

Westside Purple Line Extension



Metro®

WESTSIDE PURPLE LINE EXTENSION PROJECT

QUARTERLY PROJECT STATUS REPORT

THE PREPARATION OF THIS DOCUMENT HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U. S. DEPARTMENT OF TRANSPORTATION, FEDERAL TRANSIT ADMINISTRATION (FTA).

SEPTEMBER 2013


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PROJECT SUMMARY

LOCATION: Los Angeles / Beverly Hills				CONSTRUCTION MANAGEMENT CONSULTANT: WEST JV			
DESIGN CONSULTANT: Parsons / Brinckerhoff				CONTRACTOR: TBD			
INSTALLATION OF SHORING PILES				WORK COMPLETED PAST MONTH			
				<ul style="list-style-type: none"> - Completed installation of shoring piles at Exploratory Shaft - Exploratory Shaft excavation to 10' depth - C1048 Start of Advanced Utilities Relocations at La Brea - CES Advanced Utility Relocation at La Brea - Continued efforts seeking relief from Peak Hour Exemptions and Holiday Moratorium work hour restrictions - Draft MCA submitted to the City of Beverly Hills - Continuing real estate needs coordination for Division 20 - Continuing Advanced PE for Division 20 MOE and NRV facilities - Continuing design for advanced utilities relocations and traffic control - Preparation of Traffic Control Plans for station work 			
EXPENDITURE STATUS (\$ In Millions)				SCHEDULE ASSESSMENT			
ACTIVITIES	CURRENT ESTIMATE	EXPENDED AMOUNT	PERCENT EXPENDED	MAJOR SCHEDULE ACTIVITIES	PRIOR PLAN	CURRENT PLAN	VARIANCE WEEKS
DESIGN	\$163.0	\$45.1	27.7%	Environmental			
				FEIS / FEIR	N/A	05/31/12	completed
RIGHT-OF-WAY	\$212.5	\$1.1	0.5%				
CONSTRUCTION	\$1,437.6	\$4.8	0.3%	Design			
				PE Notice to Proceed	N/A	01/12/11	completed
OTHER	\$1,048.2	\$51.6	4.9%	Final Design complete	01/18/17	01/18/17	0
TOTAL	\$2,861.3	\$102.6	3.6%				
Current Estimate includes Planning and Finance Costs.				Right-of-Way			
				All parcels available	04/24/15	04/27/15	0
AREAS OF CONCERN							
<ul style="list-style-type: none"> - Market conditions may lead to higher construction costs - LADWP Power: additional ducts at Fairfax - LADWP Water: changes at La Brea 				Construction - Main Design / Build Contract			
				Notice to Proceed	07/22/14	07/22/14	0
				Construction complete	05/26/23	05/26/23	0
ROW ACQUISITION	PLAN	ACQUIRED	REMAINING	CRITICAL ACTIVITIES / 3 MONTH LOOK AHEAD			
PERMANENT PARCELS	24	0	24	<ul style="list-style-type: none"> - Exploratory Shaft Excavation - Advanced Utility Relocation construction - La Brea - Advanced Utility Relocation design and bid package - Fairfax - Design-Build RFP Package - Division 20 MOW and NRV facilities 			
TEMPORARY PARCELS	3	0	3				
TOTAL PARCELS	27	0	27				

PROJECT OVERVIEW & STATUS

Section 1 of the Westside Purple Line Extension Project is the first of three sections to be designed and constructed as part of the Los Angeles County Metropolitan Transportation Authority (LACMTA) Measure R Program. The program was approved by Los Angeles County voters in November 2008 and provides a half-cent sales tax to finance new transportation projects. In April 2012, the three sections of the Project were environmentally cleared and adopted by LACMTA Board of Directors.

Section 1 will extend the existing Purple Line by 3.92 miles beginning at the Wilshire/Western Station. From this station, the twin tunnel alignment will travel westerly within the existing Wilshire Boulevard right-of-way. Stations will be located at the intersections of Wilshire/La Brea, Wilshire/Fairfax, and Wilshire/La Cienega. All three of the station boxes will be located within the Wilshire Boulevard right-of-way with station portals extending to off-street entrances. Two of the stations, Wilshire/La Brea and Wilshire/Fairfax are within the jurisdiction of the City of Los Angeles. The Wilshire/La Cienega Station is within the City of Beverly Hills jurisdiction.

Design

The Engineering Management Services Consultant has completed and submitted the draft Traffic Management Plan (TMP) and traffic signal plans for the Wilshire/La Brea Station area to LADOT for review and comment. Additionally, a meeting was held on September 12, 2013 between LACMTA, the City of Beverly Hills and LADOT to jointly review the traffic management plans for station pile corridor installation. The TMP was presented to the City of Los Angeles and City of Beverly Hills traffic departments to seek conceptual approval. The TMP is required for the peak hour exemption application to both cities and is being undertaken in support for Contract C1045.

Final design is continuing for the advanced utility relocations at the Wilshire/Fairfax and Wilshire/La Cienega Station areas. At Wilshire/Fairfax, a review of the LADWP power arrangement and the undertaking the vertical profile coordination have determined that the proposed LADWP power relocation design needs to undertake a further review because of vertical and horizontal space constraints. The first meeting with LADWP to review the findings has been scheduled for October 11, 2013.

Additional geotechnical borings in Tunnel Reach 1 to investigate deeper soil conditions have been completed. The test results will be included in the Amendment 4 to Contract C1045.

Permits for the tie-back location fieldwork within the La Cienega Station tail track area were approved by the City of Beverly Hills. Fieldwork is planned to commence within the last week of October 2013.

Major Contract Procurement

Amendment 2 for Contract C1045 was issued on September 18, 2013. The amendment contained 35 drawings, 52 General and Technical Requirement updates and additions to three Geotechnical Data Reports. Amendment 3 is in preparation and is planned to be issued on October 16, 2013. The amendment will include changes to the ventilation requirements for the crossover structures at Wilshire/La Brea and Wilshire/La Cienega Stations, changes to the vista switch location and the Wilshire/Fairfax Station, and changes to the UPS rooms.

PROJECT OVERVIEW & STATUS (Continued)

Construction

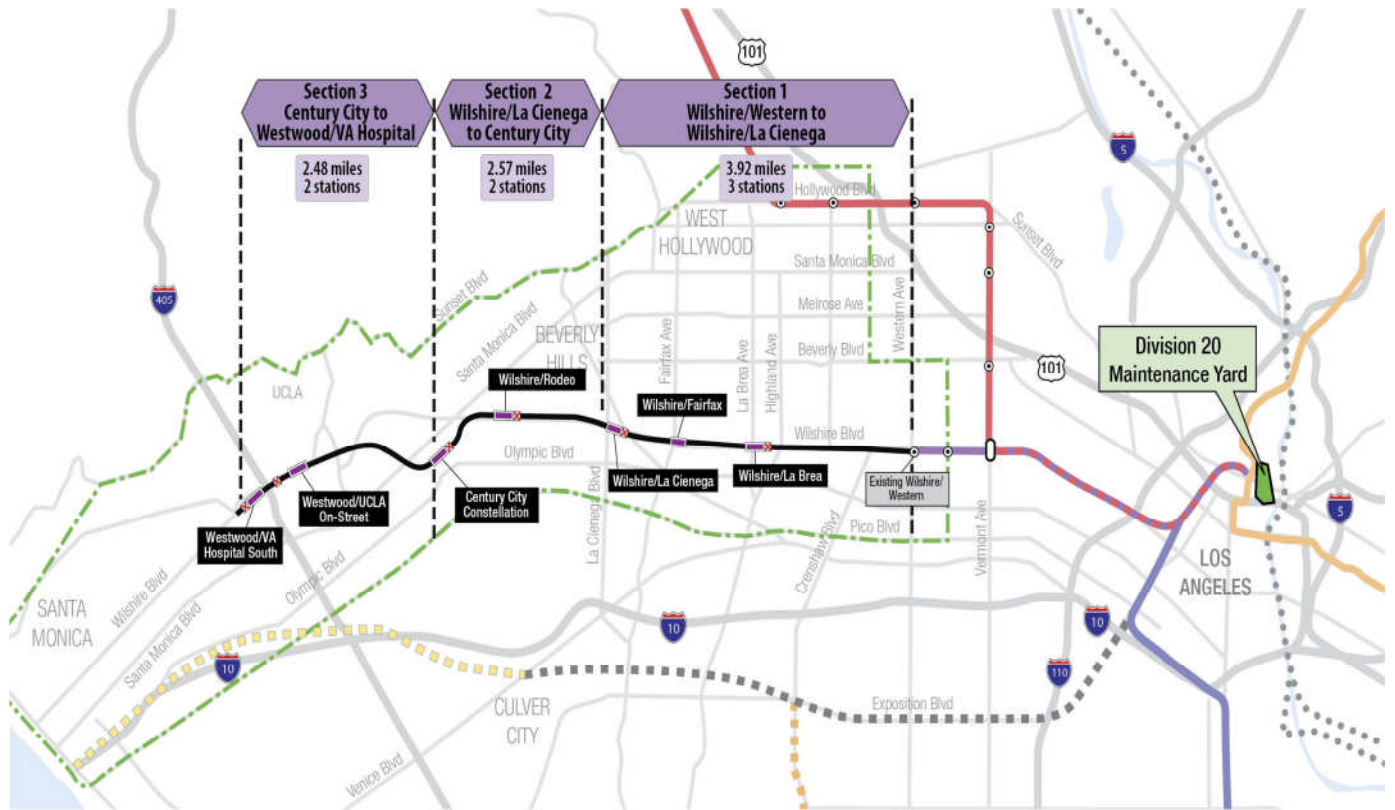
Excavation of the Fairfax Exploratory Shaft, Contract C1034, has progressed to the 10 foot level. The contractor has also completed the shotcrete lagging to the same depth. Beyond this depth is the "Paleo Zone" which begins with six-inch excavation lifts.

The advanced utility relocations at Wilshire/La Brea, Contract C1048, have begun. The contractor has mobilized field offices to the Wilshire/Crenshaw site. This site will also serve as the contractor's primary material laydown area. The contractor has begun sawcutting the pavement, trenching and installation of fiber optic conduit.

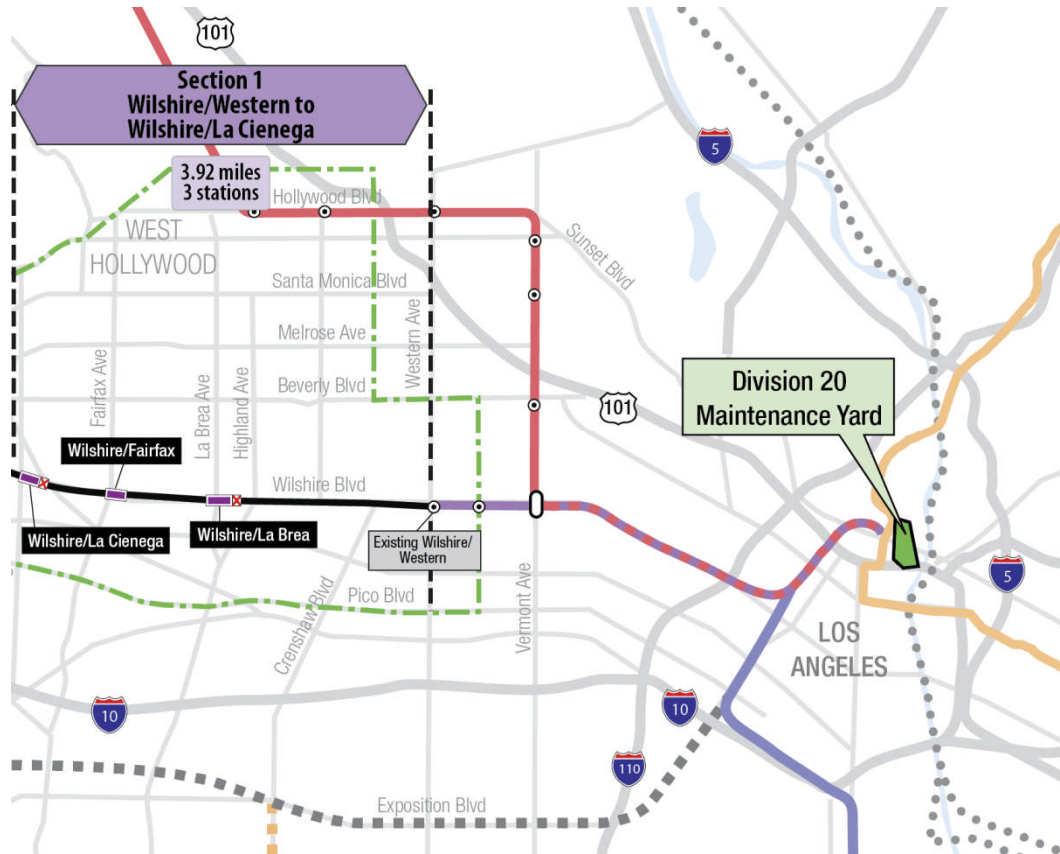
MANAGEMENT ISSUES

No Management Issues this period.

PROJECT ALIGNMENT by SECTIONS



PROJECT ALIGNMENT SECTION 1



BASE PROJECT SCOPE

Section 1 of the Westside Purple Line Extension Project is the first of three sections to be designed and constructed as part of the Los Angeles County Metropolitan Transportation Authority (LACMTA) Measure R Program. The program was approved by Los Angeles County voters in November 2008 and provides a half-cent sales tax to finance new transportation projects. In April 2012, the three sections of the Project were environmentally cleared and adopted by LACMTA Board of Directors.

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The Wilshire/La Brea Station box will be located under the center of Wilshire Boulevard in between Detroit Street and Orange Drive. A double crossover will be located east of the station box. The station entrance will be on the northwest corner of Wilshire Boulevard and La Brea Avenue.

The Wilshire/Fairfax Station box will be located under the center of Wilshire Boulevard west of Fairfax Avenue to west of Ogden Drive. The station entrance will be on the southeast corner of Wilshire Boulevard and Orange Grove Avenue.

The Wilshire/La Cienega Station box will be located under the center of Wilshire Boulevard immediately east of La Cienega Boulevard. A double crossover will be located east of the station box. The station entrance will be on the northeast corner of Wilshire Boulevard and La Cienega Boulevard. Since the station will be the terminus station for Section 1, a tail track will be located west of the station box.

Contract C1034 – Wilshire/Fairfax Exploratory Shaft

Metro is constructing an exploratory shaft to observe ground conditions prior to the award of Contract C1045. The location of the exploratory shaft is adjacent to the future Wilshire/Fairfax Station. The construction of the shaft includes furnishing and installing monitoring instruments, ventilation, and record and report instrumentation data during the excavation of the shaft. After construction of the shaft, the shaft will be maintained for an observation time period. Afterwards, the shaft will be dismantled and the site backfilled in a condition acceptable to the property owner.

BASE PROJECT SCOPE (Continued)

Contract C1048 – Wilshire/La Brea Advanced Utility Relocations

Relocate existing LADWP power and water utilities within the construction limits of the Wilshire/La Brea Station. The contractor is to obtain the necessary permits necessary for working in streets, procure materials, and coordinate with the utility owner. The contractor is to construct the new facilities in accordance with utility plans and specifications, provide traffic control, restore streets, and support utility crews installing cabling and during cut-over of the existing utilities.

Contract C1055 – Wilshire/Fairfax Advanced Utility Relocations

Relocate existing LADWP power and water utilities within the construction limits of the Wilshire/Fairfax Station. The contractor is to obtain the necessary permits necessary for working in streets, procure materials, and coordinate with the utility owner. The contractor is to construct the new facilities in accordance with utility plans and specifications, provide traffic control, restore streets, and support utility crews installing cabling and during cut-over of the existing utilities.

Contract C1056 – Wilshire/La Cienega Advanced Utility Relocations

Relocate existing City of Beverly Hills water and sewer utilities within the construction limits of the Wilshire/La Cienega Station. The contractor is to obtain the necessary permits necessary for working in streets, procure materials, and coordinate with the utility owner. The contractor is to construct the new facilities in accordance with utility plans and specifications, provide traffic control, restore streets, and support utility crews during cut-over of the existing utilities.

Contract C1045 – Tunnels, Stations, Trackwork, Systems and Systems Integration Testing

The procurement of this contract utilizes a two-step approach with the submittal of qualification statements through a Request for Qualification (RFQ) process, prequalification of qualified proposers followed by the release of a Request for Proposals (RFP) soliciting technical and price proposals with an option at Metro's discretion for Best and Final Offers (BAFO).

The Design/Build contract provides for final design and construction of the infrastructure along the 3.92 mile alignment. Contract scope includes demolition and removal of structures and clearing sites to facilitate construction operations. The structures to be constructed include twin bored tunnels, complete with cross-passages and walkways, including all mechanical, electrical and finish work. A retrieval shaft will be constructed to the west of the existing Wilshire/Western Station for extraction of the tunnel boring machines. Three underground stations are to be constructed, two with double-crossovers, and the terminus station to include a tail-track. Each station has a single entrance plaza with stairs, escalators and elevators which meet ADA requirements. The scope of work includes all architectural finishes, mechanical, electrical, systems and equipment including train control, traction power, communications, trackwork and the system tie-in to the existing Metro Purple Line, testing and commissioning.

BASE PROJECT SCOPE (Continued)

Metro Furnished Equipment

Metro will procure separate contacts to provide the 34 Heavy Rail Vehicles (HRV) and the Universal Fare System (UFS) necessary to operate the extension to the Purple Line. The scope of the HRV contract includes design, manufacturing, testing and delivery of the vehicles. The scope of the UFS contract includes design, fabrication and installation of equipment at the three stations and system testing.

Start Up

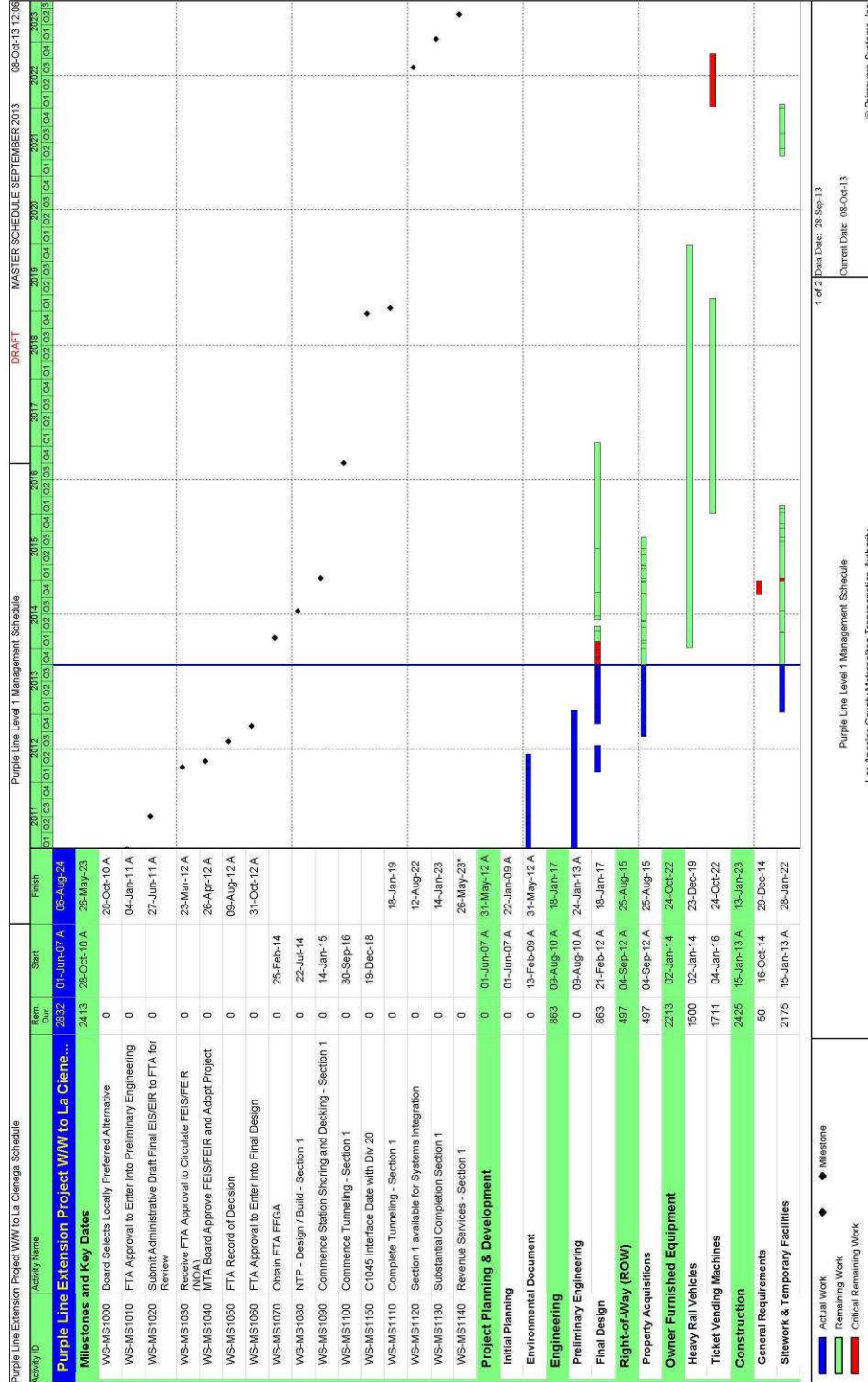
The commencement of pre-revenue operations will be determined by Metro. Generally, all systems integration testing will have been completed and passed. All testing will be required to include and pass a “stress test” of maximum operational service levels to be acceptable. Pre-Revenue Operations include train runs, especially those involving multiple trains, on the integrated and fully operational extension; rehearsal of expected revenue operations scenarios; as well as abnormal and emergency scenarios in which random combinations of system interactions are tested; equipment “burned-in”; and training of Metro personnel who will eventually operate and maintain the extension and for emergency services personnel. Activities occurring during Pre-Revenue Operations are carried out by a designated Metro Project Rail Activation Group.

KEY MILESTONES SIX- MONTH LOOK AHEAD

	Milestone Date	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14
C1045 Contract - Proposals Submitted	12/19/13				□		
Complete Final Design of AUR Utilities - La Cienega	01/17/14					○	
Complete Exploratory Shaft Construction	02/13/14						□
Complete Final Design of 3rd Party Utilities - La Brea	02/14/14						○
Obtain FTA FFGA	02/25/14						FTA

- ◆ MTA Staff
- Ⓜ MTA Board Action
- FTA (Federal Transportation Authority)
- △ Other Agencies
- Contractors
- PB Design
- "A" following date is actual and completed
- * New

PROJECT SUMMARY SCHEDULE



CRITICAL PATH NARRATIVE

Critical Path:

The critical path for the Westside Purple Line Extension Project begins with the procurement process for the C1045 Design/Build contract, mobilization of the design team for the selected contractor, and the start of detailed design for station structural boxes and tunnels. After six weeks, the contractor mobilizes on the Wilshire/La Brea site, performs site preparation, and begins installation of soldier piles, first on the north side of the station box, and then on the south side. Street decking is then installed, the station structural box is excavated and invert concrete is placed. Tunneling then begins, first driving eastbound from Wilshire/La Brea to Wilshire/Western. TBMs are removed through a retrieval shaft at Wilshire/Western, re-assembled at Wilshire/La Brea, and then driven westbound to Wilshire/La Cienega. Following construction of cross passages, the critical path continues through construction of the Wilshire/Fairfax Station box, installation of trackwork and traction power, systems integration and testing, and pre-revenue operations.

PROJECT COST STATUS

COST REPORT
DOLLARS IN THOUSANDS

DESCRIPTION	ORIGINAL BUDGET	CURRENT ESTIMATE		COMMITMENTS		EXPENDITURES		CURRENT FORECAST		ESTIMATE / FORECAST VARIANCE
		PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	
ENGINEERING/CONSTRUCTION (465518 & 865518)	-	-	2,821,957	7,955	270,560	4,224	64,008	-	2,821,957	-
465518 & 865518 SUBTOTAL	-	-	2,821,957	7,955	270,560	4,224	64,008	-	2,821,957	-
ENVIRONMENTAL/PLANNING - 405518	-	-	8,505	-	8,505	-	8,505	-	8,505	-
ENVIRONMENTAL/PLANNING - 465518	-	-	30,865	-	30,865	43	30,043	-	30,865	-
405518 & 465518 SUBTOTAL	-	-	39,370	-	39,370	43	38,548	-	39,370	-
TOTAL	-	-	2,861,327	7,955	309,930	4,267	102,556	-	2,861,327	-

NOTE: EXPENDITURES ARE CUMULATIVE THROUGH AUGUST 2013

PROJECT COST ANALYSIS

Original Budget

The Original Budget will be established upon receipt of the FFGA, which is expected in early 2014.

Current Estimate

The Current Estimate is \$2.9 billion. A Current Budget will be established upon Board Approval of the Life-Of-Project budget.

Current Forecast

The Current Forecast is \$2.9 billion.

Commitments

The Commitments increased by \$8.0 million primarily due to the award of Contract C1048 for Advanced Utility Relocations at La Brea Station. The Commitments represent Board Approved Budget through Fiscal Year 2014. Of the \$24.6 million in Commitments for Preliminary Engineering, \$0.6 million has been transferred from Section 1 to Sections 2 & 3 of the Purple Line Extension project. The current commitment amount includes \$24.0 million for Sections 2 & 3. As for the remaining \$24.0 million, Metro will amend Parsons Brinckerhoff's Contract Value amounts for each of the Sections of the project. The \$309.9 million in Commitments to date represents 10.8% of the Current Estimate.

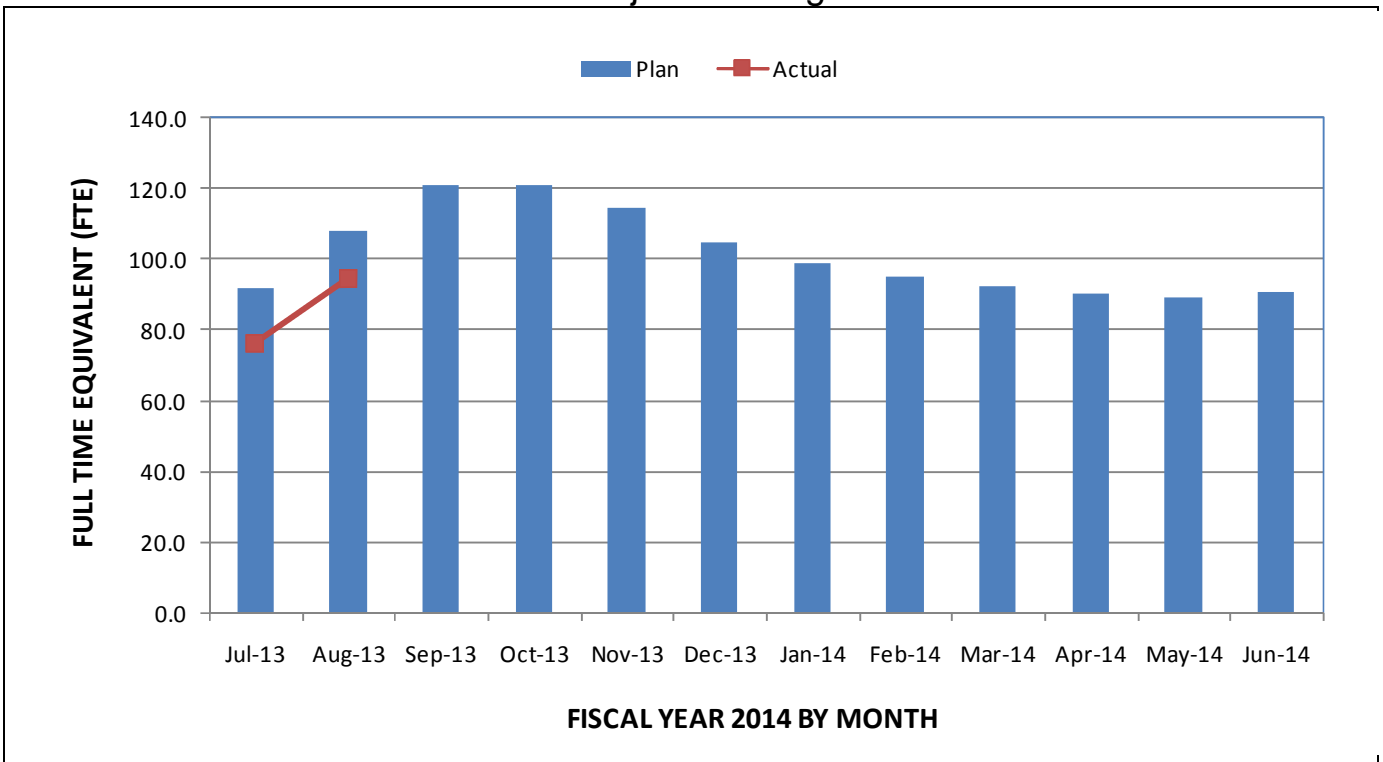
Expenditures

The expenditures are cumulative through August 2013. The expenditures increased by \$4.3 million this period primarily for costs associated with the Exploratory Shaft, Advanced Utility Relocations, Legal Services, Engineering Management, and Metro Project Administration. \$24.6 million of Expenditures for Preliminary Engineering has been transferred from Section 1 to Sections 2 & 3. The \$102.6 million in Expenditures to date represents 3.6% of the Current Estimate.

FINANCIAL/GRANT STATUS

Funding source chart will be provided upon adoption of the Life-of-Project Budget.

STAFFING STATUS
Total Project Staffing - FTES

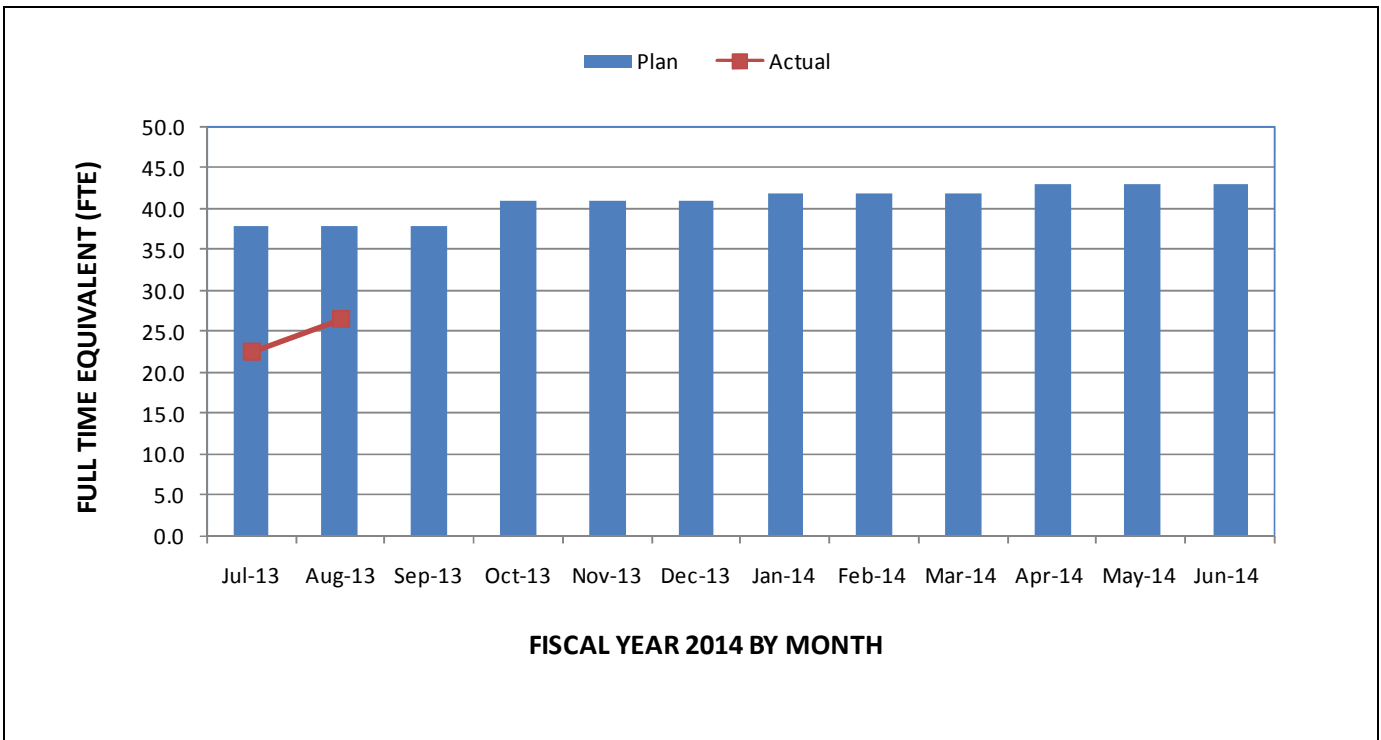


TOTAL PROJECT STAFFING

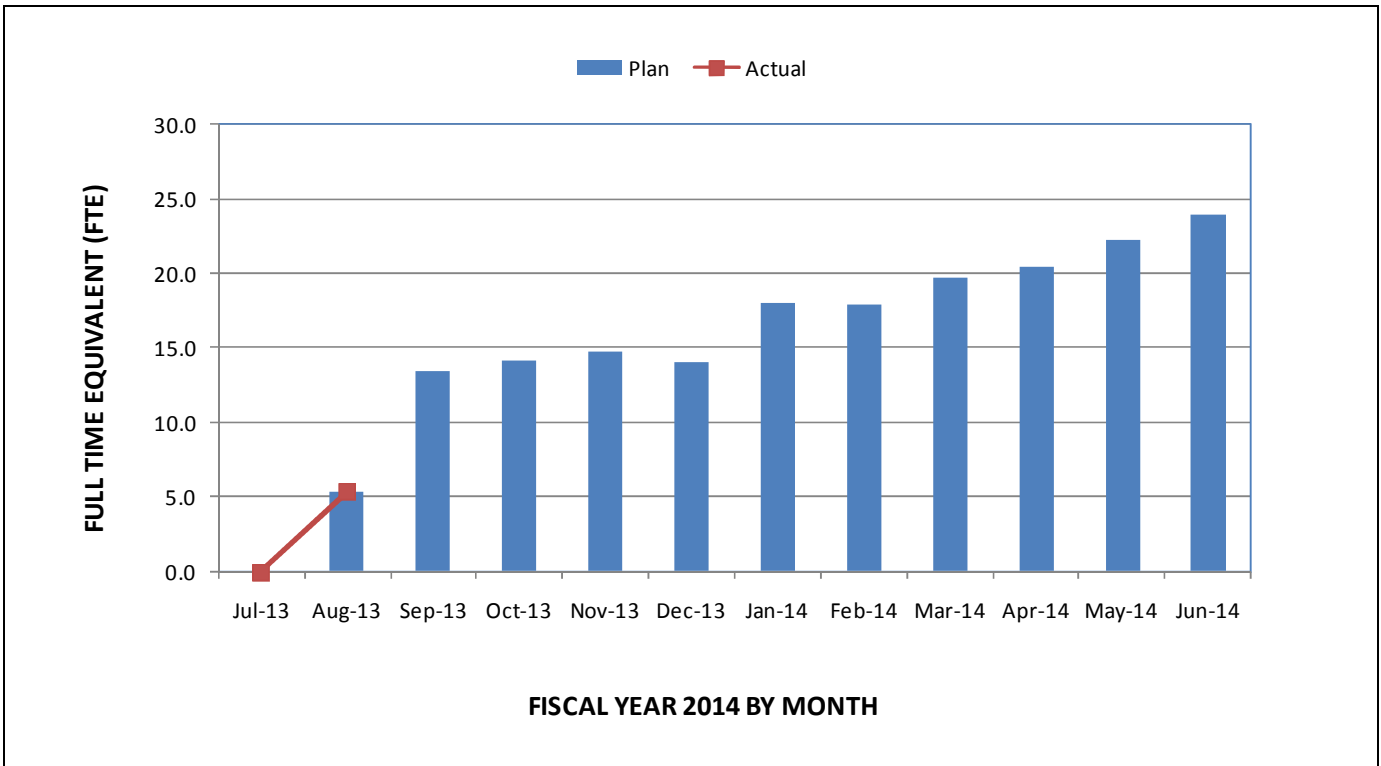
The overall FY14 Total Project Staffing plan averages 101.7 FTE's per month.

For August 2013, there were a total of 26.5 FTE's for MTA's Project Administration staff and 68.3 FTE's for consulting staff. The total project staffing for August 2013 was 94.8 FTEs.

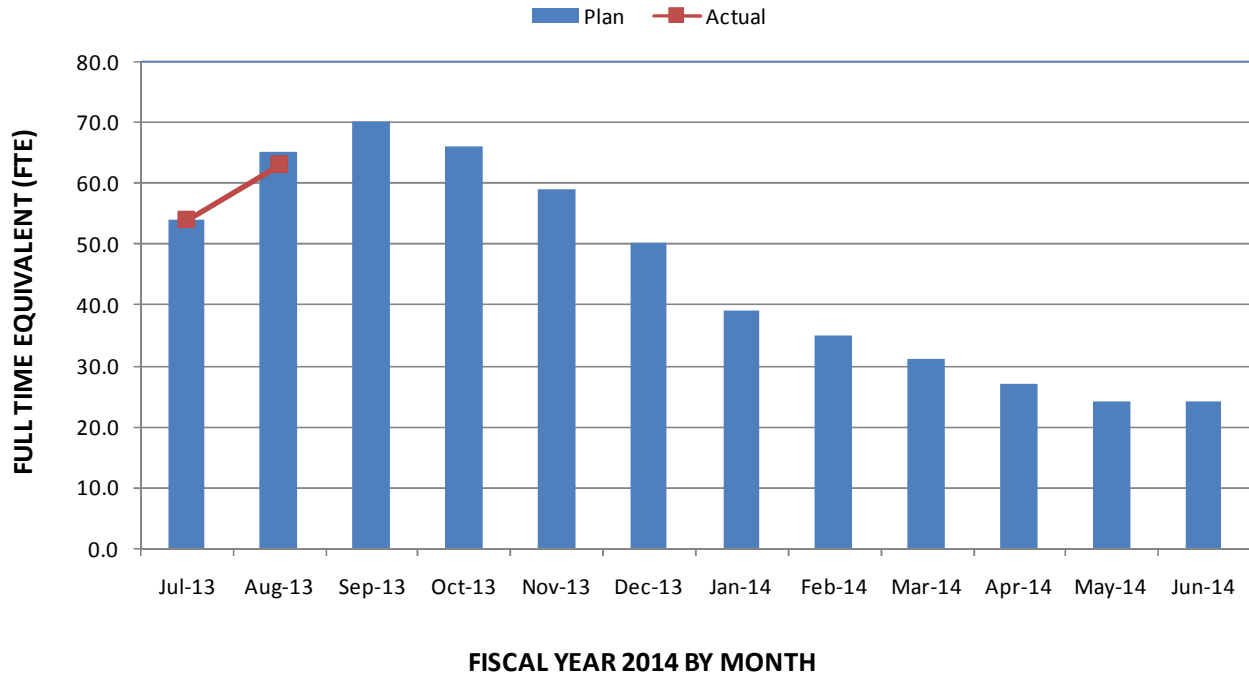
**STAFFING STATUS (Continued)
METRO STAFFING – FTES**



**CONSTRUCTION MANAGEMENT
SERVICES CONSULTANT – FTES**



STAFFING STATUS (Continued)
ENGINEERING MANAGEMENT SERVICES CONSULTANT – FTES



REAL ESTATE STATUS

Purple Line-Segment 1- Real Estate Status Summary September 2013									
Contract No.	Number of Parcels	Certified	Decertified	Appraisals In Process/ Completed	Offers Made	Agreements Signed	Condemnation Filed	Relocations Complete	Parcels Available
Full Takes	19	19	0	18	0	0	0	0	0
Part Takes	5	3	0	0	0	0	0	0	0
TCE	3	0	1	0	0	0	0	0	0
Sub Total Parcels:	27	22	1	18	0	0	0	0	0
Relocations									
Total Parcels:	27	22	1	18	0	0	0	0	0

QUALITY ASSURANCE STATUS

C1034 Exploratory Shaft D/B/B

- Attended weekly Project staff meetings with the Contractor.
- Reviewed and provided comments on submittals.
- Discussed inspection and testing procedures for shotcrete for upcoming activities.
- Coordinated special inspection as required by LA City Building and Safety.

C1045 Segment 1 D/B

- Attended bi-weekly Project staff meetings.
- Met with the Project Design Quality Manager to discuss upcoming submittals and QA/QC schedule.
- Reviewed Amendment 2 documents.

C1048 Segment 1 Advanced Utility Relocation D/B/B

- Attended weekly Project staff meetings with the Contractor.
- Reviewed and provided comments on initial quality submittals.

ENVIRONMENTAL STATUS

- Continued environmental monitoring support for Test Shaft for VOC/GAS AQMD Rule 1116, 1150, Construction SWPPP and Noise.
- Abated a discovered (ACM) asbestos containing pipe in Test Shaft.
- Initiated noise monitoring in support of 1st Phase AUR Contracts.
- Continued review of contractor submittals for AUR Project.
- Continued review of Phase 1 ESA's for property acquisitions which also included W-6102 (590 S. Santa Fe) Site.
- Prepared Tree Removal Plan and supporting documentation for tree removal permits with the City of LA and Beverly Hills.

CONSTRUCTION RELATIONS STATUS

- Attended Pre-Construction Team Meetings, La Brea AUR Progress Meetings and Exploratory Shaft Meetings.
- Produced and distributed work notices for geotech work, utility relocations work for Wilshire/Sycamore, Wilshire/Orange and Wilshire/Lucerne.
- Made presentation to Greater Wilshire Neighborhood Council and Brookside HOA.
- Held phone briefing with 5115 Wilshire to update building on new start times for utility relocation work.
- Coordinated effort by BRE (Wilshire/La Brea development) to market transit options in its marketing to prospective new tenants.
- Updated Facebook as needed.
- Developed "Save The Date" letter for Section 1 Advisory Group.
- Negotiated and secured agreement for the use of Petersen Museum for Advisory Group Meeting.

ART PROGRAM STATUS

- Define artwork opportunities and prepare bid documents.

SAFETY & SECURITY STATUS

- There were no recordable injuries on the Project during September 2013.
- Safety Staff participated in scheduled readiness review meetings to ensure compliance with approved Work Plans and contract specifications.
- Monitored construction activities (Advanced Utility Relocation and Exploratory Shaft) to ensure contractor compliance with contract specifications.
- Participated in weekly progress meetings and other project meetings to evaluate Contractors Safety Program compliance with contract requirements.
- Safety Staff continues to work with Procurement and Program Management staff to prepare documents for upcoming advanced utility relocation facility design and design/build contract packages.
- Due to the limited number of work hours being accumulated, work hour and injury rate statistics will be reported next calendar quarter.
- Metro Construction Safety Staff is providing Safety and Security Contract Compliance oversight during both day and night shifts.

THIRD PARTY AGREEMENT STATUS

Third Party	Type of Agreement	Forecast Execution Date	Required Need Date	Status/ Comments
City of Los Angeles	Amendment to Master Cooperative Agreement	N/A	N/A	Parties will work under 2003 MCA.
City of Beverly Hills	MCA	January 2014	2/14	Awaiting comments on MCA from City.
Los Angeles Department of Water and Power	Amendment to Memorandum of Understanding	N/A	N/A	Metro and LADWP will work under 2002 Utility Cooperative Agreement which remains in effect.
Los Angeles County Public Works	Letter of Agreement	4/11	3/12	Executed
Caltrans	Amendment	8/11	3/12	Executed
Private Utilities	LOA, MOU or UCA	5/11 to 11/13	N/A	Metro is working with affected third party utilities under work orders unless license agreements dictate relocation by utility company.

ADVANCED UTILITY RELOCATION STATUS

- Fiber optic relocation work previously authorized under a work order with the individual telecommunications company is nearing completion at Wilshire/La Brea Station area.
- The contractor, Metro Builders, for Contract C1048 – Wilshire/La Brea Advanced Utility Relocations, has mobilized to the Crenshaw yard and has begun construction of DWP Power relocations.

PEAK HOUR AND NIGHTTIME CONSTRUCTION VARIANCES

Metro is actively pursuing extended hour variances/exemptions to accommodate the Project needs. Metro staff is working with the City of Los Angeles Bureau of Engineering and the Los Angeles Police Commission to obtain Holiday Moratorium Variance, Peak Hour Exemption and Night Time Work Variance. Current efforts center around extending the existing extended hour permits to accommodate utility work at night at the La Brea and Fairfax Stations, processing of extended hour variances to allow night work and weekend work to accommodate the La Brea, Fairfax and La Cienega soldier pile and decking installation for the D/B contract; processing of holiday moratorium exemptions to accommodate utility relocation work at all three stations; and processing of peak hour variance via approved WTCP's to accommodate Metro's D/B soldier pile installation scope at all three stations.

CHRONOLOGY OF EVENTS

June 2007	Began Alternatives Analysis study
January 2009	Board approval of Alternatives Analysis study and next phase
February 2009	Began Draft Environmental Impact Statement / Report (EIS / EIR)
October 2010	Board approval of Draft EIS / EIR and selection of locally preferred alternative
January 2011	FTA approval to enter Preliminary Engineering
May 2011	Began Preliminary Engineering
April 2012	Board certification of Final EIS / EIR and adoption of project
July 2012	Completion of Exploratory Shaft final design
August 2012	FTA Record of Decision
September 2012	Began Real Estate Acquisition
November 2012	Began Final Design - C1048 - Advanced Utilities Relocation contract - La Brea
November 2012	Began Final Design - C1055 - Advanced Utilities Relocation contract - Fairfax
November 2012	Issued RFQ for C1045 Design / Build contract
December 2012	Began Final Design - C1056 - Advanced Utilities Relocation contract - La Cienaga
January 2013	Began C1034 Exploratory Shaft construction
February 2013	Received RFQ responses for C1045 Design / Build contract

CHRONOLOGY OF EVENTS (Continued)

June 2013	Issued RFP for C1045 Design/Build Contract
June 2013	Beginning of C1055 AUR Fairfax Bid Period
July 2013	Submitted draft FFGA application
July 2013	Completed Final Design - C1048 - Advanced Utilities Relocation contract La Brea
July 2013	Submitted TIFIA loan application
August 2013	Began C1048 Advanced Utilities Relocation at La Brea
August 2013	NTP for Construction Management Services Contract

CONTRACT C1034 STATUS

<p>Description: Exploratory Shaft Contractor: Innovative Construction Solutions (ICS)</p>	<p>Contract No. C1034 Status as of: September 27, 2013</p>															
<p>Progress / Work Completed:</p> <ul style="list-style-type: none"> - Notice to Proceed: 01/15/13 - Demolition / site preparation: 04/05/13 - 06/17/13 - Site Utilities: 05/06/13 - 09/04/13 - Soldier Piles: 07/05/13 - 08/27/13 - Shaft excavation started: 09/03/13 <p>Areas of Concern:</p>	<p>Major Activities (In Progress):</p> <ul style="list-style-type: none"> - Shaft excavation to first waler - Demo abandoned piles - Install steel platform and stairs - Install shotcrete lagging / rebar - Gas monitoring <p>Major Activities Next Period:</p> <ul style="list-style-type: none"> - Continue shaft excavation to second and third walers - Install steel platform and stairs - Install shotcrete lagging / rebar - Gas monitoring 															
<p>Schedule Summary:</p> <p>Date of Award: 11/26/12 Notice to Proceed: 01/15/13 Original Contract Duration: 669 CD Current Contract Duration: 711 CD Elapsed Time from NTP: 257 CD</p>		<p>Original Contract Dates</p>	<p>Time Extension</p>	<p>Current Contract</p>	<p>Forecast</p>	<p>Variance CDs</p>										
	<p>Notice to Proceed</p>	<p>01/15/13</p>	<p>0</p>	<p>01/15/13</p>	<p>01/15/13</p>	<p>0</p>										
	<p>Milestone 1: Shaft Completion</p>	<p>02/13/14</p>	<p>0</p>	<p>02/13/14</p>	<p>03/28/14</p>	<p>-43</p>										
	<p>Milestone 2: Substantial Completion</p>	<p>11/14/14</p>	<p>0</p>	<p>11/14/14</p>	<p>12/26/14</p>	<p>-42</p>										
<p>Physical Percent Complete:</p> <p>Physical completion as of 09/27/13: 32%*</p> <p>* Note: Physical completion assessment reflects work completed and work in progress.</p>	<p>Cost Summary: \$ In millions</p> <table border="0"> <tr> <td>1. Award Value:</td> <td style="text-align: right;">6.5</td> </tr> <tr> <td>2. Executed Modifications:</td> <td style="text-align: right;">0.1</td> </tr> <tr> <td>3. Approved Change Orders:</td> <td style="text-align: right;">0.0</td> </tr> <tr> <td>4. Current Contract Value (1+2+3):</td> <td style="text-align: right;">6.6</td> </tr> <tr> <td>5. Incurred Cost:</td> <td style="text-align: right;">3.5</td> </tr> </table>						1. Award Value:	6.5	2. Executed Modifications:	0.1	3. Approved Change Orders:	0.0	4. Current Contract Value (1+2+3):	6.6	5. Incurred Cost:	3.5
1. Award Value:	6.5															
2. Executed Modifications:	0.1															
3. Approved Change Orders:	0.0															
4. Current Contract Value (1+2+3):	6.6															
5. Incurred Cost:	3.5															

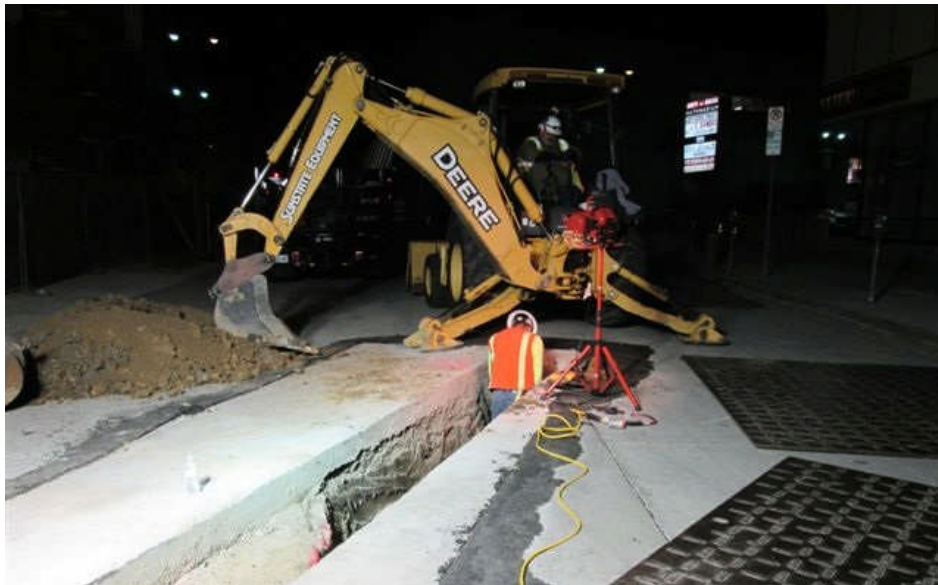
CONTRACT C1048 STATUS

<p>Description: AUR - La Brea Contractor: Metro Builders & Engineers Group, Ltd.</p>	<p>Contract No. C1048 Status as of: September 27, 2013</p>															
<p>Progress / Work Completed:</p> <p>Procurement: elect conduit / vaults / hydrants / pipe / fittings Orange Dr. from VL710 to MH5118 - Layout / sawcut / pothole / remove asphalt / install plates - Excavation / shoring</p> <p>Orange Dr. at Wilshire from VL710 to MH5151 at Intersection - Layout / sawcut / pothole / remove asphalt / install plates</p> <p>Orange Dr. at Wilshire from VL710 to MH5151 w of Orange - Layout / sawcut / pothole / remove asphalt / install plates</p> <p>Wilshire / Sycamore Intersection and Wilshire w of Sycamore - Layout / sawcut / pothole / remove asphalt / install plates</p> <p>Sycamore Ave - S of Wilshire - VL715 & MH707 to intersection - Layout / sawcut / pothole / remove asphalt / install plates</p> <p>Areas of Concern:</p> <p>Transfer of Orange and Sycamore water lines scope to Fairfax AUR contract</p>	<p>Major Activities (In Progress):</p> <p>At various locations throughout La Brea Station area:</p> <ul style="list-style-type: none"> - Site preparatation / excavation / shoring - Conduit installation - Encase conduit - Slurry backfill <p>Major Activities Next Period:</p> <p>At various locations throughout La Brea Station area:</p> <ul style="list-style-type: none"> - Continue site preparatation / excavation / shoring - Continue conduit installation - Continue encase conduit - Continue slurry backfill 															
<p>Schedule Summary:</p> <p>Date of Award: 05/13/13 Notice to Proceed: 08/01/13 Original Contract Duration: 230 CD Current Contract Duration: 230 CD Elapsed Time from NTP: 59 CD</p>		Original Contract Dates	Time Extension	Current Contract	Forecast	Variance CDs										
	Notice to Proceed	08/01/13	0	08/01/13	08/01/13	0										
	Milestone 1: Completion of LADWP Power Work	12/28/13	0	12/28/13	12/28/13	0										
	Milestone 2: Substantial Completion	03/18/14	0	03/18/14	03/18/14	0										
<p>Physical Percent Complete:</p> <p>Physical completion as of 09/27/13: 2%*</p> <p>* Note: Physical completion assessment reflects work completed and work in progress.</p>	<p>Cost Summary: \$ In millions</p> <table border="0"> <tr> <td>1. Award Value:</td> <td>6.2</td> </tr> <tr> <td>2. Executed Modifications:</td> <td>0.0</td> </tr> <tr> <td>3. Approved Change Orders:</td> <td>0.0</td> </tr> <tr> <td>4. Current Contract Value (1+2+3):</td> <td>6.2</td> </tr> <tr> <td>5. Incurred Cost:</td> <td>0.7</td> </tr> </table>						1. Award Value:	6.2	2. Executed Modifications:	0.0	3. Approved Change Orders:	0.0	4. Current Contract Value (1+2+3):	6.2	5. Incurred Cost:	0.7
1. Award Value:	6.2															
2. Executed Modifications:	0.0															
3. Approved Change Orders:	0.0															
4. Current Contract Value (1+2+3):	6.2															
5. Incurred Cost:	0.7															

CONSTRUCTION PHOTOGRAPHS



Utility potholing at Wilshire Blvd. and Orange



Utility potholing on Sycamore Avenue

CONSTRUCTION PHOTOGRAPHS



Shotcrete on West and North Walls of the Exploratory Shaft



Intrinsically Safe Excavator inside the Exploratory Shaft

**APPENDIX
COST AND BUDGET TERMINOLOGY**

Project Cost Descriptions

ORIGINAL BUDGET	The Original Project Budget as authorized by the Metropolitan Transportation Authority (Metro) Board (to be established).
CURRENT BUDGET	The Original Budget plus all budget amendments approved by formal Metro Board action. Also referred to as Approved Budget.
COMMITMENTS	The total of actual contracts awarded, executed change orders or amendments, approved work orders of Master Cooperative Agreements, offers accepted for purchase of real estate, and other Metro actions which have been spent or result in the obligation of specific expenditures at a future time.
EXPENDITURES	The total dollar amount of funds expended by Metro for contractor or consultant services, third party services, staff salaries, real estate and other expenses that is reported in Metro's Financial Information System (FIS).
CURRENT FORECAST	The best estimate of the final cost of the Project when all checks have been issued and the Project is closed out. Current Forecast is composed of actual costs incurred to date, the best estimate of work remaining and a current risk assessment for each budgeted cost item.

Cost Report by Element Descriptions

CONSTRUCTION	Includes construction contracts. Cost associated with Guideways, Stations, Southwestern Yard, Sitework/Special Conditions and Systems.
RIGHT-OF-WAY	Includes purchase cost of parcels, easements, right-of-entry permits, escrow fees, contracted real estate appraisals and tenant relocation.
VEHICLES	Includes the purchase of Heavy Rail Vehicles and spare parts for the Project.
PROFESSIONAL SERVICES	Includes design engineering, project management assistance, construction management support services, legal counsel, agency staff costs, and other specialty consultants.
CONTINGENCY	A fund established at the beginning of a project to provide for anticipated but unknown additional costs that may arise during the course of the Project.
PROJECT REVENUE	Includes all revenue received by Metro as a direct result of project activities. This includes cost sharing construction items, insurance premium rebates, and the like.

APPENDIX
LIST OF ACRONYMS

ATC	Automatic Train Control
ATSAC	Automated Traffic Surveillance and Control
BAFO	Best and Final Offer
BIM	Building Information Modeling
BNSF	Burlington Northern Santa Fe Railway Company
BRT	Bus Rapid Transit
CADD	Computer Aided Drafting and Design
CALTRANS	California Department of Transportation
CCTV	Closed Circuit Television
CD	Calendar Day
CEQA	California Environmental Quality Act
CM	Construction Manager
CMAQ	Congestion Mitigation and Air Quality Improvement Program
CMSC	Construction Management Services Consultant
CN	Change Notice
CO	Change Order
COBH	City of Beverly Hills
COLA	City of Los Angeles
CPM	Critical Path Method
CPUC	California Public Utilities Commission
CR	Camera Ready
CSPP	Construction Safety Phasing Plan
CTC	California Transportation Commission
CUD	Contract Unit Description
DB	Design Build
DBB	Design Bid Build
DOT	Department of Transportation
DWP	Department of Water and Power
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
EMSC	Engineering Management Services Consultant
EPBM	Earth Pressure Balance Machine
FAA	Federal Aviation Administration
FAR	Federal Acquisition Regulation
FD	Final Design
FEIS	Final Environmental Impact Statement
FEIR	Final Environmental Impact Report
FIS	Financial Information System
FLSR	Fire Life Safety Report
FONSI	Finding of No Significant Impact
FRA	Federal Railroad Administration
FSEIR	Final Supplemental Environmental Impact Report
FSEIS	Final Supplemental Environmental Impact Statement

**APPENDIX
LIST OF ACRONYMS (Continued)**

FTA	Federal Transit Administration
FTE	Full Time Equivalent
GBR	Geotechnical Baseline Report
GDSR	Geotechnical Design Summary Report
HMM	Hatch Mott MacDonald
HRT	Heavy Rail Transit
HRV	Heavy Rail Vehicle
IFB	Invitation for Bid
IPMO	Integrated Project Management Office
JV	Joint Venture
LA	Los Angeles
LABOE	Los Angeles Bureau of Engineering
LABOS	Los Angeles Bureau of Sanitation
LABSL	Los Angeles Bureau of Street Lighting
LACFCD	Los Angeles County Flood Control District
LACMTA	Los Angeles County Metropolitan Transportation Authority
LADOT	Los Angeles Department of Transportation
LADPW	Los Angeles Department of Public Works
LADWP	Los Angeles Department of Water and Power
LAUSD	Los Angeles Unified School District
LAWA	Los Angeles World Airports
LAX	Los Angeles International Airport
LNTP	Limited Notice To Proceed
LONP	Letter Of No Prejudice
LOP	Life-of-Project
LPA	Locally Preferred Alternative
LRTP	Long Range Transportation Plan
LRV	Light Rail Vehicle
MCA	Master Cooperative Agreement
MIS	Major Investment Study
MOU	Memorandum of Understanding
MPSR	Monthly Project Status Report
N/A	Not Applicable
NEPA	National Environmental Protection Act
NOD	Notice of Determination
NPDES	National Pollution Discharge Elimination System
NTE	Not to Exceed
NTP	Notice To Proceed
OCC	Operations Control Center
OSHA	Occupational Health and Safety Administration
PA/VMS	Public Address/Visual Messaging Sign
PE	Preliminary Engineering

APPENDIX
LIST OF ACRONYMS (Continued)

PEER	Permit Engineering Evaluation Report
PIP	Project Implementation Plan
PLA	Project Labor Agreement
PM	Project Manager
PMIP	Project Management Implementation Plan
PMOC	Project Management Oversight Consultant
PMP	Project Management Plan
P&P	Policies & Procedures
PR	Project Report
PSR	Project Study Report
QA	Quality Assurance
QAR	Quality Assurance Report
QC	Quality Control
QPSR	Quarterly Project Status Report
QTIB	Qualified Transit Improvement Bonds
RAMP	Real Estate Acquisition Management Plan
RCHAR	Rail Crossing Hazards Analysis Report
RCMP	Risk Assessment Management Plan
RFC	Request For Change
RFP	Request For Proposals
RFSC	Request for Special Consideration
RHA	Risk Hazard Analysis
RLPE	Red Light Photo Enforcement
ROC	Rail Operations Center
ROD	Record Of Decision
ROM	Rough Order of Magnitude
ROW	Right-Of-Way
RPZ	Runway Protection Zone
RSD	Revenue Service Date
SAV	Stand Alone Validator
SCAQMD	Southern California Air Quality Management District
SCADA	Supervisory Control and Data Acquisition
SCC	Standard Cost Category
SCE	Southern California Edison
SCG	Southern California Gas Company
SCRRA	Southern California Regional Rail Authority
SHA	State Highway Account
SHPO	State Historic Preservation Office
SIT	System Integration Testing
SOQ	Statement of Qualification
SOV	Schedule Of Value
SOW	Statement Of Work

**APPENDIX
LIST OF ACRONYMS (Continued)**

SP	Special Provision
SSMP	Safety and Security Management Plan
STB	Surface Transportation Board
STIP	State Transportation Improvement Program
STP	Surface Transportation Program
STV	STV Group
TBD	To Be Determined
TBM	Tunnel Boring Machine
TCE	Temporary Construction Easement
TCRP	Traffic Congestion Relief Program
TIFIA	Transportation Infrastructure Finance and Innovation Act
TIGER	Transportation Investment Generating Economic Recovery
TPSS	Traction Power Substation
TRACS	Transit Automatic Control System
TVA	Threat Vulnerability Analysis
TVM	Ticket Vending Machine
UFS	Universal Fare System
USDOT	United States Department Of Transportation
VE	Value Engineering
WBS	Work Breakdown Structure
WP	Work Package
YOE	Year of Expenditure