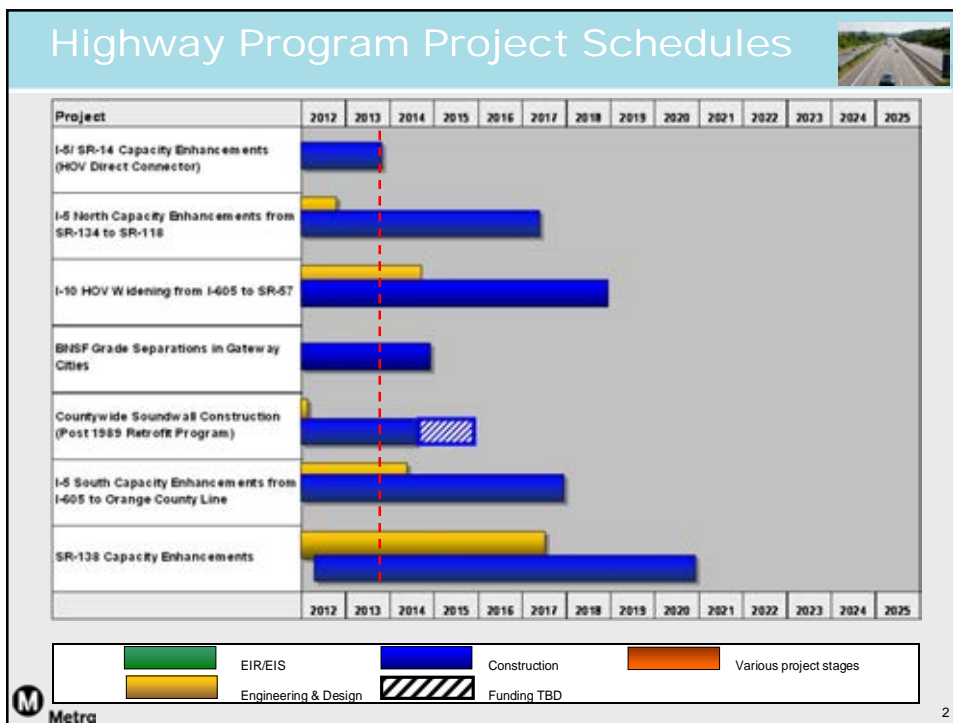


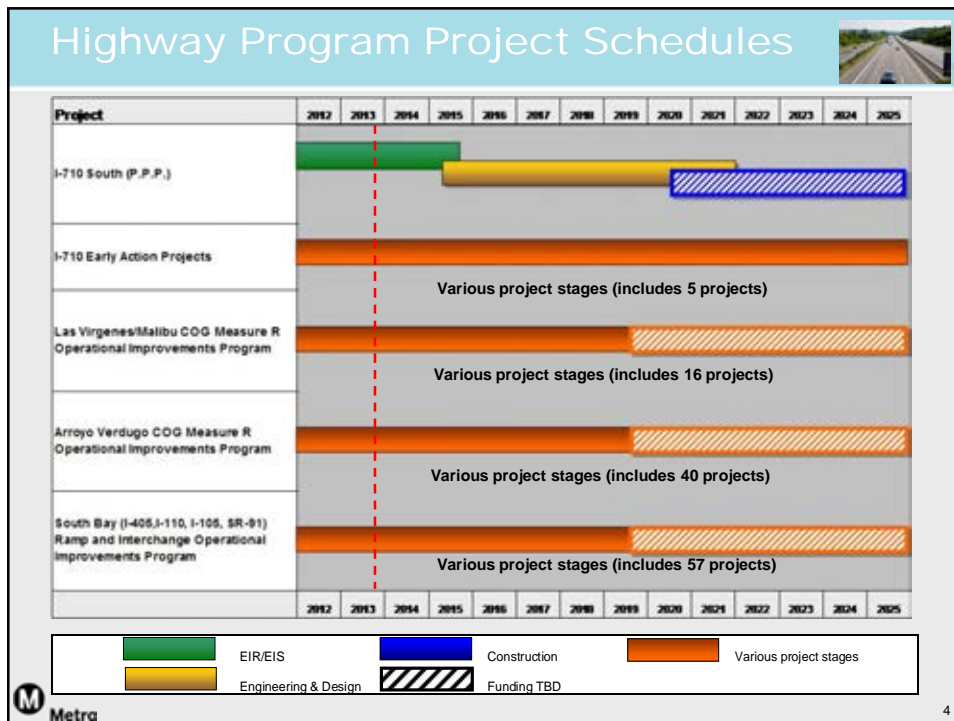
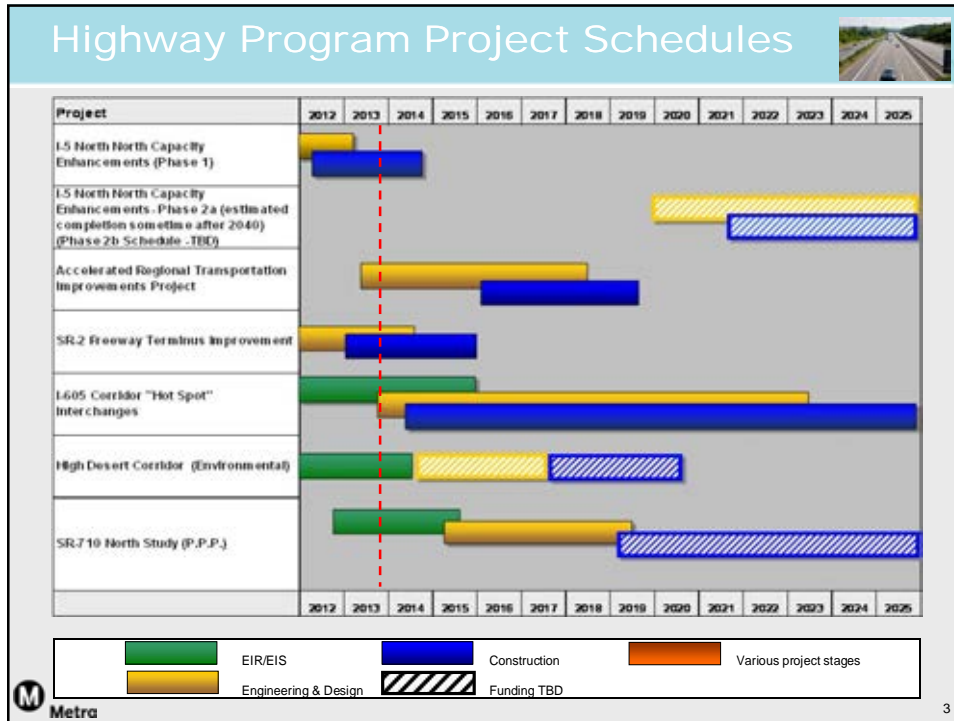
Program Management Project Budget and Schedule Status

Highway Program



Planning & Programming Committee
October 16, 2013


M Metra








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









 BUDGET	Current	Forecast	 SCHEDULE	Current	Forecast
Total Cost (\$ mil.)	\$175.8	\$175.8	Construction Complete	2013	2013
<p>Funds include: CMAQ, RIP, Prop C, and Measure R</p> <ul style="list-style-type: none"> • Scope includes pre-construction and construction activities 			<ul style="list-style-type: none"> • Construction – 96% complete • Opened to traffic on Dec. 23rd, 2012 • Ribbon-cutting ceremony held on Jan. 11th, 2013 • Target Closeout by December 2014 • Potential mitigation work 		
<p>POTENTIAL RISKS:</p> <ul style="list-style-type: none"> • Potential cost increase due to drainage issues • Potential mitigation work 					







 On target
 Possible problem
 Major issue

5

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

 BUDGET	Current	Forecast	 SCHEDULE	Current	Forecast												
Total Cost (\$ mil.)	\$1.01B	\$1.01B	Construction Complete	2016	2017												
<p>Funds include: 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 			<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"> SR-134~Magnolia</td> <td style="width: 20%;">2014</td> <td style="width: 30%;">2015</td> </tr> <tr> <td>Buena Vista~SR-170</td> <td>2014</td> <td>2014</td> </tr> <tr> <td>SR-170~SR-118</td> <td>2015</td> <td>2015</td> </tr> <tr> <td> Empire/Burbank</td> <td>2016</td> <td>2017</td> </tr> </table>			 SR-134~Magnolia	2014	2015	Buena Vista~SR-170	2014	2014	SR-170~SR-118	2015	2015	 Empire/Burbank	2016	2017
 SR-134~Magnolia	2014	2015															
Buena Vista~SR-170	2014	2014															
SR-170~SR-118	2015	2015															
 Empire/Burbank	2016	2017															
<p>POTENTIAL RISKS:</p> <p>SR-134~Magnolia:</p> <ul style="list-style-type: none"> • Several utility relocations needed before temporary rail section can be built for Metrolink. 																	



 On target
 Possible problem
 Major issue

6

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

OK BUDGET	Current	Forecast	◆ SCHEDULE	Current	Forecast
Total Cost (\$ mil.)	\$565.9	\$565.9	Construction Complete	2018	2019
<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 			<p>I-605~Puente 2013 2013</p> <p>Puente~Citrus 2017 2017</p> <p>Citrus~SR-57 2018 2019</p> <ul style="list-style-type: none"> I-605~Puente scheduled to open to traffic in Oct/Nov 2013 		

POTENTIAL RISKS:

- Right-of-Way acquisitions
- Forest lawn demands for work on their slopes
- Citrus-SR-57 delayed to revise roadway geometry lowering the freeway grade at Kellogg Hill, as a consequence of SHOPP project funding
- Advertisement of Puente~Citrus delayed due to Buy America compliance

OPPORTUNITY:

- Continue to work towards awarding Puente to Citrus project by February 2014.

OK On target ◆ Possible problem ▲ Major issue

7

BNSF Grade Separations in Gateway Cities

◆ BUDGET	Current	Forecast	◆ SCHEDULE ³	Current	Forecast
Total Cost (\$ mil.)	\$235M ¹	\$235M ¹	Construction Complete	2014	2014
<p>Passons Boulevard \$43M \$43M</p> <p>Valley View Avenue \$79M \$75M</p> <p><u>Fund Sources²:</u> City Funds, Measure R, BNSF, PUC, STIP, TCRF, TCIF, CMAQ, SAFETEA-LU and other federal funds</p>			<p><u>Passons Boulevard:</u> End Construction- November 2012* <small>*Opened to traffic Nov. 6, 2012</small></p> <p><u>Valley View Avenue:</u> Under Construction End Construction - December 2014</p>		

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.


OK On target ◆ Possible problem ▲ Major issue

8

Countywide Soundwall Construction (Post 1989 Retrofit Program)




◆ BUDGET	Current	Forecast	◆ SCHEDULE**	Current	Forecast
Total Cost (\$ mil.)	\$162	\$262	Construction Complete	2014	2014
<ul style="list-style-type: none"> • <u>Secured Funds</u>: Measure R / Prop C (\$162M) • <u>Unsecured Funds</u>: Various (\$100M) • Currently total 10 packages have been programmed 			<ul style="list-style-type: none"> •Pkgs. 2 & 3 Complete Complete •Pkg. 4 Complete Complete •Pkgs. 5 & 7 2014 2014 •Pkgs. 6 & 8 2013 2013 •Pkgs. 10 & 11* 2nd decade 2nd decade •Duarte Complete Complete 		
**Schedule is valid pending CTC approval as part of ARTI P3.					
<p>POTENTIAL RISKS:</p> <ul style="list-style-type: none"> • Third party activities • Project list is a living document. Total delivery cost of Post 1989 Retrofit Soundwall Program is approximately \$2 billion. <p>OPPORTUNITY:</p> <p>* Pkgs. 10 & 11 are candidates for accelerated delivery as a part of the Accelerated Regional Transportation Improvements Project</p>					




OK On target
 ◆ Possible problem
 ▲ Major issue

9

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



◆ BUDGET	Current	Forecast	◆ SCHEDULE	Current	Forecast																										
Total Cost (\$ mil.)	\$1.77B	\$1.82B	Construction Complete	2016	2017																										
<p>Funds: CMA, RIP (GR & State), IIP, TCRP, Demo, CMAQ, STPPL, Prop C 25%, Measure R</p> <p>CONTRACT AWARD:</p> <table style="width: 100%; border-collapse: collapse; font-size: small;"> <tr> <td style="width: 60%;">Carmenita Rd</td> <td>September 2011</td> </tr> <tr> <td>Segment 1</td> <td>January 2012</td> </tr> <tr> <td>Segment 3</td> <td>September 2012</td> </tr> <tr> <td>Segment 4</td> <td>September 2012</td> </tr> </table>	Carmenita Rd	September 2011	Segment 1	January 2012	Segment 3	September 2012	Segment 4	September 2012			<table style="width: 100%; border-collapse: collapse; font-size: small;"> <tr> <td style="width: 60%;">Carmenita Rd</td> <td>2015</td> <td>2015</td> </tr> <tr> <td>Seg. 1 - Alondra Blvd.</td> <td>2016</td> <td>2016</td> </tr> <tr> <td>▲ Seg. 2 - Valley View</td> <td>2016</td> <td>2017</td> </tr> <tr> <td>Seg. 3 - Shoemaker/Rosecrans</td> <td>2016</td> <td>2016</td> </tr> <tr> <td>Seg. 4 - Imperial Hwy.</td> <td>2016</td> <td>2016</td> </tr> <tr> <td>Seg. 5 - Florence Ave.</td> <td>2016</td> <td>2016</td> </tr> </table>	Carmenita Rd	2015	2015	Seg. 1 - Alondra Blvd.	2016	2016	▲ Seg. 2 - Valley View	2016	2017	Seg. 3 - Shoemaker/Rosecrans	2016	2016	Seg. 4 - Imperial Hwy.	2016	2016	Seg. 5 - Florence Ave.	2016	2016		
Carmenita Rd	September 2011																														
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▲ Seg. 2 - Valley View	2016	2017																													
Seg. 3 - Shoemaker/Rosecrans	2016	2016																													
Seg. 4 - Imperial Hwy.	2016	2016																													
Seg. 5 - Florence Ave.	2016	2016																													
<p>POTENTIAL RISKS:</p> <ul style="list-style-type: none"> • R/W Acquisition • Utility Relocation • Hazardous Waste • Third Party Agreements • Buy America compliance 																															




OK On target
 ◆ Possible problem
 ▲ Major issue

10

SR-138 Capacity Enhancements

OK BUDGET	Current	Forecast	OK SCHEDULE	Current	Forecast																								
Total Cost (\$ mil.)	\$410	\$410	Construction Complete	2020	2020																								
<p><u>Funds include:</u> RIP, IIP, Measure R</p> <ul style="list-style-type: none"> Scope includes pre-construction and construction activities 			<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px 5px;">Seg. 1, 2, 4, 5, 7, 8, 10, & 11</td> <td style="text-align: center; padding: 2px 5px;">Complete</td> <td style="text-align: center; padding: 2px 5px;">Complete</td> </tr> <tr> <td style="padding: 2px 5px;">Seg. 12</td> <td style="text-align: center; padding: 2px 5px;">2013</td> <td style="text-align: center; padding: 2px 5px;">2014</td> </tr> <tr> <td style="padding: 2px 5px;">Segment 3</td> <td style="text-align: center; padding: 2px 5px;">2020</td> <td style="text-align: center; padding: 2px 5px;">2016</td> </tr> <tr> <td style="padding: 2px 5px;">Segment 6</td> <td style="text-align: center; padding: 2px 5px;">2020</td> <td style="text-align: center; padding: 2px 5px;">2018</td> </tr> <tr> <td style="padding: 2px 5px;">Segment 9</td> <td style="text-align: center; padding: 2px 5px;">2018</td> <td style="text-align: center; padding: 2px 5px;">2016</td> </tr> <tr> <td style="padding: 2px 5px;">Segment 13</td> <td style="text-align: center; padding: 2px 5px;">2018</td> <td style="text-align: center; padding: 2px 5px;">2019</td> </tr> <tr> <td style="padding: 2px 5px;">Between I-5 and SR-14 (PA/ED only)</td> <td style="text-align: center; padding: 2px 5px;">2016</td> <td style="text-align: center; padding: 2px 5px;">2016</td> </tr> <tr> <td style="padding: 2px 5px;">Palmdale & Lancaster Projects</td> <td style="text-align: center; padding: 2px 5px;">2020</td> <td style="text-align: center; padding: 2px 5px;">2020</td> </tr> </table>			Seg. 1, 2, 4, 5, 7, 8, 10, & 11	Complete	Complete	Seg. 12	2013	2014	Segment 3	2020	2016	Segment 6	2020	2018	Segment 9	2018	2016	Segment 13	2018	2019	Between I-5 and SR-14 (PA/ED only)	2016	2016	Palmdale & Lancaster Projects	2020	2020
Seg. 1, 2, 4, 5, 7, 8, 10, & 11	Complete	Complete																											
Seg. 12	2013	2014																											
Segment 3	2020	2016																											
Segment 6	2020	2018																											
Segment 9	2018	2016																											
Segment 13	2018	2019																											
Between I-5 and SR-14 (PA/ED only)	2016	2016																											
Palmdale & Lancaster Projects	2020	2020																											
<p>POTENTIAL RISKS:</p> <ul style="list-style-type: none"> Locating property owners along Right-of-Way Right-of-Way procurement 																													




OK On target
◇ Possible problem
▲ Major issue

11

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


OK BUDGET	Current	Forecast	OK SCHEDULE	Current	Forecast
Total Cost (\$ mil.)	\$131	\$131	Construction Complete	2014	2014
<ul style="list-style-type: none"> Funds include: SHOPP and Measure R Scope includes pre-construction and construction activities 			<ul style="list-style-type: none"> Notice to Proceed - March 2012 Groundbreaking held on May 3, 2012 Currently in Construction 		
<p>POTENTIAL RISKS:</p> <ul style="list-style-type: none"> Differing site conditions during construction 					



OK On target
◇ Possible problem
▲ Major issue

12

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	

- Secured Funds: Measure R (\$279M)
- Unsecured Funds: Fed, State, Local (\$96M)

SCHEDULE*	Current	Forecast	
Design Complete	2014	2014	

RFQ - Released 5/31/13

RFP	2014	2014
Financial Close	2014/15	2014/15
Construction Complete	2019	2019


*This schedule assumes the project will be approved by CTC as a part of ARTI P3.

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



On target
 Possible problem
 Major issue

13

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
- Funding is insufficient to cover costs




On target
 Possible problem
 Major issue

14

Accelerated Regional Transportation Improvements Project

 BUDGET	Current	Forecast	
Total Cost (\$ mil.)	\$700	\$700	
<u>Funds include:</u> Measure R, Prop C 25%, Toll Revenues and SHOPP			

 SCHEDULE	Current	Forecast	
Construction Complete	2030	2019	
RFQ-Released 5/31/13	2013	2013	
RFP	2014	2014	
Financial Close	2015	2015	
Construction Complete	2019	2019	
Pending approval by CTC as a P3.			

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 Capacity Enhancements (Phase 2A: Truck Lane + HOV from SR-14 to Parker Rd.)
- I-5 Pavement Rehabilitation
- SR-71 Expressway Gap Closure (from I-10 to Mission Blvd.)
- SR-71 Expressway Gap Closure (from Mission Blvd. to Rio Rancho Rd.)
- Soundwall Package 10&10a: I-210 Pasadena and Arcadia
- Soundwall Package 11: I-405 & SR 170 in Los Angeles




 On target
 Possible problem
 Major issue

15

SR-2 Freeway Terminus Improvement (Phase 1)

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


 SCHEDULE	Current	Forecast	
Construction Complete	2015	2015	
Phase 1A	2013	2013	
Phase 1B	2014	2015	




POTENTIAL RISKS:

- Controversy over project not fully funded
- Diversion of traffic to Cove Ave. in phase
- Phase 2 requires additional Federal/State 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)







 On target
 Possible problem
 Major issue

16

I-605 Corridor “Hot Spot” Interchanges



 BUDGET	Current	Forecast	 SCHEDULE	Current	Forecast
Total Cost (\$ mil.)	\$590M*	\$2.2B*	Construction Complete	2026	2026
<p><u>Secured Funds:</u> Measure R - \$590M <u>Unsecured Funds:</u> \$1.6B</p>			<ul style="list-style-type: none"> Multiple projects to be programmed with different schedules through 2030 Completed Feasibility Study in 2012 I-605/I-5 & I-605/SR-91 Project Study Reports initiated in April 2013 Environmental Clearance in 2015 		
<p>POTENTIAL RISKS:</p> <ul style="list-style-type: none"> Funding of program Third Party implementation Scope Growth Utility relocation R/W Acquisition Hazardous waste <p>*Denotes current secure funding and not expected to cover Feasibility Study improvement needs. Project costs to be determined post Feasibility Study</p>					







 On target
 Possible problem
 Major issue

17

High Desert Corridor (Environmental)


 BUDGET	Current	Forecast	 SCHEDULE	Current	Forecast												
Total Cost (\$ mil.)	\$65	\$65	Environmental Document Complete	2014	2014												
<p><u>Funds include:</u> STIP (GF), Measure R, Measure I, and federal earmarks</p> <ul style="list-style-type: none"> Scope includes Project Approval and Environmental Document (PA/ED) only 			<table style="width: 100%; border-collapse: collapse;"> <tr> <td>Draft ED Circulation</td> <td>2013</td> <td>2013</td> </tr> <tr> <td>Public Hearing</td> <td>2013</td> <td>2014</td> </tr> <tr> <td>Final ED</td> <td>2014</td> <td>2014</td> </tr> <tr> <td>Record of Decision</td> <td>2014</td> <td>2014</td> </tr> </table>			Draft ED Circulation	2013	2013	Public Hearing	2013	2014	Final ED	2014	2014	Record of Decision	2014	2014
Draft ED Circulation	2013	2013															
Public Hearing	2013	2014															
Final ED	2014	2014															
Record of Decision	2014	2014															
<p>POTENTIAL RISKS</p> <ul style="list-style-type: none"> 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 <p>OPPORTUNITIES:</p> <ul style="list-style-type: none"> Potential P3 Candidate 																	



 On target
 Possible problem
 Major issue

18

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




	Current	Forecast		Current	Forecast
BUDGET			SCHEDULE**		
Total Cost (\$ mil.)	\$780	\$2.6 - 5.4B*	Construction Complete	2029	2029
Secured Funds: Measure R - \$780M Unsecured Funds: \$1.82B - \$4.62B Potential P3 Opportunity			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 Summer 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
 **Dependent on project delivery method



On target
 Possible problem
 Major issue

19

I-710 South (P.P.P)




	Current	Forecast		Current	Forecast
BUDGET			SCHEDULE		
Total Cost (\$ mil.)	\$395	\$3.5B-\$6.2B*	Construction Complete	2028	2028
Secured Funds: Measure R - \$395M Unsecured Funds: \$3.1B-5.8B* – TBD Potential P3 Opportunity			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		

*Depending on Project Alternative

POTENTIAL RISKS:

- Funding shortfall
- SCE 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



On target
 Possible problem
 Major issue


20




I-710 Early Action Projects

BUDGET		SCHEDULE	
Total Cost (\$ mil.)	Current \$30.6	Forecast \$195	various (see below)

	#APPR. PROJECTS	BUDGET (000'S)	COMPLETION
Completed	0	\$ 000	N/A
Ongoing	1	\$10,400	2013
Future	<u>6</u>	<u>\$20,200</u>	2017
TOTAL	7	\$30,600	2017

PROGRAM SUMMARY:
 Measure R provides \$195 M for the next 30 years, \$30.6 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 first year's funding beyond 2013.



 On target
 Possible problem
 Major issue


21




Las Virgenes/Malibu COG Measure R Operational Improvements Program

BUDGET		SCHEDULE	
Total Cost (\$ mil.)	Current \$101.8	Forecast \$175	various (see below)

	#APPR. PROJECTS	BUDGET (000'S)	COMPLETION
Completed	0	\$ 000	N/A
Ongoing	10	\$36,186	2018
Future	<u>6</u>	<u>\$65,614</u>	2020
TOTAL	16	\$101,800	2020


PROGRAM SUMMARY:
 Measure R provides \$175.0 M over 30 years, \$101.8 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.



 On target
 Possible problem
 Major issue

22


Arroyo Verdugo COG Measure R Operational Improvements Program






BUDGET			SCHEDULE
Total Cost (\$ mil.)	Current \$57	Forecast \$170	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 2010-2019. 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.



 On target
 Possible problem
 Major issue

23


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






BUDGET			SCHEDULE
Total Cost (\$ mil.)	Current \$192.1	Forecast \$906	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	4	\$ 2,752	2012
Ongoing	18	\$ 63,351	2022
Future	<u>35</u>	<u>\$ 94,206</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.



 On target
 Possible problem
 Major issue

24