



Board Report

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Agenda Number: 47.

**CONSTRUCTION COMMITTEE
JUNE 18, 2015**

RECEIVE oral report on **Transit Program Project Budget & Schedule Status.**

DISCUSSION

Transit Program Project Budget & Schedule Status Oral Report, presented by Brian Boudreau, Executive Director-Program Management.

ATTACHMENTS

Attachment A - Transit Program Project Budget & Schedule Status Report - June 2015

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Item 47

Project Budget And Schedule Status Report

























**Presented by
Brian Boudreau
Executive Director, Program Management**

**Construction Committee
June 18, 2015**



Metro


Cost & Schedule Performance Summary Chart

Slide #	Project	Cost Performance	Schedule Performance	Comments
3	Crenshaw/LAX			The design-build contractor is currently reporting that they are 123 calendar days behind schedule; however at this early stage of the project there are opportunities to reduce this delay.
4	Westside Purple Line Extension-Section 1			
5	Regional Connector			Project cost analysis is being performed to evaluate adequacy of project contingency. Differing site conditions and design review delay have impacted scheduled completion of AUR contract.
6	I-405 Sepulveda Pass Improvements Project			Interim forecast increase of \$115 million due to merited provisional sums, settled claims, 3rd Party/MCA, arbitration costs, Caltrans support & other professional services. Does not include Claim 86.
7	Universal City Pedestrian Bridge			
8	MOL to MRL North Hollywood Connector			
9	Metro Blue Line Station Refurbishments			
10	Patsaouras Plaza			Change order requested for design error/tunnel conflict and other issues. Negotiations in progress. Schedule delayed due to permitting, environmental, and ROW issues with Caltrans.
11	Division 13			Delays due to issues with the ventilation system and other punch list items.
12	P3010 Rail Car Vehicle Procurement			
13-14	Gold Line Foothill Ext.			
15-16	Expo Phase II			



Crenshaw/LAX Transit Project



 BUDGET	Original	Current	Forecast
Total Cost (\$ mil.)	1,749	2,058	2,058





- No issues to report.





 SCHEDULE	Original	Current	Forecast
Rev. Operation	Dec 2018	Oct 2019	Oct 2019

- The design-build contractor is currently reporting that they are 123 days behind schedule; however at this early stage of the project there are opportunities to reduce this delay.

POTENTIAL RISKS

- Various utility relocations to be completed by third parties which are required to be completed prior to design-builder's construction activities. (High risk →)
- Design-builder's ability to mitigate schedule delays. (High risk →)
- New 96th street station cost and schedule potential impacts. (Medium risk →)
- Timely future reviews of design-builder's final design submittals. (Medium risk →)
- Execution of Agreement with City of Inglewood. (Low risk →)
- LAWA's work window availability for design-builder to construct underground structure in front of LAX runways. (Low risk →)


 On target
  Possible problem
  Major issue

 Risk is Decreasing (Improving)
  Risk is Increasing (Worsening)
  Risk is Unchanged since last month
  New Risk

Westside Purple Line Extension – Section 1

(La Cienega)



BUDGET	Original	Current	Forecast
Total Cost* (\$ mil.)	3,149	3,149	3,149

- No issues to report.

* Includes Board approved Life-of-Project Budget, plus Planning and Finance costs.

SCHEDULE	Original*	Current	Forecast
Rev. Operation	Oct 2024	Nov 2023	Nov 2023

- Design-Build Contractor has completed the geotechnical investigations in the City of Los Angeles and is proceeding with site preparation work at construction staging areas as properties become available.

* FFGA scheduled completion

POTENTIAL RISKS

- Resolution of issues regarding the scope of the Division 20 MOW building.
- Adequate staffing (Med risk).
- CEQA lawsuits have concluded with the Judge’s ruling in favor of Metro’s position on the Beverly Hills Unified School District and the City of Beverly Hills lawsuits. Beverly Hills Unified School District and the City of Beverly Hills have appealed the ruling. Both petitioners’ have filed briefs with the Court of Appeal. Metro filed its opposition briefs on April 13, 2015. Petitioners’ reply briefs were filed on May 8, 2015. Court of Appeal to schedule the oral argument. (Low risk).
- NEPA lawsuits filed by Beverly Hills Unified School District and the City of Beverly Hills are still pending in U.S. District Court. The December 4, 2014 hearing on the parties’ cross-motions for summary judgment was taken off calendar and will be rescheduled by the Court. (Low risk).

On target Possible problem Major issue

Risk is Decreasing (Improving) Risk is Increasing (Worsening) Risk is Unchanged since last month New Risk

Regional Connector



◆ BUDGET	Original	Current	Forecast
Total Cost* (\$ mil.)	1,467	1,467	1,467

- Project cost analysis is being performed to evaluate adequacy of project contingency.

*Includes Board approved Life-of-Project Budget, plus Planning and Finance costs.





◆ SCHEDULE	Original*	Current	Forecast
Rev. Operation	May 2021	Oct 2020	Oct 2020





- Differing site conditions and design review delay have impacted scheduled completion of AUR contract.

* FFGA scheduled completion

POTENTIAL RISKS

- AUR contract was Terminated for Convenience and Metro Board approved transfer of remaining AUR work to Design-Build contract on April 30, 2015. Mitigation measures and close schedule coordination efforts are being implemented and alternative plans are being evaluated by RCC and Metro (High risk →).
- NEPA Law suits could potentially delay the construction of Design-Build Contract on Flower Street. MTA is working with FTA to complete supplemental NEPA process by the end of August 2015 (Med. Risk ↑).
- Adequate Staffing (Med risk →).


 On target
  Possible problem
  Major issue

 Risk is Decreasing (Improving)
  Risk is Increasing (Worsening)
  Risk is Unchanged since last month
  New Risk

I-405 Sepulveda Pass Improvement Project





 BUDGET	Original	Current	Forecast*
Total Cost (\$ mil.)	1,034	1,141	1,256




- Interim forecast increase of \$115 million reflects increases to the following items:
 - Merited Provisional Sums
 - Merited Claims
 - 3rd Party/MCA
 - Arbitration costs
 - Caltrans support & other Professional Services
- *Does not include Claim 86






 SCHEDULE	Original	Current	Forecast
Project Complete	May 2013	Sep 2015	Sep 2015

- The substantial completion close-out process is taking longer than anticipated due to the complexity of the project and unresolved issues

POTENTIAL RISKS

- Wall 1985 design not in conformance with Caltrans Specs (High Risk )
- Forecast does not include non-merited Claim 86 or any new claims yet to be brought forward by contractor (High Risk )
- Slope paving under Bridges (Medium Risk )
- Additional Caltrans and Professional Services costs (Medium Risk )

 On target
  Possible problem
  Major issue


 Risk is Decreasing (Improving)
  Risk is Increasing (Worsening)
  Risk is Unchanged since last month
  New Risk

Universal City Station Pedestrian Bridge



BUDGET

	Original	Current	Forecast
Total Cost (\$ mil.)	20	27	27

- No issues to report.






SCHEDULE

	Original	Current	Forecast
Project Complete	Jan 2016	May 2016	May 2016

- No issues to report.

POTENTIAL RISKS

- Escalator delivery by early September is necessary for time completion of construction (Medium Risk )
- Currently mitigating escalator cost claim submitted by the contractor. (High Risk )
- Contractor has submitted revised schedule indicating significant reduction in construction delays. However, the overall schedule could still be delayed slightly due to the restricted construction periods and the Traffic Control requirements . (Medium risk )



On target



Possible problem



Major issue



Metro



Risk is Decreasing (Improving)



Risk is Increasing (Worsening)



Risk is Unchanged since last month




New Risk

MOL to MRL North Hollywood Connector



 BUDGET	Original	Current	Forecast
Total Cost (\$ mil.)	17	23	23




- No issues to report.






 SCHEDULE	Original	Current	Forecast
Project Complete	Jan 2016	May 2016	May 2016

- No issues to report.

POTENTIAL RISKS

- Timely delivery by escalator manufacturer is necessary for timely completion of construction (Medium Risk )
- Unforeseen site conditions during underground construction (Medium risk )

 On target  Possible problem  Major issue

  Risk is Decreasing (Improving)  Risk is Increasing (Worsening)  Risk is Unchanged since last month  New Risk

Metro Blue Line Station Refurbishments



BUDGET

	Original	Current	Forecast
Total Cost (\$ mil.)	33	33	33

- No issues to report.



SCHEDULE

	Original	Current	Forecast
Project Complete	Mar 2016	Mar 2016	Mar 2016

- Contractor continues to work on week nights and weekends
- 15 out of 21 stations completed
- Trying to accelerate the schedule to meet Rail Ops needs

POTENTIAL RISKS

- Limited construction window for each station (High risk →).
- Bus bridge cost (High risk →).
- Contractor lost time claim due to Metro Rail Operations not able to provide the planned work time frame (High risk →).
- Unable to provide sufficient Contractor storage area due to Metro's need in some of the yard space.- (Low risk ↓).



On target



Possible problem



Major issue



Metro



Risk is Decreasing (Improving)



Risk is Increasing (Worsening)



Risk is Unchanged since last month




New Risk

Patsaouras Plaza Busway Station









 BUDGET	Original	Current	Forecast
Total Cost (\$ mil.)	17	31	37.6

 SCHEDULE	Original	Current	Forecast
Project Complete	June 2014	Mar 2017	Mar 2017

- Received request for change (RFC) for cost impacts due to tunnel/foundation conflicts and other issues. Currently under evaluation and negotiation by Metro.


- Schedule for construction start and final completion delayed due to right-of-way, environmental, and permitting issues with Caltrans. Risk high for further delay.

POTENTIAL RISKS

- Environmental issues with soil and groundwater could lead to additional investigations and delays (High risk ).
- Processing encroachment permit application for proposed potholing, CCTV inspections, traffic control within State ROW, and ROW certifications (High risk ).
- Potential budget impacts due to: Preliminary Engineering design errors/omissions and potential change cost exposure. (High risk ).
- Timely approval of final design drawings through Caltrans (Medium risk ).
- Potential unforeseen and difficult underground conditions during construction of bridge foundations (Medium risk ).
- Relocation of fiber optics communication lines prior to construction (Low risk ).

Division 13 Bus Maintenance Facility







 BUDGET	Original	Current	Forecast
Total Cost (\$ mil.)	95	120	120

- No issues to report

 SCHEDULE	Original	Current	Forecast
Project Complete	July 2014	July 2015	Sept 2015

- Delays due to issues with ventilation system and other punch list items.

POTENTIAL RISKS

- Timely closeout of punch list items (Medium risk ).
- Finalizing public artwork “Lantern” installation (Medium risk ).
- Design errors and changes during interior construction (Low risk ).
- Timely installation of new Metro Drive traffic signal (Low risk ).

P3010 Rail Car Vehicle Procurement



BUDGET	*Original	**Current	**Forecast
Total Cost (\$ mil.)	\$342	\$972	\$972

- *Budget for 78 Base Order Cars
- **Budget for 97 Options 1 & 4 Cars and 60 Options 2 & 3 Cars
- Board approved an LOP Budget increase of \$263 million in April to exercise Options 2 & 3

SCHEDULE	Original	Current	Forecast
Final Acceptance	Jan 2017	Feb 2019	Feb 2019

- No issues to report.

POTENTIAL RISKS

- Schedule is very aggressive and any impacts to critical activities could result in delayed deliveries. (Medium risk).
- Timely conduct of on-site design conformance testing. Coordination meetings are being conducted to mitigate potential issues. (Low risk).
- Timely execution of Contract Modification (CM). Currently good progress is being made. (Low risk).

On target Possible problem Major issue

Risk is Decreasing (Improving) Risk is Increasing (Worsening) Risk is Unchanged since last month New Risk

Gold Line Foothill Extension (Phase 2A)



BUDGET	Original	Current	Forecast
Total Cost (\$ mil.)	690	741	741

- No issues to report.

SCHEDULE	Original	Current	Forecast
Rev. Operation	Nov 2016	May 2016	Mar 2016

- Metro has agreed to early acceptance of Maintenance & Operating Facility.

POTENTIAL RISKS

- Metro is assessing operational scenarios related to opening of this project by March 2016 (Low risk).

On target
 Possible problem
 Major issue

Risk is Decreasing (Improving)
 Risk is Increasing (Worsening)
 Risk is Unchanged since last month
 New Risk

Gold Line Foothill Extension (Phase 2A)




RECENT ACTIVITIES/ISSUES


- Construction is approximately 95% complete
- Civil work complete
- Track installation complete
- Architectural work ongoing at stations
- Systems
 - OCS complete
 - Train control system complete
 - Communications system complete
- Maintenance Facility
 - Facility is substantially complete
 - Held dedication ceremony on May 23, 2015
- Testing
 - Continue systems integration testing (SIT)
 - Continue OCS and train control local field acceptance testing (LFAT)
 - Continue communications LFAT

Exposition Phase II






 BUDGET	Original	Current	Forecast
Total Cost (\$ mil.)	1,511	1,511	1,511




- No issues to report.






 SCHEDULE	Original	Current	Forecast
Rev. Operation	Nov 2016	Apr 2016	Apr 2016

- No issues to report.

POTENTIAL RISKS

- Delays associated with Trackwork, systems installation and testing, Maintenance Facility) (Med risk .
- Delay in energizing the Traction Power Substation at the OMF (Med risk .
- Metro is assessing operational scenarios related to opening this project by April 2016 (Low risk .

 On target
  Possible problem
  Major issue


 Risk is Decreasing (Improving)
  Risk is Increasing (Worsening)
  Risk is Unchanged since last month
  New Risk

Exposition Phase II



RECENT ACTIVITIES/ISSUES


- Design is 99% complete and construction 92% complete
- The mainline and OMF contracts are forecasting Substantial Completion dates of Dec 1 and Nov 4 respectively.
- The contractors, Metro and Expo are working to develop interim milestones that will allow for Pre-Revenue operations to begin in the September to October timeframe and have the OMF facility available to accept LRT vehicles in September.
- The contractor experienced larger than expected settlement at one of the MSE wall locations due to an extensive clay layer.
 - The contractor has received proposals and is finalizing scope and cost with 2 geotechnical firms for soil stabilization measures to halt the settlement.
 - This work can be done concurrently with the systems installation and is not anticipated to affect the current schedule.
 - There have been no issues with the wall panels due to the settlement.

Project Status Sheets




CRENSHAW/LAX TRANSIT PROJECT

As of May 2015

LOCATION: Crenshaw Blvd at Exposition to Green Line DESIGN/CONSULTANT: Hatch Mott MacDonald				CONSTRUCTION MANAGEMENT CONSULTANT: Stantec CONTRACTOR: Walsh-Shea Corridor Constructors (WSCC)			
PROJECT PHOTO: Clearing for Utility Investigation and Guideway Installation at Florence Between Centinela and Redondo.				WORK COMPLETED PAST MONTH:			
				<ul style="list-style-type: none"> o WSCC continued final design. o WSCC continued pile installation for UG#1 near LAX airport runways. o WSCC completed abutment piles at Century Station Bridge. o WSCC continued La Brea Ave bridge abutment work. o WSCC commenced pile installation at UG#4 on Crenshaw Blvd. o WSCC completed pile installation at Vernon Station. o WSCC completed utility support in place under street decking and continued excavation of station box at MLK Station. o WSCC continued station excavation to 2nd tier level at Expo Station. o Metro continued real estate acquisitions with focus on partial-takes and temporary construction easements. 			
EXPENDITURE STATUS (\$ In Millions)				SCHEDULE ASSESSMENT			
ACTIVITIES	CURRENT BUDGET	EXPENDED AMOUNT	PERCENT EXPENDED	MAJOR SCHEDULE ACTIVITIES	PRIOR PLAN	CURRENT PLAN	VARIANCE WEEKS
DESIGN	\$ 136.7	\$ 102.1	74.7%	Environmental			
				FBS/FEIR	Sep-11	Sep-11	Complete
				Record of Decision	Dec-11	Dec-11	Complete
RIGHT-OF-WAY	\$ 127.4	\$ 108.7	85.3%	Design			
CONSTRUCTION	\$ 1,353.1	\$ 329.8	24.4%	Preliminary Engineering	Nov-11	Nov-11	Complete
				Final Design	Sep-15	Nov-15	2.9 months behind
OTHER	\$ 440.8	\$ 107.7	24.4%	Right-of-Way			
TOTAL	\$ 2,058.0	\$ 648.2	31.5%	Full take parcels available	Jan-15	Jan-15	Complete
Note: cost expended as of May 2, 2015.				Part-take and TCE parcels	Sep-15	Sep-15	On schedule
AREAS OF CONCERN				Construction			
<ul style="list-style-type: none"> o Third party relocations prior to design-builder's construction. o Design-builder's ability to mitigate schedule delays. o Design-builder's schedule does not accurately forecast its work efforts. o Timely review of WSCC's design submittals by City of Los Angeles, City of Inglewood, Caltrans, FAA and LAWA. o LAWA's work windows for design-builder near LAX. o New proposed 96th street station cost/schedule impacts. o Execution of Agreement with City of Inglewood. 				D-B Notice to Proceed	Sep-13	Sep-13	Complete
				D-B Substantial Complete	Oct-18	Feb-19	4.2 months behind
				Revenue Service Date	Oct-19	Oct-19	On schedule*
				The D-B Substantial Complete prior plan was modified by a 35 day concurrent delay contract modification in March 2015.			
				*Note: Current Revenue Service Date includes a reduction in contingency.			
ROW ACQUISITION	PLAN	ACQUIRED	REMAINING	CRITICAL ACTIVITIES / 3 MONTH LOOK AHEAD			
FULL TAKES	35	35	0	<ul style="list-style-type: none"> o WSCC continue excavation to 2nd tier level at Expo Station. o WSCC continue station box excavation at MLK Station. o WSCC commence decking operation at Vernon Station. o WSCC continue working on Century, Imperial, La Brea and Manchester aerial structures. o WSCC commence pile installation at I-405 bridge o WSCC commence pile installation for UG#3 on Crenshaw Blvd o WSCC complete pile installation for UG#1 near airport runway. o Metro issue notice-to-proceed for Division 16 Southwestern Yard. 			
PARTIAL TAKES	27	15	12				
TEMPORARY EASEMENTS	12	8	4				
TOTAL PARCELS	74	58	16				

WESTSIDE PURPLE LINE EXTENSION SECTION 1 PROJECT


As of May 2015

LOCATION: Los Angeles / Beverly Hills				CONSTRUCTION MANAGEMENT CONSULTANT: WEST, a Joint Venture			
DESIGN CONSULTANT: Parsons / Brinckerhoff				CONTRACTOR: Skanska, Traylor and Shea, a Joint Venture			
Setting Power Vault on Wilshire				WORK COMPLETED PAST MONTH			
				<ul style="list-style-type: none"> - Continuing real estate acquisitions - C1045 Design/Build: Final design underway for five of six design units - C1045 Design/Build: Revision to Baseline Schedule in progress - C1045 Design/Build: Wilshire/Western TBM Shaft 60% design review complete - C1045 Design/Build: Wilshire/La Brea SOE 85% design package in review - C1045 Design/Build: Geotechnical exploration field work underway - C1045 Design/Build: La Brea alley relocation complete - C1055 Wilshire/Fairfax AUR: Waterline and power work continues - C1056 Wilshire/La Cienega AUR: Power utility relocation on Wilshire continues 			
EXPENDITURE STATUS (\$ In Millions)				SCHEDULE ASSESSMENT			
ACTIVITIES	CURRENT BUDGET	EXPENDED AMOUNT	PERCENT EXPENDED	MAJOR SCHEDULE ACTIVITIES	PRIOR PLAN	CURRENT PLAN	VARIANCE WEEKS
DESIGN	\$157.7	\$74.8	47.4%	Environmental			
				FEIS / FEIR	N/A	05/31/12	Complete
RIGHT-OF-WAY	\$175.6	\$112.3	64.0%	Design			
CONSTRUCTION	\$1,737.4	\$153.5	8.8%	PE Notice to Proceed	N/A	01/12/11	Complete
				Final Design complete	03/22/17	03/22/17	0
OTHER	\$1,078.7	\$80.7	7.5%	Right-of-Way			
TOTAL	\$3,149.4	\$421.3	13.4%	All parcels available	12/31/15	12/31/15	0
Current Budget includes Environmental/Planning and Finance Costs.				Construction - Main Design / Build Contract			
AREAS OF CONCERN				Notice to Proceed	01/12/15	01/12/15	Complete
Timely resolution of the CEQA and NEPA law suits. CEQA Judge ruled in favor of Metro's position on the Beverly Hills Unified School District and City of Beverly Hills law suits, and both petitioners have appealed the ruling. Judge to schedule oral argument. U.S. District Court Judge has taken the December 2014 hearing for summary judgment off the calendar and has yet set a new date.				Construction complete	11/08/23	11/08/23	0
ROW ACQUISITION	PLAN	ACQUIRED	REMAINING	CRITICAL ACTIVITIES / 3 MONTH LOOK AHEAD			
PERMANENT PARCELS	14	5	9	<ul style="list-style-type: none"> - C1045 Design/Build: Final design continuing - C1045 Design/Build: TBM procurement - C1045 Design/Build: La Brea utility work to begin - C1045 Design/Build: La Brea North site preparation - C1045 Design/Build: Demo of buildings La Brea, Fairfax staging sites - C1055 Wilshire/Fairfax AUR: Power work complete MS#2 - C1055 Wilshire/Fairfax AUR: Water line construction continuing - C1056 Wilshire/La Cienega AUR: Power relocation work continues 			
TEMPORARY PARCELS	4	1	3				
TOTAL PARCELS	18	6	12				

LOCATION: Downtown Los Angeles DESIGN CONSULTANT: Connector Partnership JV				CONSTRUCTION MANAGEMENT CONSULTANT: ARCADIS CONTRACTORS: Regional Connector Constructors, Joint Venture (C0980)			
Pile Installation at Mangrove Yard (TBM Launch Pit)				WORK/ACTIVITY COMPLETED PAST MONTH			
				<ul style="list-style-type: none"> RCC submitted 85% Civil Design package and Central Avenue 20" water relocation. RCC submitted Hope and Broadway Sts. SOE Final Design Packages for approval. RCC started pile installation for TBM Launch Pit at the Mangrove Yard. RCC installed a transformer and switchgear for a Substation at the Mangrove Yard. RCC completed a Water Bypass Tie-in on 5th/Flower. RCC completed a Pre-Con Survey to photograph existing conditions at the World Trade Center at 3rd St. and Flower. Metro completed review of 60% Traction Power and Communication, 100% Shoofly Supplemental and Specifications, and Advance AFC Specifications Design Packages. Metro completed review of Bored Tunnel 85% Design and 100% Specifications. 			
EXPENDITURE STATUS (\$ In Millions)				SCHEDULE ASSESSMENT			
ACTIVITIES	CURRENT BUDGET	EXPENDED AMOUNT	PERCENT EXPENDED	MAJOR SCHEDULE ACTIVITIES	PRIOR PERIOD	CURRENT PLAN	VARIANCE WEEKS
DESIGN	\$119.2	\$86.3	72.3%	Environmental			
				FBS / FBR	N/A	04/26/12	Complete
RIGHT-OF-WAY	\$102.0	\$47.4	46.5%	Design			
				PE Notice to Proceed	N/A	01/04/11	Complete
CONSTRUCTION	\$1,009.8	\$190.2	18.8%	Final Design complete	04/07/16	05/23/16	7
OTHER	\$229.0	\$61.2	26.7%	Note: Based on the latest approved D/B Contractor's schedule, The Systems Design Package was delayed by seven weeks.			
TOTAL	\$1,460.0	\$385.0	26.4%	Right-of-Way			
				All parcels available	06/01/16	06/01/16	0
Current Budget reflects Board approved Life-of-Project Budget and does not include Finance Charges. Note: Expended amount is through 04/30/2015				Note: ROW dates are adjusted to reflect the latest D/B Contractor's coordinated need Dates. Duco Yard is not needed until 08/15/18. Construction - Design / Build Contract			
				Notice to Proceed	07/07/14	07/07/14	Complete
				Construction complete	08/28/20	8/28/20*	0
				Revenue Service Date	10/27/20	10/27/20*	0
				Note: * Based on the Board Meeting in April 2015, the project is reflecting six months potential delay due to additional AUR work transferred to C0980 Contract			
AREAS OF CONCERN				CRITICAL ACTIVITIES / 3 MONTH LOOKAHEAD			
<ul style="list-style-type: none"> NEPA Law suits could potentially delay the construction of C0980 Contract on Flower Street. The NEPA trial concluded on Feb. 24, 2014. In an order issued on May 29, 2014, Judge Kronstadt concluded the FBS did not sufficiently discuss alternative tunneling methods. FTA has approved draft SEIS on May 27, 2015. It will be finalized after satisfactory resolution of public comments. Estimated completion is end of August 2015 before the D/B contractor is scheduled to commence cut-and-cover construction on Flower St. No impact is anticipated to D/B Contractor. Differing site conditions such as unknown utilities, restrictions on peak hour exemptions Traffic Control Plans approval delay have impacted scheduled completion of the Advanced Utility Relocation (AUR) work. C0981R contract was terminated for convenience and Metro Board approved transfer of work to C0980 on April 30, 2015. As the exploratory work continued and relocation plans are streamlined, more details on the impact and mitigation would be finalized working closely with DMP and RCC. Metro's current plan is to complete discovery/design in June, schedule integration (RCC) in July and final schedule analysis/negotiations in August 2015. 				<ul style="list-style-type: none"> RCC continues to set up the Mangrove and 1st/Central yards. RCC continues Storm Drain installation at the Mangrove and 1st/Central Yards. RCC will continue Potholing – Wye at 1st/Alameda. RCC continues pile installation for the TBM Launch Pit. RCC will begin potholing for a 24" water line alignment on Flower. RCC will begin preparation for AT&T and MCI communication lowering at 2nd/Broadway. RCC continues potholing for a 48" Storm Drain at 6th/Flower, identified as critical. RCC continues preparation of submittals and traffic control plans, including weekly meetings with LADOT and City Council District 14. RCC continues with potholing at 2nd/Broadway and Flower St. to identify existing utilities and corridors for the remaining ductbank work. Level 3 and Verizon Business/MCI need to complete cable pulling and splicing on Flower St. 			
ROW ACQUISITION	PLAN	ACQUIRED	REMAINING				
PERMANENT PARCELS	5	2	3				
TEMPORARY PARCELS	29	12	17				
TOTAL PARCELS	34	14	20				

I-405 SEPULVEDA PASS IMPROVEMENTS PROJECT

As of May 2015

LOCATION: I-405 Sepulveda Pass Improvements Project				CONSTRUCTION MANAGEMENT CONSULTANT: Stantec			
DESIGN/CONSULTANT: Kiewit (D/B)				CONTRACTOR: Kiewit (D/B)			
PROJECT PHOTO				WORK COMPLETED PAST MONTH			
<p>Aerial View of Wilshire Interchange</p> 				<ul style="list-style-type: none"> - Project Completion Walk-through with Contractor and Caltrans completed. - Contractor Correcting Non-Conforming work on Barriers and Walls 			
EXPENDITURE STATUS				SCHEDULE ASSESSMENT			
(\$ In Millions)							
ACTIVITIES	CURRENT BUDGET	EXPENDED AMOUNT	PERCENT EXPENDED	MAJOR SCHEDULE ACTIVITIES	PRIOR PLAN	CURRENT PLAN	VARIANCE WEEKS
DESIGN (Preliminary) (PA&ED/PS&E)	\$47.0	\$47.0	100.0%	Environmental			
RIGHT-OF-WAY (Capital/Support/3rd Party)	\$78.4	\$71.5	91.2%	End Environmental Phase (PA&ED)	Mar-08	Mar-08	Complete
CONSTRUCTION (Construction Support/Construction)	\$1,013.4	\$991.0	97.8%	Design			
Reversible Lane	\$2.6	\$1.5	57.7%	End Design Support Phase (D/B)	Sep-15	Sep-15	0
TOTAL	\$1,141.4	\$1,111.0	97.3%	Right-of-Way			
				ROW Certification	Sep-15	Sep-15	0
AREAS OF CONCERN				Construction			
Cracks in Retaining Walls/Soil Nail Walls (Case 1 and Case 2)				Opening of SB I-405 Realignment	May-14	May-14	Complete
Slope Paving under Bridges 7, 8, & 20				Substantial Completion	Sep-15	Sep-15	0
ROW ACQUISITION (Caltrans)				CRITICAL ACTIVITIES / 3 MONTH LOOK AHEAD			
PARCELS AQUIRED			66	Application for Substantial Completion - Mid June 2015			
PARCELS NOT AQUIRED (Salvation Army-Litigation Pending)			1	Project Wide Substantial Completion Acceptance - End of September 2015			
DECERTIFIED PARCELS			12				
PAST DUE WITH NO APPARENT SCHEDULE IMPACT			0				
ADDITIONAL IMPACTS REQUIRING APPRAISAL MAPS			0				
TOTAL REQUIRED PARCELS			79				

METRO DIVISION 13

Bus Maintenance and CNG Fueling Facility

As of May 2015

LOCATION:	Los Angeles	CONSTRUCTION MANAGEMENT CONSULTANT:	MARRS
DESIGN CONSULTANT:	MDG	CONTRACTOR:	McCarthy

PHOTO Federal Secretary Fox & CEO Phil Washington



WORK COMPLETED PAST MONTH

- Completed installation of Artwork Lantern translucent panels
- Continued work commissioning elevators 2 of 3 accepted
- Continue testing fire alarm systems through buildings
- Continue interior build out of dry wall, sprinklers and MEP
- Continue sack and patch of concrete at upper levels
- Planted trees on Cesar Chavez Ave
- Completed installation of roofing systems
- Continue installation of permanent maintenance equipment
- Continue installation of City C&G, sidewalks along Cesar & Lyon
- Continue interior finishes in Transportation Building
- Obtained service for 10 inch fire/water line Cesa/Lyon Streets

EXPENDITURE STATUS (\$ In Millions)				SCHEDULE ASSESSMENT			
ACTIVITIES	CURRENT BUDGET	EXPENDED AMOUNT	PERCENT EXPENDED	MAJOR SCHEDULE ACTIVITIES	PRIOR PLAN	CURRENT PLAN	VARIANCE (WEEKS)
DESIGN	6.593	6.593	100.0%	Environmental			
				Categorical Exemption	Dec-09 A	Dec-09 A	Complete
RIGHT-OF-WAY	0	0	n/a	Design			
				Final Design	Oct-09 A	Oct-09 A	Complete
CONSTRUCTION	88.8	81.98	92.3%	Right-of-Way			
				Not Applicable	n/a	n/a	n/a
OTHER	24.95	20.35	81.6%				
TOTAL	120.34	108.92	90.5%	Construction			
Expenses as of 4/30/2015				Notice to Proceed	Jul-12 A	Jul-12 A	Complete
				Construction Complete	Jul-15	Sep-15	8

AREAS OF CONCERN				CRITICAL ACTIVITIES / 3 MONTH LOOK AHEAD			
<ul style="list-style-type: none"> • Commissioning of MEP systems • Lighting leveles in low er level of parking garage • Installation by Metro of ITS System throughtout buildings • Low voltage, ITS, communication, etc. installation by Metro • Approval of Fire Marshall to accept MEP systems • Time to procure and install critical HVAC compenents 				<ul style="list-style-type: none"> • Installation of owner supplied fumature • Grind and overlay AC pavement of Cesa Chavez Ave by City • Installation of the artwork lantern bird deterrent • Procure & install starters for HVAC motors building C • Complete State inspection punch list for 1 of 3 elevators • Complete permanent stripping on Cesar & Vignes Streets • Obtain Fire Marshall approval for systems to fuel CNG buses • Obtain Fire Marshall approval to place fluits in lube tanks • Continue installation of mechanical, electrical and plumbing • Continue installing frames, doors, hardware and window glazing • Continue commissioning of the MEP systems • Continue installaion of the communication/ ITS systems by Metro • Continue installation of photovoltaic panels 			
ROW ACQUISITION	PLAN	ACQUIRED	REMAINING				
PERMANENT PARCELS	0	n/a	0				
TEMPORARY PARCELS	0	n/a	0				
TOTAL PARCELS	0	n/a	0				