



**Board Report**

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

**Agenda Number:** 19

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**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

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# **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 <sup>th</sup> 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.

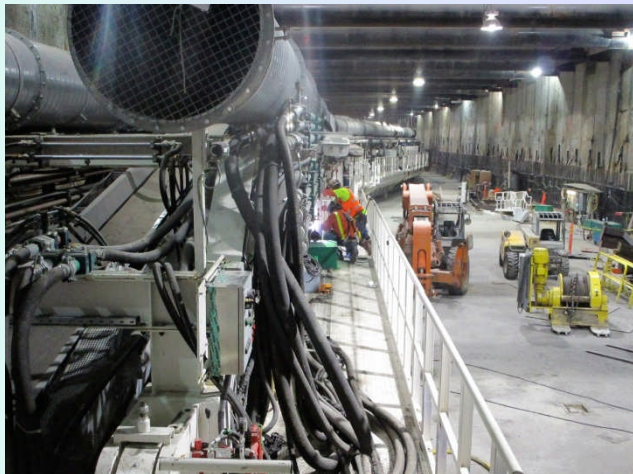
 On target    
  Possible problem    
  Major issue

# CRENSHAW/LAX TRANSIT PROJECT

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

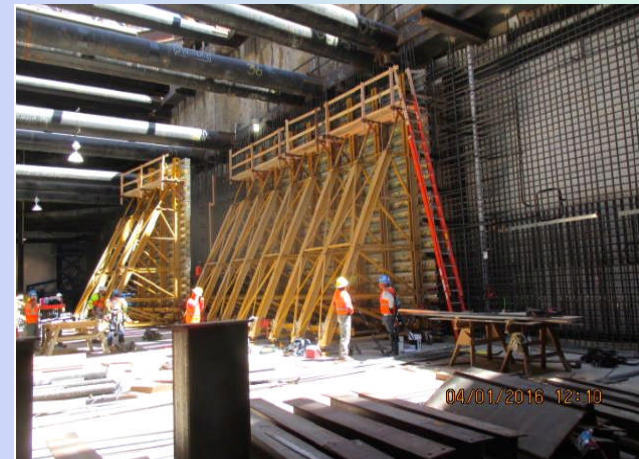
 SCHEDULE	Current	Forecast
REVENUE OPERATION	Oct 2019	Oct 2019

- Overall construction progress is 37.2% complete (excludes contractor mobilization costs).
- 96<sup>th</sup> 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

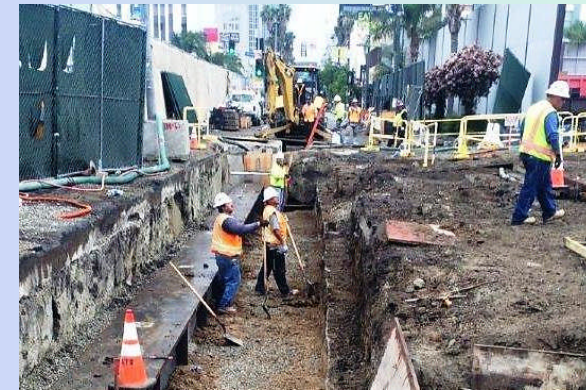
OK BUDGET		
	Current	Forecast
TOTAL COST*	\$3,154M	\$3,154M

\* 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.



Wilshire/La Brea Station – Preparation for Deck Beams

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.



Electrical Metering Switchgear for Tunnel Operations

May 2016

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OK On target    ◆ Possible problem    ▲ Major issue

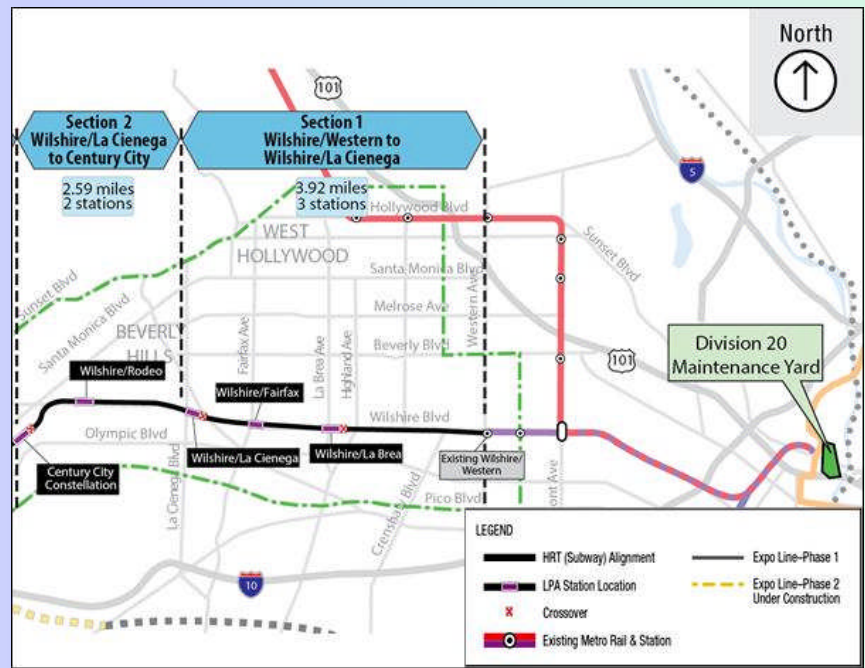


# WESTSIDE PURPLE LINE – SECTION 2

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

<b>OK</b>	<b>SCHEDULE</b>	
	<b>Current</b>	<b>Forecast</b>
<b>REV. OPERATION</b>	<b>TBD</b>	<b>August 2025</b>

- 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.



May 2016

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**OK** On target    **Yellow Diamond** Possible problem    **Red Triangle** Major issue

# REGIONAL CONNECTOR TRANSIT CORRIDOR

 <b>BUDGET</b>		
	Current	Forecast
<b>TOTAL COST</b>	<b>\$1,599M</b>	<b>TBD</b>

\* Includes Board approved LOP plus Planning and Finance costs.

 <b>SCHEDULE</b>		
	Current	Forecast
<b>REV. OPERATION</b>	<b>June 2021</b>	<b>June 2021</b>

- 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 1<sup>st</sup>/Central station and reached 18 ft. below surface.
- Installed 77 piles representing 38% of total count at 2<sup>nd</sup>/Hope; grading and station excavation underway.
- All electrical ductbanks at 2<sup>nd</sup>/Broadway have been installed and are being transitioned into LADWP ownership.
- On the east side of Flower St., between 4<sup>th</sup> and 5<sup>th</sup> Sts., 50 Piles out of 90 have been installed and DWP approved the Water Tie-In Phasing Plan.
- Schedule recovery negotiations ongoing.

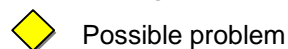
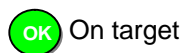


Excavation and tieback activities at 1<sup>st</sup>/Central Station


May 2016

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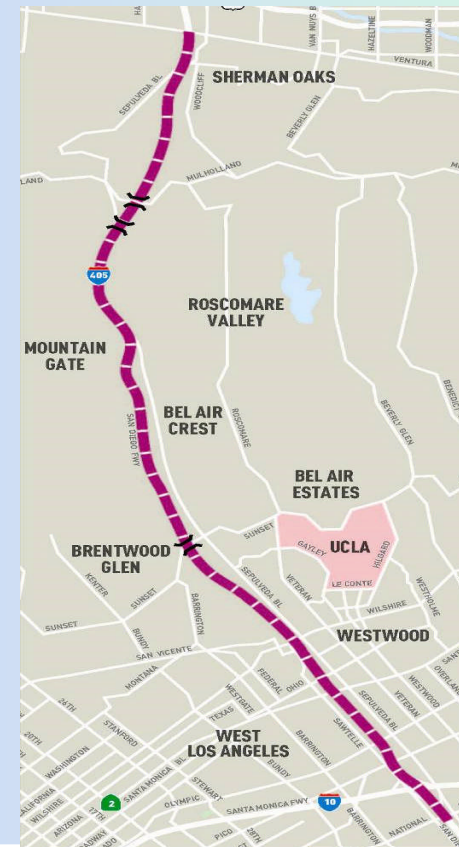


# I-405 SEPULVEDA PASS IMPROVEMENTS PROJECT

 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



May 2016

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 On target     Possible problem     Major issue



# PATSAOURAS PLAZA BUSWAY STATION

<b>OK</b> BUDGET	Current	Forecast
TOTAL COST	\$39.7M	\$39.7M

<b>OK</b> 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.



May 2016

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

# DIVISION 13 BUS O&M FACILITY



## BUDGET

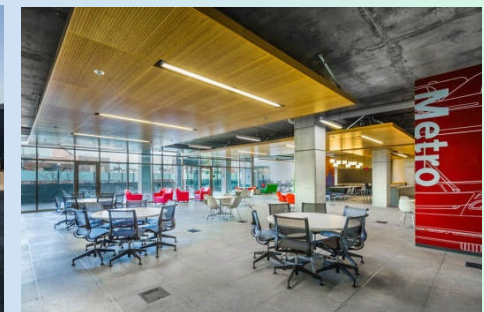
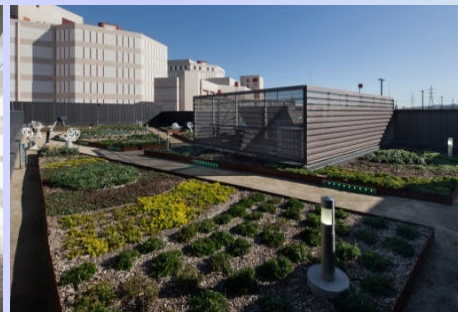
	Current	Forecast
TOTAL COST	\$120M	\$120M



## SCHEDULE

	Current	Forecast
REV. OPERATION	Feb 2016	Feb 2016

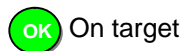
- Project is 100% complete and open as of February 1, 2016.
- Current activities include final punch list completion and close out of the contract with McCarthy.
- Project has been nominated as a finalist for 2016 Transit Project of the Year for the California Transportation Foundation awards, the International 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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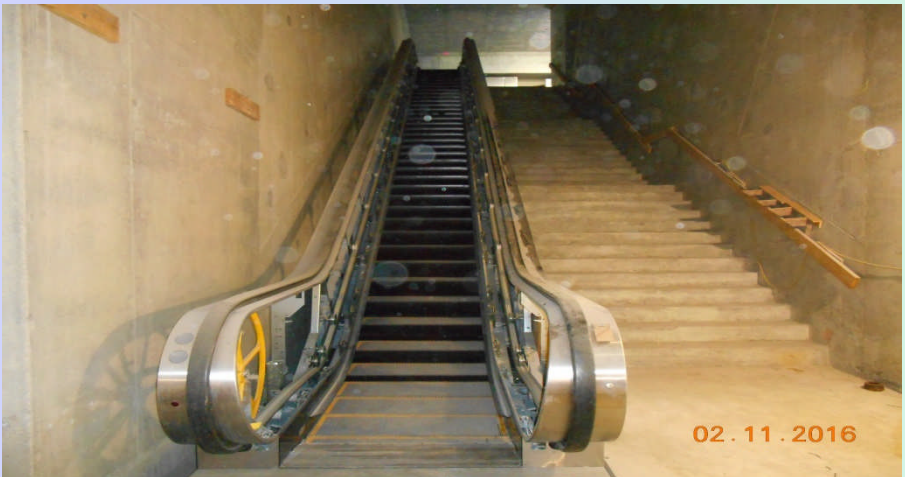
 On target     Possible problem     Major issue

# 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




May 2016

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 On target     Possible problem     Major issue

# Project Status Sheets-Crenshaw/LAX

<b>LOCATION:</b> Crenshaw Blvd at Exposition to Green Line <b>DESIGN/CONSULTANT:</b> Hatch Mott				<b>CONSTRUCTION MANAGEMENT CONSULTANT:</b> Stantec <b>CONTRACTOR:</b> Walsh-Shea Corridor Constructors (WSCC)			
<b>PROJECT PHOTO:</b> Preparing for start of tunneling at Expo/Crenshaw Station in April.				<b>WORK COMPLETED PAST MONTH:</b>			
				<ul style="list-style-type: none"> <li>o Design-builder continues final design.</li> <li>o Continued construction efforts for UG#1 near LAX airport runways</li> <li>o Continued Falsework construction at the Green Line tie-in.</li> <li>o Continued superstructure construction for Century bridge.</li> <li>o Continued offsite tunnel segment production.</li> <li>o Continued abutment wall installation at I-405 bridge.</li> <li>o Completed superstructure work for the La Brea bridge.</li> <li>o Continued pot holing in advance of starting work at Park Mesa area.</li> <li>o Continued soil excavation at Leimert Park Station.</li> <li>o Completed soil excavation at MLK Station.</li> <li>o TBM setup continued at Expo/Crenshaw Station.</li> <li>o Continued real estate acquisitions with emphasis on remaining partial-takes and temporary construction easements.</li> <li>o Southwestern Yard design-builder continued final design.</li> </ul>			
<b>EXPENDITURE STATUS</b> (\$ In Millions)				<b>SCHEDULE ASSESSMENT</b>			
<b>ACTIVITIES</b>	<b>CURRENT BUDGET</b>	<b>EXPENDED AMOUNT</b>	<b>PERCENT EXPENDED</b>	<b>MAJOR SCHEDULE ACTIVITIES</b>	<b>PRIOR PLAN</b>	<b>CURRENT PLAN</b>	<b>VARIANCE WEEKS</b>
<b>DESIGN</b>	\$ 136.7	\$ 117.7	86.1%	<b>Environmental</b>			
<b>RIGHT-OF-WAY</b>	\$ 127.4	\$ 112.3	88.1%	FEIS/FEIR	Sep-11	Sep-11	Complete
<b>CONSTRUCTION</b>	\$ 1,353.1	\$ 517.0	38.2%	Record of Decision	Dec-11	Dec-11	Complete
<b>OTHER</b>	\$ 440.8	\$ 140.7	31.9%	<b>Design</b>			
<b>TOTAL</b>	\$ 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
<b>AREAS OF CONCERN</b>				<b>Right-of-Way</b>			
<ul style="list-style-type: none"> <li>o Design-builder's ability to mitigate schedule delays.</li> <li>o Timely review of WSCC's design submittals by City of Los Angeles.</li> <li>o 96th street station cost and schedule potential impacts.</li> </ul>				Full-take parcels available	Jan-15	Jan-15	Complete
				Part-take and TCE parcels	Sep-15	May-16	7.5 months behind
				<b>Construction</b>			
				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.			
<b>ROW ACQUISITION</b>	<b>PLAN</b>	<b>ACQUIRED</b>	<b>REMAINING</b>	<b>CRITICAL ACTIVITIES / 3 MONTH LOOK AHEAD</b>			
FULL TAKES	37	35	2	<ul style="list-style-type: none"> <li>o Launch TBM mining south bound tunnel at Expo/Crenshaw Station.</li> <li>o Complete excavation at Leimert Park Station.</li> <li>o Commence invert concrete placement at MLK Station.</li> <li>o Commence work on Park Mesa area.</li> <li>o Southwestern Yard design-builder to commence construction in May.</li> </ul>			
PARTIAL TAKES	27	23	4				
TEMPORARY EASEMENTS	15	12	3				
<b>TOTAL PARCELS</b>	<b>79</b>	<b>70</b>	<b>9</b>				

# Project Status Sheets-Westside Purple Line, Seg 1

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

# Project Status Sheets-Regional Connector

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