



# **AGENDA**

## **Measure R South Bay Highway Program Oversight Committee**

Monday, February 13, 2012 10:30 A.M.  
SBESC, 15901 Hawthorne Blvd., Suite 400  
Lawndale, CA 90260

- I. CALL TO ORDER / Introductions**
- II. REPORT OF POSTING OF THE AGENDA – Receive and File**
- III. ANNOUNCEMENTS OF ANY CHANGES TO THE AGENDA – Receive and File**
- IV. PUBLIC COMMENT**
- V. CONSENT CALENDAR**
  - A. Minutes from January 9, 2011 meeting (Attachment A) - Approve**
- VI. AGENCY UPDATES**
  - A. Metro – Metro staff**
    - 1. Metro / SBCCOG Cooperative Agreement Deliberations Update**
    - 2. Metro Board motion to allow Measure R funds to be used as match to Metro Call for Projects funds and other funding sources update**
    - 3. Revised Caltrans Project Fact Sheets (Attachment B-1, B-2) - Approve**
  - B. Caltrans – Caltrans staff**
  - C. IWG Committee / IWG Executive Committee Update – Rob Beste**
- VII. DISCUSSION ITEMS**
  - A. Metro’s Project Management Information System ( Attachment C) - status update**
  - B. SBHP Training Workshops Overview (Attachment D) – discussion**
  - C. Status of SBHP Project Funding Agreements (Attachment E) – Receive and file**
  - D. Direct contracts between SBCCOG and Iteris’ sub-consultants - status update**
  - E. 3-Month Look Ahead / Implementation Update Calendar (Attachments F, G) – Receive and file**
  - F. Report of SBCCOG Executive Meeting - Oversight Committee Progress Review and Recommendations – discussion and possible action**
- VIII. Adjourn to next Measure R SBHP Oversight Committee Meeting – March 12, 10:30 AM**

**NOTE NEW OFFICE LOCATION: 20285 WESTERN AVE., SUITE 100 - TORRANCE, CA 90501**

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## **Attachment A**

### **Measure R South Bay Highway Program Oversight Committee January 9, 2012 minutes**

**Attendees:** Jim Goodhart (Chair, PVE), Ralph Franklin (Inglewood), Susan Rhilinger (Torrance), Judy Mitchell (RHE), Ellen Perkins (PVE), Rob Beste (Chair, IWG & Torrance), Stephanie Katsouleas (El Segundo Public Works), Massoud Ghiam (Carson), Lan Saadatnejadi (Metro), Gabe Hamidi, Darek Chmielewski, David Yan, Ed Andraos (Caltrans) Alan Clelland (Iteris), Robert Delgado (Ghirardelli Associates), Natasha DeBenon (Arcadis), Paul Martin (RBF), Polly Ann Walton (Overland Pacific & Cutter), Jacki Bacharach (SBCCOG), Steve Lantz (SBCCOG Transportation Consultant)

- I. **CALLED TO ORDER / Introductions**
- II. **REPORT OF POSTING OF THE AGENDA** – Received and Filed
- III. **ANNOUNCEMENTS OF ANY CHANGES TO THE AGENDA** – Received and Filed –
- IV. **PUBLIC COMMENT - NONE**
- V. **CONSENT CALENDAR**
  - A. **Minutes from December 12, 2011 meeting** (Attachment A) – **Approved**
  - B. **SBCCOG-Metro Congestion Management Program Fee Workshop notice** (Attachment B) – Received and Filed
- VI. **AGENCY UPDATES**
  - A. **IWG Committee / IWG Executive Committee Update – Rob Beste – NOTHING TO REPORT**
  - B. **Metro – Metro staff – Lan Saadatnejadi**
    1. **Metro / SBCCOG Cooperative Agreement**– COOPERATIVE AGREEMENT NOT AVAILABLE FOR REVIEW YET. METRO ATTORNEYS WANT INTENT BETTER CLARIFIED AND WANT TWO SEPARATE AGREEMENTS – FUNDING AGREEMENT TO CONTINUE. CURRENT FUNDING AGREEMENT WOULD BE AN ATTACHMENT TO THE COOPERATIVE AGREEMENT. CHANGES WILL REQUIRE METRO CAPITAL PLANNING AND LEGAL STAFF TO REVIEW THE REVISED AGREEMENT AGAIN.
    2. **Metro Board motion to allow Measure R funds to be used as match to Metro Call for Projects funds and other funding sources** – METRO BOARD STAFF ARE PREPARING A BOARD ITEM FOR THE FEBRUARY BOARD CYCLE THAT WILL ALLOW US TO USE MEASURE R FUNDS TO BE USED AS A LOCAL MATCH IN THE CALL FOR PROJECTS. . NO DRAFT IS AVAILABLE YET.
    3. DOUG FAILING HAS A MEETING (1/10/12 @ 1 PM) WITH THE COGS TO EXPLORE MATCHING WITH FEDERAL FUNDS MATCHING WITH MEASURE R SUBFUNDS. METRO IS ANTICIPATING A WAVE OF FEDERAL FUND GRANT APPLICATION OPPORTUNITIES AND WANT TO GET AS MANY PROJECTS TOGETHER AS POSSIBLE. THE SBCCOG WOULD NEED TO IDENTIFY LEAD AGENCIES FOR THE APPLICATIONS THAT ARE ELIGIBLE AND WILLING TO RECEIVE FEDERAL FUNDS FOR TRANSPORTATION PROJECTS.
    4. **Construction Signage Update** – METRO IS CREATING GRAPHICS FOR 3 SIZES OF SIGNS – SINGLE POST, DOUBLE POST, AND BIGGER. MEASURE R NEEDS TO BE HIGHLIGHTED. SIGN GRAPHICS WILL BE PROVIDED BY METRO TO THE CITIES.

LEAVING ROOM FOR THE LEAD AGENCY TO INCLUDE THE SBCCOG AND CITY LOGOS ON THE METRO SIGN. DETAILED SPECIFICATIONS SHOULD BE READY BY THE END OF THE MONTH. CITY CAN HAVE A SEPARATE SIGN AS WELL.

5. **Metro Green Construction Policy Update** – NO NEW INFORMATION. OUTREACH HASN'T BEEN DECIDED AND OTHER INTERNAL ISSUES ARE BEING RESOLVED. POSSIBLE MEETING IN MID-JANUARY.
6. **Metro's Project Management Information Systems** - TRAINING IN FEBRUARY WITH ROLL-OUT IN MARCH. THEREFORE 1<sup>ST</sup> QUARTER REPORT WILL BE ON PAPER AND THEN AFTER THAT SHOULD BE ELECTRONIC
7. **Other Metro News** – MARCH METRO BOARD – UPDATE OF COG PROJECTS; MAY BOARD APPROVAL IS TARGET FOR BUDGET; AGREEMENT REACHED WITH CALTRANS ON THE 2 INTERCHANGE PROJECTS AND PSR/PR DOCUMENTS SHOULD BE COMPLETE BY END OF 2013. 1<sup>ST</sup> STEP OF ALTERNATIVES SCREENING ANALYSIS AND THEN DEVELOP DETAILS. ALSO WILL BE QUARTERLY MEETINGS REQUESTED BY TORRANCE. NEXT OVERSIGHT MEETING WILL INCLUDE A REPORT ON THE SCOPING DOCUMENTS FOR CALTRANS PROJECTS – NOW 2 PROJECTS RATHER THAN THE INITIALLY APPROVED 3 PROJECTS SINCE THE 2 I-110 PROJECTS ARE BEING COMBINED.

- C. **Caltrans** – ASSIGNED PROJECT MANAGERS FOR OUR STRATEGIC POSITIONING PROJECTS AND I.T.S. PROJECTS. METRO IS PREPARING A COOPERATIVE AGREEMENT FOR EACH OF THESE PROJECTS. MOUs WITH CALTRANS SHOULD BE DONE BEFORE JUNE – SPECIFIC DATE WILL BE PROVIDED AT NEXT MEETING.  
CALTRANS PROJECT MANAGERS: David – 182<sup>nd</sup> & Crenshaw; Gabe – I-110; Darek – I.T.S.

## VII. DISCUSSION ITEMS

- A. **Status of SBHP Project Funding Agreements** – (Attachment D) – Received and filed – ALL BUT 2 ARE SUBMITTED TO METRO. TASK ORDERS TO BE CLOSED OUT WITH ANY SURPLUSES TO BE RETURNED TO AVAILABLE FUNDING WITHIN THE ITERIS CONTRACT..

## VIII. ITERIS CONTRACT

**ACTION: Revised ITS Plan Scope of Work and Measure R South Bay Highway Program Strategic Element Scope of Work to be integrated into December 2012 Implementation Plan Update – Approve**

Task Order #7 and Task Order #8, the Revised ITS Plan Scope of Work and Strategic Element of SBHP Implementation Plan Scope of Work (Attachment E)

PURPOSE OF THE TASK ORDERS IS TO ADDRESS 2 AREAS RE: SUBREGIONAL PROGRAMS - ITS PLANS AND CONCEPT OF OPERATIONS (PRIORITIZING PROJECTS BASED ON SUBREGIONAL CONTEXT). THE ITS DOCUMENT IS MORE OF A DECISION MAKING TOOL. BOTH OF THESE SUBREGIONAL PLANS WILL BE INCORPORATED INTO THE SBHP IMPLEMENTATION PLAN UPDATE AND USED AS A MODEL BY METRO FOR OTHER REGIONS AND SUB-REGIONAL PLANS. **APPROVED ON A MOTION MOVED/SECONDED BY FRANKLIN/MITCHELL**

- B. **Direct contracts between SBCCOG and Iteris' sub-consultants** – 2 DIRECT CONTRACTS HAVE BEEN RECEIVED; 2 HAVE NOT.

- IX. **Three Month Look Ahead / Implementation Update Calendar** (Attachments F, G) – COOPERATIVE AGREEMENT: CHANGE TO MARCH FOR SBCCOG APPROVAL.

## X. GENERAL ASSEMBLY ANNOUNCEMENT

- XI. **QUESTION FROM CARSON** – ELIMINATION OF THE CARSON REDEVELOPMENT AUTHORITY WILL BE AFFECTING CARSON'S ABILITY TO DO THEIR WILMINGTON METRO CALL FOR PROJECTS PROJECT. THERE WAS \$9-10 MILLION OF RDA \$\$ IN IT. SBCCOG WILL CONSIDER PROJECT FUNDING ADJUSTMENTS FOR FULLY FUNDED PROJECTS IN JULY/AUGUST. NEED RIGHT OF WAY AND SHOULD HAVE IT BY JULY. CARSON IS ATTEMPTING TO KEEP THE RDA\$ BASED ON PRIOR CONTRACTS BEING EXECUTED COMMITTING THE FUNDING.
  
- XII. **Adjourn to next Measure R SBHP Oversight Committee Meeting** - February 13th, 10:30 AM – CHECK THE ADDRESS TO SEE WHERE THE MEETING WILL BE.

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## **Project 1**

**Project Assessment/Environmental Document (PAED) for construction of Auxiliary Lane on southbound I-110 from westbound SR-91 Connector from Torrance Boulevard off-ramp and possibly a new flyover ramp from northbound I-405 to southbound I-110 connector.**

### **Project Description:**

PAED for construction of Auxiliary Lane on southbound I-110 from westbound SR-91 Connector from Torrance Boulevard off-ramp and possibly a new flyover ramp from northbound I-405 to southbound I-110 connector.

### **Benefits:**

Improve traffic flow and traffic Circulation. Reduce energy consumption and congestion in the vicinity of the project.

### **Schedule:**

Project will begin on 04-01-2012

PAED: 6-30-2013 (Provided that there are not any R/W impacts for the preferred alternative)

### **Total Project Costs (Capital & Support):**

Estimated Support Costs: \$1,150,000 (PAED is 3% of total estimated project costs)

## **Project 2**

### **PAED for I-405 at 182nd /Crenshaw Improvements**

#### **Project Description :**

- 1) Widen northbound off-ramp to 182nd Street and modify signal at terminus.
- 2) Widen northbound on-ramp to two lanes, modify signal.
- 3) Construct a new southbound on-ramp from northbound Crenshaw.

#### **Benefits:**

Improve traffic flow and traffic Circulation. Reduce energy consumption and congestion in the vicinity of the project.

#### **Schedule:**

Project will begin on 04-01-2012

PAED completion: 6-30-2013 (Provided that there are not any R/W impacts for the preferred alternative)

#### **Total Project Costs (Capital & Support):**

Estimated Support Costs: \$1,700,000 (PAED is 3% of total estimated project costs)



NAVIGATION

- Member Login
- > Home
- > Project Background
- > Contacts
- > Project Lists



**Attachment C**



**South Bay Measure R Highway Program**  
**Project Management Information System (PMIS)**  
**Status and Proposed Reports**



December 2011

# Today's Agenda

- PMIS Objective
- Measure R Highway Program Categories
- Measure R Highway Program Tree
- Sample Report per Category
- Reporting Overview and Key Performance Measures
- PMIS Architecture
- Typical Reporting Overview
- Sample/Proposed Reports
- Next Steps

# PMIS Objective

- Provide the SBCCOG and its member agencies the ability to track progress on the South Bay Measure R Highway projects
- Provide SBCCOG Consultant (Iteris) access to PMIS and Reports to monitor project progress and risk
- Store data in a centralized Project Management database which can be accessed remotely
- Utilize the Oracle (Primavera) project management tool or any project management tool Metro has in place
- Monitor the program/projects:
  - Budget, Schedule, Earned Value, Health of project/program, Cost across the Projects, Tasks and etc.
- Provide cost effective way for agencies to comply with funding agreement reporting requirement

# SBCCOG Project Categories



## **Category 0 - Fully Funded Program**

Projects with sufficient funds to complete project development and construction without the need for South Bay Measure R Highway Program

## **Category 1 - Early Action Program**

Projects that will be fully funded for project development and construction during the first five years of the South Bay Measure R Highway Program with Measure R and other funding

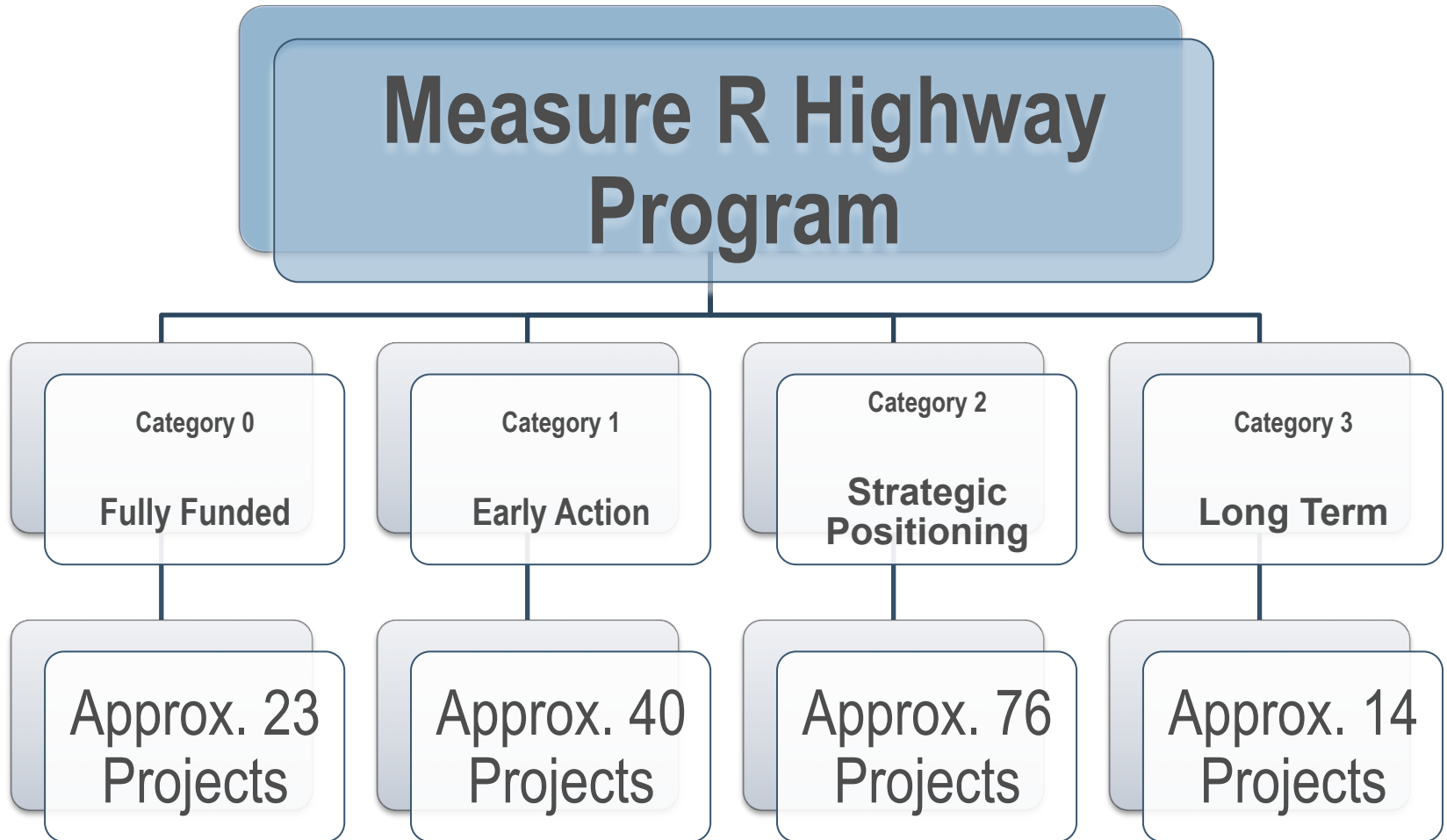
## **Category 2 - Strategic Positioning Program**

Projects that will be funded with a mixture of Measure R funds and other funds beyond the first five years of the South Bay Measure R Highway Program but that will require Measure R project development funding during first five years of the Program

## **Category 3 - Long Term Programs**

Projects that exceed \$40 million and will be funded with a mixture of Measure R funds and other funds beyond the first five years of the South Bay Measure R Highway Program that will require Measure R project development funding during first five years of the Program

# Measure R HWY Program Tree



# Fully Funded Projects



Project ID	Project Name	Start	Finish	Current Budget	Project Type	Project Location	Lead Agency	Project Status
<b>Measure R SBCCOG</b>		<b>01-Jun-11</b>	<b>19-Nov-13</b>	<b>\$0.00</b>				
<b>Fully Funded Projects</b>		<b>01-Jun-11</b>	<b>19-Nov-13</b>	<b>\$125,411,759.00</b>				
F-27	I-405 Interchange Improvements	01-Jun-11	13-Dec-12	\$19,300,000.00	RMP	CT	CT	UC
F-28	I-405 Ramp Modification	13-Jun-11	05-Mar-13	\$29,000,000.00	RMP	CRS	CT	DSN
F-30	I-105 Interchange Studu (at LAX)	01-Jun-11	21-Feb-13	\$400,000.00	RMP	SGD	CT	PSR
F-57	Artesia Blvd ITS projects	01-Jun-11	21-Feb-13	\$2,000,000.00	ITS	COU	COU	
N-20	Inglewood Ave Capacity Enhancement	01-Jun-11	21-Feb-13	\$3,200,000.00	INT	LWN	LWN	DSN
N-21	Inglewood Ave Phase 2 - Capacity Improvement	01-Jun-11	21-Feb-13	\$1,300,000.00	ART	LWN	LWN	DC
N-23	Inglewood Ave - Capacity Enhancing	01-Jun-11	19-Nov-13	\$3,167,912.00	ART	LWN	LWN	ROW
N-30	Del Amo Blvd Construction Project	01-Jun-11	13-Dec-12	\$19,200,000.00	ART	TRC	TRC	ADC
N-35	Systemwide ITS improvements	01-Jun-11	21-Feb-13	\$1,363,351.00	ITS	COU	TRC	PD
N-36	System-wide ITS Improvement	01-Jun-11	21-Feb-13	\$1,731,500.00	ITS	COU	COU	DSN
N-37	2009 CFP Systemwide ITS Improvements	01-Jun-11	21-Feb-13	\$2,219,314.00	ITS	COU	COU	DSN
N-38	LAX Area - Bottleneck improvements	01-Jun-11	21-Feb-13	\$2,480,000.00	ART	SGD	MTR	CPT
N-45	Avalon Blvd Traffic Signal Upgrade	01-Jun-11	21-Feb-13	\$3,426,000.00	ITS	CRS	COU	PD
N-5	Manchester Blvd - ITS Projects	01-Jun-11	21-Feb-13	\$2,000,000.00	ITS	ING	COU	
N-52	Crenshaw Blvd Traffic Signal Upgrade	01-Jun-11	21-Feb-13	\$2,777,000.00	ITS	COU	COU	DSN
N-56	Aviation Blvd Traffic Signal Upgrade	01-Jun-11	21-Feb-13	\$1,844,000.00	ITS	COU	COU	DSN
N-59	Rosecrans Ave Traffic Signal Upgrade	01-Jun-11	21-Feb-13	\$2,070,000.00	ITS	HWT	COU	PD
N-63	El Segundo Blvd Traffic Signal Upgrade	01-Jun-11	21-Feb-13	\$2,664,500.00	ITS	SGD	COU	PD
N-64	Imperial Hwy Traffic Signal Upgrade	01-Jun-11	21-Feb-13	\$2,278,000.00	ITS	ING	COU	PD
N-69XXX	Various ITS	01-Jun-11	19-Nov-13	\$2,333,000.00	ITS	LA	LA	PD
N-7	Florence Ave Reconfiguration Project	01-Jun-11	21-Feb-13	\$4,091,404.00	ART	ING	ING	PD
N-8	Le Brea Ave - Reconfigure from six-leg to "T" Intersection	01-Jun-11	22-May-13	\$9,970,000.00	ART	ING	ING	PD
P-3	Redondo Beach Regional Transit Construction	01-Jun-11	21-Feb-13	\$6,595,778.00	PRK	RDO	RDO	DC
<b>Category 1 Early Action Program</b>				<b>\$162,199,895.00</b>				
<b>Category 2 Strategic Positioning Program</b>				<b>\$328,195,500.00</b>				
<b>Category 3 Long Term Program</b>				<b>\$100,000,000.00</b>				

Project Type Code	
ART	Arterial
ITS	Intelligent Transportation Systems
RMP	On/Off Ramp
PRK	Park and Ride
INS	Intersection
INT	Interchange
AUX	Auxiliary
Project Location / Lead Agency Code	
TRC	City of Torrance
COU	LA County
LA	City of LA
CT	Caltrans
MTR	Metro
SGD	City of El Segundo
HRM	City of Hermosa Beach
MTN	City of Manhattan Beach
HWT	City of Hawthorne
ING	City of Inglewood
SBC	SBCCOG
LWN	City of Lawndale
CRS	City Carson
GRD	City of Gardena
RDO	City of Redondo Beach
LMT	City of Long Beach
Project Status Code	
ADC	Advertised for Construction
DSN	In Design
UC	Under Construction
PD	Preliminary Design
CPT	Concept
DC	Design Complete
PSR	Project Study Report
PDC	Preliminary Design Complete
ROW	Concept-ROW Needed



# Category 1 Projects



Project ID	Project Name	Start	Finish	Current Budget	Project Type	Project Location	Lead Agency	Project Status
<b>Measure R</b>	<b>SBCCOG</b>	01-Jun-11	21-Feb-13	\$0.00				
<b>Fully Funded</b>	<b>Projects</b>	01-Jun-11	21-Feb-13	\$125,411,759.00				
<b>Category 1</b>	<b>Early Action Program</b>			\$162,199,895.00				
F-11	Rosecrans Blvd Widening Project			\$3,500,000.00	ART	HWT	HWT	DSN
F-2	I-405 - Improve Radii at NB Manchester			\$186,000.00	RMP	ING	ING	CPT
F-29	I-405 and Arterial Roadways ITS Integration			\$7,000,000.00	ITS	COU	SBC	CPT
F-39	Sepulveda Blvd (Imperial Hwy to El Segundo Blvd)			\$400,000.00	ART	SGD	SGD	CPT
F-40	Sepulveda Blvd - Study Improvements Implementati...			\$1,500,000.00	ART	MTN	MTN	CPT
F-41	Sepulveda Blvd Widening Bridge 53-62			\$19,829,645.00	ART	MTN	MTN	PD
F-42	Sepulveda Blvd - Westbound Dual left turn			\$500,000.00	INS	MTN	MTN	ROW
F-43	Sepulveda Blvd Add NB, WB and EB Right turn			\$1,480,000.00	INT	MTN	MTN	CPT
F-44	PCH - Add SB Dual Left Turn			\$1,000,000.00	INT	HRM	HRM	CPT
F-45	PCH - Study Improvements Implementation (Artesia ...			\$240,000.00	ART	HRM	HRM	CPT
F-46	PCH - Study Improvements Implementation (Anita to...			\$1,400,000.00	ART	RDO	RDO	CPT
F-47	PCH - Add northbound right lane			\$585,000.00	INS	RDO	RDO	CPT
F-48	PCH - Install WB Right-Turn Lane			\$320,000.00	INT	RDO	RDO	CPT
F-49	PCH - Study Improvements Implementation (Palos V...			\$1,840,000.00	ART	TRC	TRC	CPT
F-51	PCH Add NB, WB and EB Right Turn			\$19,600,000.00	INT	TRC	TRC	PSR
F-60	Coordinate Freeway Ramp/Arterial Intersections			\$5,000,000.00	ITS	COU	CT	CPT
FN-1	PCH North Traffic Signal Improvements			\$6,000,000.00	ITS	COU	CT	CPT
FN-2	PCH South Traffic Signal Improvements			\$3,000,000.00	ITS	COU	CT	CPT
N-13	Aviation Blvd - Add Dual left turn			\$1,500,000.00	INS	MTN	MTN	PD
N-14	Aviation Blvd Construction (westbound right turn lane)			\$900,000.00	INS	HWT	HWT	ROW
N-17	Aviation Blvd Construction (eastbound right lane)			\$22,000.00	INS	RDO	RDO	CPT
N-18	Inglewood Ave - Add Southbound right-turn			\$5,175,000.00	INT	RDO	RDO	PD
N-19	Inglewood Ave - Install Eastbound Right-Turn			\$30,000.00	INT	RDO	RDO	CPT
N-22	Inglewood Ave - Extension of Phase 2 Widening			\$500,000.00	ART	LWN	LWN	CPT
N-25	Various Citywide Traffic Signal Improvements			\$1,500,000.00	ITS	LWN	LWN	CPT
N-26	Hawthorne Blvd - Improve Traffic Signals			\$7,000,000.00	ART	HWT	HWT	CPT
N-32	Del Amo Blvd Reconstruction and Widening Project			\$29,920,250.00	ART	COU	COU	PD
N-34	Sepulveda Blvd - Widen from 4 lanes to six lanes			\$6,000,000.00	ART	CRS	CRS	PD
N-42	Rosecrans Install Median			\$5,140,000.00	ART	GRD	GRD	PSR
N-46	Vista Del Mar - Roadway Safety Improve turn radii			\$1,500,000.00	ART	SGD	SGD	CPT
N-47	Maple Ave - Add Southbound Right-turn			\$600,000.00	INT	TRC	TRC	CPT
N-53	Artesia Blvd - Add Westbound Duall Left Turn			\$675,000.00	INT	GRD	GRD	CPT
N-57	Aviation Blvd Construction (southbound right lane)			\$1,500,000.00	INS	MTN	MTN	CPT
N-58	Aviation Blvd Construction (northbound right lane)			\$847,000.00	INS	RDO	RDO	ROW
N-6	Inglewood Phase 4 ITS MAster Pain			\$2,000,000.00	ITS	ING	ING	PD
N-67	Vermont Ave - Addition of turn pocket			\$2,350,000.00	ART	GRD	GRD	CPT
N-69	Maple Ave - Improve signage and roadway			\$2,500,000.00	ART	SGD	SGD	CPT
P-4	Torrance Regional Transit Center			\$21,000,000.00	PRK	TRC	TRC	DSN
<b>Category 2</b>	<b>Strategic Positioning Program</b>			\$328,195,500.00				
<b>Category 3</b>	<b>Long Term Program</b>			\$100,000,000.00				

Project Type Code	
ART	Arterial
ITS	Intelligent Transportation Systems
RMP	On/Off Ramp
PRK	Park and Ride
INS	Intersection
INT	Interchange
AUX	Auxiliary

Project Location / Lead Agency Code	
TRC	City of Torrance
COU	LA County
LA	City of LA
CT	Caltrans
MTR	Metro
SGD	City of El Segundo
HRM	City of Hermosa Beach
MTN	City of Manhattan Beach
HWT	City of Hawthorne
ING	City of Inglewood
SBC	SBCCOG
LWN	City of Lawndale
CRS	City Carson
GRD	City of Gardena
RDO	City of Redondo Beach
LMT	City of Lomita

Project Status Code	
ADC	Advertised for Construction
DSN	In Design
UC	Under Construction
PD	Preliminary Design
CPT	Concept
DC	Design Complete
PSR	Project Study Report
PDC	Preliminary Design Complete
ROW	Concept-ROW Needed



# Category 2 Projects



Project ID	Project Name	Start	Finish	Current Budget	Project Type	Project Location	Lead Agency	Project Status
<b>Measure R SBCCOG</b>				\$0.00				
<b>Fully Funded Projects</b>				\$125,411,759.00				
<b>Category 1 Early Action Program</b>				\$162,199,895.00				
<b>Category 2 Strategic Positioning Program</b>				\$328,195,500.00				
F-1	I-405 Widen SB I-405 on-ramp			\$13,000,000.00	RMP	ING	CT	CPT
F-10	I-405 Widen Southbound off-ramp to Rosecrans			\$13,000,000.00	RMP	HWT	CT	PD
F-14	I-405 Widen Northbound loop on-ramp			\$13,000,000.00	RMP	RDO	CT	CPT
F-15	I-405 - Widen SB on-ramp			\$10,000,000.00	RMP	RDO	CT	CPT
F-17	I-405 - Ramp upgrade			\$13,000,000.00	RMP	LWN	CT	CPT
F-19	I-405 - Add third lane to NB off-ramp			\$13,000,000.00	RMP	TRC	CT	CPT
F-20	I-405 - at Crenshaw Improvements - Widen NB on-ramp			\$13,000,000.00	RMP	TRC	CT	PSR
F-21	I-405 at 182nd and Crenshaw Improvements			\$3,500,000.00	RMP	TRC	CT	PSR
F-22	Crenshaw Blvd - Improvements			\$17,500,000.00	INT	TRC	TRC	CPT
F-23	I-405 - at Crenshaw Add new SB on-ramp			\$13,000,000.00	RMP	TRC	CT	ROW
F-24	I-405 - Widen SB on-ramp at 190th street			\$13,000,000.00	RMP	TRC	CT	CPT
F-25	I-405 - Add NB Auxiliary LAne to Western Ave off-ramp			\$20,000,000.00	AUX	TRC	CT	CPT
F-2xxx	I-405 - Widen NB off-ramp (Close to Ash)			\$20,000,000.00	RMP	ING	CT	PD
F-3	Manchester Blvd - Channelize the raised median			\$330,000.00	ART	ING	ING	CPT
F-31	I-105 - Add WB Auxiliary Lane			\$13,000,000.00	AUX	HWT	CT	CPT
F-32	I-105 - Add WB Auxiliary Lane			\$30,000,000.00	AUX	HWT	CT	CPT
F-33	I-105 - Add EB Auxiliary Lane			\$29,000,000.00	AUX	HWT	CT	CPT
F-37	I-110 - Widen SB off ramp			\$15,000,000.00	RMP	COU	CT	CPT
F-38	I-110 Widened SB from 3 lanes to 4			\$15,000,000.00	AUX	COU	CT	CPT
F-50	PCH - Restripe to add Southbound through lanes			\$1,900,000.00	INT	TRC	CT	PD
F-52	PCH - Add a second SB left-turn lane			\$11,750,000.00	INS	TRC	TRC	PD
F-55	Western Ave - Add Northbound Left-turn lane			\$2,100,000.00	INT	TRC	TRC	PD
F-59	Grant Ave - Coordinante Signal Timing			\$450,000.00	ITS	RDO	RDO	CPT
F-64	Hawthorne Blvd - Pavement rehabilitation			\$25,000,000.00	ART	TRC	TRC	CPT
F-7	I-405 - Add NB Lane			\$20,000,000.00	AUX	HWT	CT	CPT
F-9	I-405 Widen Northbound off-ramp			\$13,000,000.00	RMP	HWT	CT	CPT
N-1	La Cienega - Improve turn radii			\$547,000.00	INS	ING	ING	CPT
N-12	Aviation Blvd - Add dual SB left-turn lanes			\$1,500,000.00	INS	SGD	SGD	PD
N-15	Inglewood Ave Upgrade Signals			\$3,000,000.00	ART	HWT	HWT	CPT
N-2	La Cienega Blvd Improve turn radii and through lane			\$422,000.00	INS	ING	ING	CPT
N-24	Rosecrans Ave - Traffic Signal Improvements			\$1,400,000.00	ART	LWN	LWN	CPT
N-27	190th Street - Add Dual NB right-turn lanes			\$600,000.00	INS	TRC	TRC	CPT
N-28	190th Street - Widen Signalized intersections			\$1,200,000.00	INS	TRC	TRC	CPT
N-29	190th Street - Reconstruct Intersection			\$900,000.00	INS	TRC	TRC	CPT
N-31	Del Amo Blvd Construction Project			\$8,000,000.00	ART	LA	LA	PDC
N-33	Sepulveda Blvd - Improvements to the intersection			\$500,000.00	INS	CRS	CRS	CPT
N-39	Century Blvd - Raised Median			\$34,600,000.00	ART	ING	ING	DSN
N-40	El Segundo Blvd - Upgrade Signals			\$3,000,000.00	ART	HWT	HWT	CPT

Project Type Code	
ART	Arterial
ITS	Intelligent Transportation Systems
RMP	On/Off Ramp
PRK	Park and Ride
INS	Intersection
INT	Interchange
AUX	Auxiliary

Project Location / Lead Agency Code	
TRC	City of Torrance
COU	LA County
LA	City of LA
CT	Caltrans
MTR	Metro
SGD	City of El Segundo
HRM	City of Hermosa Beach
MTN	City of Manhattan Beach
HWT	City of Hawthorne
ING	City of Inglewood
SBC	SBCCOG
LWN	City of Lawndale
CRS	City Carson
GRD	City of Gardena
RDO	City of Redondo Beach
LMT	City of Lomita

Project Status Code	
ADC	Advertised for Construction
DSN	In Design
UC	Under Construction
PD	Preliminary Design
CPT	Concept
DC	Design Complete
PSR	Project Study Report
PDC	Preliminary Design Complete
ROW	Concept-ROW Needed





# Category 3 Projects



Project ID	Project Name	Start	Finish	Current Budget	Project Type	Project Location	Lead Agency	Project Status
<b>Measure R SBCCOG</b>				\$0.00				
<b>Fully Funded Projects</b>				\$125,411,759.00				
<b>Category 1 Early Action Program</b>				\$162,199,895.00				
<b>Category 2 Strategic Positioning Program</b>				\$328,195,500.00				
<b>Category 3 Long Term Program</b>				\$100,000,000.00				
B-2	I-105/I-405 HOV Connector (SB/NB)			\$0.00	INT	HWT	CT	CPT
F-12	I-405 Add NB Auxiliary lane			\$0.00	AUX	HWT	CT	CPT
F-13	I-405 - Add SB Auxiliary lane			\$0.00	AUX	HWT	CT	CPT
F-16	I-405 - Add northbound auxiliary lane			\$0.00	AUX	LWN	CT	CPT
F-18	I-405 Add NB Auxiliary lane			\$0.00	AUX	LWN	CT	CPT
F-26	I-405 Widen from 3 to 4 lanes			\$0.00	INT	LA	CT	CPT
F-34	I-105/I-405 HOV Connector (SB/WB)			\$100,000,000.00	INT	HWT	CT	CPT
F-35	i-105 - Add HOV lane			\$0.00	INT	HWT	CT	CPT
F-36	I-110 - Add new HOV lane			\$0.00	INT	COU	CT	CPT
F-4	I-405 - Add SB Auxiliary lane			\$0.00	AUX	ING	CT	CPT
F-5	I-405 - Add SB Auxiliary Lane			\$0.00	AUX	ING	CT	CPT
F-58	I-405 - Construct new Northbound I-405 to SB I-110 conne...			\$0.00	INT	COU	CT	CPT
N-10	Aviation Blvd - Widen Roadway			\$0.00	ART	COU	COU	PD
N-3	La Cienega Blvd - Expressway			\$0.00	ART	ING	ING	CPT

Project Type Code	
ART	Arterial
ITS	Intelligent Transportation Systems
RMP	On/Off Ramp
PRK	Park and Ride
INS	Intersection
INT	Interchange
AUX	Auxiliary

Project Location / Lead Agency Code	
TRC	City of Torrance
COU	LA County
LA	City of LA
CT	Caltrans
MTR	Metro
SGD	City of El Segundo
HRM	City of Hermosa Beach
MTN	City of Manhattan Beach
HWT	City of Hawthorne
ING	City of Inglewood
SBC	SBCCOG
LWN	City of Lawndale
CRS	City Carson
GRD	City of Gardena
RDO	City of Redondo Beach
LMT	City of Lomita

Project Status Code	
ADC	Advertised for Construction
DSN	In Design
UC	Under Construction
PD	Preliminary Design
CPT	Concept
DC	Design Complete
PSR	Project Study Report
PDC	Preliminary Design Complete
ROW	Concept-ROW Needed



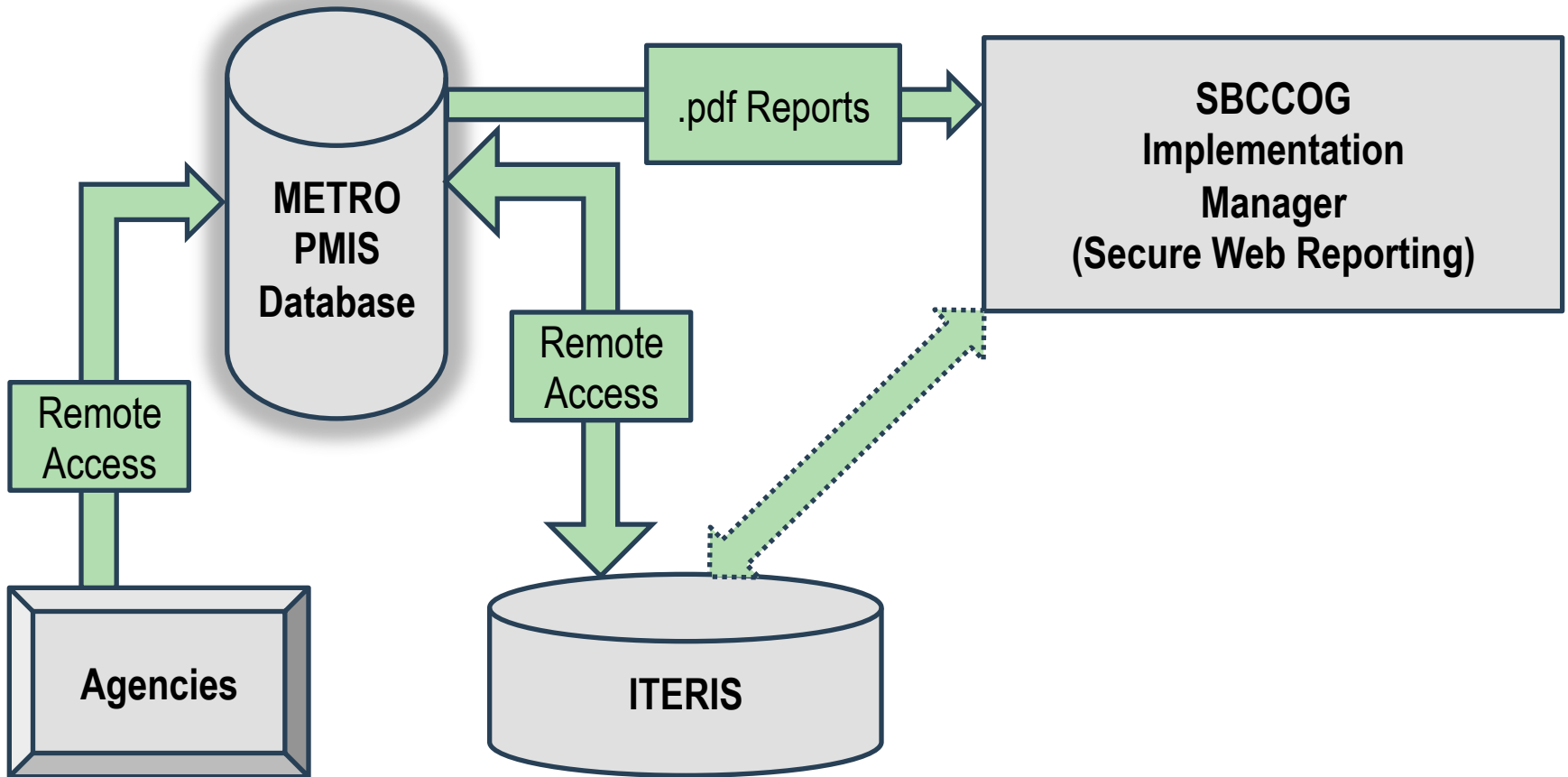
# Reporting Overview

- Create (.pdf) reports for Measure R program (SBCCOG) rather than direct access to the database
- The reports typically display:
  - List of Tasks, Cost, Activity Duration, Remaining Duration, Percent Complete, Activity Name, Start and Finish Dates and etc.
- There are many methods to present the schedule:
  - Typical Layouts, Custom Layouts and etc.
- Sample to be discussed in later slides

# Reporting Process

- Agencies report on monthly/quarterly basis
- Agencies input data into the PMIS database (Remote Access) in accordance with MOU' s
- Output → Reports for Metro, Agencies, SBCCOG and Consultant

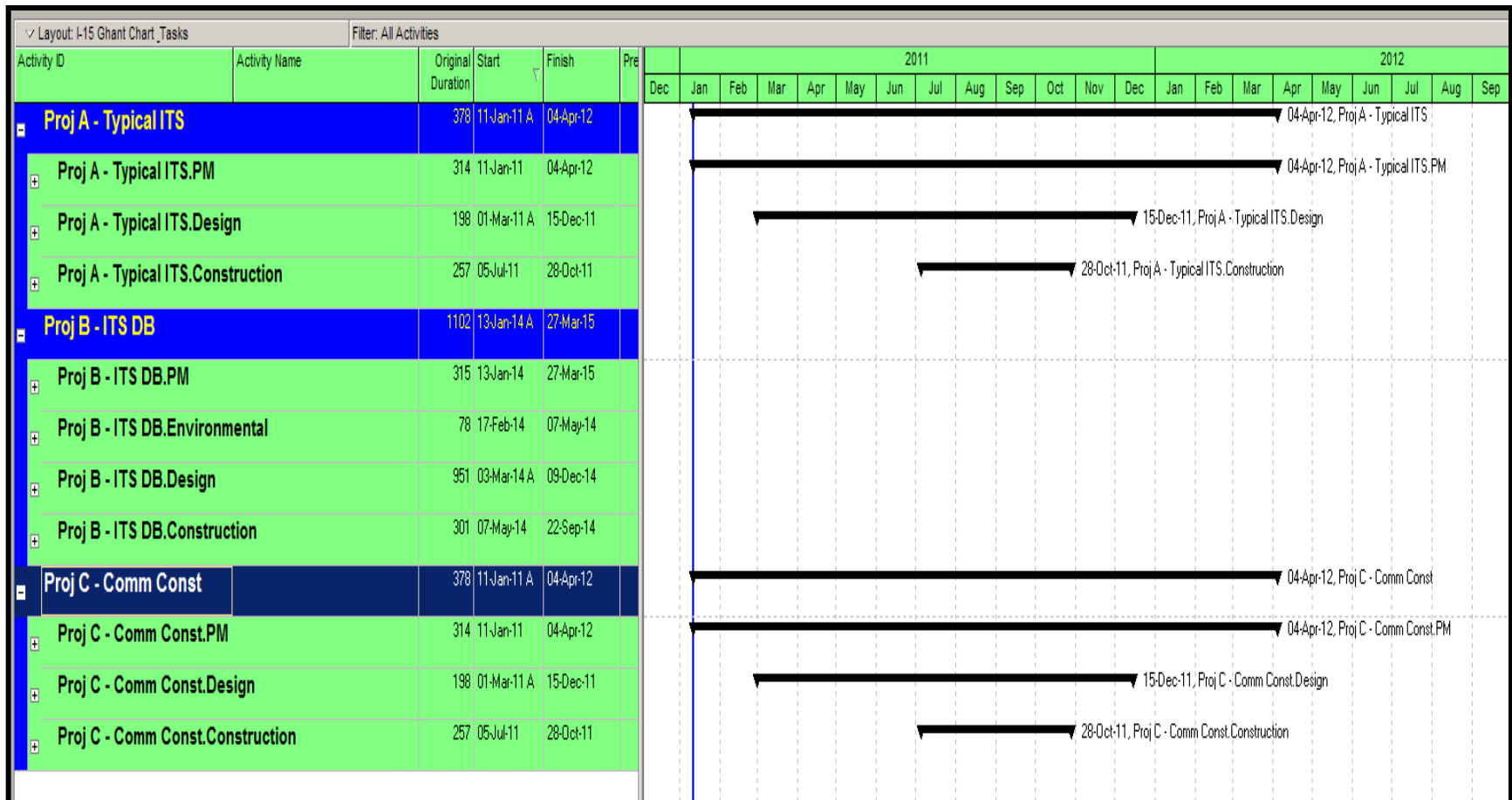
# PMIS Architecture



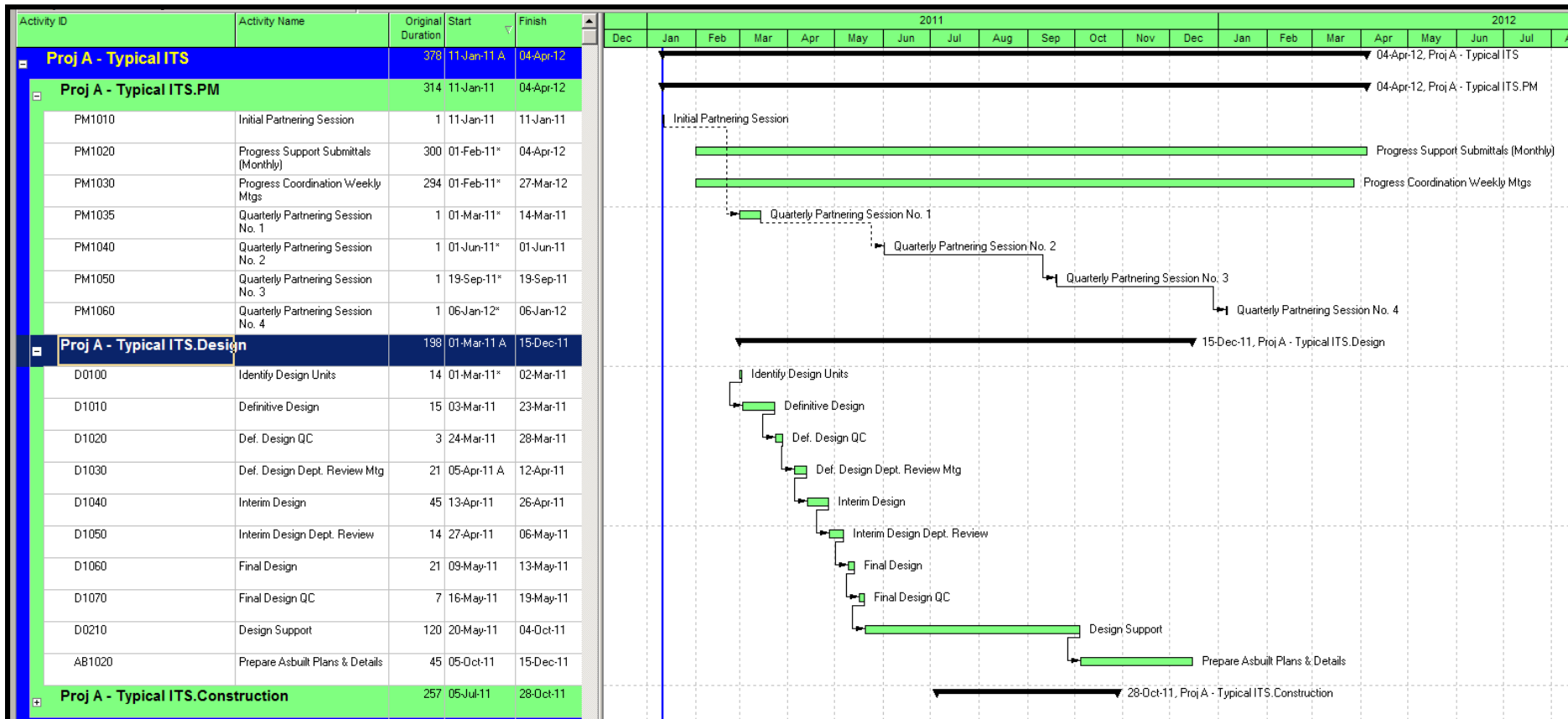
# Sample/Proposed Reports

# Typical ITS Projects

- PMIS reporting will show progress against baseline



# Typical ITS Project Gantt Chart







# Sample 5-Yr Budget Summary Report



## Project Budget Annual Summary Report

Five Year - Budget Summary Annual Report

Project ID	Project Name	Lead Agency	Total Budget	FY 2011 - 2012				FY 2012 - 2013				FY 2013 - 2014				FY 2014 - 2015				FY 2015 - 2016				Total 5-Year	Total Remaining
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
A-1																									
A-2																									
A-3																									
AX-99																									
Total																									

## Current Fiscal Year – Budgeted Vs Actual

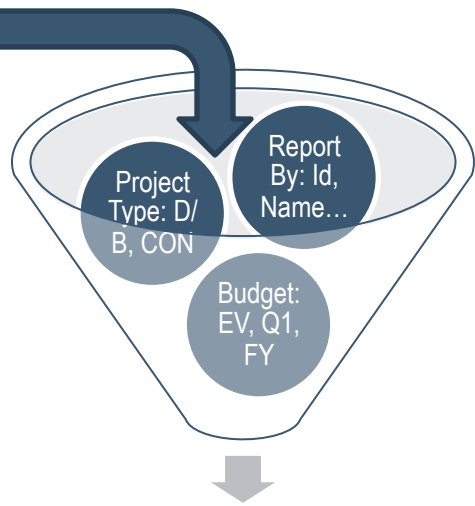
Current Fiscal Year - Budget Vs. Actual Summary Report

Project ID	Project Name	Lead Agency	Total Budget	Quarter 1			Quarter 2			Quarter 3			Quarter 4			To Date Total			KPI			
				Budgeted	Actual	Delta	Budgeted	Actual	Delta	Budgeted	Actual	Delta	Budgeted	Actual	Delta	Budgeted	Actual	Delta	EV	CPI	SPI	Health
A-1																						
A-2																						
A-3																						
AX-99																						
Total																						






# Report Filtering Options

Project ID	Project Name	Lead Agency	Total Budget
A-1			
A-2			
A-3			
AX-99			



# Key Performance Measures

- Earned Value
- Agency provides % complete per task
  - PMIS Derives measures such as:
    - » Earned Value
    - » Variance with schedule
    - » Variance with budget
- Legend
  - Critical 
  - At Risk 
  - On Track 

# Project Level Status

## ALL Project Status

Project ID	Project Name	Lead Agency	Total Budget	Actual Start	Projected Finish	Expenditure To Date			KPI			
						Budgeted	Actual	Delta	EV	CPI	SPI	Health
A-1												
A-2												
A-3												
AX-99												
Total												

## Individual Project Status

Project ID	Project Name	Lead Agency	Total Budget	Actual Start	Projected Finish	Expenditure To Date			KPI			
						Budgeted	Actual	Delta	EV	CPI	SPI	Health
A-1												
Total												

## Top Level Task Status

Top Level Task	Description	Task Budget	Notes	Actual Start	Projected Finish	Expenditure To Date			KPI			
						Budgeted	Actual	Delta	EV	CPI	SPI	Health
Task 100												
Task 200												
Task 300												
Task 999												
Total												

## Expanded Task Level Status

Expanded Level Task	Description	Task Budget	Notes	Actual Start	Projected Finish	Expenditure To Date			KPI			
						Budgeted	Actual	Delta	EV	CPI	SPI	Health
Task 101												
Task 102												
Task 201												
Task 999												
Total												

# Project Status Report

## Project Status Report

<b>Project ID</b>	
<b>Project Name</b>	
<b>Lead Agency</b>	
<b>Total Budget</b>	
<b>Actual Start</b>	
<b>Projected Finish</b>	
<b>Expenditure To Date</b>	
Budgeted	
Actual	
Delta	
<b>KPI</b>	
EV	
CPI	
SPI	
Health	
<b>RFI</b>	
<b>Per Task</b>	
<b>Sub-Task</b>	

# Expenditure Status Report



Expenditure Status Report (Per Project, Per Task and Per Sub-Task)

Project ID	Project Name	Lead Agency	Total Budget	Actual Start	Baseline End	Current Period		Expenditure To Date	CTC	CAC	Est. Completion Date	Delta in Schedule
						Baseline	Actual					
A-1												
A-2												
A-3												
AX-99												
<b>Total</b>												

Baseline ==> Base Schedule (Fixed)

Budget ==> Base Budget (Fixed)

Actual ==> Monthly update

Projected ==> Monthly Update



# Next Steps

- Identification of Project Control Manager (Point of Contact)
- Who will maintain/update the program/projects?
  - Frequency of update
- Remote Access
  - Agencies, Caltrans, Iteris, SBCCOG
  - License
  - Training
  - Certifications
  - Security and Access Level
- What is Metro's preference/requirement on how often to update the schedules?
- PMIS Status ...

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NAVIGATION

- Member Login
- > Home
- > Project Background
- > Contacts
- > Project Lists



**Attachment D**



**South Bay Measure R Highway Program**  
**Measure R Oversight Committee**  
**Training Workshops Overview**



February 13, 2012

# List of Workshops



- 3 4-hour workshops for SBCCOG Agencies
- Agency Training (Iteris)
  - Agency upper management
  - To coincide with MTA PMIS system availability (estimated to be late March)
- Risk Management (InfraConsult)
  - Agency Senior Management and Project Managers
  - One month after Agency Training
- Best Practices (System Metrics Group)
  - Agency Senior Management and Project Managers
  - One month after Risk Management

### **Agency Training (Iteris)**

- Workshop Purpose
- Program Overview
- Roles and responsibilities
- Project Oversight
- Reporting
- Implementation Plan Update
  
- “No Policing” We are here to help

### **Risk Management (InfraConsult) “What to Do”**

- FTA/FHWA/Caltrans Guidelines
  - PAED/PSR
  - ITS projects
  - Design Process
  - Design and Construction
  - Design Build and etc.
- Reporting Process
- Program Management Tasks
- Dealing with Consequences

### **Best Practices (System Metrics Group) “How to do it”**

- Process Execution
  - PAED/PSR - as applied to different contract types of projects
    - ITS
    - Ramp Improvement
    - D/B
    - Etc.
- Project Execution
  - Communications
    - SBCCOG, MTA, LA, CT, County
  - Champions
  - Early identification of problems
  - Schedule adherence
  - Look ahead
  - Change Order and Program Management Tasks
- Proactive vs. Reactive

# Agency Training Agenda

- Workshop Purpose
- Program Overview
- Roles and responsibilities
- Implementation Plan Update
- Project Reporting and Monitoring
- Project Oversight
- Risk Management
- Best Practices

# Workshop Purpose

- Understand Program Management within Measure R SBHP Program
- Understand Roles and Responsibilities of parties involved
- Understand Funding Constraints



### TASK 4



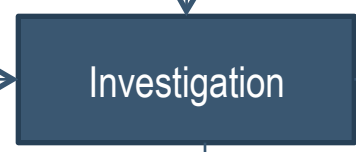
### TASK 5



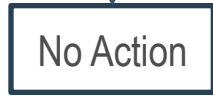
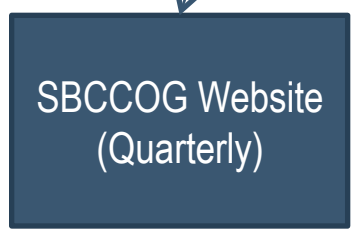
### TASK 6



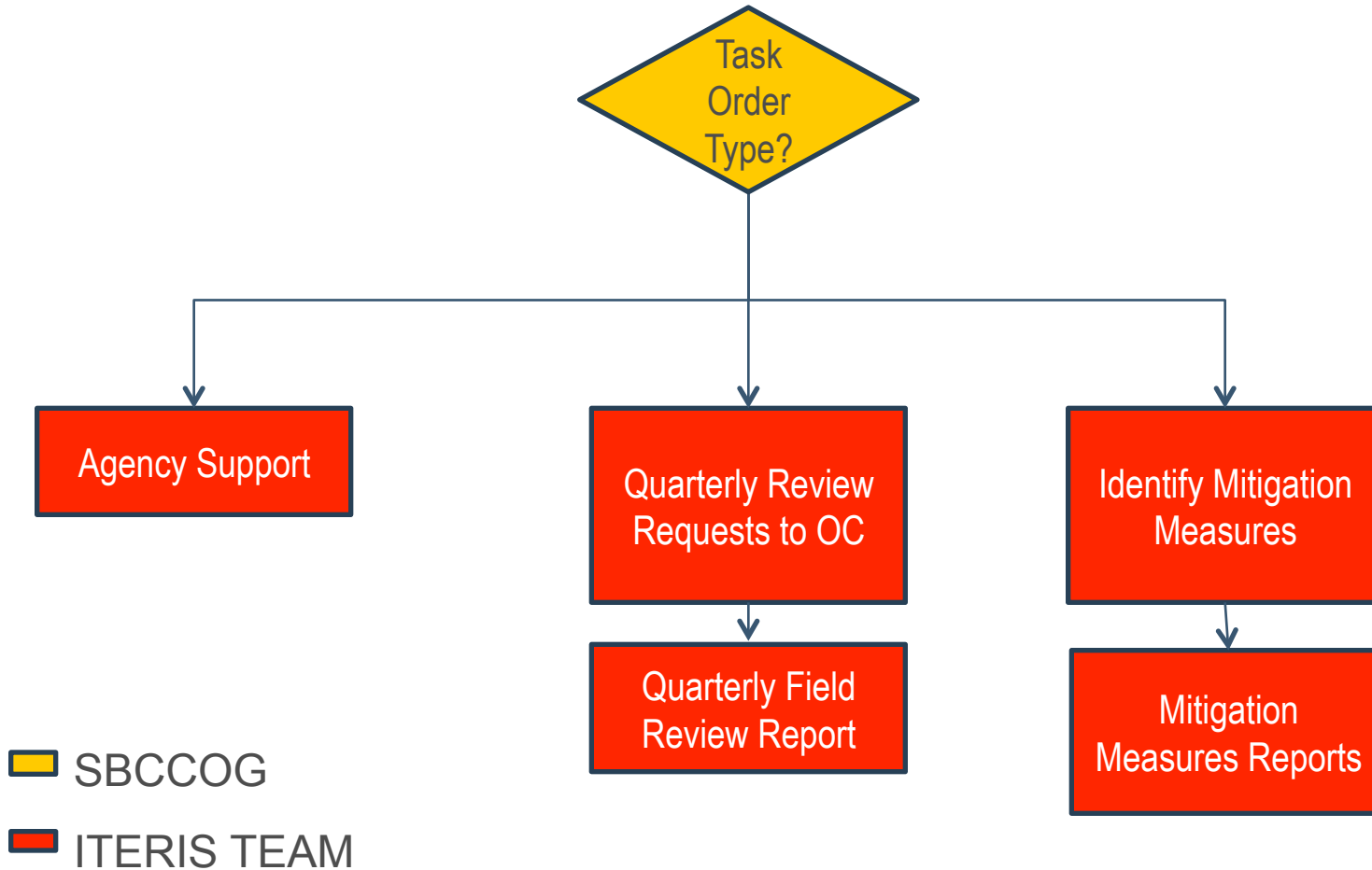
PMIS Input



PMIS Output

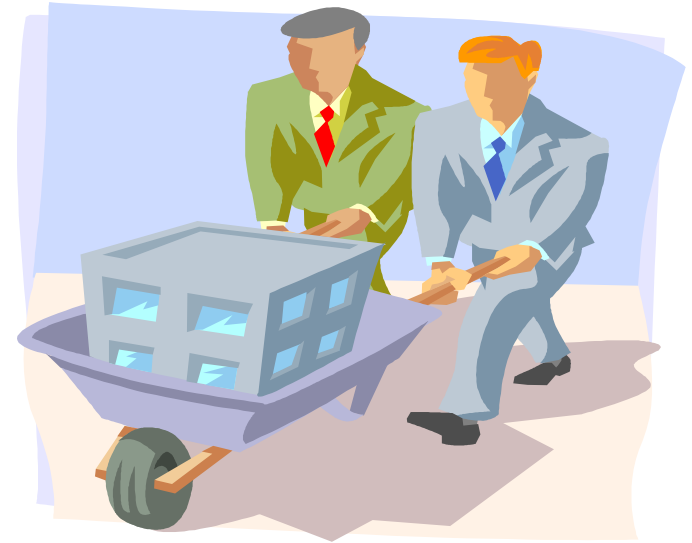


- ITERIS
- JACOBS
- LEAD AGENCY
- SYSTEM
- SBCCOG



# Roles and Responsibilities

- SBCCOG
  - Board
  - Board's Measure R Committee
  - Infrastructure Working Group
  
- METRO
  - Staff
  - Board
  
- Project Lead Agencies (i.e.: SB Cities, Caltrans, LA County)
  
- Iteris Team





# Funding Constraints

- Measure R South Bay Subfund description
- Measure R subfund project eligibility requirements
- SBCCOG / Metro programming process for Measure R
- SBHP Early Action Projects were 100% funded using Measure R Subfunds; must be completed within 5 years of executing Funding Agreement; match requirements not yet determined for future SBHP projects
- Projects on SBHP Fully Funded List may seek Measure R Subfunds from the SBCCOG and Metro if other project funding is lost through no fault of the lead agency
- Subfunds may provide half of funding needed for 30-year estimated SBHP program
- COGs with Measure R Subfunds are seeking Metro Board approval for subfunds to be an eligible local match source in Metro Call for Projects
- Regional Congestion Mitigation Fees might provide match



# Project Oversight

- Responsibility of Each Agency on Project Oversight
  - SBCCOG
  - METRO
  - Iteris
  - Jacobs
  
- Conflict of Interest Prevention & Resolution

# Reporting

- Funding Agreement Requirements
- Reporting process (Paper and Electronic)
- Updates of Project Progress
- Reporting Structure
  - Additional information in “Best Practices”



# Funding Agreement Requirements

## ■ What needs to be submitted

LACMTA  
(FA) Interstate 405, I-110, I-105, and SR-91 Ramp and Interchange Improvements (South Bay) Funding Agreement - ATTACHMENT D1  
MONTHLY PROGRESS REPORT

Grantee To Complete	
Invoice #	
Invoice Date	
FA#	MR312-20
Monthly Report #	1

GRANTEES ARE REQUESTED TO MAIL THIS REPORT TO  
P.O. Box #512296, Los Angeles, CA 90051-0296 after the close  
of each month. Please note that letters or other forms  
of documentation may not be substituted for this form. Refer to the  
Reporting and Expenditure Guidelines (Attachment D) for further information.

### SECTION 1: GENERAL INFORMATION

PROJECT TITLE: N58-Aviation Boulevard at Artesia Boulevard Intersection Improvements

FA #: MR312-20

MONTHLY REPORT SUBMITTED FOR: Month: October Year: 2011

DATE SUBMITTED: 11/1/2011

LACMTA Area Team Representative / Project Mgr.	Name:	Fulgenc Asundion
	Department:	Highway Program
	Phone Number:	213.922.3205
	e-mail:	<a href="mailto:fasundion@lacmta.net">fasundion@lacmta.net</a>
GRANTEE Contact / Project Manager	Contact Name:	John Mate
	Job Title:	Transportation Engineer
	Department:	Engineering & Building Services
	City / Agency:	Redondo Beach
	Mailing Address:	415 Diamond Street, Redondo Beach, CA 90277-2894
	Phone Number:	310.38.0661 ext 1-2277
e-mail:	<a href="mailto:john.mate@redondo.org">john.mate@redondo.org</a>	

LACMTA  
 (FA) Interstate 405, I-110, I-105, and SR-91 Ramp and Interchange Improvements (South Bay) Funding Agreement - ATTACHMENT D1  
 MONTHLY PROGRESS REPORT

2. PROJECT COMPLETION

Based on the comparison of the original and actual project milestone schedules above, project is (select only one):

- Ahead of original FA schedule  Less than 12 months behind original schedule  
 On schedule per original FA schedule  More than 24 months behind original schedule  
 Between 12-24 months behind original schedule

3. TASKS / MILESTONES ACCOMPLISHED

List tasks or milestones accomplished and progress made this month.  
 MOU with Metro signed early October 2011. Therefore a later starting date.

4. PROJECT DELAY

If project is delayed, describe reasons for delay (this month). Pay particular attention to schedule delays. If delay is for the same reason as mentioned in previous months, please indicated by writing "Same as Previous Month".  
 Redondo Beach staff engineer assigned to project.

5. ACTION ITEMS TO RESOLVE DELAY

If the project is delayed (as described in #4), include action items that have been, or will be, undertaken to resolve the delay.

Issue(s)	Targeted Resolution/Response Date

6. COST SUMMARY

FA Milestones	Project Budget g	LACMTA Approved Changes h	Current Approved Budget (g+h) i	Expenditures to Date j	Estimate At Completion k	Cost Variance l=(k-i)	Percent Completed By Dollar Amount
PLANNING PA&E							
PA&E	\$ 125,000			0			0
ROW Support							
ROW	\$ 260,000			0			0
CONSTRUCTION Support							
CONSTRUCTION	\$ 482,000			0			0

7. RISK MANAGEMENT PLAN / PROJECT RISK REGISTER

This Risk Register shall include a listing of potential project risks. Identify project risks and provide a description of individual risk events or unplanned events that may

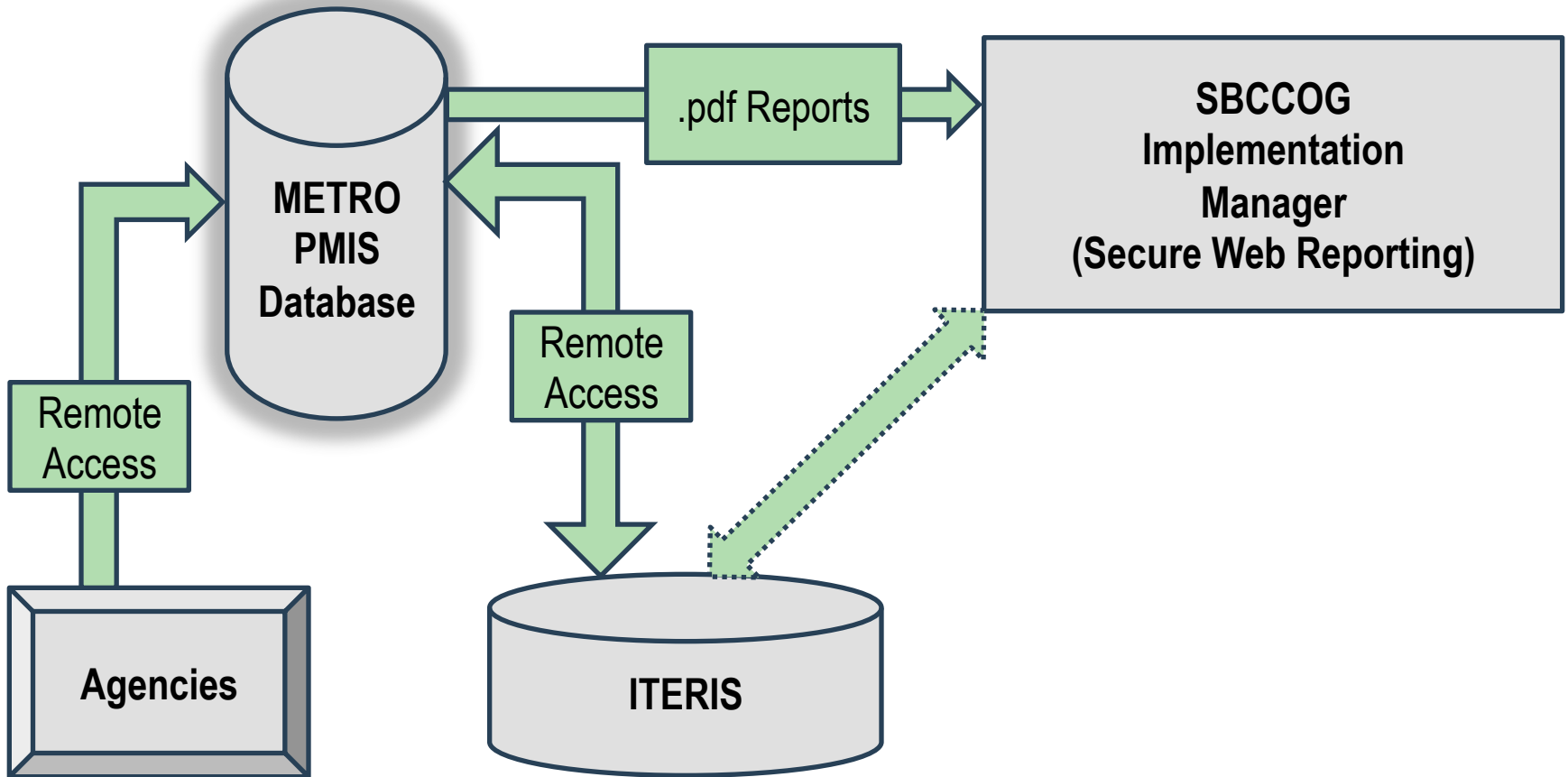
Risk Category	Risk Event	Risk Potential (Low/Medium/High)	Risk Mitigation Strategies	Action	Outcome
Planning					
Design					
ROW					
Construction					
Bid/Award					
Third Party					

I certify that I am the responsible Project Manager or local officer and representative of  
 City of Redondo Beach and that to the best of my knowledge and belief the information  
 stated in this report is true and correct.

Signature: John Mole Date: 11/1/2011  
 John Mole Transportation Engineer



# PMIS Architecture



# Reporting Process

- How reports get submitted
- Agencies report on monthly/quarterly basis
- Agencies input data into the PMIS database (Remote Access) in accordance with Metro / Lead Agency Funding Agreement
- Output → Reports for Metro, Agencies, SBCCOG and Consultant
- Security
- Access to reports - “Who would see what”



# PMIS Reporting

- Examples of PMIS Reports
- Explanation of Reports
- Variance Across types of projects
- Change order process
- Relationship to Risk Management and Best Practices



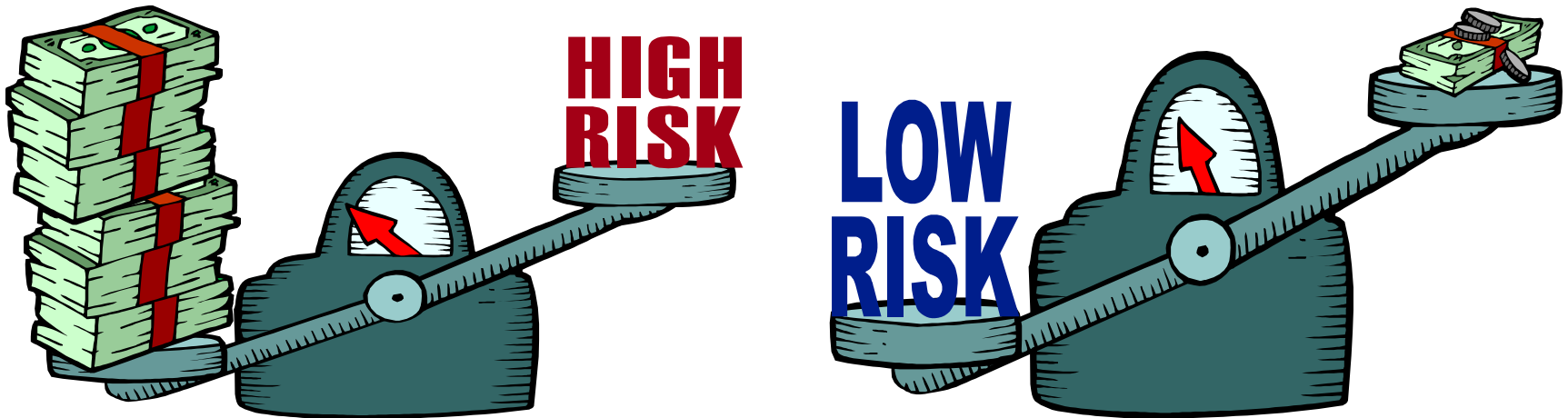
# Implementation Plan Update Process



- Purpose of SBHP Implementation Plan
  - Codifies Policies
  - Identifies (rolling) 5-Year Program of Projects
  
- SBHP Implementation Plan Update Steps
  - Review of Policies
  - Cost / Schedule Adjustments for Projects in SBHP Program
  - Consideration of New Projects
  - Programming of new project changes and new projects
  
- Review and update process calendar: July to November

# RISK MANAGEMENT - Agenda

- Introduction
- FTA/FHWA/Caltrans Risk Management
- Potential Risks
- SBHP Risk Management Guiding Principles



# INTRODUCTION

- What is Risk Management?
- How does it relate to the South Bay Highway Program (SBHP)?



- Definitions, processes, requirements
- How they have been applied in preparing guiding principles for the SBHP



## Stage of Project Development

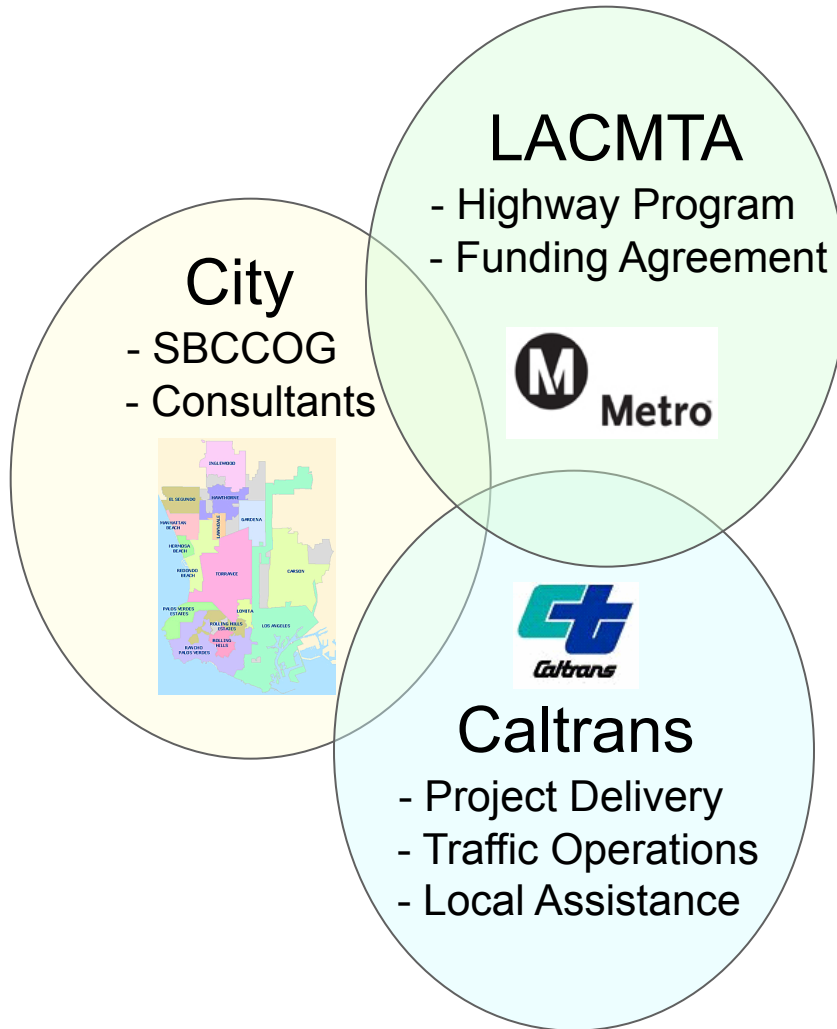
- Planning/design
- Construction
- Design/build

## Type of Project

- Roadway Construction
- Freeway Improvements
- ITS/Signal Synchronization
- Bike and Pedestrian
- Off-street facilities

- Possible risk analysis activities
- Using regular reporting requirements
- Mitigating or managing specific issues
- Best Practices workshop will talk about effective ways to do these
- Use of Program Management Tasks 5 & 6 to support the Project

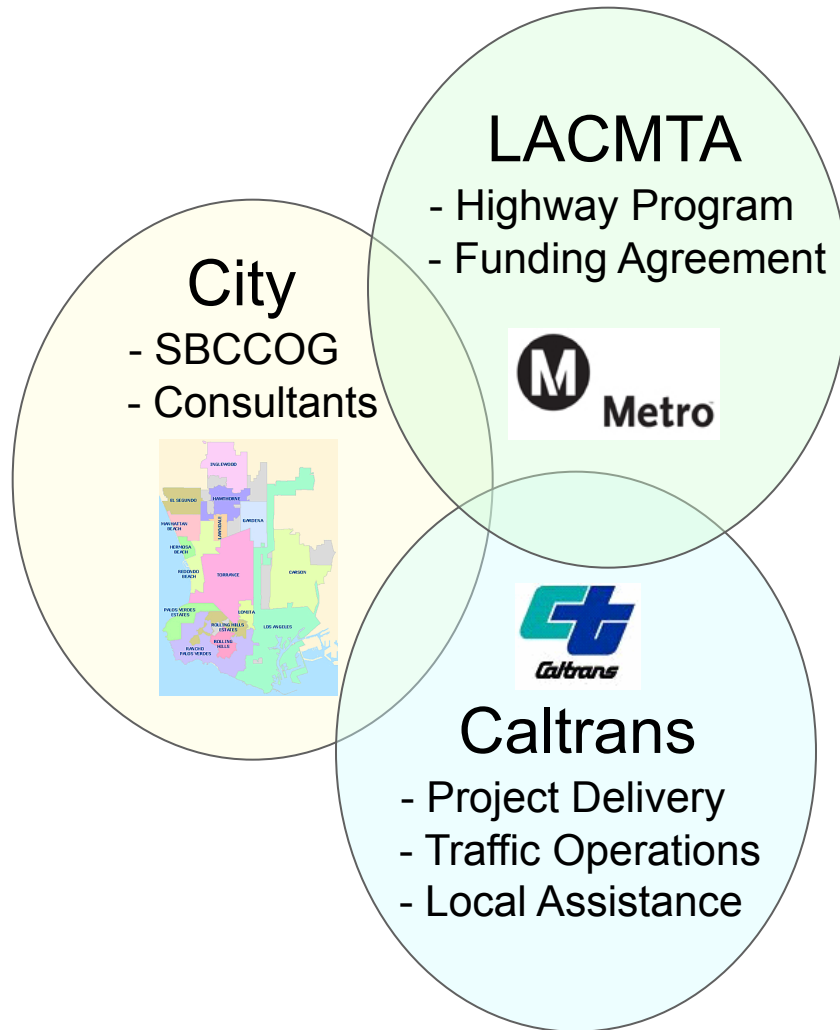
# Best Practices “How to do It”



## PROCESS EXECUTION

- **Local Agency**
  - Arterials
  - Signals
  - ITS
  - Other (e.g., P&R, bike/peds)
- **LACMTA**
  - Funding agreement
  - Program monitoring
- **Caltrans**
  - Freeways
  - Ramps
  - Auxiliary lanes
  - Interchanges
  - ITS

# Best Practices “How to do It”



**PROCESS will vary depending on...**

## Funding Involved

- County (Measure R / Call)
- Local funds / Measure R Subfunds
- State/Federal
- Mix (of above)

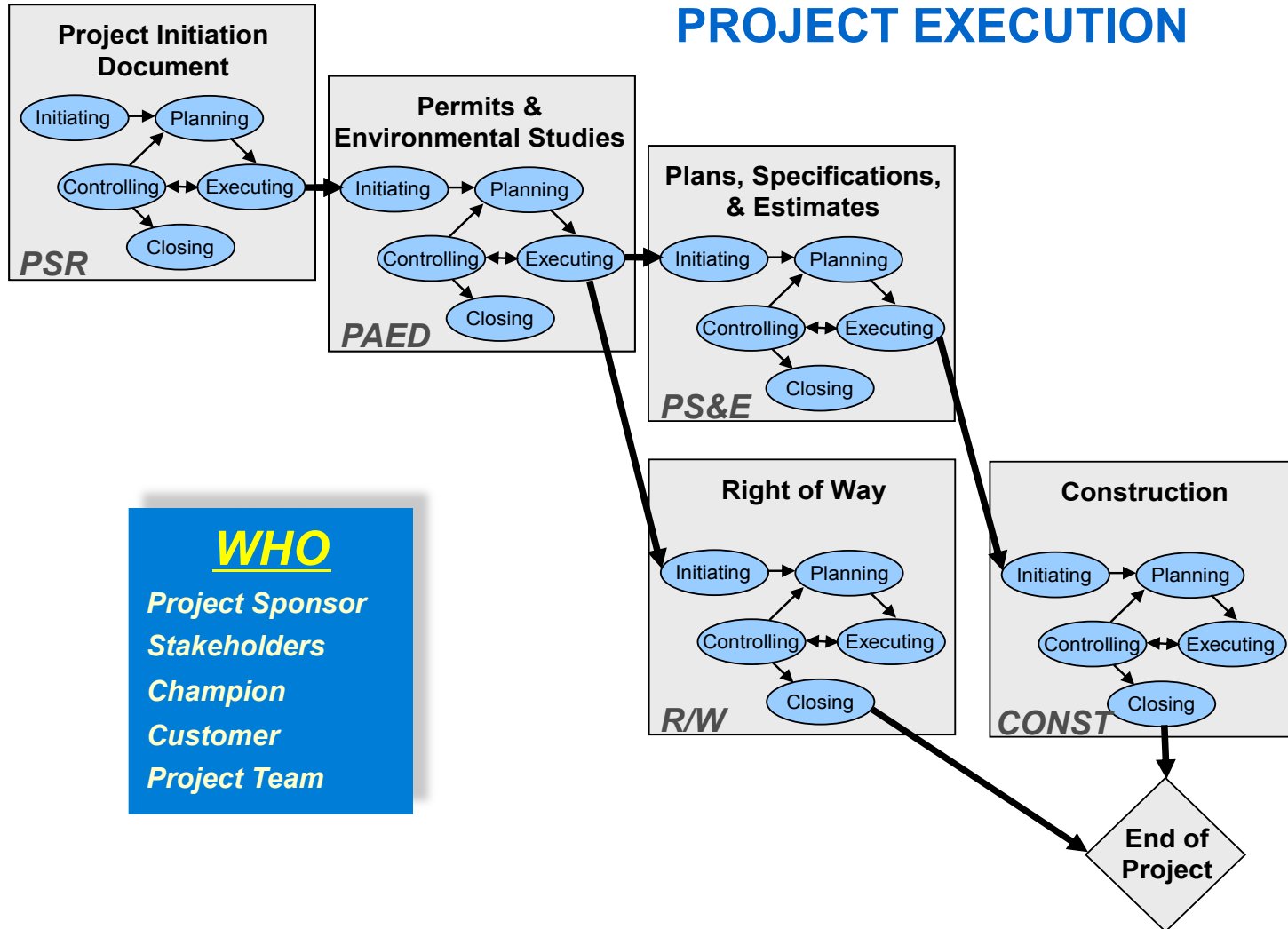
## Separate Process types

- **Local agency project delivery**
- **Caltrans project delivery**  
w/ LACMTA management and oversight  
(vary by project type)
- **Federal project delivery**  
(Caltrans Local Assistance)



# Best Practices “How to do It”

## PROJECT EXECUTION



**WHO**

- Project Sponsor
- Stakeholders
- Champion
- Customer
- Project Team

# Best Practices “How to do It”

## PROJECT EXECUTION

- **Project Initiation (*PID-PAED*)**
  - Project definition (cost/schedule)
  - Conceptual design (no fatal flaws - identify problems early)
  - Get project support
  - Work and resource plan (who does what)
  - Project tracking procedure
  - Mitigate/manage issues
- **Project Design and Development (*PS&E-R/W*)**
  - Initiate-Plan-Control-Execute
  - Monitoring and reporting
  - Mitigate/manage issues
- **Implementation and Construction (*CONSTRUCTION-CLOSEOUT*)**
  - Contract procurement-Contractor selection-Begin work
  - Invoicing and preparing for audits
  - Mitigate/manage issues

## LESSONS LEARNED

- **What to do and What not to do**
  - risk vs. reward

## FA Tracking Summary

FA Tracking Summary	FY 2011-12	Total
# of FA's Required	24	(43 projects approved over first five years)
# of FA's Initiated	22	4 Caltrans projects - Coop. Agreement boilerplate under review
# of FA's deferred	2	LA Co. # N32 (Del Amo), Torrance #B7 (182nd/ I 405)
# of FA's in Negotiation Phase	8	4 Caltrans + 3 local projects
# of FA's Executed	12	

## Attachment E

## SOUTH BAY MEASURE R - FUNDING AGREEMENT TRACKING SHEET

2/3/12

ID	Project Sponsor	Project Title	SBCCOG Request Date for Lead Agency Scope/ Schedule	Date SBCCOG assistance requested to prepare FA	SBCCOG NTP to Iteris date/T.O.# for FA preparation assistance	Iteris T. O. Not-to-exceed funding / actual invoiced	Date Lead Agency provided scope / attachments to Metro	Date Mailed to Lead Agency for Signature	Date FA Returned from Lead Agency	Date FA Executed by Metro, Mailed to Lead Agency	Metro Approved Measure R Funding	FA Type/ Status
<b>First Funding FY 2011-12</b>												
B7	CALTRANS	PROJECT STUDY REPORT AND PAED ON I-405 AT 182ND ST./CRENSHAW BLVD ARTERIAL AND RAMP IMPROVEMENT									1,700	CT Pre-CONSTRUCTION Agreement - in progress
F2	CALTRANS /CITY	I-405 RAMP IMPROVEMENT AT MANCHESTER BLVD									186	CT Pre-CONSTRUCTION Agreement - in progress
F38	CALTRANS	PR/ED for New auxilliary lane betw. SR 91 and Torrance off ramp of SR 110, combined with former F58: new interchange connector from I-405 NB to SR 110 SB.									1,150,000	CT Pre-CONSTRUCTION Agreement - in progress; Caltrans / Metro decided to combine F38 and F58 into one study, with no change in total SBHP planning cost
new	Metro / Caltrans / SBCCOG	Long Range Systems Operations Plan that connects SB freeways and highways/streets network and develops strategic plan to improve system ops									50,000	Included as Task 8 in Iteris Contract, funding from plan development funds in Iteris Contract
new	Metro /Cities/ Caltrans / SBCCOG FHWA	SB ITS MASTER PLAN									150,000	Included as Task 7 in Iteris Contract, funding from plan development funds in Iteris Contract
F60	CALTRANS	ITS PROJECT ON I-405, I-110, I-105, SR-91 FREEWAYS RAMP/ARTERIAL SIGNALIZED INTERSECTIONS									5,000	CT Pre-CONSTRUCTION Agreement - in progress
N69	EL SEGUNDO	MAPLE AVE ARTERIAL IMPROVEMENTS FROM SEPULVEDA BLVD TO PARKVIEW AVE	6/14/11	n/a	na/		8/15/2011, 8/18/11	9/13/11	10/11/11	10/26/11	2,500	Combined
N42	GARDENA	ROSECRANS AVE ARTERIAL IMPROVEMENTS FROM VERMONT AVE TO CRENSHAW BLVD	6/2/11	n/a	n/a		7/7/2011, 7/19/11	9/1/11	9/16/11	9/22/11	5,140	Combined
N53	GARDENA	ARTESIA BLVD AT WESTERN AVE INTERSECTION IMPROVEMENT	6/2/11	n/a	n/a		7/7/2011, 7/19/11	9/1/11	9/16/11	9/22/11	675	Combined

**SOUTH BAY MEASURE R - FUNDING AGREEMENT TRACKING SHEET**

ID	Project Sponsor	Project Title	SBCCOG Request Date for Lead Agency Scope/ Schedule	Date SBCCOG assistance requested to prepare FA	SBCCOG NTP to Iteris date/T.O.# for FA preparation assistance	Iteris T. O. Not-to-exceed funding / actual invoiced	Date Lead Agency provided scope / attachmnts to Metro	Date Mailed to Lead Agency for Signature	Date FA Returned from Lead Agency	Date FA Executed by Metro, Mailed to Lead Agency	Metro Approved Measure R Funding	FA Type/ Status
N67	GARDENA	VERMONT AVE ARTERIAL IMPROVEMENTS FROM ROSECRANS AVE TO 182ND ST	6/2/11	n/a	n/a		7/7/2011, 7/19/11	9/1/11	9/16/11	9/22/11	2,350	Combined
F11	HAWTHORNE	ROSECRANS AVE ARTERIAL IMPROVEMENTS FROM I-405 SB OFF-RAMP TO ISIS AVE	6/2/11	n/a	n/a		7/25/11	8/24/11	9/20/11	10/4/11	2,100	Construction
F45	HERMOSA BEACH	PACIFIC COAST HIGHWAY ARTERIAL IMPOVEMENTS FROM ARTESIA BLVD TO ANITA ST	6/14/11	9/1/11	T. O. 6.5 approved 10/24/11	Not to exceed: \$9,700 Actual: \$0	1/12/12				240	Construction, FA documents submitted to City by Iteris, to be submitted to Metro next week
N6	INGLEWOOD	CITY OF INGLEWOOD 4TH PHASE OF CITYWIDE ITS MASTER PLAN	6/6/11	6/23/11	T. O. 6.1 approved 9/22/11	Not to exceed: \$13,823 Actual: \$0	12/23/11				3,500	Design, FA documents submitted to Metro
N22	LAWNDALE	INGLEWOOD AVE WIDENING FROM 156TH ST TO I-405 SB ON-RAMP	6/14/11	8/15/11	T. O. 6.4 approved 9/22/11	Not to exceed: \$6,389 Actual: \$0	10/5/11	12/2/11	1/3/12	1/11/12	500	Combined, FA documents submitted to Metro
N32	LOS ANGELES COUNTY	DEL AMO BLVD ARTERIAL IMPROVEMENTS FROM NORMANDIE BLVD TO VERMONT AVE	6/14/11	TBD	TBD		No action				26,920	County Board concerns re. possible contamination delaying project
F42	MANHATTAN BEACH	SEPULVEDA BLVD AT MARINE AVE INTERSECTION IMPROVEMENT	6/6/11	n/a	n/a		9/13/2011, 10/5/11, 11/3/11	12/2/11	12/27/11	12/30/11	235	Construction, FA documents submitted to Metro
F46	REDONDO BEACH	PACIFIC COAST HIGHWAY ARTERIAL IMPROVEMENTS FROM ANITA STREET TO PALOS VERDES BLVD	6/14/11	n/a	n/a		7/26/11	9/1/11	10/10/11	10/13/11	1,400	Combined
F47	REDONDO BEACH	PACIFIC COAST HIGHWAY AT TORRANCE BLVD INTERSECTION IMPROVEMENT	6/14/11	n/a	n/a		6/29/2011, 7/25/11	9/1/11	10/10/11	10/13/11	586	Combined
F48	REDONDO BEACH	PACIFIC COAST HIGHWAY AT PALOS VERDES BLVD INTERSECTION IMPROVEMENT	6/14/11	n/a	n/a		6/29/2011, 7/25/11	9/1/11	10/10/11	10/13/11	320	Combined

**SOUTH BAY MEASURE R - FUNDING AGREEMENT TRACKING SHEET**

ID	Project Sponsor	Project Title	SBCCOG Request Date for Lead Agency Scope/ Schedule	Date SBCCOG assistance requested to prepare FA	SBCCOG NTP to lteris date/T.O.# for FA preparation assistance	Iteris T. O. Not-to-exceed funding / actual invoiced	Date Lead Agency provided scope / atthmnts to Metro	Date Mailed to Lead Agency for Signature	Date FA Returned from Lead Agency	Date FA Executed by Metro, Mailed to Lead Agency	Metro Approved Measure R Funding	FA Type/ Status
N17	REDONDO BEACH	CONSTRUCTION OF EB RIGHT-TURN LANE AT AVIATION BLVD AND ARTESIA BLVD INTERSECTION IMPROVEMENT	6/14/11	n/a	n/a		6/29/11	8/26/201	10/10/11	10/13/11	22	Construction
N19	REDONDO BEACH	INSTALLATION OF EB RIGHT-TURN ARROW AT INGLEWOOD AVE AND MANHATTAN BEACH BLVD INTERSECTION	6/14/11	n/a	n/a		6/29/11	8/26/11	10/10/11	10/13/11	30	Construction
N58	REDONDO BEACH	CONSTRUCTION OF NB RIGHT-TURN LANE AT AVIATION BLVD AND ARTESIA BLVD INTERSECTION IMPROVEMENT	6/14/11	n/a	n/a		7/27/11	9/1/11	10/10/11	10/13/11	847	Combined
B7	TORRANCE	PROJECT STUDY REPORT AND PAED ON I-405 AT 182ND ST./CRENSHAW BLVD ARTERIAL AND RAMP IMPROVEMENT	9/14/11	9/26/11	T. O. 6.2 approved 9/22/11; NTP on hold pending results of Caltrans traffic study	Not to exceed: \$19,348 Actual: \$0	12/23/11	1/12/12			300	FA Scope awaiting traffic study by Caltrans
F51	TORRANCE	PACIFIC COAST HIGHWAY AND HAWTHORNE BLVD INTERSECTION IMPROVEMENT	6/6/11	9/26/11	T. O. 6.3 approved 10/20/11	Not to exceed: \$16,357 Actual: \$0	12/12/11				19,600	Documents submitted to Metro
N47	TORRANCE	MAPLE AVE AT SEPULVEDA BLVD INTERSECTION IMPROVEMENT	6/6/11	9/26/11	T. O. 6.3 approved 10/20/11		6/30/11, 7/7/2011	9/1/11	10/18/11	10/25/11	600	Combined, FA scope & cost estimate being prepared
P4	TORRANCE	TORRANCE TRANSIT PARK AND RIDE REGIONAL TERMINAL PROJECT	6/6/11	n/a	n/a		8/3/2011, 8/15/2011	9/13/11	10/13/11	10/25/11	18,100	Design. Construction FA not yet started, FY13 & 14 funding.

Note: Projects with first funding in years 2012-14 are hidden

1-year total  
Measure R \$ 1,524,900  
funding

## Attachment F

### 3-month Look-ahead on Committee Meetings and Decision Milestones **South Bay Measure R Highway Program Implementation Plan**

**Updated 2/3/12**

February 2012	March 2012	April 2012
<p>13. <b>Measure R Oversight Committee</b></p> <ul style="list-style-type: none"> <li>Review Project Status</li> <li>Review PMIS Architecture and Data Outputs</li> <li>Review training program</li> </ul> <p>13. <b>Steering Committee</b></p>	<p>12. <b>Measure R Oversight Committee</b></p> <ul style="list-style-type: none"> <li>Review Project Status</li> <li>Review Iteris Phase 2 TOs</li> </ul> <p>12. <b>Steering Committee</b></p>	<p>9. <b>Measure R Oversight Committee</b></p> <ul style="list-style-type: none"> <li>Review Project Status</li> <li>Funding Allocation Change Requests</li> <li>Review project cost &amp; schedule adjustments</li> <li>Review Program Status</li> </ul> <p>9. <b>Steering Committee</b></p>
<p>22. <b>IWG Meeting</b></p> <ul style="list-style-type: none"> <li>Funding Allocation Change Requests</li> <li>Provide notice to submit project cost adjustments</li> <li>Review training program</li> </ul> <p>23. <b>Metro Board</b></p> <p><b>SBCCOG Board – no meeting</b></p> <p>24. <b>SBCCOG GENERAL ASSEMBLY</b></p>	<p>28. <b>IWG Meeting</b></p> <ul style="list-style-type: none"> <li>Funding Allocation Change Requests</li> <li>Consider project cost adjustments</li> </ul> <p>22. <b>Metro Board</b></p> <p>22. <b>SBCCOG Board</b></p> <ul style="list-style-type: none"> <li>Approve Iteris Phase 2 T. O.s</li> </ul>	<p>25. <b>IWG Meeting</b></p> <ul style="list-style-type: none"> <li>Funding Allocation Change Requests</li> <li>Consider project cost adjustments</li> <li>Review Program Status</li> </ul> <p>26. <b>Metro Board</b></p> <p>26. <b>SBCCOG Board</b></p> <ul style="list-style-type: none"> <li>Approve Iteris Phase 2 C. O.s</li> </ul>

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### 2011-2012 South Bay Measure R Annual Update Process

The South Bay Measure R Annual Update process is on a two year cycle of revisions in which the first year of the annual update process includes program status reporting, cost adjustments and programming revisions and is considered a minor revision to the South Bay Measure R Highway Program Implementation Plan. The second year of the annual update process is a major revision to the Implementation Plan that includes a review of policies and review of potential new projects to the program.

Phase	Committee	Start	End	Jul. '11	Aug. '11	Sep. '11	Oct. '11	Nov. '11	Dec. '11	Jan. '12	Feb. '12	Mar. '12	Apr. '12	May '12	Jun. '12
Program Status Report	IWG	Quarterly		Review			Review			Review			Review		
	Oversight	Quarterly		Review			Review			Review			Review		
	SBCCOG	Annual					Review								
Cost Adjustment	IWG	September	October			Review	Recomm.								
	Oversight	October	November				Review	Recomm.							
	SBCCOG	October	November					Approval							
Programming	IWG	September	October			Review	Recomm.								
	Oversight	October	November				Review	Recomm.							
	SBCCOG	October	November				Pre-Approval	Approval							
	Metro	January	February								Staff Approval		Board Approval		
Funding Agreements	Lead Cities	March	June									Execute New Funding Agreements			