



Board Report

File #: 2016-0363, **File Type:** Oral Report / Presentation

Agenda Number: 19

**CONSTRUCTION COMMITTEE
May 19, 2016**

RECEIVE Oral Report by the Program Management Executive Director.

DISCUSSION

RECEIVE Oral Report by the Program Management Executive Director.

ATTACHMENTS

Attachment A - Program Management Executive Director's Report - May 2016

Attachment B - Project Status Sheets - May 2016

Prepared by:

- **Crenshaw/LAX** - Charles Beauvoir, Deputy Executive Officer, Project Mgmt., (213)299-3095
- **Regional Connector** - Girish Roy, Deputy Executive Officer, Project Mgmt., (213)893-7119
- **Westside Purple Line Ext 1 and 2-** Dennis Mori, EO Project Mgmt., (213)922-7238
- **I-405** - Nazem Moussa, Deputy Executive Officer, Project Mgmt. (213)922-7221
- **Division 13** - Timothy Lindholm, EO Project Engr., (213)922-7297
- **Patsaouras Plaza Busway Station** - Timothy Lindholm, EO Project Engr., (213)922-7297
- **MRL - MOL North Hollywood Station** - Timothy Lindholm, EO Project Engr., (213)922-7297
- **Universal Pedestrian Bridge** - Timothy Lindholm, EO Project Engr., (213)922-7297
- **Presentation** - Shannon Hanley, Senior Administrative Analyst, (213)922-1350

Reviewed by: Richard Clarke, Executive Director, Program Management, (213) 922-7557

Program Management Executive Director's Report

Project Status Report

Presented By

Richard Clarke



















Executive Director,
Program Management




May 2016

Construction Committee
Los Angeles County Metropolitan Transportation Authority



PROJECT BUDGET & SCHEDULE STATUS SUMMARY CHART

Project	Cost Performance	Schedule Performance	Comments
Crenshaw/LAX			Need to conclude 96 th Street Station accommodation time impact as well as other time extensions requests from contractor.
Westside Purple Line Extension-Section 1			
Westside Purple Line Extension-Section 2			
Regional Connector			Need to conclude schedule recovery negotiations.
1-405 Sepulveda Pass improvements Project			Working through remaining items for Final Acceptance. Preparation for Claim 86 arbitration is ongoing.
Patsaouras Plaza			Budget revision approved by Board in March 2016. Utility relocations are scheduled to start May 2016 and foundation work will start in Summer 2016.
Division 13			Project is 100% complete and open as of February 1, 2016.
Universal City Pedestrian Bridge			Construction substantially completed on April 7th, 2016. Punch List and close out work is in progress
MOL to MRL North Hollywood Connector			Construction is 70% complete. There are no significant issues on this project at this time.

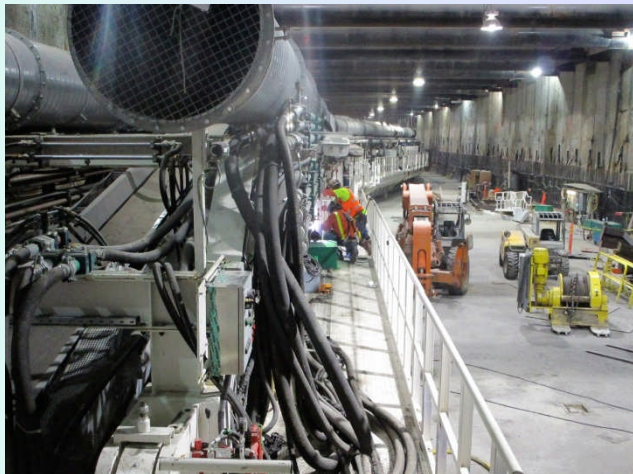
 On target
  Possible problem
  Major issue

CRENSHAW/LAX TRANSIT PROJECT

 BUDGET	Current	Forecast
TOTAL COST	\$2,058M	\$2,058M

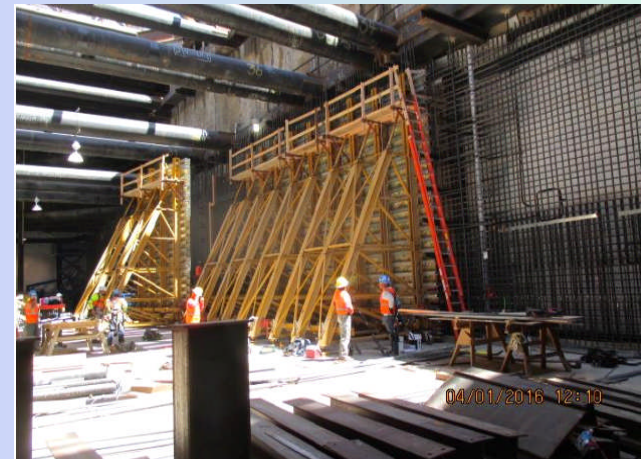
 SCHEDULE	Current	Forecast
REVENUE OPERATION	Oct 2019	Oct 2019

- Overall construction progress is 37.2% complete (excludes contractor mobilization costs).
- 96th Street Station Accommodation cost and schedule negotiations nearing completion.
- Tunneling from Expo/Crenshaw Station toward Leimert Park Station commenced in April.
- Park Mesa Heights construction commenced in April.
- Continued bridge falsework construction for Crenshaw Project tie-in with operating Green Line.
- Southwestern Yard construction to start in May.



Expo/Crenshaw Station

Looking north from the TBM toward the trailing gear gantries






Forming lower walls

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 On target  Possible problem  Major issue

WESTSIDE PURPLE LINE – SECTION 1

OK BUDGET		
	Current	Forecast
TOTAL COST*	\$3,154M	\$3,154M

* Includes Board approved LOP plus Planning and Finance costs.

OK SCHEDULE		
	Current	Forecast
REV. OPERATION	Nov 2023	Nov 2023

The Advanced Utility Relocations (AUR) work involving three contracts is 87% complete overall.

- Two of the three Advanced Utility Relocations Contracts have been completed on schedule.
- The LADWP power relocations at the Wilshire/Fairfax Station are on-going and are anticipated to complete by mid-September 2016. Southern California Edison (SCE) and City of Beverly Hills sewer, water and storm drain relocations continue. This is the last AUR contract and is on schedule to be completed in December 2016.

Tunnels, Stations, Trackwork and Systems Design-Build Contract

- Final Design for the Tunnels, three subway stations, trackwork, and systems is 85% complete overall.
- Pile installation at the Wilshire/La Brea Station is well underway to support the excavation at the launch site for the Tunnel Boring Machines.



Wilshire/La Brea Station – Preparation for Deck Beams



Electrical Metering Switchgear for Tunnel Operations

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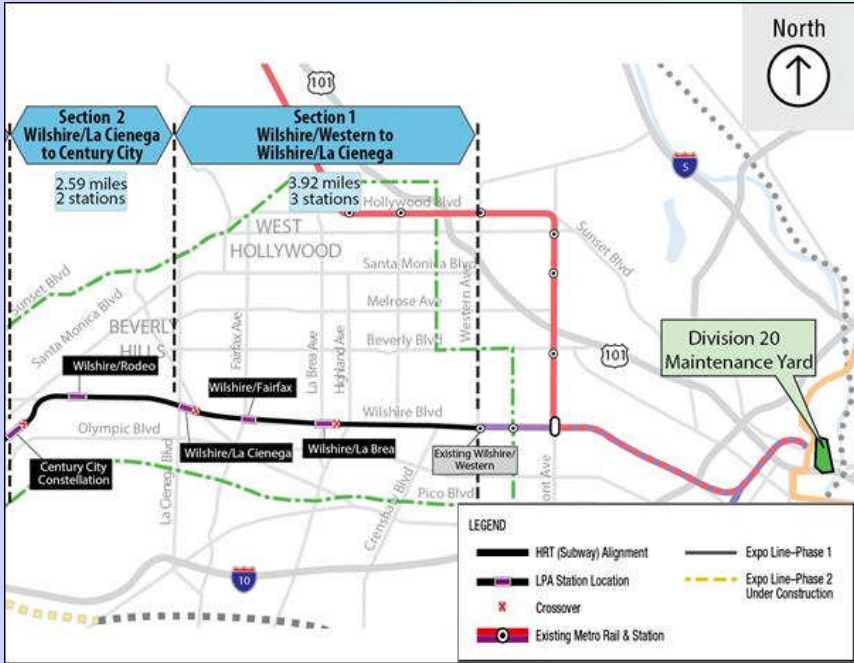
OK On target ◆ Possible problem ▲ Major issue

WESTSIDE PURPLE LINE – SECTION 2

OK BUDGET		
	Current	Forecast
TOTAL COST	TBD	\$2,467M
Life-of-Project Budget is yet to be adopted		

OK SCHEDULE		
	Current	Forecast
REV. OPERATION	TBD	August 2025

- Contract C1120 – Design/Build Request for Qualifications/Request for Proposal was released on September 14, 2015.
- The three teams meeting the minimum requirements as a result of the RFQ were announced on December 4, 2015.
- Price proposals are due on June 1, 2016.
- FFGA anticipated approval August 2016.
- Contract award anticipated January 2017.



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OK On target Possible problem Major issue

REGIONAL CONNECTOR TRANSIT CORRIDOR

 BUDGET		
	Current	Forecast
TOTAL COST	\$1,599M	TBD

* Includes Board approved LOP plus Planning and Finance costs.

 SCHEDULE		
	Current	Forecast
REV. OPERATION	June 2021	June 2021

- Overall Project Progress is 17.6%, Design Build (DB) Construction is 10.1% and DB Final Design is 90.1% complete.
- Station Excavation/Lagging/Bracing continued at 1st/Central station and reached 18 ft. below surface.
- Installed 77 piles representing 38% of total count at 2nd/Hope; grading and station excavation underway.
- All electrical ductbanks at 2nd/Broadway have been installed and are being transitioned into LADWP ownership.
- On the east side of Flower St., between 4th and 5th Sts., 50 Piles out of 90 have been installed and DWP approved the Water Tie-In Phasing Plan.
- Schedule recovery negotiations ongoing.

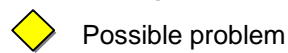
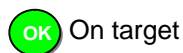


Excavation and tieback activities at 1st/Central Station


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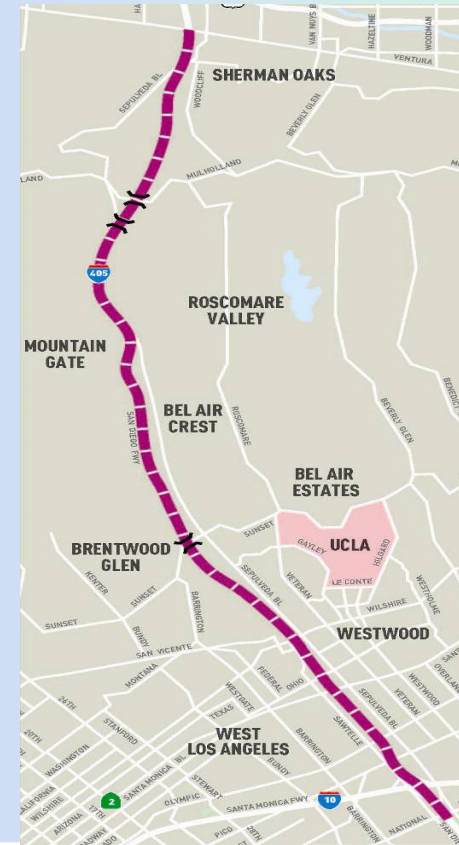


I-405 SEPULVEDA PASS IMPROVEMENTS PROJECT

 BUDGET	Current	Forecast
TOTAL COST	\$1,308M	\$1,308M

 SCHEDULE	Current	Forecast
SUBSTANTIAL COMPLETION	Sept 2015	Sept 2015




- Contractor is working toward Final Completion
- Working through remaining items for Final Acceptance
- Preparation for Claim 86 arbitration is ongoing
- Forecast does not include non-merited Claim 86



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 On target  Possible problem  Major issue

PATSAOURAS PLAZA BUSWAY STATION

OK BUDGET	Current	Forecast
TOTAL COST	\$39.7M	\$39.7M

OK SCHEDULE	Current	Forecast
REV. OPERATION	Dec 2017	Dec 2017

- Utility start of construction scheduled for May 2016, foundations in August 2016. Utility relocation must be completed by August 2016 to avoid conflicts with foundation construction.
- Work in progress includes final approval of 100% design package with Caltrans, receipt of Caltrans permits, ROW certifications, utility clearances, resolution of environmental issues with Caltrans, and exemptions to start construction.
- Board approved revised LOP budget in March 2016.
- Project completion scheduled for Winter 2017.



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OK On target **◆** Possible problem **▲** Major issue

DIVISION 13 BUS O&M FACILITY



BUDGET

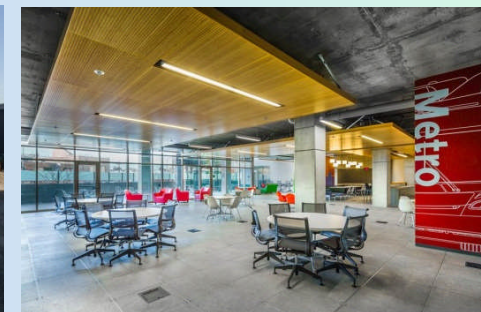
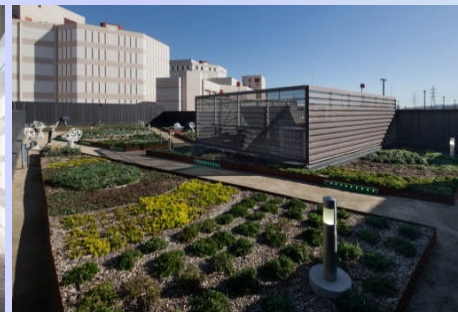
	Current	Forecast
TOTAL COST	\$120M	\$120M



SCHEDULE

	Current	Forecast
REV. OPERATION	Feb 2016	Feb 2016

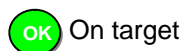
- Project is 100% complete and open as of February 1, 2016.
- Current activities include final punch list completion and close out of the contract with McCarthy.
- Project has been nominated as a finalist for 2016 Transit Project of the Year for the California Transportation Foundation awards, the International Interior Design Association Calibre Design Awards, and the Building Design & Construction magazine awards.



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On target



Possible problem




Major issue



Metro

UNIVERSAL PEDESTRIAN BRIDGE

 BUDGET	Current	Forecast
TOTAL COST	\$29.6M	\$29.6M

 SCHEDULE	Current	Forecast
REV. OPERATION	April 2016	April 2016




- Bridge was opened to public on April 7, 2016 to coincide with the opening of Harry Potter attraction by NBCUniversal
- Punch List items and close out process started




May 2016

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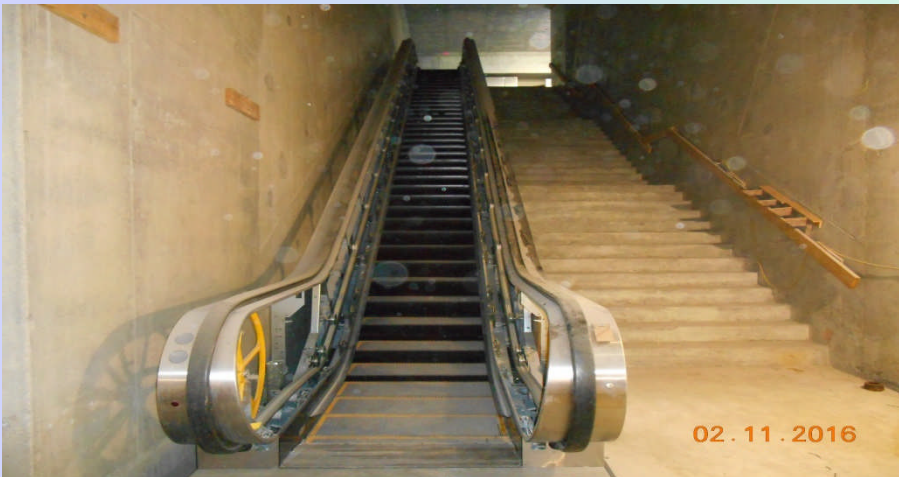
 On target  Possible problem  Major issue

MRL-MOL N. HOLLYWOOD STATION WEST ENTRANCE

 BUDGET	Current	Forecast
TOTAL COST	\$23M	\$23M

 SCHEDULE	Current	Forecast
REV. OPERATION	Jul 2016	Jul 2016




- Construction 70% complete
- Targeted completion by June 2016
- Mural Installation at new location completed
- Escalator and Elevators installation in progress
- Floor Tiles, Roof and Canopy work in progress
- TVM and Fare-gates installation to start



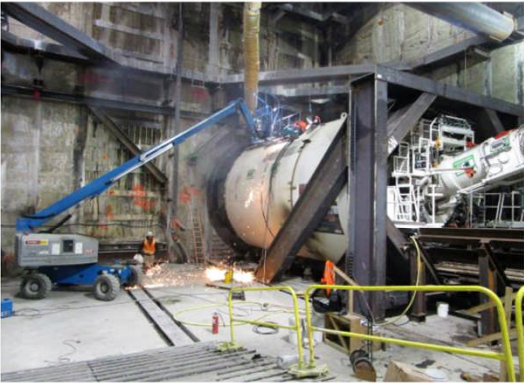
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 On target  Possible problem  Major issue


Project Status Sheets-Crenshaw/LAX

LOCATION: Crenshaw Blvd at Exposition to Green Line DESIGN/CONSULTANT: Hatch Mott				CONSTRUCTION MANAGEMENT CONSULTANT: Stantec CONTRACTOR: Walsh-Shea Corridor Constructors (WSCC)			
PROJECT PHOTO: Preparing for start of tunneling at Expo/Crenshaw Station in April.				WORK COMPLETED PAST MONTH:			
				<ul style="list-style-type: none"> o Design-builder continues final design. o Continued construction efforts for UG#1 near LAX airport runways o Continued Falsework construction at the Green Line tie-in. o Continued superstructure construction for Century bridge. o Continued offsite tunnel segment production. o Continued abutment wall installation at I-405 bridge. o Completed superstructure work for the La Brea bridge. o Continued pot holing in advance of starting work at Park Mesa area. o Continued soil excavation at Leimert Park Station. o Completed soil excavation at MLK Station. o TBM setup continued at Expo/Crenshaw Station. o Continued real estate acquisitions with emphasis on remaining partial-takes and temporary construction easements. o Southwestern Yard design-builder continued final design. 			
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	\$ 117.7	86.1%	Environmental			
RIGHT-OF-WAY	\$ 127.4	\$ 112.3	88.1%	FEIS/FEIR	Sep-11	Sep-11	Complete
CONSTRUCTION	\$ 1,353.1	\$ 517.0	38.2%	Record of Decision	Dec-11	Dec-11	Complete
OTHER	\$ 440.8	\$ 140.7	31.9%	Design			
TOTAL	\$ 2,058.0	\$ 887.7	43.1%	Preliminary Engineering	Nov-11	Nov-11	Complete
Note: cost expended as of April 2, 2016.				Final Design	Sep-15	Jun-16	9.4 months behind
AREAS OF CONCERN				Right-of-Way			
<ul style="list-style-type: none"> o Design-builder's ability to mitigate schedule delays. o Timely review of WSCC's design submittals by City of Los Angeles. o 96th street station cost and schedule potential impacts. 				Full-take parcels available	Jan-15	Jan-15	Complete
				Part-take and TCE parcels	Sep-15	May-16	7.5 months behind
				Construction			
				D-B Notice to Proceed	Sep-13	Sep-13	Complete
				D-B Substantial Complete	Oct-18	Apr-19	5.7 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 significant reduction in contingency.			
ROW ACQUISITION	PLAN	ACQUIRED	REMAINING	CRITICAL ACTIVITIES / 3 MONTH LOOK AHEAD			
FULL TAKES	37	35	2	<ul style="list-style-type: none"> o Launch TBM mining south bound tunnel at Expo/Crenshaw Station. o Complete excavation at Leimert Park Station. o Commence invert concrete placement at MLK Station. o Commence work on Park Mesa area. o Southwestern Yard design-builder to commence construction in May. 			
PARTIAL TAKES	27	23	4				
TEMPORARY EASEMENTS	15	12	3				
TOTAL PARCELS	79	70	9				

Project Status Sheets-Westside Purple Line, Seg 1

LOCATION: Los Angeles / Beverly Hills				CONSTRUCTION MANAGEMENT CONSULTANT: WEST, a Joint Venture			
DESIGN CONSULTANT: Parsons / Brinckerhoff				CONTRACTOR: Skanska, Traylor and Shea, a Joint Venture			
Slurry Backfill of Utility Relocations				WORK COMPLETED PAST MONTH			
				<ul style="list-style-type: none"> - C1045 Wilshire/Western AFC began - C1045 Wilshire/La Brea AFC began - C1045 Wilshire/Fairfax 100% design underway - C1045 Tunnel 100% design review by Metro - C1045 Systems/Trackwork 85% design review by Metro - C1045 Temporary TBM power substation switch gear in place - C1045 Utility relocation continues - C1045 Wilshire/La Brea pile delivery and north side installation continues - C1056 Storm Drain - Wilshire between La Cienega and Hamilton - C1045 Wilshire/Western demolition complete 			
EXPENDITURE STATUS (\$ In Millions)				SCHEDULE ASSESSMENT			
ACTIVITIES	CURRENT BUDGET	EXPENDED AMOUNT	PERCENT EXPENDED	MAJOR SCHEDULE ACTIVITIES	PRIOR PLAN	CURRENT PLAN	VARIANCE WEEKS
DESIGN	\$159.2	\$120.7	75.8%	Environmental			
				FES / FER	NA	05/31/12	Complete
RIGHT-OF-WAY	\$175.6	\$124.1	70.7%	Design			
				PE Notice to Proceed	NA	01/12/11	Complete
CONSTRUCTION	\$1,740.3	\$378.9	21.8%	Final Design complete	03/22/17	03/22/17	0
OTHER	\$1,079.3	\$98.5	9.1%	Right-of-Way			
TOTAL	\$3,154.4	\$722.2	22.9%	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
				Construction complete	11/08/23	11/08/23	0
				*Parcels related to the main D/B Contract C1045			
ROW ACQUISITION	PLAN	AVAILABLE	REMAINING	CRITICAL ACTIVITIES / 3 MONTH LOOK AHEAD			
PERMANENT PARCELS	15	14	1	<ul style="list-style-type: none"> - C1045 Dewatering wells installation - C1045 Removal of Wilshire/La Brea south yard tar sump - C1045 Wilshire/La Brea Station north side pile installation completes - C1045 Deck panels fabrication - C1056 Wilshire/La Cienega AUR: Power relocation work continuing - C1045 Wilshire/La Brea south side pile installation begins - C1045 Temporary tunnel ventilation design submittals - C1045 Wilshire/La Cienega 85% design submittal - C1045 Wilshire/La Brea AFC submittal - C1045 Wilshire/Western AFC submittal - C1045 Tunnel 100% design submittal 			
TEMPORARY PARCELS	4	4	0				
TOTAL PARCELS	19	18	1				

Project Status Sheets-Regional Connector

LOCATION: Downtown Los Angeles		CONSTRUCTION MANAGEMENT CONSULTANT: ARCADIS		
DESIGN CONSULTANT: Connector Partnership JV		CONTRACTOR: Regional Connector Constructors, Joint Venture		
Opening of Little Tokyo Station		WORK/ACTIVITY COMPLETED PAST MONTH		
		<ul style="list-style-type: none"> • Final Design 90.1%, DB construction 10.1% complete • 100% DU10 Traction Power Design, 100% Design Floating Slab Track Design, DU02 AFC Design for Flower St. Cut and Cover, 100% SOE Design Packages, and 85% DU11 Train Control Design for all stations • Bus Bridge # 1 and Shoofly Testing; Gold Line trains were operational starting Sunday, March 20, 2016 • Pile trenching for the Wye at 1st/Alameda • Pile installation for 1st St guideway • 2nd Place Bridge Demolition • Installation of trench drain at Hope site exit of 3rd/Flower • Video assessment of Zanja No. 8-R on Flower between 5th and 6th Sts. 		
EXPENDITURE STATUS (\$ In Millions)		SCHEDULE ASSESSMENT		
ACTIVITIES	CURRENT BUDGET	EXPENDED AMOUNT	PERCENT EXPENDED	MAJOR SCHEDULE ACTIVITIES
DESIGN	\$126.6	\$112.2	88.6%	Environmental
RIGHT-OF-WAY	\$110.5	\$68.7	62.2%	FES / FEIR
CONSTRUCTION	\$1,079.3	\$269.0	24.9%	SEIS Flower St.
OTHER	\$282.6	\$82.1	29.1%	Design
TOTAL	\$1,598.9	\$532.0	33.3%	PE Notice to Proceed
Current Budget reflects Board approved Life-of-Project Budget and includes Finance Charges. Note: Expended amount is through 02/29/2016.				Final Design complete
				Note: Completion of systems design is now projected for end of September 2016. No adverse impact to the overall schedule will result from this delay.
AREAS OF CONCERN • Schedule mitigation measures are being implemented across the alignment to address continuing and new delays precipitated by utility relocations.				Right-of-Way
				All parcels available
CRITICAL ACTIVITIES / 3 MONTH LOOK AHEAD • 100% design packages for all three stations and systems and review of the AFC for SOE design packages • Pile installation for the Wye at 1st/Alameda • Pile and tie-back installation, and station excavation at 1st/Central • 6", 8", 12" and 16" water line construction activities at 1st/Alameda • Start TBM SOE • Store TBM at a storage site • Decking at 1st/Alameda • Electrical duct bank installation at 2nd/Broadway • SOE Pile installation at 2nd/Hope • Permeation grouting at 2nd St. • Resolve Fire Life Safety (FLS) issues including emergency ventilation design and egress				06/01/16
				08/15/18
Note: ROW dates are adjusted to reflect the latest D/B Contractor's coordinated need Dates. Duco Yard need date is in August 2018.				26
				Construction - Design / Build Contract
Note: * The project is reflecting an approximate five-month delay to the RSD due to differing site conditions related to underground utilities.				Notice to Proceed
				07/07/14
ROW ACQUISITION				07/07/14
				Complete
Construction complete				03/20/21
				03/26/21
Revenue Service Date				1
				06/02/21
PLAN				06/08/21*
				1
CERTIFIED				Note: * The project is reflecting an approximate five-month delay to the RSD due to differing site conditions related to underground utilities.
				PERMANENT PARCELS
ACQUIRED				5
				5
REMAINING				4
				4
TEMPORARY PARCELS				1
				29
TOTAL PARCELS				16
				34
TOTAL PARCELS				21
				18
PERMANENT PARCELS				3
				5
TEMPORARY PARCELS				4
				29
TOTAL PARCELS				16
				34
PERMANENT PARCELS				5
				5
TEMPORARY PARCELS				4
				29
TOTAL PARCELS				16
				34
PERMANENT PARCELS				21
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TEMPORARY PARCELS				4
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TOTAL PARCELS				16
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PERMANENT PARCELS				21
				21
TEMPORARY PARCELS				4
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TOTAL PARCELS				16
				34