

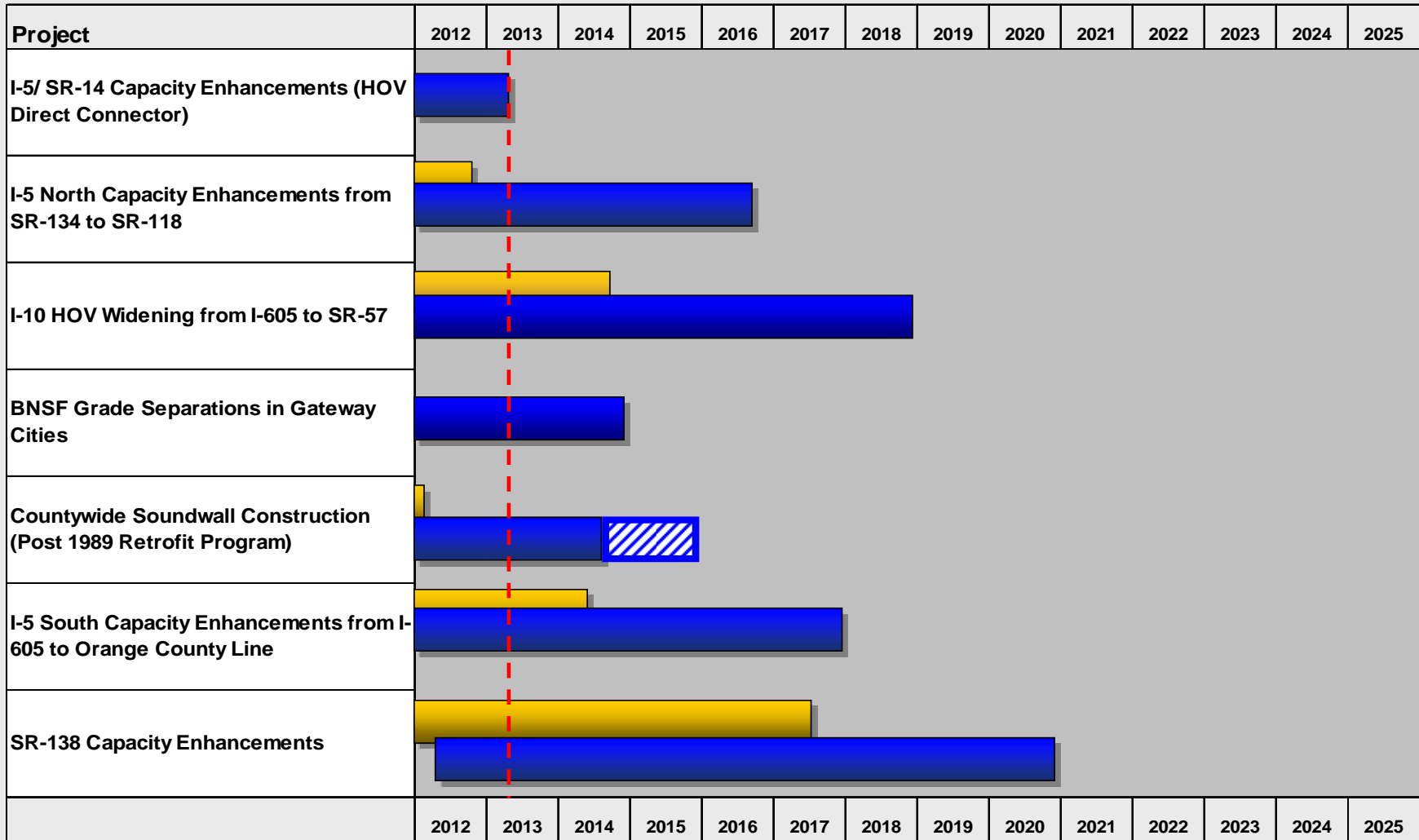
Program Management Project Budget and Schedule Status

Highway Program

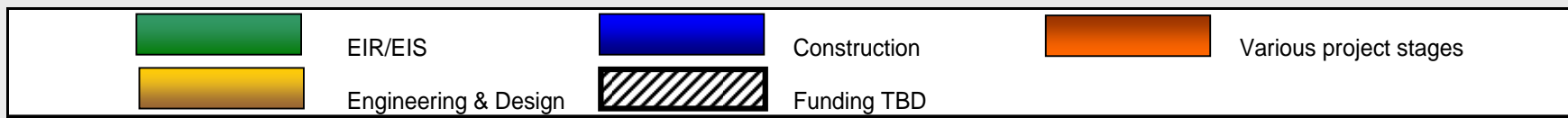
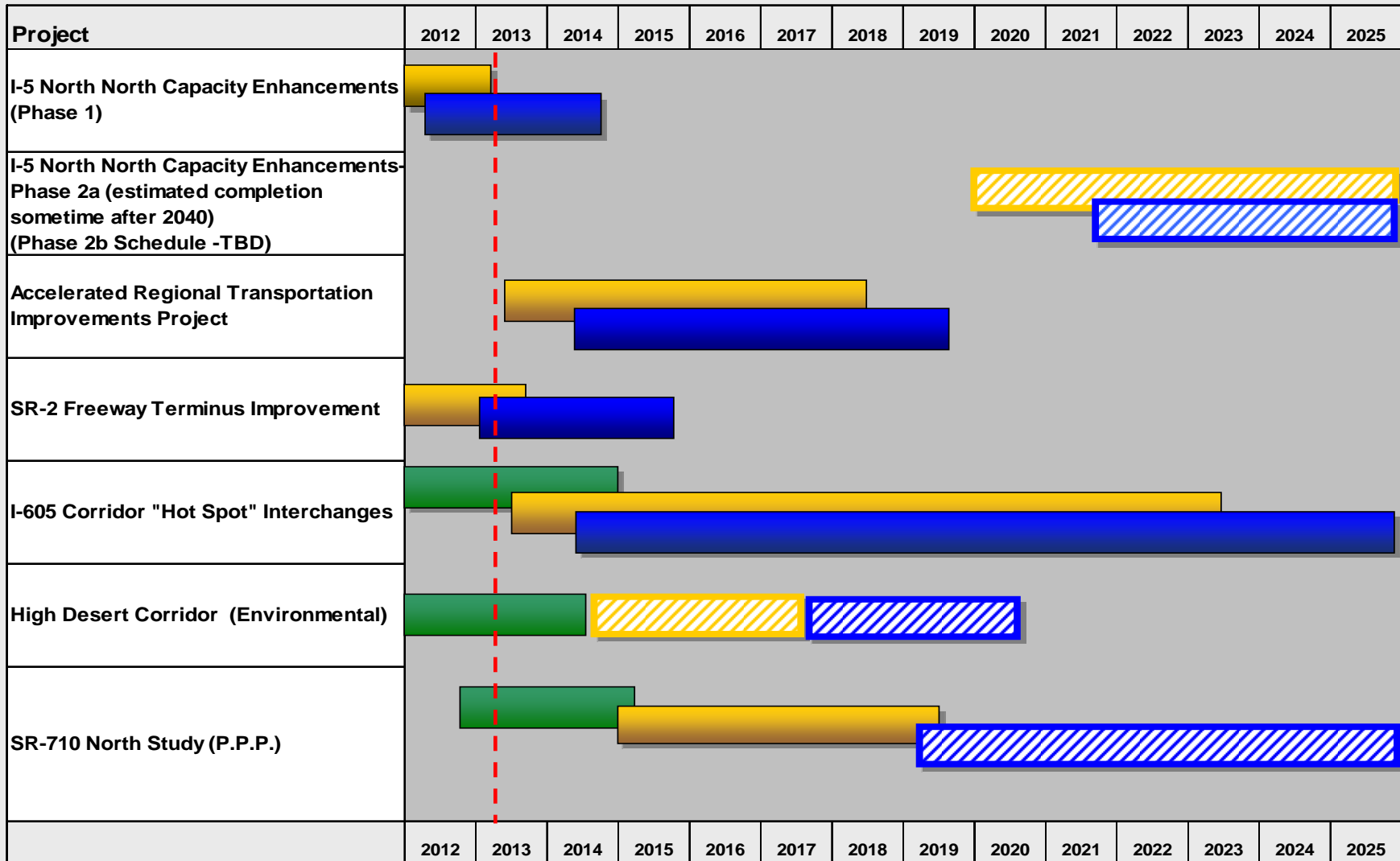
Planning & Programming Committee
May 15, 2013



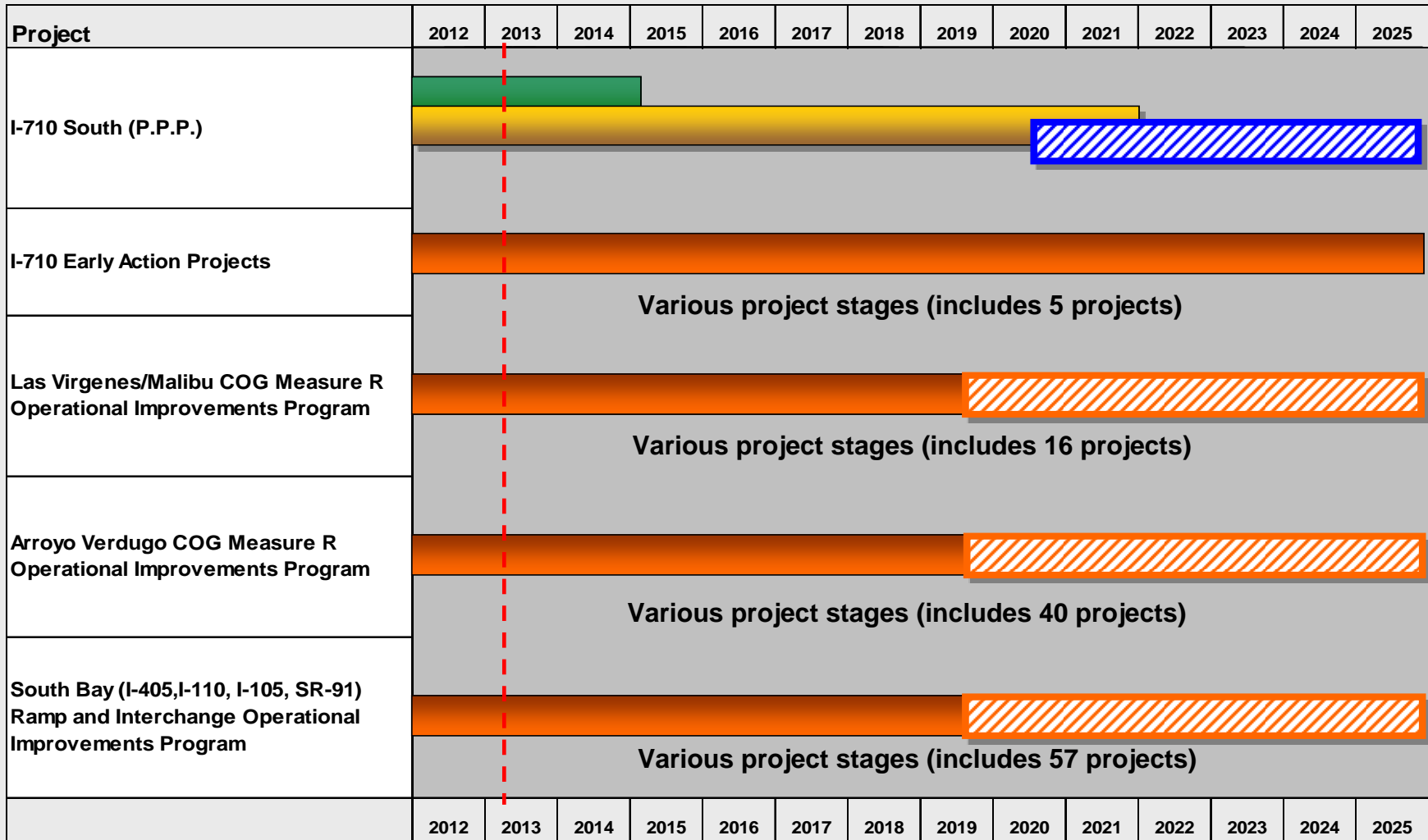
Highway Program Project Schedules



Highway Program Project Schedules



Highway Program Project Schedules



I-5 / SR-14 Capacity Enhancements (HOV Direct Connector)



◆ BUDGET

	Current	Forecast
Total Cost (\$ mil.)	\$175.8	\$175.8

Funds include: CMAQ, RIP, Prop C, and Measure R

- Scope includes pre-construction and construction activities

OK SCHEDULE

	Current	Forecast
Construction Complete	2013	2013


- Under final Construction – 96% complete
- Opened to traffic on Dec. 23rd, 2012
- Target Closeout by July 2014


POTENTIAL RISKS:

- Potential cost increase due to drainage issues

I-5 North Capacity Enhancements from SR-134 to SR-118



 BUDGET	Current	Forecast
Total Cost (\$ mil.)	\$1.01B	\$1.01B
<p><u>Funds include:</u> RIP, TCRP, RSTP, Prop C, SLPP, CMAQ, ARRA, IIP, SAFETEA-LU, CMIA, Measure R</p> <ul style="list-style-type: none"> • Scope includes pre-construction and construction activities 		

 SCHEDULE	Current	Forecast
Construction Complete	2016	2016
SR-134~Magnolia	2014	2014
Buena Vista~SR-170	2014	2014
SR-170~SR-118	2015	2015
Empire/Burbank	2016	2016


POTENTIAL RISKS:


SR-134~Magnolia:

- Several utility relocations needed before temporary rail section can be built for Metrolink.

I-10 HOV Widening from I-605 to SR-57



 BUDGET	Current	Forecast
Total Cost (\$ mil.)	\$565.9	\$565.9
<p><u>Funds include:</u> CMAQ, STIP-GF, STIP-RIP, Prop C, RSTP and TCRP</p> <ul style="list-style-type: none"> • Scope includes pre-construction and construction activities 		

 SCHEDULE	Current	Forecast
Construction Complete	2017	2018
I-605~ Puente	2013	2013
Puente~ Citrus	2016	2017
Citrus~ SR-57	2017	2018

POTENTIAL RISKS:

- Right-of-Way acquisitions
- Citrus-SR-57 delayed to revise roadway geometry lowering the freeway grade at Kellogg Hill, as a consequence of SHOPP project funding

OPPORTUNITY:

- Continue to work towards awarding Puente to Citrus project by October 2013.

BNSF Grade Separations in Gateway Cities



◆ BUDGET

Total Cost (\$ mil.)

Current
\$195M¹

Forecast
\$195M¹

Passons Boulevard	\$43M	\$43M
Valley View Avenue	\$79M	\$75M

Fund Sources²:

City Funds, Measure R, BNSF, PUC, STIP, TCRF, TCIF, CMAQ, SAFETEA-LU and other federal funds

◆ SCHEDULE³

Construction Complete

Current
2014

Forecast
2014

Passons Boulevard:

*Opened to traffic Nov. 6, 2012

Valley View Avenue:

Under Construction

End Construction - December 2014

POTENTIAL RISKS:

- Utility Relocations
- Third Party Impacts & Mandates
- Scope Growth
- Funding Gaps

¹Denotes total program estimate reflected in Multi-County Goods Movement Action Plan (2008 \$s). (Balance of funds are earmarked for the remaining projects in various planning stages).

²Funds sources vary with projects

³Multiple grade separation projects with various schedules in early planning stages include: Rosecrans Ave./Marquardt Ave., Norwalk Blvd./Los Nietos Rd., Pioneer Blvd. and Lakeland Rd.

Countywide Soundwall Construction (Post 1989 Retrofit Program)



◆ BUDGET

	Current	Forecast
Total Cost (\$ mil.)	\$162	\$262

- Secured Funds: Measure R / Prop C (\$162M)
- Unsecured Funds: Various (\$100M)
- Currently total 10 packages have been programmed

◆ SCHEDULE

	Current	Forecast
Construction Complete	2014	2014

- | | | |
|------------------|------------------------|------------------------|
| • Pkgs. 5 & 7 | 2014 | 2014 |
| • Pkgs. 6 & 8 | 2013 | 2013 |
| • Pkgs. 10 & 11* | 2 nd decade | 2 nd decade |

POTENTIAL RISKS:


- Site variances / unknown utilities for projects going to construction (Packages 5,6,7,8) could delay and increase the project cost
- Third party activities
- Project list is a living document. Total delivery cost of Post 1989 Retrofit Soundwall Program is approximately \$2 billion.



OPPORTUNITY:

- * Pkgs. 10 & 11 are candidates for accelerated delivery as a part of the Accelerated Regional Transportation Improvements Project

I-5 South Capacity Enhancements from I-605 to Orange County Line



 BUDGET	Current	Forecast
Total Cost (\$ mil.)	\$1.62B	\$1.89B
<u>Funds:</u> CMIA, RIP (GR & State), IIP, TCRP, Demo, CMAQ, STPPL, Prop C 25%, Measure R		


 SCHEDULE	Current	Forecast
Construction Complete	2016	2017
Carmenita Rd	2015	2015
Segment 1	2016	2016
 Segment 2	2016	2017
Segment 3	2016	2016
Segment 4	2016	2016
Segment 5	2016	2016


POTENTIAL RISKS:

- R/W Acquisition
- Utility Relocation
- Hazardous Waste
- Third Party Agreements

SR-138 Capacity Enhancements



 BUDGET	Current	Forecast
Total Cost (\$ mil.)	\$410	\$410
<u>Funds include:</u> RIP, IIP, Measure R		
<ul style="list-style-type: none"> • Scope includes pre-construction and construction activities 		

 SCHEDULE	Current	Forecast
Construction Complete	2020	2020
Seg. 5 & 12	2013	2013
Segment 3	2020	2020
Segment 6	2020	2020
Segment 9	2018	2018
Segment 13	2018	2018
Between I-5 and SR-14 (PA/ED only)	TBD	TBD
Palmdale & Lancaster Projects	2020	2020

POTENTIAL RISKS:

- Locating property owners along Right-of-Way
- Right-of-Way procurement

OPPORTUNITIES:

- Contract award for Project Approval/Environmental Document (PA&ED) for the segment from I-5 to SR-14 planned for April 2013
- Sept. 2012 Board approved additional projects proposed by Palmdale and Lancaster

I-5 North North Capacity Enhancements: Phase 1: Truck Lanes from SR-14 to Pico Canyon Rd.



BUDGET

	Current	Forecast
Total Cost (\$ mil.)	\$131	\$131

- Funds include: SHOPP and Measure R
- Scope includes pre-construction and construction activities

SCHEDULE

	Current	Forecast
Construction Complete	2014	2014


- Currently in Construction


POTENTIAL RISKS:

- Differing site conditions during construction

I-5 North North Capacity Enhancements: Phase 2A: Truck Lane +HOV from SR-14 to Parker Rd.



 BUDGET	Current	Forecast
Total Cost (\$ mil.)	\$279	\$375
<ul style="list-style-type: none"> • <u>Secured Funds</u>: Measure R (\$279M) • <u>Unsecured Funds</u>: Fed, State, Local (\$96M) 		

 SCHEDULE	Current	Forecast
Design Complete	2014	2014
RFQ	2013	2013
RFP	2013/14	2013/14
Financial Close	2014/15	2014/15
Construction Complete	2019	2019

POTENTIAL RISKS:

- Majority of Measure R funds are in the 2nd decade. Require America Fast Forward to advance project

OPPORTUNITY:

- Candidate for accelerated delivery as a part of the Accelerated Regional Transportation Improvements Project

I-5 North North Capacity Enhancements: Phase 2B: Truck Lane +HOV from Parker Rd. to Kern County Line



BUDGET

	Current	Forecast
Total Cost (\$ mil.)	\$2M	\$5.0B

Secured Funds: Measure R (\$2M for project initiation)

Unsecured Funds: Fed, State, Local (\$5B)

SCHEDULE

	Current	Forecast
	TBD	TBD

- Schedule predicated upon funding availability

POTENTIAL RISKS:

- Funds are allocated in the 2nd and 3rd decades. Require America Fast Forward to advance project

Accelerated Regional Transportation Improvements Project

Highway Goods Movement Package



BUDGET

	Current	Forecast
Total Cost (\$ mil.)	\$700	\$700

Funds include:

Measure R, Prop C 25%, Toll Revenues and SHOPP

SCHEDULE

	Current	Forecast
Construction Complete	2030	2019

RFQ	2013	2013
RFP	2013/14	2013/14
Financial Close	2014/15	2014/15
Construction Complete	2019	2019

POTENTIAL RISKS:

- Market conditions

OPPORTUNITIES:

Public Private Partnership delivery produces:


- Accelerated delivery
- Risk sharing with private contractors
- Better leveraging of Measure R funding
- Market interest


PROJECTS UNDER CONSIDERATION:

- I-5 North North Capacity Enhancements (Phase 2: Truck Lane + HOV from SR-14 to Parker Rd.)
- Plus pavement rehab
- SR-71 Expressway Gap Closure (from I-10 to Mission Blvd.)
- SR-71 Expressway Gap Closure (from Mission Blvd. to Rio Rancho Rd.)
- SW Package 10: Various locations along I-210 in Arcadia and Pasadena
- SW Package 11: Various locations along SR-170 between SR-134 and Sherman Way, and I-405 in the vicinity of Stagg Street in Los Angeles

SR-2 Freeway Terminus Improvement (Phase 1)



 BUDGET	Current	Forecast
Total Cost (\$ mil.)	\$11.2	\$11.2
<p><u>Secured Funds:</u> TEA21 Earmark (\$11.2M for ED and Phase 1 construction)</p>		

 SCHEDULE	Current	Forecast
Construction Complete	2015	2015
Phase 1	2015	2015

POTENTIAL RISKS:

- Controversy over project not fully funded
- Phase 2 requires additional federal grant

OPPORTUNITIES:

- Phase 1A started construction in April 2013
- Phase 1B will start construction in Winter 2014
- Phase 2 to relocate existing diamond off-ramp will proceed once Federal/State discretionary funds are obtained for the project (\$13.8 M)

I-605 Corridor “Hot Spot” Interchanges



◆ BUDGET

	Current	Forecast
Total Cost (\$ mil.)	\$590M*	\$590M*

Secured Funds: Measure R - \$590M

Unsecured Funds: TBD

OK SCHEDULE

	Current	Forecast
Construction Complete	2026	2026

- Multiple projects to be programmed with different schedules through 2030
- Completed Feasibility Study in 2012
- PSR in 2013
- Preliminary Engineering in 2014

POTENTIAL RISKS:

- Funding of program
- Third Party implementation
- Scope Growth
- Utility relocation
- R/W Acquisition
- Hazardous waste

*Denotes current secure funding and not expected to cover Feasibility Study improvement needs. Project costs to be determined post Feasibility Study

High Desert Corridor (Environmental)



BUDGET

	Current	Forecast
Total Cost (\$ mil.)	\$65	\$65

Funds include: STIP (GF), Measure R, Measure I, and federal earmarks

- Scope includes Project Approval and Environmental Document (PA/ED) only

SCHEDULE

Environmental Document Complete	Current 2014	Forecast 2014
Draft ED Circulation	2013	2013
Public Hearing	2013	2014
Final ED	2014	2014
Record of Decision	2014	2014

POTENTIAL RISKS

- Funding for highway and rail components of the project is estimated at \$5B, which has yet to be identified
- Request to expand environmental clearance of ROW from 300' to 500' in the City of Palmdale will have impacts to schedule; staff working to determine the impacts

OPPORTUNITIES:

- Potential P3 Candidate

SR-710 North Study (P.P.P.)



BUDGET

	Current	Forecast
Total Cost (\$ mil.)	\$780	\$2.6 - 5.4B*

Secured Funds: Measure R - \$780M

Unsecured Funds: \$1.82B - \$4.62B

Potential P3 Opportunity

SCHEDULE

	Current	Forecast
Construction Complete	2029	2029

Alternatives Analysis	Fall 2012	Fall 2012
Draft EIR/EIS	Spring 2014	Spring 2014
Public Hearing	Spring 2014	Spring 2014
Final EIR/EIS	Spring 2015	Spring 2015
Record of Decision	Spring 2015	Summer 2015


POTENTIAL RISKS:


- Delay in agency reviews
- Additional analyses for mitigation and/or alternatives
- Unexpected late public comments on the DEIR/S
- Potential challenges to the FEIR/S ROD, etc...
- Funding shortfall
- Utility relocation
- Hazardous Waste
- Third Party Agreement

* Denotes a range of cost for several higher cost alternatives

I-710 South (P.P.P)



 BUDGET	Current	Forecast
Total Cost (\$ mil.)	\$395	\$6.75B
<u>Secured Funds</u> : Measure R - \$395M		
<u>Unsecured Funds</u> : \$6.36B – TBD		
*Potential P3 Opportunity		
*Some of these funds will be utilized for I-710 Early Action Projects		

 SCHEDULE	Current	Forecast
Construction Complete	2028	2028
Re-circulated Draft EIR/EIS	2014	2014
Public Hearing	2014	2014
Final EIR/EIS	2015	2015
Record of Decision	2015	2015
Begin Construction	2020	2021
Multiple Early Action Study Projects with various schedules		

POTENTIAL RISKS:

- Funding shortfall
- SCE Utility Relocation
- DWP Utility Relocation
- Army Corp of Engineers
- Los Angeles County Flood Control
- R/W Acquisition
- Other Utility relocation
- Hazardous Waste
- Third Party Agreements
- Zero-Emission Trucks availability

I-710 Early Action Projects



BUDGET

	Current	Forecast
Total Cost (\$ mil.)	\$26.8	\$195

SCHEDULE

various (see below)

	#APPR. PROJECTS	BUDGET (000'S)	COMPLETION
Completed	0	\$ 000	N/A
Ongoing	1	\$10,400	2013
Future	<u>4</u>	<u>\$16,400</u>	2030
TOTAL	5	\$26,800	2030

PROGRAM SUMMARY:

Measure R provides \$195 M for the next 30 years, \$26.8 Million has been programmed for the I-710 Early Action Projects by the Metro Board for FY's 2010-15. Ongoing is defined as projects with executed Funding Agreements. Future is defined as projects with future phases of existing Projects or first years funding of a Project is beyond FY 2013.

Las Virgenes/Malibu COG Measure R Operational Improvements Program



BUDGET

	Current	Forecast
Total Cost (\$ mil.)	\$91.8	\$175

SCHEDULE

various (see below)

	#APPR. PROJECTS	BUDGET (000'S)	COMPLETION
Completed	0	\$ 000	N/A
Ongoing	9	\$25,661	2018
Future	<u>7</u>	<u>\$66,139</u>	2020
TOTAL	16	\$91,800	2020

PROGRAM SUMMARY:

Measure R provides \$175.0 M over 30 years, \$91.8 Million has been programmed for the Subregion by the Metro Board for FY's 2010-16. Ongoing is defined as projects with executed Funding Agreements. Future is defined as projects with future phases of existing Projects or first years funding of a Project is beyond FY 2013. Metro Board approved project revisions at Jan. 2013 meeting.

Arroyo Verdugo COG Measure R Operational Improvements Program



BUDGET

	Current	Forecast
Total Cost (\$ mil.)	\$57	\$170

SCHEDULE

various (see below)

	#APPR. PROJECTS	BUDGET (000'S)	COMPLETION
Completed	1	\$ 575	N/A
Ongoing	7	\$15,573	2018
Future	<u>32</u>	<u>\$40,852</u>	2020
TOTAL	40	\$57,000	2020

PROGRAM SUMMARY:

Measure R provides \$170.0 Million over 30 years of which \$57 Million has been programmed in the Subregion for FYs 2010-2016. Ongoing is defined as projects with executed Funding Agreements. Future is defined as projects with future phases of existing Projects or first years funding of a Project is beyond FY 2013.

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



BUDGET		
	Current	Forecast
Total Cost (\$ mil.)	\$192.1	\$906

SCHEDULE
various (see below)

	#APPR. PROJECTS	BUDGET (000'S)	COMPLETION
COG Admin/Development	N/A	\$ 6,754	2022
Contingency/Reserves	N/A	\$ 25,077	2019
Completed	3	\$ 2,152	2012
Ongoing	18	\$ 63,351	2022
Future	<u>36</u>	<u>\$ 94,806</u>	2022
TOTAL	57	\$192,140	2022

PROGRAM SUMMARY:

Measure R provides \$906.0 Million over 30 years of which \$192.1 Million has been programmed in the Subregion for FYs 2012-2019. Ongoing is defined as projects with executed Funding Agreements. Future is defined as projects with future phases of existing Projects or first years funding of a Project is beyond FY 2013.