

Program Management Project Budget and Schedule Status

Highway Program

Planning and Programming Committee
April 18, 2012



Metro



PLEASE EXCUSE US FOR
THE TEMPORARY
INCONVENIENCE WHILE WE
WORK TO IMPROVE THE
CITY STREETS

**VERDUGO ROAD
REHABILITATION PROJECT**
AUGUST 2011 to DECEMBER 2011
SEQUEL CONTRACTORS INC.

SEQUEL
562-802-7227

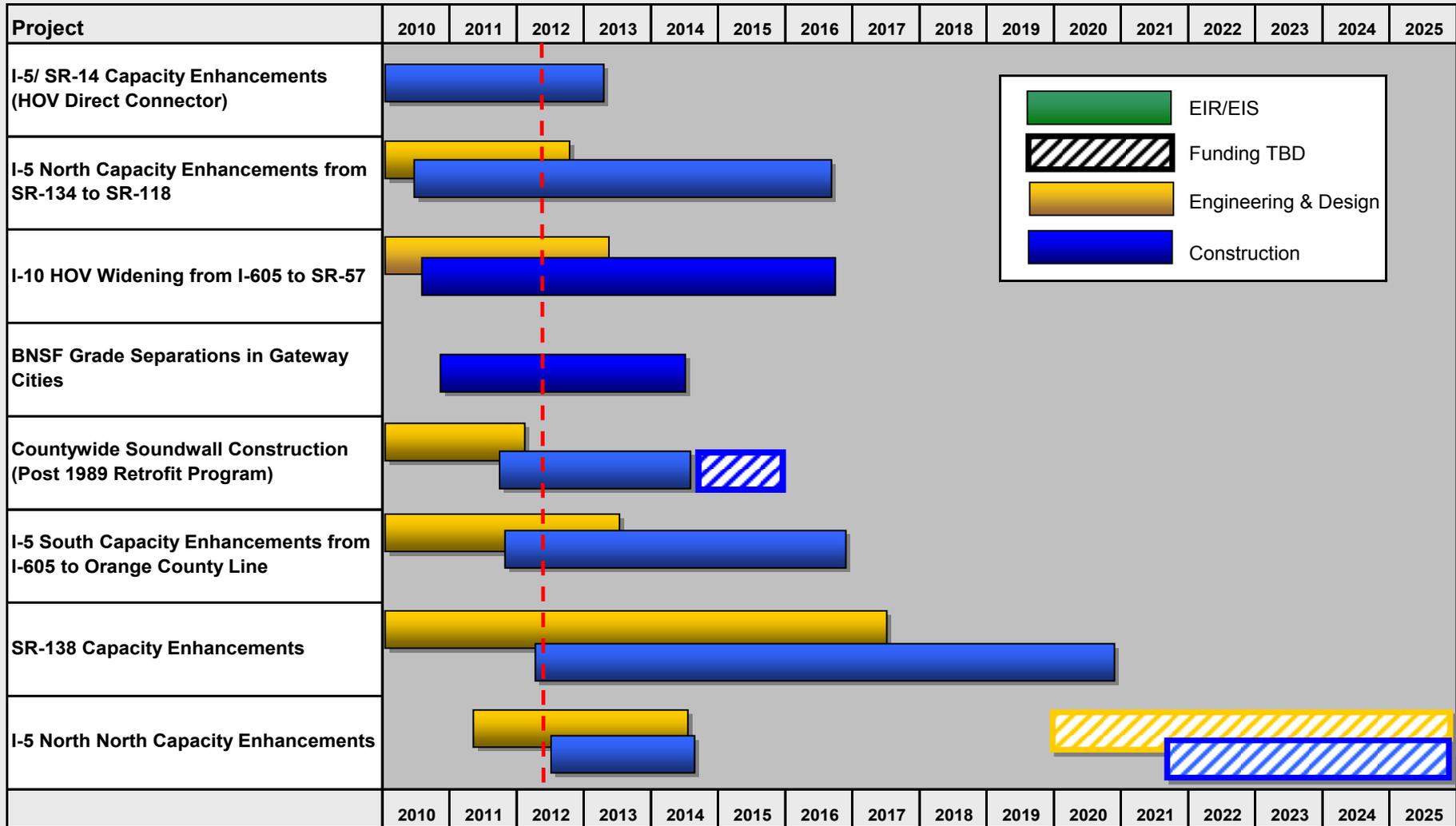
PUBLIC WORKS
818-548-3986



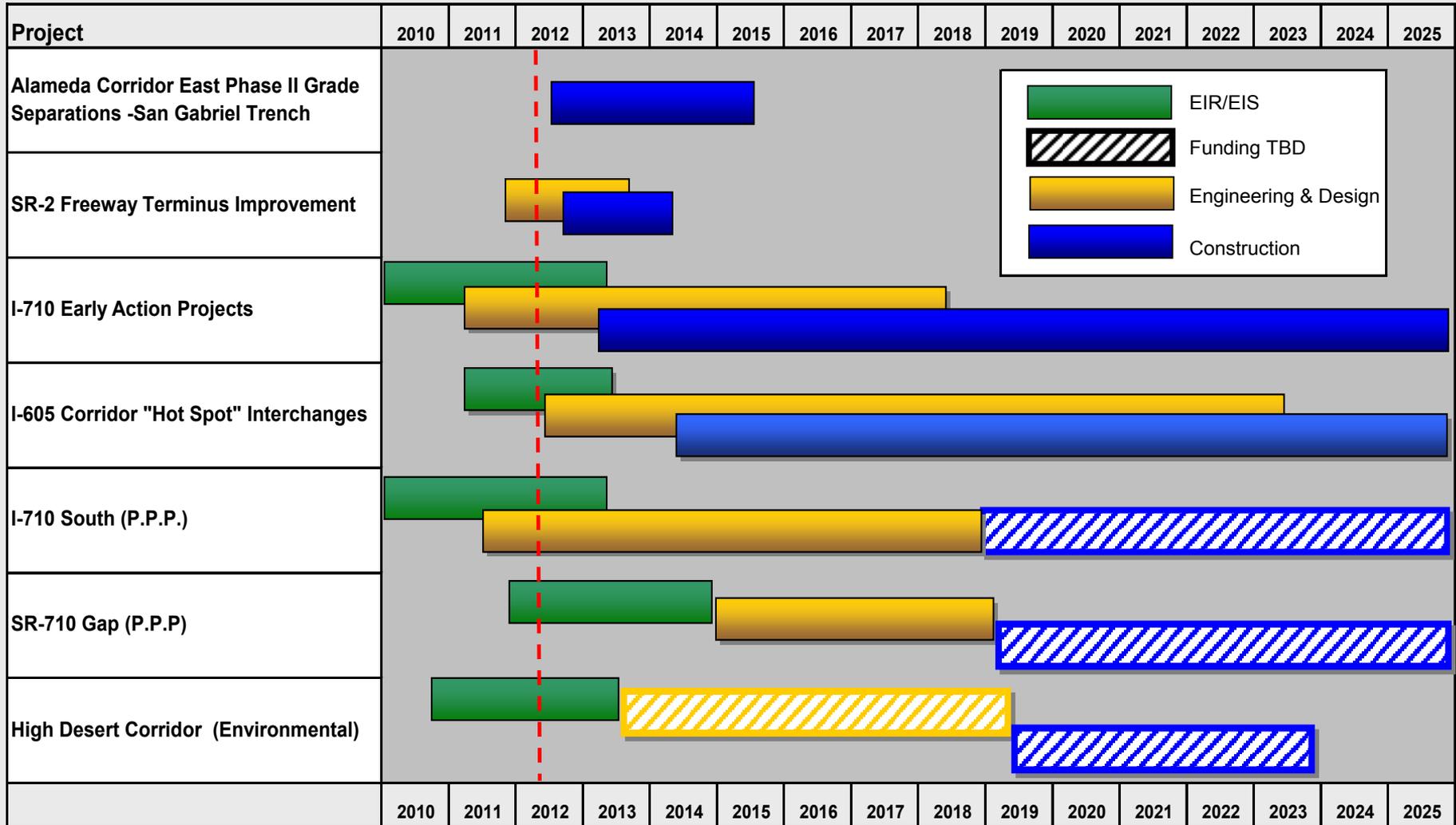
Metro

**A Measure R
Project partially
funded by Metro**

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

SCHEDULE

	Current	Forecast
Construction Complete	2013	2013

- Currently in Construction – 80% complete
- Scheduled to be open to traffic in Fall 2012

POTENTIAL RISKS:

- Weather conditions, such as rain and wind may impose delay on completion of construction

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



BUDGET

	Current	Forecast
Total Cost (\$ mil.)	\$1.01B	\$1.01B

- Funds include: RIP, TCRP, RSTP, Prop C, SLPP, CMAQ, ARRA, IIP, SAFETEA-LU, CMIA, Measure R
- Scope includes pre-construction and construction activities

SCHEDULE

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

POTENTIAL RISKS:

SR-134~Magnolia:

- Utilities

Empire Ave./Burbank Blvd.:

- ROW Clearance – Transfer of easements among Metro, Caltrans and City of Burbank
- Advertise by June 2012 to receive CTC fund authorization
- Project must be awarded by December 2012 to retain CMIA fund

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



◆ BUDGET

	Current	Forecast
Total Cost (\$ mil.)	\$565.9	\$565.9

- Funds include: CMIA, CMAQ, STIP-GF, STIP-RIP, Prop C, RSTP and TCRP
- Scope includes pre-construction and construction activities

◆ SCHEDULE

	Current	Forecast
Construction Complete	2016	2016

- | | | |
|-----------------|------|------|
| •I-605~ Puente | 2013 | 2013 |
| •Puente~ Citrus | 2015 | 2015 |
| •Citrus~ SR-57 | 2016 | 2016 |

POTENTIAL RISKS:

- Right of way acquisitions
- CMIA funded segment must be awarded by December 2012

BNSF Grade Separations in Gateway Cities



◆ BUDGET

	Current	Forecast
Total Cost (\$ mil.)	\$195M¹	\$195M¹

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

Fund Sources²:

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

◆ SCHEDULE³

Current	Forecast
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Passons Boulevard (Under Construction)
•End Construction- Sept. 2012

Valley View Avenue
•Begin Construction- May 2012
•End Construction- August 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)

²Funds sources vary with projects

³Multiple projects with various schedules TBD

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. 2 & 3 | Complete | Complete |
| •Pkg. 4 | 2012 | 2012 |
| •Pkgs. 5 & 7 | 2014 | 2014 |
| •Pkgs. 6 & 8 | 2013 | 2013 |
| •Pkgs. 10 & 11* | 2012 | 2012 |
| •Duarte | Complete | Complete |

*Design only

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
- Funds need to be identified for construction of Pkgs. 10 and 11
- Project list is a living document. Total delivery cost of Post 1989 Retrofit Soundwall Program is approximately \$2 billion.

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



BUDGET

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

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

SCHEDULE

	Current	Forecast
Construction Complete	2014	2014

- Groundbreaking on May 3, 2012

POTENTIAL RISKS:

- Differing site conditions during construction
- Pending court decision which could affect construction schedule

I-5 North North Capacity Enhancements: Phase II: 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

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 “bundled highway projects”

I-5 North North Capacity Enhancements: Phase III: 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
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- Schedule predicated upon funding availability

POTENTIAL RISKS:

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

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



◆ BUDGET

	Current	Forecast
Total Cost (\$ mil.)	\$1.62B	\$1.62B

Funds :CMIA, RIP (GR & State), IIP, TCRP, Demo, CMAQ, STPPL, Prop C 25%, Measure R

◆ SCHEDULE

	Current	Forecast
Construction Complete	2016	2016

Carmenita Rd	2015	2015
Segment 1	2016	2016
Segment 2	2016	2016
Segment 3	2016	2016
Segment 4	2016	2016
Segment 5	2016	2016

POTENTIAL RISKS:

- R/W Acquisition – 352 parcels
- Utility Relocation
- Hazardous Waste
- Third Party Agreements

CONTRACT AWARD:

Carmenita Rd	September 2011
Segment 1	January 2012

SR-138 Capacity Enhancements



BUDGET

	Current	Forecast
Total Cost (\$ mil.)	\$410	\$410

- Funds include: RIP, IIP, Measure R
- Scope includes preconstruction and construction activities

SCHEDULE

	Current 2020	Forecast 2020
Construction Complete		

- | | | |
|--------------------------------|----------|----------|
| • Seg. 1, 2, 4, 7, 8, 10, & 11 | Complete | Complete |
| • Seg. 5 & 12 | 2013 | 2013 |
| • Segment 3 | 2020 | 2020 |
| • Segment 6 | 2020 | 2020 |
| • Segment 9 | 2018 | 2018 |
| • Segment 13 | 2018 | 2018 |

POTENTIAL RISKS:

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

OPPORTUNITY:

- Initiate environmental process for the segment from I-5 to SR-14

Alameda Corridor East Phase II Grade Separations- San Gabriel Trench



 BUDGET	Current	Forecast
Total Cost (\$ mil.)	\$498.5M	\$498.5M

 SCHEDULE	Current	Forecast
Construction Complete	2015	2015

•Fund Sources:

Proposition 1B State Bonds, Measure R, UPRR, PUC, TEA-21, SAFETEA-LU and other federal funds

Targets:

- Trench Construction:-June 2012
- End Construction-June 2015
- Pre-construction activities underway (archaeological and paleontological)

POTENTIAL RISKS:

- Utility Relocations
- Enhanced requirements imposed by Third Party (UPRR)
- Paleontological Finds
- Differing Site Conditions
- Scope Growth

SR-2 Freeway Terminus Improvement



BUDGET

	Current	Forecast
Total Cost (\$ mil.)	\$11.2	\$25

- Secured Funds: TEA21 Earmark (\$11.2M for ED and Phase I construction)
- Unsecured Funds: Fed, state, local (\$13.8M for Phase II construction)

SCHEDULE

	Current	Forecast
Construction Complete	2015	2015

- | | | |
|-----------|------|------|
| •Phase I | 2015 | 2015 |
| •Phase II | TBD | TBD |

POTENTIAL RISKS:

- Controversy over project not fully funded
- Phase II requires federal grant

OPPORTUNITY:

- Phase IA can start construction by the end of 2012

I-710 Early Action Projects



 BUDGET	Current	Forecast
Total Cost (\$ mil.)	\$590	\$6.95B

 SCHEDULE	Current	Forecast
Construction Complete	2028	2028

• Secured Funds: Measure R - \$590M*

• Multiple Early Action Study Projects with various schedules

POTENTIAL RISKS:

- Funding shortfall
- Other Utility relocation
- Hazardous Waste
- Third Party Agreements

*Some of these funds will be utilized for I-710 South

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 with various schedules - TBD

Feasibility Study 2012

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**

I-710 South (P.P.P)



BUDGET

	Current	Forecast
Total Cost (\$ mil.)	\$590	\$6.95B

- Secured Funds: Measure R - \$590M*
- Unsecured Funds: \$6.36B – TBD
Potential P3 Opportunity

SCHEDULE

	Current	Forecast
Construction Complete	2028	2028

- Draft EIR/EIS 2012
- Public Hearing 2012
- Final EIR/EIS 2013
- Record of Decision 2013
- 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

*Some of these funds will be utilized for I-710 Early Action Projects

SR-710 Gap (P.P.P)



BUDGET

	Current	Forecast
Total Cost (\$ mil.)	\$780 *	\$3.24B*

- Secured Funds: Measure R - \$780M
- Unsecured Funds: \$2.46B – TBD
Potential P3 Opportunity

SCHEDULE

	Current	Forecast
Construction Complete		

Draft EIR/EIS	2014	
Public Hearing	2014	
Final EIR/EIS	2015	
Record of Decision	2015	

POTENTIAL RISKS:

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

* Denotes one project alternative estimated project cost

High Desert Corridor (Environmental)



OK BUDGET		
	Current	Forecast
Total Cost (\$ mil.)	\$65	\$65
<ul style="list-style-type: none"> • <u>Funds include</u>: STIP (GF), Measure R, and federal earmarks • Scope includes environmental document (ED) only 		

OK SCHEDULE		
	Current	Forecast
Environmental Document Complete	2013	2013
<ul style="list-style-type: none"> • Draft ED Circulation 2012 • Public Hearing 2012 • Final ED 2013 • Record of Decision 2013 		

POTENTIAL RISKS / OPPORTUNITIES:

- Completing the Green Energy Corridor Analysis and its impact to the visual technical study
- Rail connection between Victorville and Palmdale as a part of the ED scope is a scope increase and will result in changes to cost and schedule
- ▲ Funding for design and construction (~\$3B) is to be identified
- Potential P3 Candidate