barry Wallerstein of AQMD will be speaking at the July 24 SBCCOG Board meeting on the 2016 Air Quality Management Plan, and there will be a 4:00pm SBCCOG primer on regional agencies on the same day for new city council members.
- **SOUTH BAY TRAFFIC FORUM, LA County DPW** – Status – Andres Narvaez distributed the July 2014 South Bay Traffic Forum Status Report. Highlights included: the cooperative agreement and resolution for the City of Gardena’s Traffic Management Center; the construction documents for advertising the South Bay Fiber Interconnect are scheduled to be considered by the L. A. County Board of Supervisors on August 12; Metro recommended that the County be awarded an ExpressLanes Net Toll Revenue Reinvestment Grant for a South Bay Arterial Performance Measurement project, which will deploy vehicle detection systems on major arterials that are parallel to the I-110 freeway.
- **Caltrans** – Nancy Pe reported that the PAED on the I-110 auxiliary lane from SR-91 to Torrance Blvd (MR312.24) is still on schedule, and Metro gave an additional \$8 million+ in order to incorporate Alternative 2. The PAED on the I-405 at 182<sup>nd</sup> St/Crenshaw Blvd (MR312.25) is on schedule as well. Caltrans is seeking approval for ITS improvements on PCH as well. Yunus Ghausi, of Caltrans Operations, expressed concerns about safety and operations at PCH/Aviation Blvd. This affects existing Hermosa Beach project MR312.05, which Steve Lantz would like to present as a project spotlight at a future IWG meeting.
- **Metro** - Isidro Panuco reported that lead agencies may set their own baseline for projects with pre-approved funds. The 14-15 Fiscal Year began two weeks ago and the semi-annual Metro Budget Request Update needs to be prepared for the SBCCOG Board’s consideration in the fall. Aziz Elattar and Gregg Magaziner, both formerly with Caltrans District 7, have hired as Metro’s new Executive Officers of Metro Highway Programs.
- **Metro TAC & Streets and Freeway Subcommittee** – Update – Chair Beste reported that, on July 2, the Metro TAC discussed Metro’s 2014 Short Range Transportation Plan, which will be considered for adoption by the Metro Board on July 24. Upon Board adoption of the Plan, a Final Plan will be prepared and will be available for public distribution in September. Individual projects will return to the Board for further action at key milestones in the planning, environmental, and project development process. Also discussed at the July 2 TAC meeting was a potential 2016 sales tax initiative. Working groups to develop the tax initiative will be created by Metro. Chair Beste will take part in the selection of the consultant for the South Bay’s Sub-Regional Mobility Matrix. Chair Beste also reported that the TAC has been discussing Metro’s Complete Streets policy update and suggested that the IWG be given a presentation, as this may affect 2015 Call for Project application scores. The TAC will be dark for the month of August.
- **Metro Streets & Freeways Subcommittee** - Reporting on the June 19 Streets & Freeways Subcommittee, Elaine Jeng said that one of the items discussed was “hot spot” intersections on the I-605. Metro had conducted a feasibility study that identified 40 intersections for improvements, west of the I-605 and north of the I-105 (bundled into three packages; the Whittier package, consisting of three intersections, La Mirada/Cerritos package consisting of four intersections and the Long Beach/Bellflower package consisting of three intersections.) Metro released RFPs for the environmental and preliminary engineering services to address these projects, which will be funded through Measure R funds (it was unclear whether these projects were funded with Gateway Council of Governments sub-regional funds or Metro regional funds. Ms. Jeng commented that funding these analyses with regional funding may be unfair to

other sub-regions and that she will inquire as to the source of the funding and whether or not this funding for these improvements is meant to be ongoing.

III. **Measure R Updates** – Steve Lantz made the following reports:

- **SBHP Technical Consultant Bench Use / SBHP Funding Process (Attachment B) / List of Projects to be Funded (Exhibit B-1) / Sample SBHP / Metro 2015 CFP Assistance Agreement (Exhibit B-2)** – Six cities have requested SBHP funding for technical assistance and/or local matching funds required for their 2015 Metro Call for Projects applications. Several of these cities have requested the SBCCOG’s assistance for multiple projects. The five cities that requested technical assistance may or may not be sending Task Order RFPs to the SBCCOG’s Technical Services Consulting Bench; they may use a consultant of their own choosing instead.
- **SBHP Project Deferral / SBHP Funding Deobligation / SBHP Funds for 2015 Metro CFP Applications (Attachment C) / Draft Project Deferral / Funding Deobligation Spreadsheet (Exhibit C-1)** – There are nine projects being considered for deobligation and deferral (almost \$37 million total; \$31 million is due to Funding Agreements between lead agencies and Metro that are past due for execution.) The SBCCOG and Metro are concerned about the lack of cashflow and progress that these nine projects have made. If a lead agency is moving a project beyond the expiration date in their current funding agreement, the Funding Agreement may need to be amended. If a project is moved out but stays within the original Funding Agreement’s completion deadline, no amendment is needed. Lead Agencies on this list are required to submit their deliverables by the respective dates of July 23 and/or Aug 15 in order to avoid project deobligation. Lead agencies that have project funding allocated for FY14-15 have until next June to execute their Funding Agreements. Once the SBCCOG Board recommends final project deobligation to Metro, it is not yet known how Metro will proceed. Metro is currently exploring different options of what to do (suspend or terminate funds.)
- **Three-Month Look Ahead (Attachment D)** – On July 24, the SBCCOG Board will consider SBHP project deobligations, recommended by SBCCOG staff. The next SBHP Implementation Plan update, which occurs every two years, is approaching, and any suggestions regarding SBHP oversight are welcome.

IV. **Project Spotlight: New Pavement Rehabilitation Materials** – As the result of last month’s presentation on LA County’s solid waste management strategies in response to the increasing generation of waste, a request was made to have a presentation on the County’s Sustainable Pavement Approach. Van Truong and Greg Kelley explained how the County assesses the condition of pavement in unincorporated areas and predicts pavement performance over time. The County maintains the roads that are in good condition first, uses recycled materials in pavement treatments, and reutilizes existing material in-place. They explained several methods of pavement preservation, reclamation, and treatment. Benefits of using in-place materials include: reduction in GNG emissions, reduction in construction truck traffic and impacts to the public, cost savings of up to 50% compared to traditional methods. Specific examples throughout the county were cited.

V. **Announcements / Adjournment** - Chair Beste adjourned the meeting at 1:14pm until August 20, 2014. Those who wish to include an item in the agenda must e-mail [Marcy@southbaycities.org](mailto:Marcy@southbaycities.org) by August 12, 2014.

South Bay Cities Council of Government

August 12, 2014

TO: SBCCOG Infrastructure Working Group

FROM: Steve Lantz, Transportation Manager

SUBJECT: Measure R South Bay Highway Program (SBHP) Technical Assistance Funding Agreements for Metro 2015 Call for Projects Applications

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.

BACKGROUND

Local South Bay agencies are beginning preparation of project applications for Metro's 2015 Call for Projects. Metro requires Call for Projects (CFP) funding applications in some CFP categories to include a formal Project Study Report (PSR) if a project is on a state highway or a Project Study Equivalent (PSRE) if the project is on a city street. Because Caltrans typically requires 60 days to approve a PSR, the draft document must be submitted by the lead agency to Caltrans by October 31, 2014 to meet the January submittal deadline for Metro's 2015 CFP.

The SBCCOG has offered to provide SBHP funding assistance to interested local agencies that are preparing applications. Lead agencies are procuring and will manage consultant resources needed to complete the technical sections of their CFP applications. SBCCOG will reimburse the lead agencies for SBHP-eligible costs. The lead agencies were asked to request SBCCOG funding assistance for preparation of the applications and for the Metro-required local minimum matching funds by June 30, 2014. Exhibit 1 includes the final list of funding requests.

SBCCOG distributed a sample funding agreement in early July. Lead agencies are reviewing the sample agreement with their legal counsel and have been asked to submit final agreements to SBCCOG during August. At the July 24, 2014 meeting, the SBCCOG Board approved delegation of authority to approve execution of CFP-related funding agreements during August 2014 to the Measure R Oversight Committee or the Steering Committee.

Consistent with the delegation of authority approved by the SBCCOG Board on July 24, 2014, the Measure R Oversight Committee approve all Call for Projects technical support funding agreements submitted by lead agencies to SBCCOG staff by close of business on August 3, 2014. A funding agreement with Manhattan Beach was approved by the Steering Committee contingent on the city executing the agreement prior to the SBCCOG. The funding with the city of Torrance will be considered by the SBCCOG Board of Directors at its August 28, 2014 meeting. It is expected that no subsequent funding agreements will be considered since there would be insufficient time to prepare the PSR prior to the October 31 Caltrans submittal deadline.

RECOMMENDATION

The Infrastructure Working Group may receive and file this report.

**Reviewed and approved by Jacki Bacharach**

## SBHP Funding Requests for 2015 Metro Call for Projects Application Technical Assistance and Local Matching funds

PROJECT	Technical Assistance Requested to prepare CFP App.	Minimum Local Match Requested	Local match funds required in Metro CFP	CFP Category	Estimated Total Project Cost	Funding Agreement Executed for Tech. Support
<b>EL SEGUNDO</b>						
Park Place Extension		✓	35%	RSTI	\$45 mill	N/A
<b>GARDENA</b>						
Redondo Beach Blvd Arterial Improvements from Crenshaw Blvd to Vermont Ave	✓	✓	35%	RSTI	\$3.6 mill	8/6/2014
Crenshaw Blvd Arterial Improvements from Redondo Beach Blvd to El Segundo Blvd	✓	✓	35%	RSTI	\$1.926 mill	8/6/2014
Artesia Blvd Arterial Improvements from Western Ave to Vermont Ave	✓	✓	35%	RSTI	\$3.119 mill	8/6/2014
Normandie Ave Arterial Improvements from El Segundo Blvd to 177th Street	✓	✓	35%	RSTI	\$5.993 mill	8/6/2014
Traffic Signal Reconstruction on Vermont at Redondo Beach Blvd and at Rosecrans Ave	✓	✓	35%	RSTI	\$1.793 mill	8/6/2014
Park and Ride Lots" (Southwest corners of El Segundo Blvd at Vermont Ave and at Western Ave)	✓	✓	20%	TRANSIT CAPITAL IMPRVMENTS	\$3.513 mill	8/6/2014
<b>HERMOSA BEACH</b>						
<del>PCH/Aviation Mobility Improvements Project (on PCH from Artesia Blvd to Herondo Street and on Aviation Blvd from PCH and Prospect Ave)</del>	<del>✓</del>	<del>✓</del>	20%	RSTI	\$26 mill	8/6/2014
<b>LAWDALE</b>						
Redondo Beach Blvd. Mobility Improvements from Prairie to Artesia	✓	✓	city requested about 13%	RSTI	\$5.832 mill	8/6/2014 contingent on City Council's approval on 8/18
<b>MANHATTAN BEACH</b>						
A single application and PSR for 7 intersections along Sepulveda Blvd corridor that were identified in the 2009 PCH Study conducted by SCAG and the SBCCOG (in order of priority): Sepulveda at Rosecrans Ave., Marine Ave. / Cedar Ave., Valley Dr., 33rd St., 30th St., 14th St., and 2nd St.	✓	✓	35%	RSTI	tbd in PSR	City Council approved 8/13; will be executed by 8/15
<b>TORRANCE</b>						
Western Ave at Sepulveda Blvd Intersection Improvements	✓	✓	35%	RSTI	\$6.898 mill	Date TBD
<i>Same project but different funding alternative: To increase the application's ranking, the design of these two project can be separately funded through Measure R SBHP (approx. \$880K for Hawthorne Corridor and \$1,840 K for western/ Sepulveda) and then the following estimate is based on applying for ONLY construction for the Hawthorne Corridor project and ONLY construction and ROW for the Sepulveda/Western project.</i>	✓	✓	35%		\$5.058 mill	
Hawthorne Blvd Corridor Improvements (intersections of Lomita Blvd, Emerald, Spencer, and 182nd Streets)	✓	✓	35%		\$3.480 mill	Date TBD
<i>Same project but different funding alternative: To increase the application's ranking, the design of these two project can be separately funded through Measure R SBHP (approx. \$880K for Hawthorne Corridor and \$1,840 K for western/ Sepulveda) and then the following estimate is based on applying for ONLY construction for the Hawthorne Corridor project and ONLY construction and ROW for the Sepulveda/Western project.</i>	✓	✓	35%		\$2.6 mill	

NOTE: Estimated total project costs are initial estimates that will be modified following preparation of the PSR / PSRE. Project costs may have to be reduced to stay within the funding cap in the Metro CFP category or to reflect the actual Metro funding award amount. SBHP matching funds will be determined once CFP projects are awarded and will not exceed the minimum required local match for the Metro funding awarded. A funding agreement for technical assistance in the preparation of a CFP application will be executed between the lead agency and SBCCOG once the lead agency selects its PSR / PSRE consultant and confirms the cost of the services as determined by the lead agency's procurement process.

South Bay Cities Council of Government

August 12, 2014

TO: SBCCOG Infrastructure Working Group

FROM: Steve Lantz, Transportation Manager

SUBJECT: Metro Measure R South Bay Highway Program (SBHP) Arterial Baseline  
Performance Analysis Intelligent Transportation System (ITS) Study

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.

BACKGROUND

Measure R requires SBHP projects to demonstrate a nexus to operational improvement of the South Bay Freeway and State Highway network. Projects that are allocated Measure R SBHP funding must be on the South Bay freeways and state highways or on arterial corridors that serve or provide useful alternatives to the freeways / state highways. To provide guidance on how these funds should be invested, the SBCCOG developed a Strategic Transportation Element (STE) for the SBHP. The STE identified the need to create a performance database and a performance evaluation methodology for South Bay arterials comparable to the information that Caltrans currently maintains on its freeway and state highway network. During the performance measurement assessment phase of the STE development, it was determined that although the necessary data to support these measures for the freeways in the South Bay are already available, either through the Caltrans' Performance Measurement System (PEMS), or through other existing sources, no similar methodology or database exists for the South Bay arterials.

The SBCCOG Board and the Los Angeles County Metropolitan Transportation Authority (Metro) previously approved allocation of \$7 million in Measure R SBHP funding to develop and implement the STE as an element of the South Bay Intelligent Transportation System (SB ITS) Plan in the South Bay Highway Program (SBHP project #312.31) beginning in FY 13-14 with the SBCCOG as lead agency. Since the SBCCOG is not typically a project lead agency, the SBCCOG was identified as lead agency as a place holder with the understanding among participating agencies that the SBCCOG would not lead the project implementation, but would transition the lead agency role to another willing lead agency once a project scope, schedule and budget were determined and before the project was initiated.

The decision to combine the STE and ITS Plan envisioned a state-of-the-art Highway Management System (HMS) capable of gathering traffic system performance data using the same technology suite that would be used for real-time adaptive management of an integrated automated South Bay traffic control system and motorist communications network. However, several local agencies expressed concern with the complexity of the ambitious ITS Plan, questioned the benefits to be derived from an active traffic management system in the South Bay,

and were concerned about ongoing operating and maintenance costs that would be borne by the local agencies that own and operate the signal systems. Although there was general acknowledgement that the SB ITS Plan provides a long term framework for development of advanced signal synchronization, active traffic corridor management, and advanced communication with motorists in the South Bay, no South Bay agency agreed to lead the ambitious \$7 million project. Absent a local agency willing to lead the study, at its July 24, 2014 meeting the SBCCOG Board approved deferral of SB ITS project 312.31 and de-obligated the \$7 million in South Bay Highway Program. SBCCOG staff noted it would return to the Measure R Committee and Board in August with a recommendation to undertake a more limited implementation study to begin the SB ITS Plan development.

Deliberations between Metro, L. A. County Department of Public Works, the City of Los Angeles, Caltrans, SBCCOG staff, and other South Bay jurisdictions have led to a recommended scope of work, schedule and budget for implementation of an initial STE ITS project. The initial SBCCOG-funded STE study will establish a baseline reference point for arterial conditions that can be used to prioritize SBHP Measure R operational improvement projects in the near term and supplement the end goal of deploying a Highway Monitoring System (HMS) for the South Bay that integrates performance measurement of the Caltrans freeway network and the Measure R-eligible arterial corridor network. The baseline conditions analysis will complement and be consistent with the SBHP STE.

The initial study scope will be to develop a South Bay Arterial Performance Measure Framework and to complete a South Bay Arterial Baseline Conditions Analysis. The analysis will identify and evaluate suitable arterial performance measures / baseline indicators, evaluate the applicability and use of third-party data evaluation, establish a baseline conditions analysis methodology and complete the baseline conditions analysis. Once these baseline conditions are documented, an ITS implementation strategy that incorporates the active traffic management and advanced motorist communications technologies can be defined for high-priority South Bay traffic corridors.

A major task of the recommended initial study will be to complete baseline arterial traffic volume counts at 104 South Bay locations. The counts are to be conducted one time over a 7 day period in 15 minute intervals. To avoid any skewing of the baseline data, the counts need to be completed during September and October, after the summer vacation period and before the year-end holidays. The proposed study scope of work is included in Exhibit 1. The proposed study schedule and not-to-exceed study budget of \$250,000 are included in Exhibit 2.

This traffic count schedule is driving the need for the study to be initiated by the end of August. The Metro Highway Section staff has agreed to procure and manage a consultant that Metro will select from its Highway Planning Bench to complete the study. However, Metro cannot issue a contract notice to proceed until the SBCCOG Board approves funding for the study to be allocated from the South Bay Highway Program fund in an amount not to exceed \$250,000.

Sufficient FY 14-15 funding for the study is included in the 2015 SBHP Metro Budget Request that was approved by the SBCCOG Board in February 2014 and by Metro in March 2014. Similar to an arrangement that Metro has with the Gateway Cities Council of Governments to use GCCOG's sub-regional funds, Metro staff will establish a contract control number within the Metro accounting system for the study and will prepare required SBHP monthly and quarterly progress reports. The study scope, schedule and budget must be approved by the SBCCOG Board but does not require approval of the Metro Board.



At its meeting on August 6, 2014, the Measure R Oversight Committee approved the following staff recommendations:

1. Metro to be the lead agency for the South Bay Arterial Performance Measure Framework and Arterial Baseline Conditions Analysis consistent with the scope of work, schedule and budget identified in Exhibits 1 and 2; and,
2. Metro to use SBHP project development funds in an amount not to exceed \$250,000 and Metro's Highway Planning Bench to complete the study.

The Measure R Oversight Committee recommendation will be considered by the SBCCOG Board of Directors at its August 28, 2014 meeting.

RECOMMENDATION

The Infrastructure Working Group may receive and file this report.

**Reviewed and approved by Jacki Bacharach**

**Metro South Bay Performance Measurement Baseline Conditions Analysis:  
Draft Scope of Work**

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# South Bay Cities Arterial Performance Measurement Baseline Conditions Analysis

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## 1. Introduction

In 2008, voters in Los Angeles County approved Measure R, a one-half percent sales tax dedicated to improving mobility in the region. A part of these funds (approximately \$906 million in 2008 dollars) is dedicated to funding operational improvements on state freeways/highways and adjacent arterials in the South Bay region of Los Angeles County. To provide guidance on how these funds should be invested, the South Bay Cities Council of Governments (SBCOG) has developed a Strategic Transportation Element (STE) for the South Bay Measure R Highway Program (SBHP).

Measure R requires SBHP projects to demonstrate a nexus to operational improvement of the South Bay Freeway network. These projects must be on the South Bay freeways or on arterial corridors that serve or provide useful alternatives to the freeways. As part of the development of the STE a series of performance measures were identified to support the evaluation and assessment of projects which are part of the SBHP. During this performance measurement assessment it was determined that the necessary data to support these measures for the freeways in the South Bay are already available, either through the Caltrans' Performance Measurement System (PEMS), or through other existing sources. This is not the case for the arterials. To address the lack of data available on the arterial network, a SBHP Intelligent Transportation System (ITS) project has been identified to enable the collection of the data need to support the calculation of the SBHP arterial performance measures.

While the SBCOG has begun to evaluate technology options for collecting the necessary data to support arterial performance measures (APMs), project deployment options, and estimated project costs, additional work is needed to develop consensus on how to proceed with the collection and reporting of APMs that is cost effective and institutionally feasible. While the SBCOG continues to work with regional and sub-regional stakeholders to address these matters, it has become clear that a preliminary assessment of current arterial corridor operating conditions is needed to establish a performance baseline as SBHP projects are being prioritized and constructed.

## 2. Overview

The SBCOG is attempting to establish a reference point for arterial conditions that can be used to prioritize SBHP Measure R operational improvement projects in the near term and supplement the end goal of deploying a Highway Monitoring System (HMS) for the South Bay that integrates performance measurement of the Caltrans freeway network and the Measure R eligible arterial corridor network. This Scope of Work outlines the tasks for consultant services to assist the SBCOG in the completion of an arterial baseline conditions analysis. It is expected that this baseline conditions analysis will complement and be consistent with the SBHP STE.

## 3. Arterial Performance Baseline Conditions Analysis

The SBCOG is seeking a qualified consultant or consultant team to conduct an arterial performance baseline conditions analysis. The analysis shall include all of the roadway corridors identified in the SBHP STE.

Table 1 - SBHP STE Roadway Corridors

	Facility	From	To	#
Highways	Western Ave (SR-123)	25th St	I-405	1
	Hawthorne Blvd (SR-107)	SR-1 (PCH)	I-405	2
	PCH/Lincoln Blvd/Sepulveda Blvd	I-110	Imperial Hwy	3
	Ocean Blvd (SR-47)	I-110	Navy Way	4
Primary Arterials	Manchester Blvd	SR-1 (PCH)	Central Ave	5
	La Cienega Blvd	El Segundo Blvd	Centinela Ave	6
	Imperial Hwy	Vista Del Mar	Central Ave	7
	El Segundo Blvd	SR-1 (PCH)	Central Ave	8
	Vermont Ave	SR-1 (PCH)	Gage Ave	9
	Figueroa St	SR-1 (PCH)	Gage Ave	10
	Inglewood Ave	190th St	Florence Ave	11
	Artesia Blvd	SR-1 (PCH)	Vermont Ave	12
	190th St	Inglewood Ave	Central Ave	13
	La Brea Ave	Century Blvd	Centinela Ave	14
	Hawthorne Blvd	I-405	Century Blvd	15
	Rosecrans Ave	Vista Del Mar	Central Ave	16
	Century Blvd	SR-1 (Sepulveda Bl)	Central Ave	17
	Secondary Arterials	Manhattan Beach Blvd	SR-1 (Sepulveda Bl)	Van Ness Ave
Florence Ave		Manchester Blvd	Central Ave	19
Sepulveda Blvd		Hawthorne Blvd	Alameda St	20
Carson St		Hawthorne Blvd	Alameda St	21
Normandie Ave		SR-1 (PCH)	Gage Ave	22
Aviation Blvd		Artesia Blvd	Manchester Blvd	23
Crenshaw Blvd		Palos Verdes Dr	Florence Ave	24
Torrance Blvd		SR-1 (PCH)	Main St	25
Gaffey St		25th St	Vermont Ave	26
Hawthorne Blvd		Palos Verdes Dr	SR-1 (PCH)	27

Period of Performance

The period of performance to complete the Arterial Performance Baseline Conditions analysis is six months from notice to proceed. The consultant proposal shall contain a task management schedule indicating how the complete scope of work can be accomplished within the specified time frame.

Project Oversight

Working with the SBCOG, the Consultant will create a Project Development Team (PDT) with representatives from the SBCOG, LA County Public Works, Metro, and other sub-regional stakeholders. PDT meetings will be conducted on an as needed basis, but at least every four weeks. The Consultant shall be responsible for coordinating PDT meetings including but not limited to setting the agendas, scheduling meetings, taking meeting minutes, and following up with PDT members to collect comments on deliverables.

### Communications Protocol

During the execution of the Arterial Performance Baseline Conditions Analysis, communications with the Consultant and PDT members will be through the SBCOG unless directed otherwise. The Consultant shall be responsible for making informational presentations and/or conducting workshops at the request of the SBCOG and may be directed to work directly with specific PDT members as needed.

### **Task 1 – Project Management**

The Project Manager (PM) will act as the principal contact for the SBCOG and the PDT and will be responsible for the completion of activities associated with the performance of this project. The PM is expected to oversee and participate in the day-to-day activities of this scope of work and should, therefore, have no concurrent assignments that would interfere with the successful and timely completion of all Tasks related to this Work. Additional responsibilities include management of project planning activities and tracking of resources associated with each aspect of the project. In addition, the PM will be responsible for preparations of invoices, billings, and other financial information for review and approval by SBCOG, as required. Task 1 Deliverables will be paid on a time and materials basis. Project management activities described under this task will be performed only up to the budget limit of this task.

Project Management activities for this task includes the following:

- Attend meetings as requested by the SBCOG and PDT
- Prepare meeting minutes summarizing discussions at all meetings attended. Minutes should include summaries and follow-up action items.
- Preparation of invoices
- Preparation of monthly progress reports related to current phase of work
- Communication with SBCOG and PDT staff
- Discussions related to contractual questions, scope, schedule, and financial issues
- Developing presentation materials, brochures, and newsletters related to project, as requested by the SBCOG

### Monthly Reporting

The PM shall prepare and submit written monthly progress reports to the SBCOG detailing the status of work being performed. The reports shall include:

- A narrative of the Tasks accomplished in that month
- A review of any incomplete Tasks and the reasons why they were not completed
- An outline of the Tasks anticipated to be accomplished in the next month
- A list and status of outstanding issues, Deliverables and Invoices as required by this Contract
- 

### Quality Assurance / Quality Control

The Consultant shall have internal quality assurance/quality control procedures and will apply these to their work. QA/QC reviews must be completed prior to submission of all documentation to the SBCOG. The products must be prepared and reviewed by experienced professional staff to verify the methods, procedures, assumptions, conclusions, and recommendations are appropriate and accurate.

*Deliverables: Meeting minutes, Monthly progress reports, Invoices, QA/QC Plan*

## **Task 2 – Evaluate and Identify Suitable Performance Measures/Indicators**

The Consultant shall review existing high level arterial performance measures identified by Metro as well as the performance indicators identified in the SBHP STE and determine what data and what specific performance measures/indicators are able to be collected immediately based on existing conditions and which are most suitable for the baseline conditions analysis. The Consultant shall work directly with the SBCOG and PDT members to determine the specific performance measures based upon the anticipated limitations of the data types identified in Tasks 3 and 4. During the course of this evaluation, the Consultant shall map the performance measures tied to the baseline conditions analysis to the requirements identified in the SBHP STE for the purposes of establishing purpose and need.

Upon final agreement, the Consultant shall develop a final list of arterial performance measures that will be used to guide the development of the baseline conditions analysis methodology and shape the selection of third party data sources and the collection of traffic count data as identified in Tasks 3 & 4.

*Deliverable: Arterial performance measures list, definitions and data requirements*

## **Task 3 – Third Party Data Evaluation, Recommendation and Purchase**

The Consultant shall evaluate available third party traffic data capable of supporting the key performance indicators tied to the Arterial Baseline Conditions Analysis. The Consultant shall focus this evaluation on the accuracy and integrity of the different sources of data as well as the ease of use of the data for analytical purposes. Furthermore, the Consultant shall document how the data is generated by the different third party data providers and evaluate the cost of the data needed to support the baseline conditions analysis. The findings from this evaluation will be presented to the SBCOG and the PDT, and a decision will be made on what data provider to use and what type of dataset to acquire. Upon final selection, the Consultant shall procure the agreed upon dataset from the selected third party provider.

*Deliverables: Third party traffic data evaluation and recommendation report*

*Procured third party data set*

#### Task 4 - Traffic Volume Counts

The Consultant shall collect bi-directional tube counts at the following locations to support the baseline conditions analysis. While the locations for the counts have been predefined, the identified count locations will be re-evaluated by the SBCOG and the PDT and refined if necessary.

#	Main Street	Location	Cross Street
1	Western Ave	S/O	Carson St
		S/O	SR-1 (PCH)
		N/O	25th St
2	Hawthorne Blvd	S/O	Artesia Blvd
		N/O	Torrance Blvd
3	SR-1 (PCH)	S/O	Imperial Hwy
		S/O	Rosecrans Ave
		S/O	Artesia Blvd
		S/O	Anita St
		W/O	Hawthorne Blvd
		W/O	Western Ave
		E/O	Vermont Ave
4	Ocean Blvd	W/O	Avalon Blvd
		E/O	Harbor Blvd
5	Manchester Blvd	E/O	SR-1 (PCH)
		W/O	La Cienega Blvd
		W/O	Prairie Ave
		E/O	Vermont Ave
		W/O	Avalon Blvd
6	La Cienega Blvd	S/O	Centinela Ave
		N/O	Lennox Blvd
7	Imperial Hwy	E/O	Main Street
		E/O	Douglas St
		E/O	Hawthorne Blvd
		W/O	Crenshaw Blvd
		E/O	Vermont Ave
8	El Segundo Blvd	W/O	Avalon Blvd
		W/O	Aviation Blvd
		W/O	Hawthorne Blvd
		W/O	Western Ave
		E/O	Vermont Ave
		W/O	Avalon Blvd

#	Main Street	Location	Cross Street
9	Vermont Ave	N/O	Manchester Blvd
		N/O	Imperial Hwy
		N/O	El Segundo Blvd
		S/O	Artesia Blvd
		S/O	190th St
		N/O	Carson St
		S/O	Sepulveda Blvd
10	Figueroa St	S/O	Florence Ave
		N/O	Imperial Hwy
		S/O	El Segundo Blvd
		S/O	Alondra Blvd
		S/O	190th St
		N/O	Carson St
		N/O	Sepulveda Blvd
11	Inglewood Ave	S/O	Century Blvd
		S/O	El Segundo Blvd
		N/O	Manhattan Beach Bl
		N/O	Artesia Blvd
12	Artesia Blvd	E/O	Sepulveda Blvd
		W/O	Hawthorne Blvd
		W/O	Crenshaw Blvd
		E/O	Vermont Ave
13	190th St	W/O	Hawthorne Blvd
		E/O	Van Ness Ave
		E/O	Western Ave
		E/O	Normandie Ave
		E/O	Avalon Blvd
14	La Brea Ave	S/O	Manchester Blvd
15	Hawthorne Blvd	S/O	Century Blvd
		N/O	El Segundo Blvd
		N/O	Manhattan Beach Bl
16	Rosecrans Ave	E/O	Pacific Ave
		E/O	Aviation Blvd
		W/O	Hawthorne Blvd
		W/O	Crenshaw Blvd
		E/O	Vermont Ave
		W/O	Avalon Blvd



#	Main Street	Location	Cross Street
17	Century Blvd	W/O	Airport Blvd
		W/O	La Cienega Blvd
		W/O	Prairie Ave
		E/O	Vermont Ave
		W/O	Avalon Blvd
18	Manhattan Beach Bl	E/O	Sepulveda Blvd
		W/O	Inglewood Ave
		E/O	Hawthorne Blvd
		W/O	Crenshaw Blvd
19	Florence Ave	W/O	Inglewood Ave
		E/O	Vermont Ave
		W/O	Avalon Blvd
20	Sepulveda Blvd	E/O	Crenshaw Blvd
		E/O	Western Ave
		W/O	Wilmington Ave
21	Carson St	E/O	Crenshaw Blvd
		E/O	Vermont Ave
		W/O	Avalon Blvd
		W/O	Wilmington Ave
22	Normandie Ave		No Counts
23	Aviation Blvd	N/O	Imperial Hwy
		N/O	Rosecrans Ave
		N/O	Artesia Blvd
24	Crenshaw Blvd	S/O	Manchester Blvd
		S/O	Imperial Hwy
		N/O	Rosecrans Ave
		S/O	Artesia Blvd
		N/O	190th St
		N/O	Sepulveda Blvd
		S/O	SR-1 (PCH)
25	Torrance Blvd	W/O	Hawthorne Blvd
		W/O	Vermont Ave
		W/O	Main Street
26	Gaffey St	N/O	9th Street
27	Hawthorne Blvd	S/O	SR-1 (PCH)

The counts shall be conducted one time over a 7 day period in 15 minute intervals. The Consultant shall be responsible for obtaining necessary city approvals prior to the deployment of the tube counters. If permits are required, it will be the responsibility of the Consultant to obtain the permits. For cost proposal purposes, it should be anticipated that any needed permits will be no-fee in nature.

*Deliverable: Consolidated traffic volume counts report and raw data export*

### **Task 5 – Arterial Performance Baseline Conditions Analysis Methodology**

The Consultant shall develop a methodology for using the data procured under Task 3 and the traffic volume counts collected under Task 4 to generate the baseline performance measurement report identified under Task 2. In developing this methodology, the Consultant will clearly define the data inputs, data aggregation processes, data analytics approach, and the methodology outputs. The proposed methodology shall be developed in a manner that it can be readily duplicated without the use of overly sophisticated application tools, utilizing only those data elements collected and deployed through this contract. The methodology recommendations shall be presented to the SBCOG and the PDT for final review and approval.

*Deliverables: Draft and final baseline arterial performance measurement report*

### **Task 6 – Arterial Performance Baseline Conditions Analysis**

The Consultant shall apply the methodology developed under Task 5 to the 27 arterial corridors identified in the SBHP STE. The findings from this analysis shall be presented as a written report and summarized in a PowerPoint presentation. In addition, the Consultant will graphically represent the analysis finding on a layered GIS map. The Consultant shall present the analysis to the SBCOG and the PDT for review and will work with them to adjust the findings to address any anomalies. The Consultant shall deliver any electronic databases, GIS files, standalone graphics, and spreadsheet files developed to support the analysis to the SBCOG.

The Consultant shall be prepared to support the SBCOG with the presentation of the findings at a maximum of four meetings. The Consultant shall be responsible for preparing and printing of all presentation materials.

*Deliverables: Draft arterial performance baseline conditions analysis report  
Final arterial performance baseline conditions analysis report  
Arterial performance baseline conditions analysis PowerPoint presentation  
Meeting materials  
Raw GIS files, spreadsheets, databases, graphics, etc.*

South Bay Arterial Performance Baseline Conditions Analysis Tasks	14-Sep	14-Oct	14-Nov	14-Dec	14-Jan	14-Feb	Cost \$
Kick-off Meeting							1,000
Project Management							40,000
Evaluation and Identify Suitable Performance Measures/Indicators							13,000
Third Party data Evaluation, Recommendation and Purchase							46,000
Traffic Volume Counts							60,000
Arterial Performance Baseline Conditions Analysis Methodology							25,000
Arterial Performance Baseline Conditions Analysis.							40,000
Total							225,000

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## Attachment D

<b>SBHP / CFP Schedule (revised 7/29/14)</b>		<b>May '14</b>			<b>Jun '14</b>			<b>Jul '14</b>			<b>Aug '14</b>			<b>Sep '14</b>			<b>Oct '14</b>			<b>Nov '14</b>			<b>Dec '14</b>			<b>Jan '15</b>		
<b>x = SBCCOG action required</b>	<b>= activity duration</b>	MRO	IWG	Board	MRO	IWG	Board	MRO	IWG	Board	MRO	Steering	Board	MRO	IWG	Board	MRO	IWG	Board	MRO	IWG	Board	MRO	IWG	Steer.	MRO	IWG	Board
<b>Task 1: SBHP Project Deobligation</b>		<b>May '14</b>			<b>Jun '14</b>			<b>Jul '14</b>			<b>Aug '14</b>			<b>Sep '14</b>			<b>Oct '14</b>			<b>Nov '14</b>			<b>Dec '14</b>			<b>Jan '15</b>		
a. Lead agencies / COG ID projects for deobligation					x	x	x																					
b. Lead Agency de-obligation appeal hearing								x																				
c. Consideration of de-obligation recommendations								x		x																		
d. Lead agencies request schedule change, deferral					x	x	x																					
<b>Task 2: New SBHP Projects</b>		<b>May '14</b>			<b>Jun '14</b>			<b>Jul '14</b>			<b>Aug '14</b>			<b>Sep '14</b>			<b>Oct '14</b>			<b>Nov '14</b>			<b>Dec '14</b>			<b>Jan '15</b>		
a. Identify new projects for FY 2015-2021 SBHP Program								x																				
b. Select SBHP bench consultant for nexus analysis								x		x																		
c. Determine nexus eligibility for new SBHP / projects														x	x	x												
d. Add new projects to SBHP Draft Program List														x	x	x												
<b>Task 3: FY 2014-15 Metro Budget Request</b>		<b>May '14</b>			<b>Jun '14</b>			<b>Jul '14</b>			<b>Aug '14</b>			<b>Sep '14</b>			<b>Oct '14</b>			<b>Nov '14</b>			<b>Dec '14</b>			<b>Jan '15</b>		
a. Project list revised for adds, deletes, sched., \$ amounts																												
b. Approve revised SBHP 2015-2021 Metro Budget Request																				x	x	x						
<b>Task 5: CFP Projects Technical Support</b>		<b>May '14</b>			<b>Jun '14</b>			<b>Jul '14</b>			<b>Aug '14</b>			<b>Sep '14</b>			<b>Oct '14</b>			<b>Nov '14</b>			<b>Dec '14</b>			<b>Jan '15</b>		
a. Lead agencies submit requests for technical assistance																												
b. SBCCOG releases RFP to Technical Bench																												
c. Consultant selected for each PSR / PSRE by city																												
d. Lead agency executes funding agreement with SBCCOG								x		x	x	x	x															
e. Lead agency contracts with Consultant for PSR / PSRE																												
f. Bench firms complete PSRs / PSREs																												
<b>Task 6: CFP Application Completion</b>		<b>May '14</b>			<b>Jun '14</b>			<b>Jul '14</b>			<b>Aug '14</b>			<b>Sep '14</b>			<b>Oct '14</b>			<b>Nov '14</b>			<b>Dec '14</b>			<b>Jan '15</b>		
a. Lead agency requests CFP SBHP Match \$ request																												
b. SBCCOG considers CFP SBHP Local Match Requests																	x	x	x									
c. Lead Agency completes CFP application																												
d. SBCCOG approves Metro Budget Request Update																				x	x	x						
e. Metro approves SBCCOG's Metro Budget Request																												

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**South Bay Cities Council of Governments**

August 12, 2014

TO: SBCCOG Infrastructure Working Group  
FROM: Jacki Bacharach, Executive Director  
Steve Lantz, SBCCOG Transportation Consultant

SUBJECT: South Bay Highway Program Quarterly Report

**BACKGROUND**

The Measure R Oversight Committee has requested a quarterly report on the status of the South Bay Highway Program. This summary covers the period April 1, 2014 through June 30, 2014 (Exhibit 1).

**RECOMMENDATION**

The Infrastructure Working Group may receive and file the report.

**Reviewed and approved by Jacki Bacharach**

## **Exhibit 1**

### **South Bay Measure R Highway Program Implementation Quarterly Progress Report for April 1, 2014 through June 30, 2014**

This Progress Report covers activities undertaken by the SBCCOG staff and SBCCOG consultants in support of SBCCOG Measure R South Bay Highway Program (SBHP) during the period from 4/1/2014 through 6/30/2014.

#### **SBHP Program Administration / Intergovernmental Activities:**

- All consultants submitted their monthly invoices, work logs and progress updates as required in their contracts.
- The Transportation Manager provided individual SBHP orientation presentations to 2 consulting firms and 6 new South Bay agency staff representatives.
- The Transportation Manager met twice with Caltrans and Metro regarding the I-405 Corridor Study.
- The Transportation Manager participated in a meeting with Caltrans and Metro re impacts of the ExpressLane Feasibility study on the I-405 and I-110 through the South Bay.
- The Consultants and SBCCOG staff prepared and submitted the January 1 through March 31, 2014 SBHP Quarterly Report and invoice to Metro. The quarterly report and status of the Consultants contracts were presented at the April 2014 Oversight Committee meeting and April 2014 Board of Directors Meeting.
- The Transportation Manager prepared monthly Transportation Updates in April, May and June 2014.
- The Transportation Manager continued to provide informational briefings to Metro Board staff on the SBCCOG Measure “X” Neighborhoods First White Paper.
- The Transportation Manager participated in an Active Transportation Collaborative symposium on April 9 and LA-N-Sync Pilot Year Summit on May 9.
- The Transportation Manager participated in a Caltrans Smart Mobility Framework conference call on April 17, May 29 and June 17.
- The Transportation Manager met with K. Gardner, of ITN, on April 19 and both met with the SBCCOG Senior Services Committee on April 20 to discuss ITN’s senior transportation services.
- The Transportation Manager and Executive Director participated in the newly-formed One LA Meeting on the I-405 on June 8.
- The Transportation Manager participated in the Community Advisory Group rating of Call for Projects applications for the ExpressLane surplus fund allocations on June 27.
- The Project Manager and Executive Director joined SBCCOG Board Members / Alternates for a tour of LAX ground facilities on 6/12.
- The Project Manager participated in the 6/26 Metro Board meeting regarding the LAX Connector / Crenshaw-LAX Project Development Coordination.

#### **SBHP Meeting Support Activities**

- The Transportation Manager participated in all scheduled meetings of the SBCCOG Board of Directors, Steering Committee, Senior Staff, Infrastructure Working Group, Legislative Briefing Breakfast, and the new Senior Services Working Group.



- The Transportation Manager and Administrative Assistant developed and delivered required agendas, minutes for the Measure R Oversight Committee and Infrastructure Working Group and agenda items for the SBCCOG Steering Committee and SBCCOG Board of Directors agenda packets.
- The Transportation Manager met with M. Bohlke regarding coordination of SBCCOG / Metro initiatives on 4/4, 5/23, 6/6 and 6/20.

#### **South Bay Highway Program Implementation Plan Update Activities:**

- The Transportation Manager and Administrative Assistant prepared monthly updates of the 3-month look-ahead calendar and the SBHP Annual Implementation Plan Update calendar for inclusion in the monthly Measure R Oversight Committee and Infrastructure Working Group agenda packets.
- The Transportation Manager and Executive Director continued the advocacy outreach with Metro staff and with L. A. City Councilman Mike Bonin and the Westside COG to revert Metro's boundaries for Westside and South Bay sub-regional programs to be consistent with the SBCCOG Board approved map of SBCCOG boundaries.
- The Project Manager met with L. Saadatnejadi, F. Quon and I. Panuco to manage SBHP project oversight during the Metro staffing transitions following the retirement of D. Failing.
- The Transportation Manager participated in an LA City community meeting regarding the Coastal Corridor Specific Transportation Plan Update on June 9.
- The Project Manager and Executive Director met with J. Goodhart and R. Franklin on May 22 regarding the leadership transition for the Measure R Oversight Committee.
- The Project Manager and Administrative Assistant prepared and distributed a sample scope of work for SBCCOG Technical Assistance to lead agencies that submit applications in the Metro 2015 Call for Projects.

#### **SBHP Project Reporting and Oversight Activities:**

- The Administrative Assistant continued to work with lead agencies to receive and review lead agency monthly and quarterly reports from Metro FTP site as lead agencies continued throughout the quarter to submit hard copy reports that are being entered into the PMIS database by Metro staff.
- The Transportation Manager and Administrative Assistant prepared a Project Progress Summary and Risk Report for submission to the January, February and March MRO Committee. The Infrastructure Working Group reviewed the monthly Progress Reports but not the Risk Reports.
- The Transportation Manager and Administrative Assistant worked with lead agencies throughout the quarter to determine if any SBHP projects were to be deferred and funding de-obligated. A deferral / deobligation hearing was scheduled for the July 2 Measure R Oversight Committee. The Project Manager and Administrative Assistant participated in numerous meetings, conference calls and email exchanges to help lead agencies comply with the funding agreement and quarterly /monthly report administrative requirements.
- The Transportation Manager met with or spoke with the following lead agencies to discuss project progress and issues: Hermosa Beach, Redondo Beach, Manhattan Beach, Torrance, Inglewood and Gardena.

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Updated 8/12/14

**South Bay Measure R Highway Program**

## 3-month Look-ahead on Committee Meetings and Decision Milestones

August 2014	September 2014	October 2014
<p>6. <b>Measure R Oversight Committee</b></p> <ul style="list-style-type: none"> <li>Approve technical assistance funding agreements for preparation of MTA 2015 CFP applications</li> <li>Approve Metro SB Arterials Baseline Performance Measurement Study</li> <li>Project Progress Spotlight</li> <li>Review status of SBHP Bench Task Order Requests</li> <li>Review quarterly SBHP program consultant activity report</li> </ul> <p>11. <b>Steering Committee</b></p> <p>20. <b>IWG Meeting</b></p> <ul style="list-style-type: none"> <li>Review Metro SB Arterials Baseline Performance Measurement Study</li> <li>Review new projects in SBHP Implementation Plan</li> <li>Review quarterly SBHP program consultant activity report</li> </ul> <p>28. <b>Metro Board</b></p> <p>28. <b>SBCCOG Board</b></p> <ul style="list-style-type: none"> <li>Approve Metro SB Arterials Baseline Performance Measurement Study</li> <li>Approve technical assistance funding agreements for preparation of MTA 2015 CFP applications</li> <li>Approve technical services bench task orders (if any)</li> </ul>	<p>3. <b>Measure R Oversight Committee</b></p> <ul style="list-style-type: none"> <li>Project Progress Spotlight</li> <li>Recommend technical services bench task orders (if any)</li> <li>Review status of SBHP Bench Task Order Requests</li> <li>Review 3-month look ahead</li> </ul> <p>8. <b>Steering Committee</b></p> <p>17. <b>IWG Meeting</b></p> <ul style="list-style-type: none"> <li>Review Project De-obligation Risks Report</li> <li>Review new projects in SBHP Implementation Plan</li> <li>Review SBHP Implementation Plan Update Schedule and Calendar</li> </ul> <p>25. <b>Metro Board</b></p> <p>25. <b>SBCCOG Board</b></p> <ul style="list-style-type: none"> <li>Approve technical services bench task orders (if any)</li> </ul>	<p>1. <b>Measure R Oversight Committee</b></p> <ul style="list-style-type: none"> <li>Review Project De-obligation Risks Report</li> <li>Project Progress Spotlight</li> <li>Review new projects in SBHP Implementation Plan</li> <li>Review 3-month look ahead</li> </ul> <p>13. <b>Steering Committee</b></p> <p>15. <b>IWG Meeting</b></p> <ul style="list-style-type: none"> <li>Review new projects in SBHP Implementation Plan</li> </ul> <p>23. <b>Metro Board</b></p> <p>23. <b>SBCCOG Board</b></p> <ul style="list-style-type: none"> <li>Review Project De-obligation Risks Reports</li> </ul>

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Amended SBCCOG South Bay Measure R Highway Program FY 2014-2020 Metro Budget Request

Annual Allocation in Metro LRTP (in \$1K)	\$35,900	\$35,900	\$57,700	\$18,700	\$18,700	\$18,700	\$18,700	\$5,900	
2010/11-11/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	
Annual Available Measure R Funds	\$25,900	\$48,812	\$61,190	\$73,082	\$55,050	\$48,473	\$44,063	\$36,972	\$20,488
Annual Project Allocations	\$12,988	\$23,522	\$45,808	\$36,732	\$25,277	\$23,110	\$25,791	\$22,383	\$11,737
Unallocated Annual Carry Over	\$12,912	\$25,290	\$15,382	\$36,350	\$29,773	\$25,363	\$18,272	\$14,588	\$8,751

Note: The amount of available SBHP Measure R funds each year is the sum of the Annual Allocation in the Metro LRTP + the unallocated carry over from the previous year. The sum of annual project allocations in each year is subtracted from the Annual Available Measure R funds in the same year with the remainder being the unallocated carry over for that year.

New \$			Increased \$				Reduced \$					Closed						
Identification	Location		Allocated Fundings				Current Allocation	Prev Year	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	Cummulative Change	
Old ID	Metro ID	Project Sponsor	Facility	Limits	City/ County	Description	Original Budget/ Funding											
F29	MR312.31	* SBCCOG	Various	Various	Various	South Bay Subregional ITS Plan	\$7,000	\$0	\$0	\$2,000	\$2,000	\$2,000	\$1,000	\$0	\$0	\$2,000		
SB01		* SBCCOG	Early Action Contingency			Early Action Contingency	\$5,000	\$3,500	\$2,500	\$0	\$1,000	\$0	\$0	\$0	\$0	(\$14,700)		
SB05		* SBCCOG	Strategic Positioning Reserve Funds			Strategic Positioning Reserve Funds	\$18,200	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$4,377)		
SB02		* SBCCOG	Measure R SBHP			Program Contingency	\$4,377	\$12,000	\$0	\$0	\$0	\$2,000	\$2,000	\$2,000	\$2,000	\$12,000		
	MR312.01	* SBCCOG	Measure R Highway Program		South Bay	<b>Program Development, Oversight, and Administration - Total</b>	\$6,754	\$3,989	\$0	\$0	\$576	\$562	\$539	\$600	\$500	\$594	\$617	(\$2,765)
SB03		SBCCOG	Measure R Highway Program		South Bay	Project Development		\$65,248	\$5,450	\$2,307	\$16,441	\$3,200	\$2,300	\$7,900	\$11,800	\$11,650	\$4,200	\$65,248
F38	MR312.24	Caltrans	I-110	Southbound I-405 from SR-91 to Del Amo Boulevard Undercrossing	Metro / Caltrans	PAED: Auxiliary lane on southbound I-110 from westbound SR-91 connector to Torrance Boulevard off-ramp and evaluate feasibility of a new flyover ramp from northbound I-405 to southbound I-110 Connector	\$1,150	\$20,000	\$0	\$0	\$1,150	\$300	\$2,000	\$5,900	\$5,900	\$4,750	\$0	\$18,850
FN 1	MR312.29	Caltrans	Pacific Coast Highway and Parallel Arterials	From Imperial Highway to I-110	County, El Segundo, Hawthorne, Manhattan Beach	ITS: Pacific Coast Highway and Parallel Arterials from I-105 to I-110	\$9,000	\$9,000	\$0	\$0	\$7,000	\$2,000	\$0	\$0	\$0	\$0	\$0	
F60	MR312.11	Caltrans	I-405, I-110, I-105, SR-91	at freeway ramp/arterial signalized intersections	Carson, County, El Segundo, Hawthorne, Inglewood, Los Angeles, Lawndale, Redondo Beach, Torrance	DCCM: Coordinate freeway ramp/arterial intersections with arterial corridors. (e.g. NB I-405 Off-Ramp at Artesia Boulevard, SB I-110 Off-Ramp at Pacific Coast Highway)	\$5,000	\$5,000	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	MR312.45	Caltrans	I-110	from Artesia Boulevard to I-405	Los Angeles	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	\$1,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000	\$0	\$0	
B7A	MR312.25	Caltrans	I-405	at 182nd St. / Crenshaw Boulevard	Torrance	I-405 at 182nd St./Crenshaw Boulevard improvements	\$1,700	\$20,000	\$0	\$0	\$1,700	\$0	\$300	\$2,000	\$5,900	\$5,900	\$4,200	\$18,300
	MR312.30	Caltrans	I-405 and I-105	I-1405 from I-110 to I-105 and I105 from I-405 to Crenshaw	Caltrans	Corridor Refinement Studies	\$1,000	\$700	\$0	\$700	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$300)
N34	MR312.37	Carson	Sepulveda Boulevard	from Alameda Street to ICTF Driveway	Carson	Widen from four lanes to six lanes, rehabilitate bridge.	\$1,158	\$1,158	\$0	\$1,158	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
N55		El Segundo	Park Place	Nash Street to Allied Way	El Segundo	Park Place roadway extension and railroad grade separation project	\$0	\$350	\$0	\$0	\$0	\$350	\$0	\$0	\$0	\$0	\$0	\$350
F39	MR312.27	El Segundo	Sepulveda Boulevard	from Imperial Highway to El Segundo Boulevard	El Segundo	PCH Study Improvements: Implement PCH Study Recommendations (8)	\$400	\$400	\$0	\$0	\$0	\$400	\$0	\$0	\$0	\$0	\$0	\$0

\* Scope to be determined, then to be transferred to appropriate lead agency who will do the project.\*

Amended SBCCOG South Bay Measure R Highway Program FY 2014-2020 Metro Budget Request

Annual Allocation in Metro LRTP (in \$1K)	\$35,900	\$35,900	\$57,700	\$18,700	\$18,700	\$18,700	\$18,700	\$5,900	
2010/11-11/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	
Annual Available Measure R Funds	\$25,900	\$48,812	\$61,190	\$73,082	\$55,050	\$48,473	\$44,063	\$36,972	\$20,488
Annual Project Allocations	\$12,988	\$23,522	\$45,808	\$36,732	\$25,277	\$23,110	\$25,791	\$22,383	\$11,737
Unallocated Annual Carry Over	\$12,912	\$25,290	\$15,382	\$36,350	\$29,773	\$25,363	\$18,272	\$14,588	\$8,751

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New \$		Increased \$		Reduced \$		Closed									
Identification	Location	Allocated Fundings		Current Allocation	Prev Year	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	Cummulative Change	
Old ID	Metro ID	Project Sponsor	Facility	Limits	City/ County	Description									
	SBHP TO 2014-1	El Segundo	El Segundo Commuter Bikeways	Aviation Blvd, Douglas St. and El Segundo Blvd	El Segundo	Feasibility study to establish three bicycle corridors within the city limits which are near large employers and adjacent to green line stations.	\$150	\$0	\$0	\$0	\$150	\$0	\$0	\$0	\$150
N42	MR312.17	Gardena	Rosecrans Avenue	from Vermont Avenue to Crenshaw Boulevard	Gardena	Install median, left turn pockets, intersection upgrade. Coordinated with County TSSP project.	\$5,140	\$5,140	\$300	\$317	\$4,523	\$0	\$0	\$0	\$0
N67	MR312.21	Gardena	Vermont Avenue	from Rosecrans Avenue to 182nd Street	Gardena	Addition of turn pockets, channelization, pavement upgrade, traffic signal improvements, and minor concrete work	\$2,350	\$2,350	\$150	\$132	\$2,068	\$0	\$0	\$0	\$0
N26	MR312.44	Hawthorne	Hawthorne Boulevard	El Segundo Boulevard to Rosecrans Avenue	Hawthorne	Improve traffic signals; add left-turn pockets; pedestrian, transit & handicap access improvements.	\$4,171	\$5,366	\$0	\$0	\$4,171	\$1,195	\$0	\$0	\$1,195
	MR312.47	Hawthorne	Prairie Avenue	from 118th Street to Marine Avenue	Hawthorne	Signal improvements on Prairie Avenue from 118th Street to Marine Avenue	\$1,237	\$1,237	\$0	\$0	\$0	\$0	\$618	\$619	\$0
N14	MR312.33	Hawthorne	Aviation Boulevard	at Marine Avenue	Hawthorne	Construct westbound right-turn lane. Aviation Boulevard Phase 1: Intersection Projects	\$600	\$2,100	\$0	\$600	\$0	\$0	\$1,500	\$0	\$1,500
F44	MR312.38	Hermosa Beach	Pacific Coast Highway	at Aviation Boulevard	Hermosa Beach	Add southbound dual left turn lanes	\$872	\$872	\$0	\$0	\$0	\$0	\$872	\$0	\$0
F45	MR312.05	Hermosa Beach	Pacific Coast Highway	from Artesia Boulevard to Anita Street	Hermosa Beach	Widen and upgrade the intersections by construction of dedicated right and left-hand turn pockets, re-striping, and re-signalization.	\$368	\$368	\$0	\$0	\$368	\$0	\$0	\$0	\$0
		Hermosa Beach	Measure R Highway Program	PCH/Aviation	Hermosa Beach	Feasibility Study PCH / Aviation Roadway, signalization, pedestrian lighting improvements, and sidewalk widening on Aviation Boulevard from Prospect Avenue to Pacific Coast Highway and on Pacific Coast Highway (SR-1) from Aviation Boulevard to Herondo Street	\$100	\$0	\$0	\$100	\$0	\$0	\$0	\$0	\$100
	MR312.50	Inglewood	Phase V	City of Inglewood	Inglewood	Communication Gap closure on various locations, TS Upgrade and Arterial Detection	\$586	\$384	\$0	\$0	\$0	\$0	\$192	\$192	(\$202)
N6	MR312.12	Inglewood	Phase IV	Various	Inglewood	4th Phase of Citywide ITS Master Plan (central computer system with fiber optic interconnection linking all signalized intersections for two-way communications)	\$3,500	\$3,500	\$300	\$3,200	\$0	\$0	\$0	\$0	\$0
F2	MR312.02	Inglewood	Measure R Highway Program	Manchester/La Cienega	Inglewood	PSR for 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	\$186	\$50	\$0	\$0	\$50	\$0	\$0	\$0	(\$136)
N25	MR312.36	Lawndale	Various	Citywide	Lawndale	Traffic Signal Improvements Citywide	\$1,500	\$1,500	\$0	\$150	\$0	\$1,350	\$0	\$0	\$0
N22	MR312.15	Lawndale	Inglewood Avenue	from 156th Street to I-405 southbound on-ramp	Lawndale	Extension of Phase 2 widening to I-405 southbound ramp	\$500	\$500	\$100	\$400	\$0	\$0	\$0	\$0	\$0
		Lawndale	Measure R Highway Program	Redondo Beach Blvd. at I-405, from Hawthorne Boulevard to Prairie Avenue	Lawndale	PS&E / ROW Acquisition - Signal upgrades, concrete pads for transit, ADA ramps	\$771	\$0	\$0	\$0	\$450	\$321	\$0	\$0	\$771
F53	MR312.43	Lomita	Pacific Coast Highway	at Walnut	Lomita	Improve receiving lane of northern leg of intersection	\$900	\$900	\$0	\$0	\$900	\$0	\$0	\$0	\$0
N31	MR312.56	Los Angeles City	Del Amo Boulevard	from Western Avenue to Vermont Avenue	Los Angeles	Review of Feasibility study	\$0	\$100	\$0	\$0	\$100	\$0	\$0	\$0	\$100
	MR312.51	Los Angeles City	Anaheim Street	Farragut Avenue to Dominguez Channel	Los Angeles	Widen Anaheim Street from 78' to 84' and restripe to accommodate an additional lane in each direction; this would improve the roadway from 4 lanes to 6 lanes (SCAG RTP ID: 21120118)	\$2,354	\$2,298	\$0	\$0	\$0	\$0	\$310	\$280	\$1,708
	MR312.56	Los Angeles City	Measure R Highway Program	Vincent Thomas Bridge 110 Connector	Los Angeles	Vincent Thomas Bridge 110 Connector (Port of Los Angeles)	\$1,000	\$0	\$0	\$0	\$1,000	\$0	\$0	\$0	\$1,000

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New \$		Increased \$				Reduced \$					Closed							
Identification		Location				Allocated Fundings												
Old ID	Metro ID	Project Sponsor	Facility	Limits	City/ County	Description	Current Allocation	Prev Year	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	Cummulative Change	
		Los Angeles County	Various	Regional	South Bay	2013 Call for Projects South Bay Forum systemwide operational improvements, coordination and timing, and ITS improvements	\$1,138	\$1,021	\$0	\$0	\$0	\$0	\$0	\$401	\$620	\$0	(\$117)	
N32	MR312.16	Los Angeles County	Del Amo Boulevard	from Western Avenue to Vermont Avenue	County / Los Angeles	Reconstruct and widen from one lane in each direction to two lanes in each direction	\$26,920	\$26,820	\$0	\$1,000	\$900	\$0	\$5,000	\$5,000	\$5,000	\$5,000	\$4,920	(\$100)
N13	MR312.32	Manhattan Beach	Aviation Boulevard	at Marine Avenue	Manhattan Beach	Add dual southbound left-turn lanes. Aviation Boulevard Phase 1: Intersection Projects	\$1,500	\$1,500	\$0	\$0	\$0	\$1,500	\$0	\$0	\$0	\$0	\$0	\$0
F43	MR312.35	Manhattan Beach	Sepulveda Boulevard	at Manhattan Beach Boulevard	Manhattan Beach	Add northbound, westbound and eastbound dual left turn lanes and southbound right-turn lane	\$980	\$980	\$0	\$0	\$0	\$980	\$0	\$0	\$0	\$0	\$0	\$0
N57	MR312.34	Manhattan Beach	Aviation Boulevard	at Artesia Boulevard	Manhattan Beach	Construct southbound right-turn lane. Aviation Boulevard Phase 1: Intersection Projects	\$1,500	\$1,500	\$0	\$0	\$0	\$1,500	\$0	\$0	\$0	\$0	\$0	\$0
F41	MR312.28	Manhattan Beach	Sepulveda Boulevard	from 33rd Street to south of Rosecrans Avenue	Manhattan Beach	Add one northbound lane by widening bridge no. 53-62	\$9,100	\$9,100	\$0	\$4,550	\$4,550	\$0	\$0	\$0	\$0	\$0	\$0	\$0
F42	MR312.04	Manhattan Beach	Sepulveda Boulevard	at Marine Avenue	Manhattan Beach	Add westbound dual left turns	\$235	\$235	\$0	\$0	\$235	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		Manhattan Beach	Sepulveda Blvd	El Segundo Blvd to Artesia Blvd.	Manhattan Beach	PSR/PSRE for the implementation of PCH Study Improvements	\$50	\$0	\$0	\$50	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$50
N18	MR312.42	Redondo Beach	Inglewood Avenue	at Manhattan Beach Boulevard	Redondo Beach	Add southbound right-turn lane south of railroad tracks to Manhattan Beach Boulevard	\$5,175	\$5,175	\$0	\$0	\$125	\$185	\$4,865	\$0	\$0	\$0	\$0	\$0
N58	MR312.20	Redondo Beach	Aviation Boulevard	at Artesia Boulevard	Redondo Beach	Construct northbound right-turn lane. Aviation Boulevard Phase 1: Intersection Projects	\$847	\$847	\$847	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
F47	MR312.07	Redondo Beach	Pacific Coast Highway	at Torrance Boulevard	Redondo Beach	Add northbound right-turn lane	\$586	\$586	\$59	\$527	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
F48	MR312.08	Redondo Beach	Pacific Coast Highway	at Palos Verdes Boulevard	Redondo Beach	Install westbound right-turn lane	\$320	\$320	\$32	\$288	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
F46	MR312.06	Redondo Beach	Pacific Coast Highway	from Anita Street to Palos Verdes Boulevard	Redondo Beach	PCH Study Improvements: Implement PCH Study Recommendations (11)	\$1,400	\$1,400	\$1,400	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
F55		Torrance	Measure R Highway Program	Western /Sepulveda	Torrance	Design and Environmental Only: Add northbound left-turn lane; widen and restripe for dual eastbound left-turn lanes and westbound right-turn lanes, modify signals AND WESTBOUND DOUBLE LEFT TURN LANES.	\$1,850	\$0	\$0	\$1,850	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,850
		Torrance	Measure R Highway Program	PCH/Hawthorne Park and Ride	Torrance	PCH / Hawthorne Park and Ride Feasibility Study	\$150	\$0	\$0	\$0	\$150	\$0	\$0	\$0	\$0	\$0	\$0	\$150
F49	MR312.09	Torrance	Pacific Coast Highway	at Crenshaw Avenue	Torrance	Preliminary Design EIR and P.S.&E. for operational improvements	\$1,840	\$1,300	\$0	\$0	\$0	\$0	\$1,300	\$0	\$0	\$0	\$0	(\$540)
		Torrance	Hawthorne Boulevard	at 182nd Street, Spencer Street, Emerald Street, and Lomita Blvd	Torrance	P.S.&E for roadway widening to construct new northbound right turn lanes	\$1,050	\$880	\$0	\$0	\$440	\$440	\$0	\$0	\$0	\$0	\$0	(\$170)
P4	MR312.23	Torrance	Torrance Regional Transit Center	465 Crenshaw Boulevard	Torrance	Construct a regional Transit Center including an 8 bus berth transit center building, a kiss-n-ride passenger drop-off, and a park-and-ride vehicle lot for 250 vehicles for the initial parking space provision	\$18,100	\$18,100	\$1,000	\$10,500	\$6,600	\$0	\$0	\$0	\$0	\$0	\$0	\$0
B7B	MR312.26	Torrance	I-405	at 182nd St. / Crenshaw Boulevard	Torrance	I-405 at 182nd St./Crenshaw Boulevard improvements	\$300	\$15,300	\$0	\$0	\$300	\$5,000	\$0	\$5,000	\$5,000	\$0	\$0	\$15,000
F50	MR312.40	Torrance	Pacific Coast Highway	at Vista Montana/Anza Avenue	Torrance	Restripe to add southbound through lane & signal modification for protected northbound/southbound left-turn phasing. Modify striping to accommodate a longer northbound left-turn lane	\$2,900	\$2,900	\$0	\$0	\$2,900	\$0	\$0	\$0	\$0	\$0	\$0	\$0
F51	MR312.10	Torrance	Pacific Coast Highway	at Hawthorne Boulevard	Torrance	Add northbound, eastbound, and westbound right-turn lane, add eastbound left-turn, signal upgrades	\$19,600	\$19,600	\$1,300	\$0	\$300	\$18,000	\$0	\$0	\$0	\$0	\$0	\$0

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	MR312.58	Torrance	PCH	From Calle Mayor to Janet Lane	Torrance	Safety guardrail, fencing and landscaping project to prevent illegal mid-block pedestrian crossing and vehicle incursion onto PCH from a frontage road on the southside of PCH used as a student drop off area for South High School which is on the north side of PCH. The amount of SBHP funding is limited to the lesser of \$852K or the funds needed beyond a potential federal safety grant to construct the southside safety improvements	\$852	\$0	\$0	\$852	\$0	\$0	\$0	\$0	\$0	\$0	\$852
		Torrance	PCH	Madison Ave	Torrance	Signal upgrades to provide left-turn phasing	\$500	\$0	\$0	\$0	\$100	\$400	\$0	\$0	\$0	\$0	\$500
		Torrance	Crenshaw	From Del Amo to Dominguez	Torrance	3 Southbound turn lanes @ Del Amo Blvd, 208th St, Transit Center Entrance, Signal Improvements at 2 and new signal @ Transit Center	\$3,300	\$0	\$0	\$0	\$1,800	\$1,500	\$0	\$0	\$0	\$0	\$500
		Various	Measure R Highway Program	South Bay Arterials	Various	South Bay Arterial Performance Monitoring implementation Study	\$300	\$0	\$0	\$0	\$300	\$0	\$0	\$0	\$0	\$0	\$300





## **USDOT/ITS California Connected Vehicles Pilot Projects Workshop**

**Thursday, August 14, 2014 - 8:30 AM to 12:30 PM**

**Registration & Continental Breakfast begins at 8:00 AM**

**Presentations begin at 8:30 AM**

**Place:**

**LA Metro Boardroom  
One Gateway Plaza, Los Angeles CA 90012**

On March 12, 2014, the Federal Highway Administration (FHWA) announced a Request for Information (RFI) that will be used to help refine the plans for one or more Connected Vehicle pilot deployments. The purpose of the workshop is to inform public and private sector stakeholders on upcoming opportunities and to seek input from public sector implementers as they prepare to integrate emerging connected vehicle and mobile device technologies into operational practice.

This workshop will provide information on the organizing principles and preliminary schedule of the Connected Vehicle Pilot Deployment Program. A summary of challenges identified in the RFI will be reviewed to facilitate further discussion with stakeholders regarding the most salient challenges. In addition, a local panel will discuss the regional and statewide planning activities related to Connected Vehicle.

**AGENDA**

***Overview of Connected Vehicle Pilot Program and Status***

*Kate Hartman, Connected Vehicle Pilots Program Lead, ITS JPO  
Karl Wunderlich, Noblis*

***LA Region Connected Vehicle Planning Perspectives***

*Steve Gota, LA Metro*

***San Diego Region Connected Vehicle Planning Perspectives***

*Peter Thompson, San Diego Association of Governments*

***Bay Area Connected Vehicle Planning Perspectives***

*Janet Banner, Metropolitan Transportation Commission*

***The Vision and the Framework for Statewide Applications***

*Greg Larson, Caltrans*

***What Connected Vehicle Can Mean for Users in California***

*Mike Johnson, Port Logistics Group*

**PLEASE RSVP** to [c.cleary@delcan.com](mailto:c.cleary@delcan.com) by **Friday, August 8th** if you plan to attend.

Event Sponsor:

**Kimley»»Horn**

**[ITSCA Workshop Invitation](#)**