Westside Purple Line Extension Section 1 Project



WESTSIDE PURPLE LINE EXTENSION SECTION 1 PROJECT

MONTHLY 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).

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PROJECT SUMMARY

		-		-01 30141141							
LOCATION:		CONSTRUCTION MAN	AGEMENT C	ONSULTANT	: WEST, a Joint Venture						
DESIGN CONSULTANT:	DESIGN CONSULTANT: Parsons / Brinckerhoff					CONTRACTOR: Skanska, Traylor and Shea, a Joint Venture					
C1045 Soundwall	Construction	La Brea Nort	n Yard	WORK COMPLETED PAST MONTH							
		- Finalizing real estate acquisitions and relocations - C1045 Wilshire/Western 85% design Metro review - C1045 Wilshire/La Brea area 100% temporary UG Utility design complete - C1045 Wilshire/La Brea SOE design nearing completion - C1045 Wilshire/Fairfax 60% design Metro review - C1045 Wilshire/Fairfax 60% design continues - C1045 Tunnel 85% design continues - C1045 Systems/Trackwork 60% design nearing completion - C1045 Baseline Schedule final review - C1045 Soundwall construction began - C1045 Temp. TBM Power work continues - C1045 La Brea South building demolition began - C1055 Wilshire/Fairfax AUR 12" Waterline continues on Fairfax - C1055 Wilshire/Fairfax AUR Vault vent construction complete - C1056 Wilshire/La Cienega AUR Sewer line C-S. Wilshire-Hamilton to Tower 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	\$88.3	56.0%	Environmental FEIS / FEIR	N/A	05/31/12	Complete				
RIGHT-OF-WAY	\$175.6	\$116.3	66.2%	Design							
CONSTRUCTION	\$1,737.4	\$239.9	13.8%	PE Notice to Proceed Final Design complete	N/A 03/22/17	01/12/11	Complete 0				
OTHER	\$1,078.7	\$86.2	8.0%	Right-of-Way	00/22/11	00,22,11	·				
TOTAL	\$3,149.4	\$530.6	16.8%	All parcels available	12/31/15	12/31/15	0				
Current Budget includes En	•		nance Costs.	Construction - Main D		I Contract					
AREAS OF CONCERN				Notice to Proceed	01/12/15	01/12/15	Complete				
				Construction complete	11/08/23	11/08/23	0				
ROW ACQUISITION	PLAN	AVAILABLE	REMAINING	CRITICAL ACTIVITIES	/ 3 MONTH	LOOK AHEAD)				
PERMANENT PARCELS	15	12	3	- C1045 Wilshire/La Brea 100% permanent utility design complete - C1045 Wilshire/La Brea SOE complete							
TEMPORARY PARCELS	4	4	0	- C1045 Wilshire/La Bre - C1045 Wilshire/La Bre	ea 85% desig	n Metro review					
TOTAL PARCELS	19	16	3	- C1045 TBM temporary power duct bank work complete - C1045 Contractor orders piles for Wilshire/La Brea Station - C1045 Systems/Trackwork 60% design metro review - C1055 Wilshire/Fairfax AUR: MS #3 substantial completion - C1056 Wilshire/La Cienega AUR: Power relocation work continuing							

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 (EMS) team continues to provide design support to the Advanced Utility Relocation (AUR) contracts, the Design/Build Contract, and the Division 20 Maintenance-of-Way and Non-Revenue Vehicle Building 61S Contract.

For the Wilshire/La Brea AUR Contract (C1048), record drawings are being finalized to reflect the C1048 as-built conditions. The information from these drawings is being incorporated into the Tunnels, Stations, Trackwork, Systems and Systems Integration Testing Contract (C1045) composite utility drawings. Record drawings were sent to LADWP (Water and Power) in April 2015 for their final review and acceptance, prior to them being finalized.

For the Wilshire/Fairfax AUR Contract (C1055), the team continues to support Metro in responding to Request for Information (RFI's) and submittals. A fulltime field engineering representative continues to support nighttime construction activities.

For the Wilshire/La Cienega Station AUR Contract (C1056), support to Metro continues with traffic control requests for revised Worksite Traffic Control Plans for the contractor to comply with the Memorandum of Agreement (MOA) between Metro and the City of Beverly Hills; and also with the City of Los Angeles Department of Transportation where the traffic control plans extends beyond the City of Beverly Hills jurisdiction at San Vicente Boulevard. A fulltime field engineering representative continues to support construction activities.

The team is continuing to support Metro in the coordination with the City of Los Angeles, City of Beverly Hills, and third party utility companies, including updates to the AT&T and SCG relocation designs and associated traffic control plans.

The Division 20 Maintenance-of-Way (MOW) and the Non-Revenue Vehicle (NRV) Building 61S project definition documents were conformed in advance of contract award.

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Attended bi-weekly task force meetings with Metro and the C1045 Contractor for Tunnels, Stations, Trackwork, Systems and Systems Integration Testing to resolve technical issues related to each design discipline. The team is supporting Metro in reviewing final design submittals, responding to RFI's, and assisting in preparation of change notices. *Completed the review of the 85% Partial Design Unit, Wilshire/La Brea Support of Excavation (SOE), and returned comments on two specification packages (2 and 3) for the Wilshire/La Brea Station.*

The C1045 Contractor, Skanska, Traylor and Shea (STS), has mobilized the final design team, Parson's Transportation Group (PTG).

The design work has been identified into six distinct design units. They are:

- 1. Design Unit 1 Wilshire/Western Interface Chamber (Shaft)
- 2. Design Unit 2 Wilshire/La Brea Station
- 3. Design Unit 3 Wilshire/Fairfax Station
- 4. Design Unit 4 Wilshire/La Cienega Station
- 5. Design Unit 5 Tunnels
- 6. Design Unit 6 Systems/Traffic/Trackwork

Each design unit package will be submitted and evaluated at each of the following phases; 60%, 85%, 100%, Approved for Construction (AFC) and Issued for Construction (IFC). If required, critical design units can be advanced as Advanced Partial Design Units (APDU's) to support ongoing construction activities.

Design activities are well underway with the involvement of every discipline and design task force meetings are occurring weekly related to each design unit.

A special task force has been assembled to review the 85% Wilshire/La Brea Station Support of Excavation (SOE) design drawings and calculations in conjunction with the draft dewatering plans and building protection report. STS completed additional geotechnical investigation work. A water pump test will be performed during September in the area of the Wilshire/La Brea Station to confirm the initial dewatering and settlement data. STS is planning to complete the analysis of the additional field investigation work by mid-September in order for the station pile fabrication to begin.

The Wilshire/La Cienega Station design began in early July 2015 with the 60% design submittal planned for November 2015.

The 60% design package for Wilshire/Fairfax Station and the 85% design package for the Wilshire/Western Interface and TBM Retrieval Shat were submitted for Metro's review in August 2015. The design packages for the Wilshire/La Brea 85% design submittal and the Systems/Traffic/Trackwork 60% design submittal are scheduled for September 2015.

"Over-the-shoulder" design reviews are occurring with STS, PTG, Metro and the EMS team prior to each major design submittal and monthly Metro Fire/Life/Safety meetings are occurring.

Several follow-up meetings and "over the shoulder" reviews have occurred with STS and Metro's Project Control staff to bring closure to the remaining schedule comments of the Contract Baseline CPM Schedule. It is anticipated that all comments will be addressed in August, so that schedule can be finalized and accepted in early September 2015.

STS is continuing with the required contractual submittals.

Major Contract Procurement

On July 23, 2015, the MTA Board authorized the CEO to award Contract C1078, Division 20 Maintenance-of-Way (MOW) and the Non-Revenue Vehicle (NRV) Building 61S, to Clark Construction Group for a firmed fixed price amount of \$52,830,310. Contract award was issued on August 3, 2015 and the Notice-to-Proceed is planned for September 30, 2015.

Construction

The Wilshire/La Brea AUR Contractor (C1048) achieved substantial completion on October 27, 2014. Follow-on work by LADWP Power has been completed. Work performed in the same area by Southern California Gas was completed in late March 2015. AT&T work was completed in early May 2015. *The closeout of the contract occurred in August 2015.*

On July 10, 2015, the Wilshire/Fairfax AUR (C1055) contractor achieved contractual Milestone #2, Completion of Power, and is on schedule to achieve substantial completion in October 2015. The C1055 contractor also has completed the construction of an electrical ductbank crossing at Wilshire Boulevard and Orange Grove in the Wilshire/La Brea Station area. This was additional work for the contractor and it did not have an impact to Contract C1045 early utility construction activities.

Follow-on work in the Wilshire/Fairfax Station area by third party utilities (AT&T, LADWP Power, and SCG) is anticipated to be completed by summer 2016. This will complete all AUR work at this location and prior to the contractual access date for the C1045 Design/Build contractor to begin construction of the Wilshire/Fairfax Station.

The C1045 contractor has completed building demolition at the Wilshire/La Brea North construction staging area and has begun constructing the soundwall. Building demolition at the Wilshire/La Brea South construction staging area began this month. The contractor also began constructing the TBM power ductbank.

Metro staff continues to meet with the City of Beverly Hills to obtain a Memorandum of Agreement (MOA) for Contract C1045.

Property abatement and remediation work is continuing prior to providing site access to the C1045 contractor.

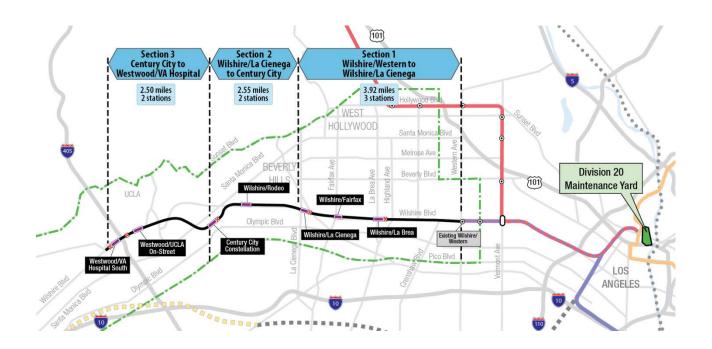
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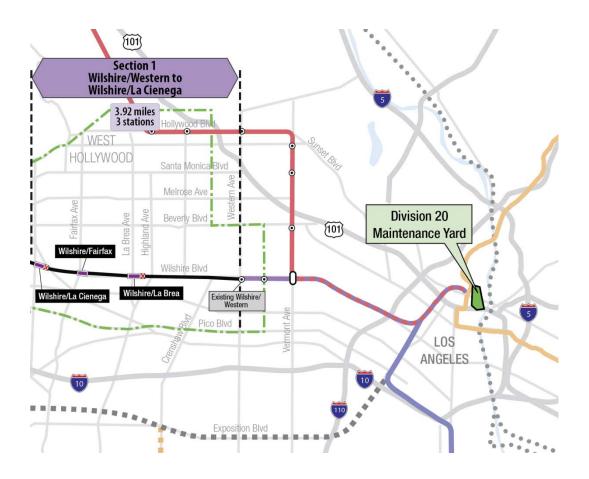
MANAGEMENT ISSUES

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, tail tracks will be located west of the station box.

Contract C1034 - Wilshire/Fairfax Exploratory Shaft

Metro constructed an exploratory shaft to observe ground conditions prior to the award of Contract C1045. The location of the exploratory shaft was adjacent to the future Wilshire/Fairfax Station. The construction of the shaft included 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 was maintained for an observation time period. Afterwards, the shaft was dismantled and the site backfilled in a condition acceptable to the property owner. The contract was substantially completed on October 31, 2014.

Contract C1048 – Wilshire/La Brea Advanced Utility Relocations

The work scope of this contract included the relocation of existing LADWP power, water utilities and a sewer line within the construction limits of the Wilshire/La Brea Station. The contractor was responsible for working in streets, procuring materials, and coordinating with the utility owner. The contractor constructed the new facilities in accordance with the utility

plans and specifications, provided traffic control, restored streets, and supported utility crews installing cabling and during cut-over of the existing utilities. The contract was substantially completed on October 27, 2014.

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 responsible 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, storm drain and sewer utilities within the construction limits of the Wilshire/La Cienega Station. The contractor is responsible 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.

<u>Contract C1045 - Tunnels, Stations, Trackwork, Systems and Systems Integration</u> <u>Testing</u>

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 tail tracks. 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.

<u>Contract C1078 – Division 20 Maintenance-of-Way and Non-Revenue Vehicle Building 61S</u>

The Design/Build contract provides for final design and construction of a new Maintenance-Of-Way (MOW) stores and Non-Revenue Vehicle (NRV) building at the south end of the existing Division 20 Yard (Location 61S). The displacement of the existing MOW stores building and NRV facility are due to the proposed turn-back facility site in the yard.

BASE PROJECT SCOPE (Continued)

Metro Furnished Equipment

Metro will procure separate contracts 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.

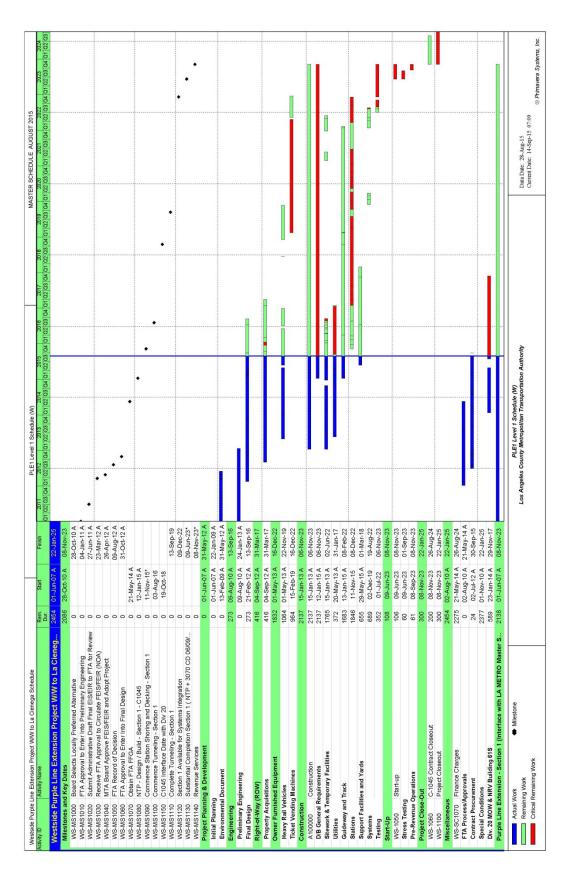
Start Up

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 MILES TONES SIX- MONTH LOOK AHEAD

	Milestone	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16
	Date						
C1045 Wilshire/La Brea North Bldg. Demo. Completes	09/07/15						
C1078 Contract Notice-to-Proceed	09/30/15	•					
C1078 Design Mobilization Begins	10/01/15						
C1055 Substantial Completion	10/18/15						
C1045 Building Demolition Wilshire/La Cienega East & West Complete	11/10/15						
C1045 Wilshire/La Brea Utility Relocation Complete	11/10/15						
C1045 Wilshire/La Brea North Pile Installation Begins	11/11/15						
C1045 TBM Temporary Power Work Complete	12/30/15						
C1045 Wilshire/Western Shaft Design Complete	01/15/16						
C1045 Wilshire/La Brea Station Design Complete	02/18/16						
◆ MTA Staff MTA Board Action	FTA						
△ Other Agencies							

PROJECT SUMMARY SCHEDULE



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SCHEDULE MEASUREMENTS

OVERALL CONSTRUCTION PROGRESS CURVE

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MAJOR EQUIPMENT DELIVERY

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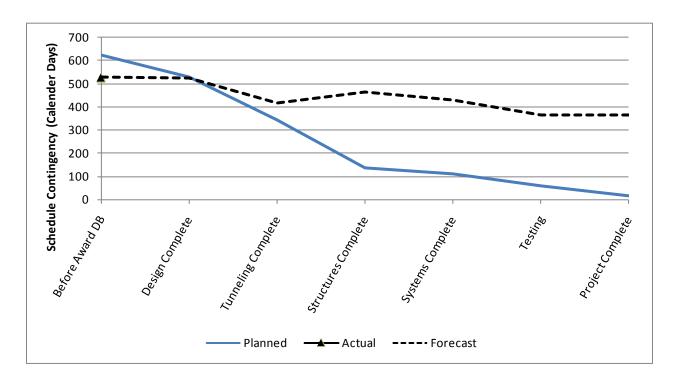
DESIGN BUILDER'S (C1045) LONG LEAD ITEM LIST

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 final design for station boxes and tunnels. Final design is concurrent with the C1055 Wilshire/Fairfax Advanced Utility Relocation and C1056 Wilshire/La Cienega Advanced Utility Relocation contracts being performed by Metro's AUR Contractors and by third party utility companies. Upon completion of advanced utility relocations, the Design/Build contractor begins installation of soldier piles, first on the north side of the Wilshire/La Brea 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 though a retrieval shaft at Wilshire/Western, reassembled 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 SCHEDULE CONTINGENCY DRAWDOWN



PROJECT SCHEDULE CONTINGENCY DRAWDOWN ANALYSIS

The project schedule contingency drawdown curve is based on a November 8, 2023 Revenue Service Date (RSD).

PROJECT COST STATUS

SCC CODE	DESCRIPTION I		CURRENT BUDGET		COMMITMENTS		EXPENDITURES		CURRENT FORECAST		BUDGET FORECAS
CODE		BUDGET	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	VARIANCI
10	GUIDEWAY & TRACK ELEMENTS	388,294	-	388,294	-	380,680	-	1,820	-	388,294	
20	STATIONS, STOPS, TERMINALS, INTERMODAL	440,621	-	440,621	-	435,131	-	-	-	440,621	
30	SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS	43,323	-	43,323	-	-	-	-	-	39,327	(3,9
40	SITEWORK & SPECIAL CONDITIONS	751,566	-	751,566	1,774	737,166	29,819	238,032	(286)	762,303	10,7
50	50 SYSTEMS		-	113,574	-	97,466	-	-	-	113,574	
CONSTRUCTION SUBTOTAL (10-50)		1,737,378		1,737,378	1,774	1,650,443	29,819	239,852	(286)	1,744,119	6,7
60	ROW, LAND, EXISTING IMPROVEMENTS	175,634	-	175,634	-	175,634	4,858	116,328	-	175,634	
70	VEHICLES	160,196		160,196	-			-	-	145,493	(14,7
80	PROFESSIONAL SERVICES	412,710		412,710	7,029	207,800	6,448	135,059	-	415,575	2,8
	SUBTOTAL (10-80)	2,485,918		2,485,918	8,803	2,033,877	41,125	491,239	(286)	2,480,822	(5,0
90	UNALLOCATED CONTINGENCY	248,592	-	248,592	-			-	286	298,094	49,5
100	FINANCE CHARGES	375,470	-	375,470	-	-	-	-	-	331,065	(44,4
	TOTAL PROJECTS 465518 & 865518 (10-100)	3,109,980	-	3,109,980	8,803	2,033,877	41,125	491,239	-	3,109,980	
	ENVIRONMENTAL/PLANNING - 405518	8,505		8,505	-	8,505		8,505	-	8,505	
ENVIRONMENTAL/PLANNING - 465518		30,865	-	30,865	-	30,865	(8)	30,852	-	30,865	
	TOTAL PROJECTS 405518 & 465518 (ENV / PLAN'G)	39,370	-	39,370	-	39,370	(8)	39,357	-	39,370	
	TOTAL PROJECTS 405518, 465518 & 865518	3,149,350	-	3,149,350	8,803	2,073,247	41,117	530,596	-	3,149,350	

PROJECT COST ANALYSIS

Original Budget and Current Budget

The Original Budget and Current Budget of \$3.1 billion reflect the Board approved Life of Project Budget, July 24, 2014, plus Finance Charges of \$0.4 billion.

Current Forecast

The Current Forecast remains the same this period at \$3.1 billion. However, the Sitework & Special Conditions was decreased by \$0.3 million to reflect the final closeout value of Contract C1048 – Advanced Utility Relocations at Wilshire/La Brea Station. The \$0.3 million was transferred to Unallocated Contingency.

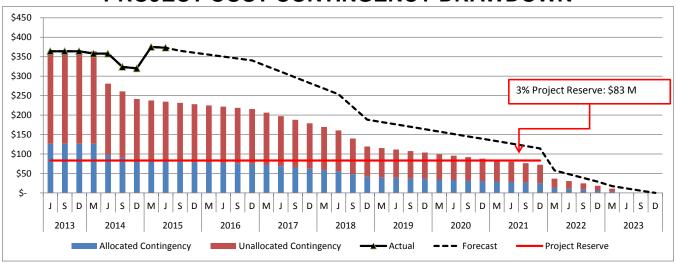
Commitments

The Commitments increased by \$8.8 million primarily due to executed modifications associated with the continuation of Construction Management Support Services and Environmental Waste Handling & Compliances Services. The \$2.1 billion in Commitments to date represents 65.8% of the Current Budget.

Expenditures

The Expenditures are cumulative through July 2015. The Expenditures increased by \$41.1 million this period primarily for costs associated with the Design/Build Contract C1045, Advanced Utility Relocations, Environmental Services, Real Estate Acquisitions, Engineering Management Services, Construction Management Support Services, and Metro Project Administration. The \$530.6 million in Expenditures to date represents 16.8% of the Current Budget.

PROJECT COST CONTINGENCY DRAWDOWN



PROJECT COST CONTINGENCY DRAWDOWN ANALYSIS

The current budget includes a project cost contingency of \$320.6 million or 10.2% of the total project. This includes an unallocated contingency of \$248.6 million and an allocated contingency amount of \$72.0 million. The allocated contingency is an amount to cover anticipated but unknown contract modifications issued by Metro where applicable to specific contracts within each Standard Cost Category (SCC).

Included in the project cost contingency drawdown is a 3% project reserve threshold. Metro's Board is to be notified when it becomes necessary to drawdown contingency below the project reserve threshold to cover project costs. This was adopted by the Metro Board of Directors in September 2012.

The project cost contingency drawdown curve is based on a November 8, 2023 Revenue Service date.

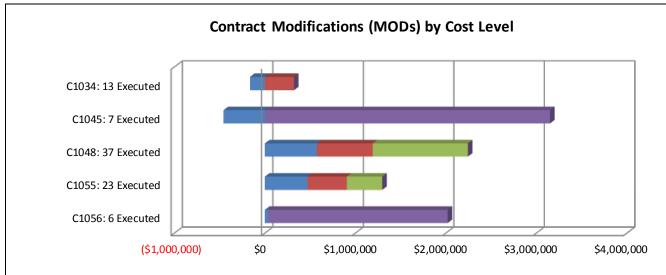
Unallocated contingency was increased by \$0.3 million due to final closeout value of Contract C1048 – Advanced Utility Relocations at Wilshire/La Brea Station. Allocated contingency was decreased this period by a net of \$0.3 million due to the final closeout value of the Wilshire/La Brea AUR Contract C1048 and executed Contract Modifications for the Wilshire/Fairfax AUR Contract C1055 and Wilshire/La Cienega AUR Contract C1056.

PROJECT COST CONTINGENCY DOLLARS IN THOUSANDS									
	Original Contingency (Budget)	Previous Period	Current Period	To-Date	Remaining Contingency (Forecast)				
Unallocated Contingency	248,592	49,216	286	49,502	298,094				
Allocated Contingency	71,963	(2,176)	(335)	(2,511)	69,452				
Total Contingency	320,555	47,040	(50)	46,990	367,546				

DISADVANTAGED BUSINESS ENTERPRISE (DBE)

PROJECT LABOR AGREEMENTS (PLA) STATUS

SUMMARY OF CONTRACT MODIFICATIONS



	C1034	C1045	C1048	C1055	C1056	Total
	13 Executed	7 Executed	37 Executed	23 Executed	6 Executed	iotai
■ Under \$100K	(164,288)	(456,738)	574,448	468,856	35,095	457,373
■ \$100K to \$250K	321,000	-	616,809	436,190	-	1,373,999
■ \$250K to \$1M	-	-	1,050,980	390,709	-	1,441,689
Over \$1M	-	3,150,000	-	-	1,983,179	5,133,179
Total Contract MODs	156,712	2,693,262	2,242,237	1,295,755	2,018,274	8,406,240
Contract Award Amount	6,487,020	1,636,418,585	6,181,000	14,430,000	20,250,000	1,683,766,605
% of Contract MODs	2.4%	0.2%	36.3%	9.0%	10.0%	0.5%

Percent of Contract MODs equals the Total Contract MODs divided by the Contract Award Amount.

Thirteen Contract MODs with a total value of \$0.2 million have been executed since the award of Contract C1034 – Exploratory Shaft Construction by Innovative Construction Solutions (ICS).

Seven Contract MODs with a total value of \$2.7 million have been executed since the award of Contract C1045 – Tunnels, Stations, Trackwork, Systems and Systems Integration Testing by Skanska - Traylor - Shea, a Joint Venture.

Thirty-seven Contract MODs with a total value of \$2.2 million have been executed since the award of Contract C1048 – Advanced Utility Relocations at Wilshire/La Brea by Metro Builders & Engineering Group, LTD.

Twenty-three Contract MODs with a total value of \$1.3 million have been executed since the award of Contract C1055 – Advanced Utility Relocations at Wilshire/Fairfax by W. A. Rasic Construction Company, Inc.

Six Contract MODs with a total value of \$2.0 million have been executed since the award of Contract C1056 – Advanced Utility Relocations at Wilshire/La Cienega by Steve Bubalo Construction Co.

FINANCIAL/GRANT STATUS

August 2015	STATUS OF FUNDS BY SOURCE								
SOURCE	(A) ORIGINAL BUDGET	(B) TOTAL FUNDS ANTICIPATED	(C) TOTAL FUNDS AVAILABLE	(D) COMMI	(D/B) ITMENTS %	(E) EXPE	(E/B) NDITURES %	(F) BILLED TO SOURC \$	
		7HVIIOH 7HLD	, while loca	Ψ	70	Ψ	,,,	Ψ	
FEDERAL - SECTION 5309 NEW STARTS	\$1,250.000	\$1,250.000	\$65.000	\$1,250.000	100%	\$65.000	5%	\$65.000	5%
FEDERAL CMAQ	\$12.171	\$12.171	\$0.000	\$0.000	0%	\$0.000	0%	\$0.000	0%
FEDERAL SECTION 5339 - ALTERNATIVES ANALYSIS	\$0.512	\$0.512	\$0.512	\$0.512	100%	\$0.512	100%	\$0.512	100%
MEASURE R - TIFIA LOAN	\$856.000	\$856.000	\$0.000	\$0.000	0%	\$0.000	0%	\$0.000	0%
MEASURE R 35%	\$869.178	\$869.178	\$255.104	\$736.519	85%	\$378.868	44%	\$70.334	8%
STATE STIP RIP	\$2.568	\$2.568	\$2.568	\$2.568	100%	\$2.568	100%	\$2.568	100%
STATE CAPITAL PROJECT LOANS - OTHERS *	\$83.648	\$83.648	\$83.648	\$83.648	100%	\$83.648	100%	\$50.898	61%
CITY OF LOS ANGELES	\$75.273	\$75.273	\$0.000	\$0.000	0%	\$0.000	0%	\$0.000	0%
TOTAL	\$3,149.350	\$3.149.350	\$406.832	\$2,073.247	65.8%	\$530.596	16.8%	\$189.312	6.0%

EXPENDITURES ARE CUMULATIVE THROUGH JULY 2015 ORIGINAL BUDGET BASED ON JULY 2014 BOARD APPROVED LOP BUDGET

STATUS OF FUNDS ANTICIPATED

FEDERAL SECTION 5309 NEW STARTS: FTA grant CA-03-0824 for \$65 million was awarded on June 2, 2014. FTA Grant CA-03-0824-01 for \$100 million was awarded on August 10, 2015. Funds are available for drawdown.

FEDERAL SECTION 5309 ALTERNATIVE ANALYSIS: FTA grant CA-39-0006 of \$511.6 million was awarded on July 25, 2014. Funds are available for drawdown.

MEASURE R – TIFIA LOAN (Transportation Infrastructure Finance & Innovation Act): TIFIA Loan was executed on May 21, 2014 for \$856 million. First disbursement is planned for FY 2018.

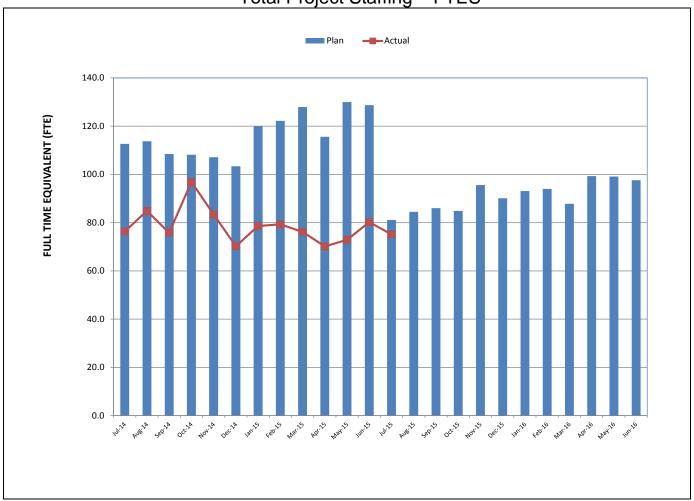
STATE STIP RIP: State grant application of \$8.4 million, of which \$2.6 million has been allocated to this project, was awarded on July 26, 2007. Funds are available for drawdown.

CMAQ (Congestion Mitigation & Air Quality): FTA Grant CA-95-X264 for \$12.2 million was awarded July 27, 2015. Funds are available for drawdown.

^{*} OTHERS INCLUDE TDA ADMINISTRATION (\$4.1M), LTF GENERAL REVENUES (\$1.8M), AND LEASE REVENUES (\$37.8M)

STAFFING STATUS

Total Project Staffing – FTES



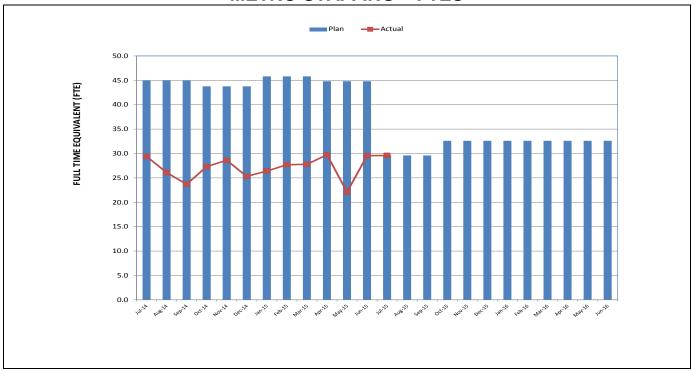
TOTAL PROJECT STAFFING

The overall FY16 Total Project Staffing Plan averages 91.1 FTEs per month.

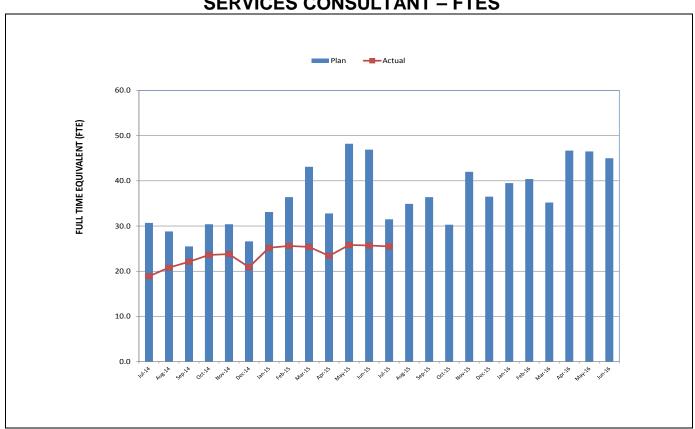
For July 2015, there were a total of 29.6 FTEs for MTA's Project Administration staff and 45.5 FTEs for consulting staff. The total project staffing for July 2015 was 75.1 FTEs.

Metro has re-visited the staffing requirements for Fiscal Year 2016 and has provided an update based upon the current project schedule and project needs. The Construction Management Services Consultant (CMSC) staffing level plan may change in the upcoming months to reflect the actual position conversions of CMSC staff to Metro staff per the July 2015 Metro Board action.

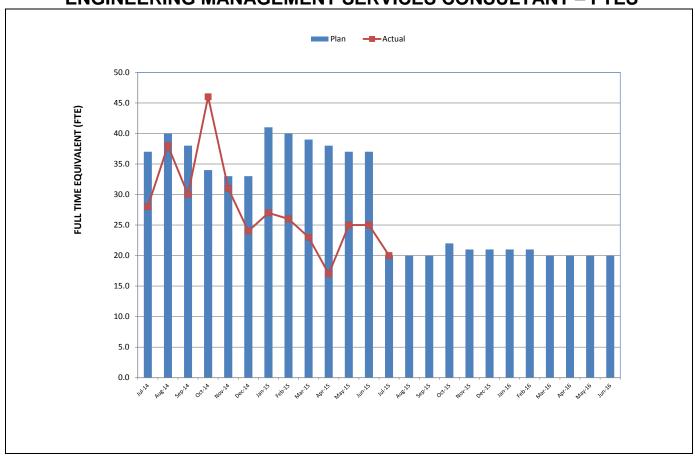
STAFFING STATUS (Continued) METRO STAFFING – FTES



CONSTRUCTION MANAGEMENT SERVICES CONSULTANT – FTES



STAFFING STATUS (Continued) ENGINEERING MANAGEMENT SERVICES CONSULTANT – FTES



REAL ESTATE STATUS

Purple Line Extension Section 1 - Real Estate Status Summary											
	Number		Appraisals	isals Offers Agreements Condemnation		Condemnation	Reloc	ations	Parcels		
Description	of Parcels	Certified	Completed	Made	Signed	Filed	Required	Completed	Available		
Full Takes	9	9	9	9	2	7	109	104	9		
Part Takes	6	6	6	5	1	3	0	0	3		
TCE	4	4	4	4	1	4	0	0	4		
Total Parcels	19	19	19	18	4	14	109	104	16		

The total count of the 19 parcels include the two Division 20 parcels required for constructing the MOW/NRV Building 61S.

Metro has possession of 16 parcels that are available to meet the C1045 Contract site availability dates. Metro will have possession of the remaining parcels by October 2015 and all parcels will be made available to the C1045 Contractor by late December 2015.

QUALITY ASSURANCE STATUS

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

- Attended weekly Project staff meetings and progress meetings with the Contractor.
- Ongoing discussions and coordination with the Engineering Management Services
 Consultant (EMSC) and Construction Management Support Services (CMSS) support
 staff for quality oversight.
- Reviewed and provided comments on quality related submittals.

C1055 – Advanced Utility Relocations – Wilshire/Fairfax

- Attended weekly progress meeting with the Contractor and internal monthly quality meeting.
- Reviewed and provided comments on quality related submittals.
- Attended Readiness Review Meetings.
- Reviewed daily inspection reports from the Contractor/Field Technician.
- Conducted quality surveillance (S2015-011) of the as-built development for utilities installation.
- Metro QM is confirming Contractor's lab of records as part of contract closeout.

C1056 – Advanced Utility Relocations – Wilshire/La Cienega

- Attended weekly progress meeting with the Contractor and internal monthly quality meeting.
- Reviewed and provided comments on quality related submittals.
- Attended Readiness Review Meetings.
- Reviewed daily inspection reports from the Contractor/Field Technician.
- Conducted quality surveillance (S2015-012) of the as-built development for utilities installation.

C1078 - Division 20 MOW and NRV Building 61S

 Project kickoff meeting planned for September 30, 2015. Initial Quality/Safety meeting to be determined at that time.

ENVIRONMENTAL STATUS

- Limited noise and vibration monitoring performed by AUR and DB Contractors. No significant noise or vibration exceedances were reported for work performed.
- Noise and Archeo/Paleo Monitoring for C1055, C1056, and C1045 work activities.
- Continued Construction Noise, Stormwater BMP and Archeo/Paleo Awareness Training for C1055, C1056 and C1045.
- Established day and night noise level limits based on measured data pending final approval of ambient report.
- Reviewed C1055, C1056 and C1045 Contractor submittals and tracked monitoring and reporting obligations in accordance with contract Specifications and EIR requirements.
- Participated in weekly C1055, C1056 and C1045 contract coordination meetings.
- Noise Compliance Report to City of Beverly Hills submitted August 11, 2015.
- Weekly Construction Noise Compliance Reports prepared by the Independent Compliance Monitor and submitted to Metro and City of Beverly Hills.
- Continued coordination and review process with City of Los Angeles and Beverly Hills municipalities and 3rd party utility companies.
- Continued the investigation of the oil/tar sump at La Brea and Detroit.
- Finalized the Ambient Noise and Facade Noise Reduction Analysis for the Saban Theater.
- Participated in various Construction Work Plan Workshops.
- Coordinated schedule and oversight requirements for noise, cultural resources and paleontological monitoring for upcoming construction activities.
- Prepared scope of work for high rise building modeling and ambient measurements at Wilshire/Western area.
- Reviewed DB Contractor's Contaminated Soil Disposal Plan.
- Reviewed haul route submittals for adherence to Final EIS/EIR.
- Coordinated procedure for Cultural, Archeological and Paleontological Awareness Training for non-excavation crews.
- Evaluated biological survey requirements during non-migratory bird season with Arborist and Biologist.

CONSTRUCTION RELATIONS STATUS

- Attended the following meetings: Construction Management, Advanced Utility Relocations, Construction Relations, Environmental Mitigations, Traffic Mitigation with the City of Los Angeles/City of Beverly Hills, STS Third Party Workshop, Beverly Hills MOA, Marketing, Social Media, Eat, Shop, Play, and Bus Relocations and Stops.
- Produced and distributed 20 construction work notices for advance utility relocations and construction activities.
- Made Project Presentations at the following: City of Beverly Hills staff, Councilmember Ryu, Beverly Hills Chamber of Commerce, Cloverdale and Ridgely residents, Miracle Mile Residential Association, South Detroit Residents and Miracle Mile Civic Coalition.
- Fielded and addressed the following: buses using local streets at detours, night crews using yards before soundwall installation, and replacement parking issues and where additional spaces should go.
- Visited and updated businesses and residences at future station locations to discuss utility relocations, business profiles and Eat, Shop, Play promotional campaign for businesses.
- Updated Facebook/Twitter website as needed.

CREATIVE SERVICES STATUS

- Continue to support mitigation efforts.
- Continued to refine project artwork opportunities.
- Responded to RFIs and submittal drawings and specifications.
- Participated in Systemwide Design integration reviews and presentations.
- Researched sites for Jim Isserman artwork relocation from Wilshire Customer Service Center.

SAFETY & SECURITY STATUS

- There were no injuries on the Project during August 2015.
- Due to the increase in the number of construction subcontractors and lag in the establishment of a reporting procedure, the Design/Builder did not submit their work hour data in time for the August 2015 Monthly Report. July and August data will be presented in the September 2015 Monthly Report.
- Safety staff participated in scheduled readiness review meetings to ensure compliance with approved Work Plans and contract specifications.
- Construction activities Advance Utility Relocations and pre-construction (C1045)
 activities continue to be monitored during both day and night work shifts to document
 contractor compliance with contract specifications.
- Safety staff attended weekly progress meetings and other project meetings to evaluate Contractors Safety Program compliance with contract requirements.
- Hosted Monthly All Hands Safety Meeting for all Westside Purple Line Extension Contractors on August 25th.
- Construction Safety staff continue to work with Program Management and Construction Relations staff to monitor issues related to public concerns regarding noise, traffic and transient encampment hazards as well as public interactions with the construction crews.
- June 2015 Contractor Work Hours (Design & Construction): 27,685
- Contractor Project to Date Work Hours (Design & Construction through 6/30/2015): 224,575
- Total Project to Date Work Hours (Contractor & the IPMO Staff through 6/30/2015): 371.905
- Project to Date Recordable Injury Rate: 0.5 (One Recordable Injury). Each rate is per 200,000 work hours (National Rate): 3.2
- Project to Date Total Time Away Injury Rate: 0.5 (One Time Away From Work Injury) (National Rate 1.8).
- Project to Date Total Days Away Rate: 26.4 (Forty-nine Days Away From Work) (No National Rate Published).
- National Rates for Heavy and Civil Construction (NAICS Code 237) are for Calendar Year 2013, published by USBLS in December 2014.

THIRD PARTY AGREEMENT STATUS

Third Party	Type of Agreement	Forecast Execution Date	Required Need Date	Status/ Comments
City of Los Angeles (LA)	Amendment to Master Cooperative Agreement	N/A	N/A	Parties will work under 2003 MCA.
City of Beverly Hills (BH)	MOAs (La Cienega only)	9/14 (AUR) 3/16 (D/B)	9/14 (AUR) 8/16 (D/B)	City of Beverly Hills approved the MOA for the C1056 Wilshire/La Cienega AUR contract on August 19, 2014. Metro continues to work with the City to establish an MOA for the C1045 Design/Build contract.
Los Angeles Department of Water and Power	Amendment to Memorandum of Understanding	N/A	N/A	Metro and LADWP will continue to work under the terms of the previous Cooperative Agreement.
Los Angeles County Public Works	Letter of Agreement	4/11	3/12	Executed
Caltrans	Amendment	8/11	3/12	Executed
Private Utilities	LOA, MOU, MCA, or MUA	9/14	N/A	Metro is working with affected third party utilities under existing agreements except for Qwest and Level 3. Draft agreements for Qwest and Level 3, and a new agreement for SCE are all under review. In absence of an agreement, work is being performed by work orders.

ADVANCED UTILITY RELOCATION STATUS

- C1048 AUR for the Wilshire/La Brea Station was substantially completed on October 27, 2014. Contract closeout was finalized in August 2015.
- AT&T relocations at the Wilshire/La Brea Station were completed in May 2015. AT&T relocations at the Wilshire/Fairfax Station began in January 2015 and are anticipated to be completed in November 2015. AT&T relocations on Hamilton Drive in the Wilshire/La Cienega Station area were completed in July 2015. AT&T work for the remaining portion of the Wilshire/La Cienega Station area is anticipated to be completed in February 2016.
- The Gas Company relocations at the Wilshire/Fairfax Station began in March 2015 and are anticipated to be completed in September 2015.
- The C1055 AUR contractor for Wilshire/Fairfax Station continues with power and water relocations. Contract Milestone #2 Power at Fairfax was completed on July 10, 2015. The contractor is on schedule to achieve substantial completion in October 2015.
- The LADWP Power relocations at the Wilshire/Fairfax Station will be completed by summer 2016.
- The Notice to Proceed (NTP) Wilshire/La Cienega AUR Contract (C1056) was issued on January 12, 2015. Construction began in late April 2015 to relocate Southern California Edison (SCE) utilities on the westbound side of Wilshire Boulevard. SCE relocations are continuing along with the City of Beverly Hills sewer, water and storm drain 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 Peak Hour Exemptions and Nighttime Construction Variances. Current efforts center around extending the existing nighttime noise variances to accommodate advanced utility relocations at the Wilshire/La Brea and Wilshire/Fairfax Station sites as well as obtaining new nighttime noise variances and peak hour exemptions to allow night work and weekend work to accommodate the Wilshire/La Brea, Wilshire/Fairfax and Wilshire/Western piling operations for the Design/Build contractor.

- The Peak Hour Exemption for Wilshire/La Brea pile installation was approved by the City of Los Angeles on November 8, 2013. A revised application was approved in June 2015 with the new construction dates of November 11, 2015 to May 3, 2016.
- The Peak Hour Exemptions for Wilshire/Fairfax and Wilshire/Western pile installations were approved by the City of Los Angeles on May 12, 2014. There will be a resubmittal with updated construction dates in early 2016.
- The Nighttime Noise Variance for the Wilshire/La Brea Advanced Utility Relocation work has been extended to February 2016 by the Los Angeles Police Commission.
- The Nighttime Noise Variance for the Wilshire/Fairfax Advanced Utility Relocation work has been extended to January 17, 2016 by the Los Angeles Police Commission.
- Metro has received a Peak Hour Exemption from the City of Los Angeles for the area near the Wilshire/La Cienega Station. This will accommodate the spillover of traffic control devices from the City of Beverly Hills into the City of Los Angeles. This Peak Hour Exemption was extended to November 2015.
- An approved Nighttime Noise Variance for pile installations at the Wilshire/La Brea Station was extended to October 30, 2015, at which time a six-month extension will be requested.

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 Utility Relocations contract – Wilshire/La Brea
November 2012	Began Final Design - C1055 - Advanced Utility Relocations contract – Wilshire/Fairfax
November 2012	Issued RFQ for C1045 Design / Build contract
December 2012	Began Final Design - C1056 - Advanced Utility Relocations contract – Wilshire/La Cienega
January 2013	Began C1034 Exploratory Shaft construction
February 2013	Received RFQ responses for C1045 Design / Build contract
June 2013	Issued RFP for C1045 Tunnels, Stations, Trackwork, Systems and Systems Integration Testing
June 2013	Beginning of C1055 AUR Wilshire/Fairfax Bid Period
July 2013	Submitted draft FFGA application

CHRONOLOGY OF EVENTS (Continued)

July 2013	Completed Final Design - C1048 - Advanced Utility Relocations contract – Wilshire/La Brea
July 2013	Submitted TIFIA loan application
August 2013	Began C1048 Advanced Utility Relocations contract – Wilshire/La Brea
August 2013	NTP for Construction Management Services Contract
January 2014	Submitted application to FTA requesting an FFGA
January 2014	Received RFP Proposals for Contract C1045
February 2014	Beginning of C1056 AUR Wilshire/La Cienega Bid Period
May 2014	FTA awarded FFGA
May 2014	Received TIFIA Loan
June 2014	Began C1055 Advanced Utility Relocations at Wilshire/Fairfax
July 2014	Metro Board approved staff recommendation to award Contract C1045 and approved Life-of-Project Budget
September 2014	Issued Invitation to Bid for Contract C1078
October 2014	Issued C1056 Contract Award
November 2014	Issued C1045 Contract Award
January 2015	Issued C1045 Contract Notice to Proceed
January 2015	Issued C1056 Contract Notice to Proceed
February 2015	Received Contract C1078 Bids
August 2015	Issued C1078 Contract Award

CONTRACT C1045 STATUS

Description: Westside Purple Line Extension Design-Build Contractor: SKANSKA - TRAYLOR - SHEA Progress / Work Completed:		Contract No. C1045 Status as of: August 28, 2015						
		Major Activities (In Progress):						
- Wilshire/Western 85% design subm - Wilshire/La Brea 85% design review - Wilshire/La Brea area temporary UC - Wilshire/La Brea SOE design nearin - Wilshire/Fairfax 60% design submit - Wilshire/La Cienega 60% design co - Tunnel 85% design underway - Systems 60% design underway - Baseline Schedule accepted - Wilshire/La Brea North site building Areas of Concern: None	- Wilshire/Western 85% design Metro review - Wilshire/La Brea 85% design comment resolution - Wilshire/Fairfax 60% design Metro review - Tunnels 85% design continues - La Brea SOE design continues - TBM Temp Power construction - Temporary wet utility work at Wilshire/La Brea - Wilshire/La Brea Station median removal - La Brea Sound Wall Major Activities Next Period: - Wilshire/Western 85% Design comment resolution - Wilshire/La Brea SOE Design comment resolution - Wilshire/Fairfax 60% Design comment resolution - TBM Power duct bank complete							
Schedule Summary:			Original Contract Dates	Time Extension	Current Contract	Forecast	Variance CDs	
Date of Award: Notice to Proceed: (actual)	11/04/14 01/12/15	Notice to Proceed (Estimated)	01/12/15	0	01/12/15	01/12/15	0	
Original Contract Duration: Current Contract Duration:	3250 CD 3250 CD	Milestone 1: Substantial Completion	06/09/23	0	06/09/23	06/09/23	0	
Elapsed Time from NTP:	228 CD	Milestone 2: Stations available to UFS	10/07/22	0	10/07/22	10/07/22	0	
		Milestone 3: Start of Integration Testing to ROC	01/10/23	0	01/10/23	01/10/23	0	
		Milestone 4: Demobilization	12/06/23	0	12/06/23	12/06/23	0	
		Milestone 5: Temporary Construction Easements	01/10/23	0	01/10/23	01/10/23	0	
Physical Percent Comple	ete:	Cost Summary: \$ In millions 1. Award Value: 1,636.4		ns				
Physical completion: 2.27%*		2. Executed Modifications: 2.7 3. Approved Change Orders: 0.0						
* Note: Physical completion assess work completed and work in progre	sment reflects 4. Current Contract Value (1+2+3): 1,639.1							

CONTRACT C1048 STATUS

Description: Wilshire/La Brea	AUR	Contract No.	C1048					
Contractor: Metro Builders &		Status as of: August 28, 2015						
Engineers Group,	Ltd.							
Progress / Work Completed:		Major Activiti	es (In F	Progres	s):			
- Substantial Completion - Contract Closeout Completed								
Areas of Concern: None		Major Activiti	es Nex	t Perio	d:			
Schedule Summary:			Original Contract Dates	Time Extension	Current Contract	Forecast	Variance CDs	
Date of Award: 05/13/ Notice to Proceed: 08/01/		Notice to Proceed	08/01/13	0	08/01/13	08/01/13	0	
· ·	30 CD 52 CD	Milestone 1: Completion of LADWP Power Work	12/28/13	0	12/28/13	05/22/14	-145	
Elapsed Time from NTP: 4	52 CD	Milestone 2: Substantial Completion	03/18/14	223	10/27/14	10/27/14	0	
Physical Percent Complete:		Cost Summa	ry:		\$ I	n millio	ns	
		1. Award Value:				6.2		
Physical completion: 100%*		2. Executed Modifi				2.2		
* Note: Dhysical completion	2040	Approved Chang Current Contract		. 0 . 0\.		0.0		
work completed and work in progress		4. Current Contract Value (1+2+3): 8.4 5. Incurred Cost: 8.4						

CONTRACT C1055 STATUS

Description: Wilshire/Fairfax AUR Contractor: W.A. RASIC Construction Company, Inc.	Contract No. C1055 Status as of: August 28, 2015 Major Activities (In Progress): - Power work punch list - 12" Waterline South of Wilshire Major Activities Next Period: - 12" Waterline South of Wilshire complete - Power work punch list complete - Final Punch-List work							
Progress / Work Completed:								
- C12" Waterline completed - MS #2 Power completed - Power Vault Vents - Wilshire/Fairfax AUR: Orange Dr duct bank								
Areas of Concern: None								
Schedule Summary:	Original Time Contract Dates Extension	Current Contract	Forecast	Variance CDs				
Date of Award: 03/28/14 Notice to Proceed: 05/01/14	Notice to Proceed 05/01/14 0	05/01/14	05/01/14	0				
Original Contract Duration: 535 CD Current Contract Duration: 535 CD	Milestone 1: 08/29/14 159	02/05/15	02/05/15	0				
Elapsed Time from NTP: 485 CD	Milestone 2: Power @ Fairfax 07/25/15 0	07/25/15	07/10/15	15				
	Milestone 3: Substantial Completion 10/18/15 0	10/18/15	10/18/15	0				
Physical Percent Complete: Physical completion: 81.02%* * Note: Physical completion assessment reflects work completed and work in progress.	Cost Summary: \$ In millions 1. Award Value: 14.4 2. Executed Modifications: 1.3 3. Approved Change Orders: 0.0 4. Current Contract Value (1+2+3): 15.7 5. Incurred Cost: 13.1							

CONTRACT C1056 STATUS

Description: Wilshire/La Cienega AUR Contract No. C1056 Status as of: August 28, 2015								
Progress / Work Completed:	Major Activities (In Progress):							
- Sewer line A La Cienega to Gale completed - Sewer line B Hamilton to Tower completed - Sewer line D Hamilton N. to S. completed - Sewer Line B STA 15+00 to 17+62 (Gale to Tower) completed - Sewer Line D STA 11+46 to 10+93 (Hamilton N to S) completed - Sewer Line D STA 10+93 to 10+67 (Hamilton N to S) completed - 2x5" SCE Electrical DB Tower STA 60+18 to EX VL #5040385	- Sewer Line F STA 1+00 to 1+52 (Tower Dr.) - Sewer Line C South Wilshire/Hamilton Dr. to Tower Dr.							
Areas of Concern: None	Major Activities Next Period: - SCE Vaults at Hamilton and Gale - SCE Duct bank crossing Wilshire along Hamilton - SCE Duct bank crossing Wilshire along Gale - Sewer Line C South Wilshire- Hamilton Dr. to Tower Dr. complete - Sewer Line F STA 1+00 to 1+52 (Tower Dr.) complete							
Schedule Summary: Date of Award: 10/13/14		Original Contract Dates	Time Extension	Current Contract	Forecast	Variance CDs		
Date of Award: 10/13/14 Notice to Proceed: (estimated) 01/12/15	Notice to Proceed (Estimated)	01/12/15	0	01/12/15	01/12/15	0		
Original Contract Duration: 696 CD Current Contract Duration: 696 CD	Milestone 1:	07/13/16	0	07/13/16	07/13/16	0		
Elapsed Time from NTP: 228 CD	Milestone 2: Substantial Completion	12/08/16	0	12/08/16	12/08/16	0		
Physical Percent Complete: Physical completion: 16.34%*	Cost Summary: 1. Award Value: 2. Executed Modifications: 3. Approved Change Orders:			\$ In millions 20.3 2.0 0.0				
* Note: Physical completion assessment reflects work completed and work in progress.	4. Current Contract Value (1+2+3): 22.35. Incurred Cost: 5.5							

CONSTRUCTION PHOTOGRAPHS



C1056 Contractor Relocating Utilities along Wilshire Blvd. Westbound Lanes



C1056 AUR Contractor Placing Cold Mix Asphalt on Trench Plates

APPENDIX COST AND BUDGET TERMINOLOGY

Project Cost Descriptions

ORIGINAL BUDGET The Original Project Budget as authorized by the Metropolitan

Transportation Authority (Metro) Board.

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, and 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.

Includes purchase cost of parcels, easements, right-of-entry **RIGHT-OF-WAY**

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 Includes design engineering, project management assistance, **SERVICES**

construction management support services, legal counsel,

agency staff costs, and other specialty consultants.

A fund established at the beginning of a project to provide for CONTINGENCY

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

CMSS Construction Management Support Services

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

CRMMP Cultural Resource Monitoring and Mitigation Plan

CSPP Construction Safety Phasing Plan
CTC California Transportation Commission

CUD Contract Unit Description

DB Design Build DBB Design Bid Build

DOT Department of Transportation Department of Water and Power **DWP** EIR **Environmental Impact Report Environmental Impact Statement** EIS EMS **Engineering Management Services 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

LONP 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

MMRP Mitigation Monitoring and Reporting Plan

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

PRMMP Paleontological Resource Monitoring Mitigation Plan

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

SBCC Steve Bubalo Construction Co

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

SWPPP Storm Water Pollution Prevention Plan

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