Westside Purple Line Extension



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).

JULY 2014

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PROJECT SUMMARY

LOCATION: DESIGN CONSULTANT:		CONSTRUCTION MANA	GEMENT CO	NSULTANT: \	WEST JV		
ADVANCED UT	77	WORK COMPLETED PAST MONTH					
				- C1034 Exploratory Shaft monitoring period is ongoing - C1048 Advanced Water Utilities Relocations (AUR) continuing at La Brea - CES and LADWP power AUR continuing at La Brea & Fairfax - Continuing real estate activities - C1055 Fairfax AUR power work began at Orange Grove - Continued design for 3rd-party and advanced utility relocations & traffic contro - C1056 La Cienega AUR awaiting contract award			
EXPENDITURE STATUS (\$ In Millions)				SCHEDULE ASSESSME	NT		
ACTIVITIES	CURRENT BUDGET	EXPENDED AMOUNT	PERCENT EXPENDED			VARIANCE WEEKS	
	İ			Environmental			
DESIGN	\$157.7	\$58.8	37.3%	FEIS / FEIR	N/A	05/31/12	Complete
RIGHT-OF-WAY	\$175.6	\$4.8	2.7%	Design			
CONSTRUCTION	\$1,737.4	\$16.5	0.9%	PE Notice to Proceed	N/A	01/12/11	Complete
				Final Design complete	02/22/17	03/22/17	0
OTHER	\$1,078.7	\$67.1	6.2%	Right-of-Way			
TOTAL	\$3,149.4	\$147.2	4.7%	All parcels available	05/23/15	12/31/15	32
Current Estimate includes Er	nvironmental/Pla	nning and Fina	nce Costs.	Construction - Main De	sign / Build C	ontract	
AREAS OF CONCERN				Notice to Proceed	09/25/14	10/30/14	5
				Construction complete	07/25/23	08/29/23	5
	T						
ROW ACQUISITION	PLAN	ACQUIRED	REMAINING	CRITICAL ACTIVITIES /			d 0 manage for books.
PERMANENT PARCELS	17	0	17	 C1034 Exploratory Shaft: Continue monitoring period & prepare for backfill CES: Complete advanced utility relocations at La Brea C1045 Design / Build Contract Award & NTP Fairfax: Fiber optics, C1055 construction of water & power relocation C1056 La Cienega Advanced Utility Relocations issue award and NTP C1078 Div 20 MOW & NRV facilities: Issue for Bid planned 08/29/14 			
TEMPORARY PARCELS	1	0	1				
			18				

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 design team continues to support Metro during the monitoring stage of the exploratory shaft and design support to the three advanced utility relocation (AUR) contracts.

For the Wilshire/Fairfax Exploratory Shaft Contract (C1034), the team worked with Metro on the backfilling procedures.

For the Wilshire/La Brea AUR Contract (C1048) and the Wilshire/Fairfax AUR Contract (C1055), the team continues to support Metro in responding to Request for Information (RFI's) and submittals.

For the Wilshire/La Cienega Station AUR Contract (C1056), the team assisted Metro in coordinating with the City of Beverly Hills for the layout of the AT&T conduits and SCG designs.

Major Contract Procurement

The recommendation to award the C1045 contract was presented at the July 2014 Metro Board Meeting. The Board of Directors approved staff's recommendation to award to Skanska, Traylor and Shea, a joint venture (STS) and authorized the Chief Executive Officer (CEO) to award the 107 month firm fixed price contract, subject to the resolution of any timely protests. Two protests were received on July 22, 2014.

The Wilshire/La Cienega AUR Contract (C1056) was advertised for bid on February 28, 2014. Price bids were received on May 21, 2014. Contract award is expected in August 2014 with a Notice to Proceed (NTP) in September 2014.

The Division 20 Maintenance-of-Way Building (MOW) and the Non-Revenue Vehicle (NRV) Facility Contract (C1078) is planned to be Issued for Bids (IFB) in late August 2014.

PROJECT OVERVIEW & STATUS (Continued)

Construction

New applications for the continuation of nighttime noise variances at the Wilshire/Crenshaw and the Wilshire/Detroit laydown yards, plus for pile installation at the Wilshire/La Brea Station were submitted on June 3, 2014. The Los Angeles Police Department informed Metro that nighttime noise variances will not be required at the two laydown yards, since no actual construction will be performed in those areas. Metro received approval on July 11, 2014 for the Wilshire/La Brea Station.

A nighttime noise variance application was submitted on June 19, 2014 for the Wilshire/La Cienega AUR contract for the area east of San Vicente Boulevard (City of Los Angeles). Metro received approval on July 3, 2014.

The monitoring/observation period is continuing at the Wilshire/Fairfax Exploratory Shaft Contract (C1034). Demolition and backfill is to start in early October 2014 with contract completion in November 2014.

The advanced utility relocations at Wilshire/La Brea Contract (C1048) are anticipated to be completed in October 2014. LADWP power cable pulling work in the Wilshire/La Brea Station area is expected to be completed in November 2014.

CES has completed the trenching and conduit installation for fiber optic relocations at the Wilshire/Fairfax Station area. The fiber optic companies have begun their work which is expected to be completed in September 2014.

CES is continuing the relocation of fiber optic cables at the Wilshire/La Brea and Wilshire/La Cienega Station areas. AT&T plans to begin their work at the Wilshire/Brea Station area in early September 2014 and complete by late October 2014. For the Wilshire/La Cienega Station area, the fiber optic companies plan to begin their work in August 2014 and complete the work in September 2014.

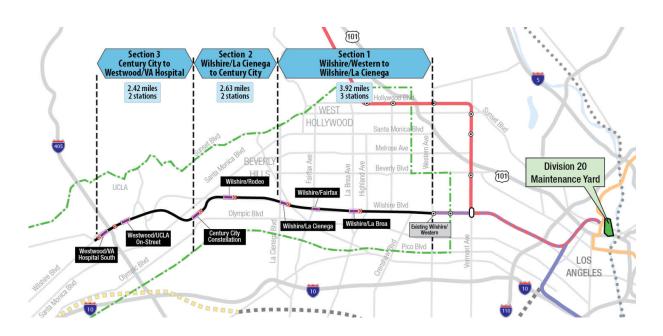
The Wilshire/Fairfax AUR (C1055) contractor is processing submittals and has mobilized to the construction site and has begun construction.

Metro staff has been negotiating with the City of Beverly Hills on the terms and conditions of the Memorandum of Agreement (MOA) for the AUR phase of work. The Beverly Hills City Council is to consider approval of the MOA on August 19, 2014 at their Council meeting.

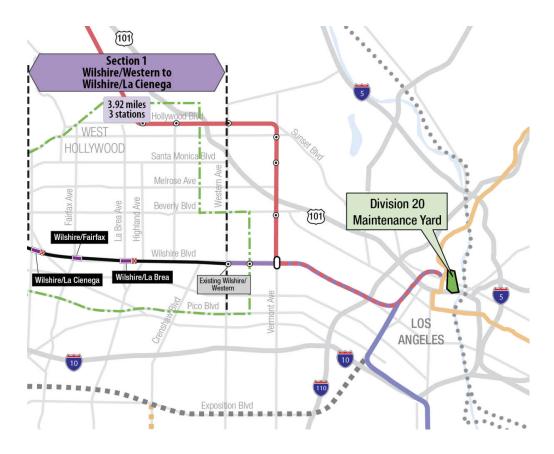
MANAGEMENT ISSUES

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.

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.

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 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.

Contract C1048 - Wilshire/La Brea Advanced Utility Relocations

Relocate existing LADWP power, water utilities and a sewer line within the construction limits of the Wilshire/La Brea 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

BASE PROJECT SCOPE (Continued)

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.

<u>Contract C1055 – Wilshire/Fairfax Advanced Utility Relocations</u>

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> 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 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 Building and Non-Revenue Vehicle Facility</u>

The Design/Build contract provides for final design and construction of a new maintenance-of-way (MOW) stores building and a non-revenue vehicle (NRV) facility at the south end of the existing Division 20 Yard. 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 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.

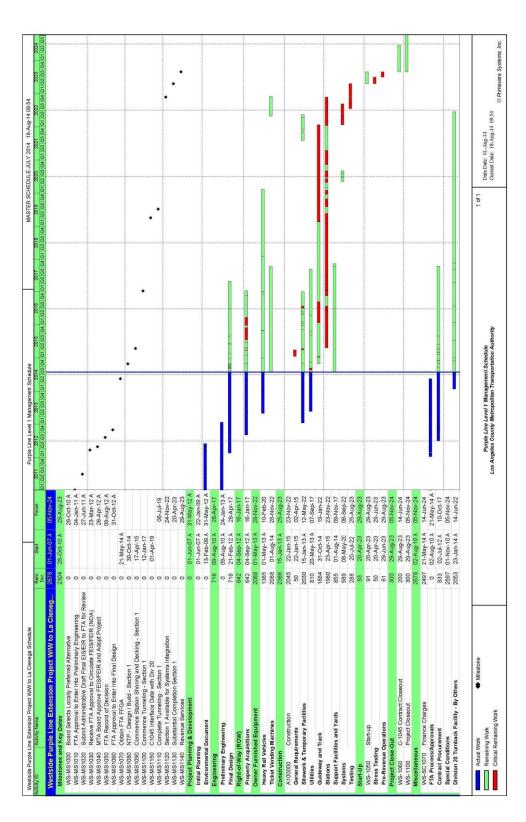
Start Up

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	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14
Complete Final Design of AUR Utilities - La Cienega	07/08/14	Δ					
C1078 Division 20 Design / Build Contract - Issue IFB	08/29/14		•				
C1056 La Cienega AUR - Award	08/21/14		•				
C1056 La Cienega AUR - NTP	09/12/14			•			
C1045 Design / Build Contract Award	09/04/14			8			
C1048 La Brea AUR - Complete Construction - Water	10/09/14						
C1056 La Cienega Mobilization	10/14/14						
C1045 Design / Build Contract - NTP	10/30/14				•		
C1045 Design/Build Engineering Mobilization	10/31/14						
C1034 Exploritory Shaft Project Complete	11/15/14						
C1078 Building 61S Receive Bids	12/10/14						•
◆ MTA Staff	FTA (Federa PB New	al					

PROJECT SUMMARY SCHEDULE

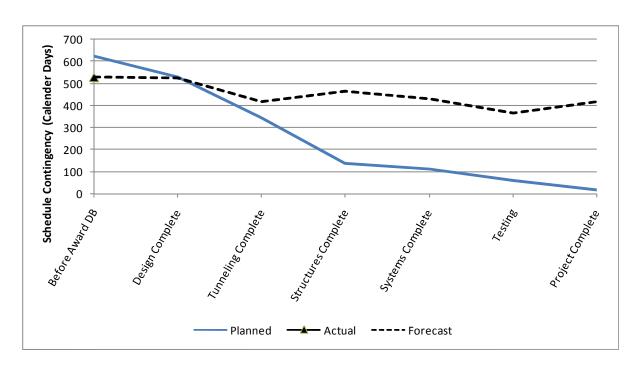


CRITICAL PATH NARRATIVE

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 final design for station boxes and tunnels. Final design is concurrent with the La Brea advanced utilities that are being relocated under the C1048 contract and by third parties. Upon completion of utility relocations, the contractor begins installation of soldier piles, first on the north side of the 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 an August 29, 2023 revenue service date.

Westside Purple Line Extension Section 1 Project Monthly Project Status Report

PROJECT COST STATUS

SCC	DECORIDATION	ORIGINAL	CURRENT	BUDGET	COMMITMENTS		EXPENDITURES		CURRENT FORECAST		BUDGET / FORECAST
CODE	DESCRIPTION	BUDGET	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	VARIANCE
10	GUIDEWAY & TRACK ELEMENTS	388,294	(176,786)	388,294	-	3,785	-	-	(176,786)	388,294	
20	STATIONS, STOPS, TERMINALS, INTERMODAL	440,621	(129,430)	440,621	-	958	-	-	(129,430)	440,621	
30	SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS	43,323	4,237	43,323	-	3,881	-	-	4,237	43,323	
40	SITEWORK & SPECIAL CONDITIONS	751,566	611,746	751,566	475	38,194	4,387	16,472	611,746	751,566	
50	SYSTEMS	113,574	(10,005)	113,574	-	-		-	(10,005)	113,574	
	CONSTRUCTION SUBTOTAL (10-50)	1,737,378	299,762	1,737,378	475	46,819	4,387	16,472	299,762	1,737,378	
60	ROW, LAND, EXISTING IMPROVEMENTS	175,634	(36,840)	175,634		119,010	2,327	4,803	(36,840)	175,634	
70	VEHICLES	160,196	-	160,196	-	-	-	-	-	160,196	
80	PROFESSIONAL SERVICES	412,710	2,368	412,710	505	119,471	5,201	86,782	2,368	412,710	
	SUBTOTAL (10-80)	2,485,918	265,290	2,485,918	980	285,300	11,914	108,057	265,290	2,485,918	
90	UNALLOCATED CONTINGENCY	248,592	22,733	248,592	-	4,238	-	-	22,733	248,592	
100	FINANCE CHARGES	375,470	-	375,470	-	-	-	-	-	375,470	
	TOTAL PROJECTS 465518 & 865518 (10-100)	3,109,980	288,023	3,109,980	980	289,539	11,914	108,057	288,023	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	173	30,649	-	30,865	
	TOTAL PROJECTS 405518 & 465518 (ENV / PLAN'G)	39,370		39,370		39,370	173	39,154	•	39,370	
	TOTAL PROJECTS 405518, 465518 & 865518	3,149,350	288,023	3,149,350	980	328.908	12.088	147,211	288.023	3.149.350	

NOTE: EXPENDITURES ARE CUMULATIVE THROUGH JUNE 2014

PROJECT COST ANALYSIS

Original Budget, Current Budget and Current Forecast

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

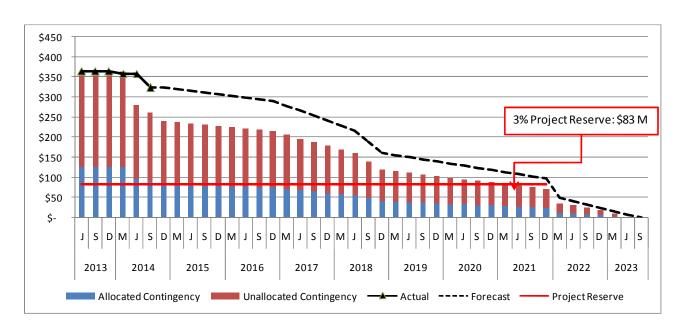
Commitments

The Commitments increased by \$1.0 million due to executed modifications associated with the Advanced Utility Relocations for Contracts C1048 and C1055, and Project Management Assistance with cost estimating through FY-15. The \$328.9 million in Commitments to date represents 10.4% of the Current Budget.

Expenditures

The expenditures are cumulative through June 2014. The expenditures increased by \$12.1 million this period primarily for costs associated with the Environmental Compliance Services, Real Estate Acquisitions, Legal Services, Master Cooperative Agreement with the City of LA, Engineering Management Services, Construction Management Support Services, and Metro Project Administration. The \$147.2 million in Expenditures to date represents 4.7% of the Current Budget.

PROJECT COST CONTINGENCY DRAWDOWN



PROJECT COST CONTINGENCY DRAWDOWN ANALYSIS

The current budget of \$2.8 billion, excluding finance charges, for the project includes an unallocated contingency amount of \$248.6 million. Also included within the current budget is an allocated contingency of \$75.0 million which is allocated, where applicable, to specific contracts within each Standard Cost Category (SCC) item. The allocated contingency is an amount to cover anticipated but unknown contract modifications issued by Metro. The total project cost contingency is \$323.6 million or 11.7% of total project cost.

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 an August 29, 2023 revenue service date.

FINANCIAL/GRANT STATUS

JULY 2014		STATU	S OF FUNDS B	Y SOURCE					
SOURCE	(A) ORIGINAL BUDGET	(B) TOTAL FUNDS ANTICIPATED	(C) TOTAL FUNDS AVAILABLE	(D) COMMIT	(D/B) MENTS %	(E) EXPEN \$	(E/B) DITURES	(F) BILLED TO SOURC	
		ANTICIPATED	AVAILABLE	Ψ	70	Ψ	76	Ψ	70
FEDERAL SECTION 5309 NEW STARTS	\$1,250.000	\$1,250.000	\$65.000	\$65.000	5%	\$44.383	4%	\$44.383	4%
FEDERAL CMAQ	\$12.171	\$12.171	\$0.000	\$0.000	0%	\$0.000	0%	\$0.000	0%
FEDERAL SECT. 5339 ALT. 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	\$195.897	23%	\$48.850	6%	\$42.007	5%
STATE STIP RIP	\$2.568	\$2.568	\$2.568	\$2.568	100%	\$2.568	100%	\$2.568	100%
STATE CAPITAL PROJ LOANS - OTHERS*	\$83.648	\$83.648	\$64.931	\$64.931	78%	\$50.898	61%	\$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	\$388.115	\$328.908	10.4%	\$147.211	4.7%	\$140.368	4.5%

NOTE: EXPENDITURES ARE CUMULATIVE THROUGH JUNE 2014

STATUS OF FUNDS ANTICIPATED

FEDERAL SECTION 5309 NEW STARTS: FTA grant application of \$65 million was awarded on June 2, 2014. Funds are available for drawdown.

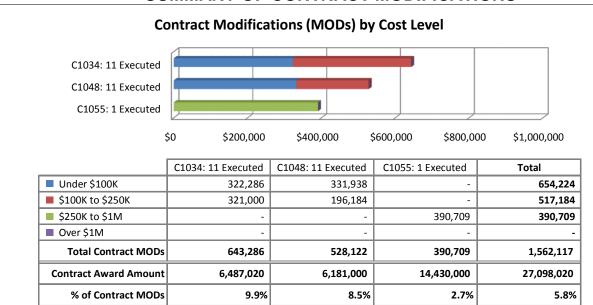
FEDERAL SECTION 5309 ALTERNATIVE ANALYSIS: FTA grant application of \$0.5 million was awarded on July 25, 2014. Funds are available for drawdown.

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.

ORIGINAL BUDGET BASED ON JULY 2014 BOARD APPROVED LOP BUDGET.
*OTHERS INCLUDE TDA ADMINISTRATION (\$4.1M), LTF GENERAL REVENUES (\$1.8M), AND LEASE REVENUES (\$37.8M).

SUMMARY OF CONTRACT MODIFICATIONS



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

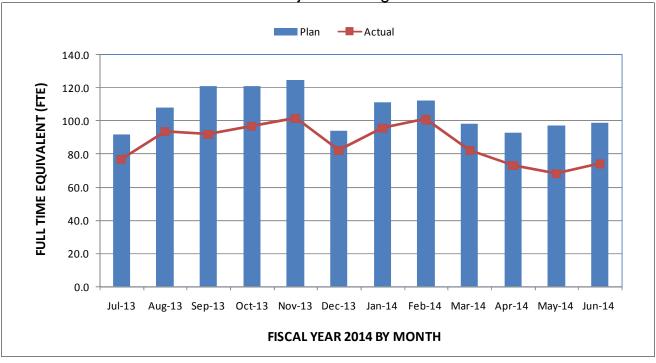
Eleven Contract MODs with a total value of \$0.6 million have been executed since the award of Contract C1034 – Exploratory Shaft Construction by Innovative Construction Solutions (ICS).

Eleven Contract MODs with a total value of \$0.5 million have been executed since the award of Contract C1048 – Advanced Utility Relocations at Wilshire/La Brea by Metro Builders & Engineering Group, LTD.

One Contract MOD with a value of \$0.4 million has been executed since the award of Contract C1055 - Advanced Utility Relocations at Wilshire/Fairfax by W. A. Rasic Construction Company, Inc.

STAFFING STATUS

Total Project Staffing - FTES

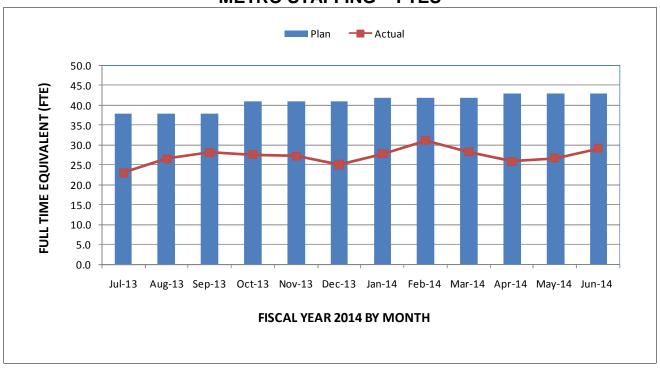


TOTAL PROJECT STAFFING

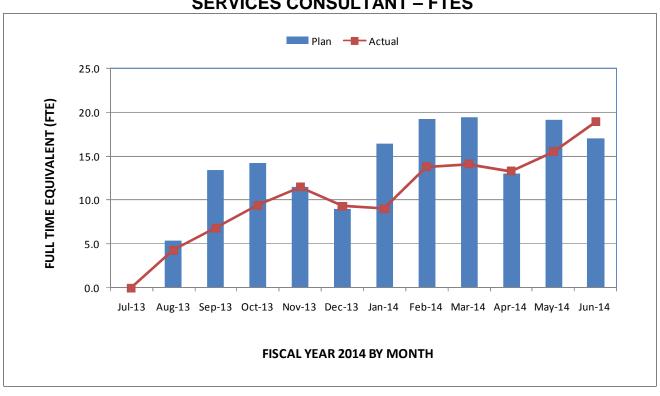
The overall FY14 Total Project Staffing plan averages 106.1 FTEs per month.

For June 2014, there were a total of 29.1 FTEs for MTA's Project Administration staff and 44.9 FTEs for consulting staff. The total project staffing for June 2014 was 74.0 FTEs.

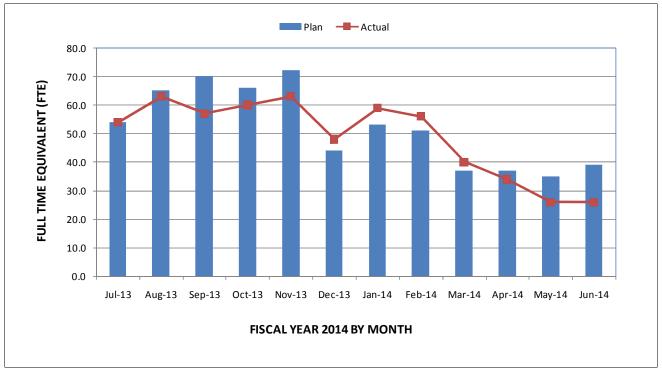
STAFFING STATUS (Continued) METRO STAFFING – FTES



CONSTRUCTION MANAGEMENT SERVICES CONSULTANT – FTES



STAFFING STATUS (Continued) ENGINEERING MANAGEMENT SERVICES CONSULTANT – FTES



REAL ESTATE STATUS

	Purple Line Extension Section 1 - Real Estate Status Summary								
	Number		Appraisals In Process/	Offers	Agreements	Condemnation	Relocations		Parcels
Description	of Parcels	Certified	Completed	Made	Signed	Filed	Required	Completed	Available
Full Takes	15	15	15	15	1	2	109	14	0
Part Takes	2	2	2	2	0	2	0	0	0
TCE	1	1	1	1	0	0	0	0	0
Total Parcels	18	18	18	18	1	4	109	14	0

QUALITY ASSURANCE STATUS

C1034 Exploratory Shaft

 Attended readiness review meeting with Metro, ICS and Cellcrete to discuss the shaft backfill operation.

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

- Attended bi-weekly Project staff meetings and pre-construction meetings.
- Ongoing discussions with the Project staff to plan for CMSS coordination and oversight.
- Reviewed and revised procedures for CMSS site inspection.

C1048 - Advanced Utility Relocations - Wilshire/La Brea

- Attended weekly Project meetings with the Contractor.
- Coordination with CMSS Inspector. Reviewed daily inspection reports from the Contractor/Field Technician.
- Reviewed and provided comments on submittals.
- Reviewed and closed Metro issued Corrective Action Request (CAR).

C1055 – Advanced Utility Relocations – Wilshire /Fairfax

- Attended-weekly Project meetings with the Contractor.
- Reviewed and provided comments on submittals, including CWPs.
- Reviewed and approved Contractor's Project Quality Manager.

ENVIRONMENTAL STATUS

- AQMD Air Scrubber and Rule 1116 permit are closed. Wastewater discharge permit remains open until remaining wastewaters in the holding tank onsite are disposed.
- Noise and VOC monitoring in support of AUR Contracts and basic oversight on SWPPP requirements. Currently working on Wilshire/Fairfax submittals.
- Continued to finalize the Baseline Ambient Noise Report. Waiting on comments from City of Beverly Hills staff.
- Attended weekly progress meetings for Wilshire/Fairfax and Wilshire/La Brea AUR contracts.
- Finalized the Odor Study document and OSHA documents.
- Provided ongoing Noise Awareness Training.
- Prepared a supplemental tree removal plan for City of Beverly Hills, City of Los Angeles and tree relocation outreach effort with an arborist.
- Worked on 5th Quarter MMRP's updates.
- Continued meetings on the MOW/NRV location 61S Building regarding RFP and projected remediation costs for the 590 S. Santa Fe Avenue property. Waiting on owner to provide feedback from DTSC on path forward.
- Completed the ambient noise assessment report for 5115 and 5200 Wilshire Blvd. locations.

CONSTRUCTION RELATIONS STATUS

- Attended the following meetings: Pre-Construction, Construction Management, Advanced Utility Relocation, Exploratory Shaft, Construction Relations, Pre-Construction Survey and Marketing.
- Produced and distributed fourteen work notices for advance utility relocations.
- Initiated outreach meeting for the Wilshire/Western TBM retrieval shaft with Korea Town businessmen and community activists and coordinated the second meeting with the Miracle Mile Median Advisory Group.
- Gave Project Presentations for LAPD Wilshire Division, Council President Wesson's Office, Korean American Coalition, Greater Wilshire Neighborhood Council and Park La Brea.
- Visited and updated over 150 businesses and residences at future station locations to discuss utility relocations, business profiles and project area discounts.
- Fielded and addressed nighttime noise at Wilshire/Crenshaw Yard and Wilshire/La
 Brea, questions regarding pre-construction surveys, nighttime noise permits issued by
 Police Commission, questions regarding contractor recommendation and Board action,
 questions concerning the Wilshire BRT Project.
- Updated Facebook/Twitter website as needed.

CREATIVE SERVICES STATUS

- Continue to support mitigation efforts.
- Established broad pregualified Artist pool.
- Reviewed design-build submittals.

SAFETY & SECURITY STATUS

- There were no recordable injuries on the Project during July 2014.
- Safety staff participated in scheduled readiness review meetings to ensure compliance with approved Work Plans and contract specifications.
- Construction activities (Advance Utility Relocations and Exploratory Shaft) continue to be monitored during both day and night work shifts to ensure contractor compliance with contract specifications.
- Safety staff monitored and provided Licensed Underground Safety Representative and Gas Tester coverage for engineering staff testing operations.
- Safety staff attended weekly progress meetings and other project meetings to evaluate Contractors Safety Program compliance with contract requirements.
- Construction Safety staff continue to work with Program Management and Construction Relations staff to monitor issues related to public concerns regarding noise and traffic hazards as well as public interactions with the construction crews.
- Safety staff completed work with Procurement and Program Management staff to prepare documents for upcoming maintenance facility design contract packages.
- Metro Construction Safety staff is providing Safety & Security Contract Compliance oversight during both day and night shifts.
- Work Hour and Injury statistics are reported with a one month lag.
- June Contractor Work Hours (Design & Construction): 4,452
- Contractor Project to Date Work Hours (Design & Construction through 6/30/2014): 57,110
- Total Project to Date Work Hours (Contractor & the IPO Staff through 6/30/2014): 101,546
- Project to Date Recordable Injury Rate: 0.8 (Zero Recordable Injuries). Each rate is per 200,000 work hours.
- Project to Date Total Time Away Injury Rate: 0.0 (Zero Time Away From Work Injuries).
- Project to Date Total Days Away Rate: 0.0 (Zero Days Away From Work).

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)	MOA (La Cienega only)	9/14	9/14	City of Beverly Hills City Council to consider approval of MOA at their August 19, 2014 council meeting.
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. Metro has provided comments to Qwest on the revised agreement. Awaiting Level 3 response to accept and honor an existing agreement in lieu of a new MCA. Metro has provided comments to Time Warner/Comcast on the revised agreement. Metro is awaiting their response. Metro's proposed MOU is being reviewed by SCE. In absence of an agreement, work is being performed by work orders.

ADVANCED UTILITY RELOCATION STATUS

- C1048 AUR for Wilshire/La Brea Station to be completed in October 2014.
- CES began in June 2014 AT&T relocations at the Wilshire/La Brea Station.
- The C1055 AUR contractor for Wilshire/Fairfax Station began construction in June 2014.
- CES is continuing fiber relocations at the Wilshire/Fairfax Station and the Wilshire/La Cienega Station areas.
- LADWP Power continued cable pulling at the Wilshire/La Brea Station site; anticipated completion is November 2014.
- The City of Beverly Hills City Council will considered approval of the C1056 AUR work permit at their August 19, 2014 council meeting.

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 Exemption and Night Time Work 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 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.
- The Peak Hour Exemptions for Wilshire/Fairfax and Wilshire/Western pile installations were approved by the City of Los Angeles on May 12, 2014.
- The Nighttime Noise Variance for the Wilshire/La Brea and Wilshire/Fairfax Advanced Utility Relocation work was extended to October 17, 2014 by the Los Angeles Police Commission.
- New applications for the continuation of Nighttime Noise Variances at the Wilshire/Crenshaw and Wilshire/Detroit laydown yards, plus for pile installation at Wilshire/La Brea Station were submitted to the City of Los Angeles on June 3, 2014. The Los Angeles Police Department informed Metro that nighttime noise variances will not be required at the two laydown yards, since no actual construction will be performed in those areas. Metro received approval on July 11, 2014 for the Wilshire/La Brea Station.
- A nighttime noise variance application was submitted on June 19, 2014 for the Wilshire/La Cienega AUR contract for the area east of San Vicente Boulevard (City of Los Angeles). Metro received approval on July 3, 2014.
- A new Nighttime Noise Variance application for pile installations at the Wilshire/Fairfax Station area will be submitted in late 2014.

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

CONTRACT C1034 STATUS

Description: Exploratory Shaft Contractor: Innovative Construction Solutions (ICS)	Contract No. Status as of:		t 1, 201	4				
Progress / Work Completed:	Major Activities (In Progress):							
- 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 - Shaft excavation to 15' depth: 10/18/13 - Shaft excavation to 20' depth: 11/01/13 - Shaft excavation to 32' depth: 11/30/13 - Shaft excavation to 44' depth: 12/27/13 - Shaft excavation to 58' depth: 01/31/14 - Shaft excavation to 66' depth: 02/28/14 - Shaft excavation to bottom of pit: 03/28/14 - Monitoring period began: 04/01/14 Areas of Concern: None	Major Activiti Monitoring period	ies Nexi	: Period	l:				
Schedule Summary:		Original Contract Dates	Time Extension	Current Contract	Forecast	Variance CDs		
Date of Award: 11/26/12 Notice to Proceed: 01/15/13	Notice to Proceed	01/15/13	0	01/15/13	01/15/13	0		
Original Contract Duration: 669 CD Current Contract Duration: 699 CD	Milestone 1: Shaft Completion	02/14/14	16	03/07/14	03/28/14	-21		
Elapsed Time from NTP: 563 CD	Milestone 2: Substantial Completion	11/15/14	0	11/15/14	11/15/14	0		
Physical Percent Complete: Physical completion: 80%*	Cost Summai 1. Award Value: 2. Executed Modif	ications:		\$ I	n millio 6.5 0.6			
* Note: Physical completion assessment reflects work completed and work in progress.	3. Approved Change Orders:4. Current Contract Value (1+2+3):5. Incurred Cost:				0.0 7.1 6.0			

CONTRACT C1048 STATUS

Description: AUR - Wilshire/La Brea Contractor: Metro Builders & Engineers Group, Ltd.	Contract No. C1048 Status as of: August 1 2014							
Progress / Work Completed:	Major Activities (In Progress):							
- Vault #677 backfill completed - Vault #677 venting installation continues - Waterline La Brea North of Wilshire continues - Waterline Intersection Sycamore La Brea continues	At various locations throughout La Brea Station area: - Traffic control - Waterline relocation - Pavement Restoration							
Areas of Concern: None	Major Activities Next Period: At various locations throughout La Brea Station area: - Traffic control - Waterline & Hydrant work in Wilshire/La Brea Area - Site restoration							
Schedule Summary:	Original Contract Dates Time Current Forecast CDs							
Date of Award: 05/13/13	Notice to Proceed 08/01/13 0 08/01/13 08/01/13 0							
Notice to Proceed: 08/01/13 Original Contract Duration: 230 CD Current Contract Duration: 434 CD	Milestone 1: Completion of LADWP 12/28/13 0 12/28/13 05/22/14 -145 Power Work							
Elapsed Time from NTP: 366 CD	Milestone 2: 03/18/13 150 08/15/14 10/09/14 -55							
Physical Percent Complete: Physical completion: 85%*	Cost Summary: \$ In millions 1. Award Value: 6.2 2. Executed Modifications: 0.5							
* Note: Physical completion assessment reflects work completed and work in progress.	3. Approved Change Orders: 0.0 4. Current Contract Value (1+2+3): 6.7 5. Incurred Cost: 5.3							

Westside Purple Line Extension Section 1 Project Monthly Project Status Report

CONTRACT C1055 STATUS

Description: Fairfax AUR Contractor: W.A. RASIC Construction Company, Inc.		Contract No. C1055 Status as of: August 1, 2014					
Progress / Work Completed:	Major Activiti	Major Activities (In Progress):					
- Submittal process continues - Material procurement process continues - Project Baseline Schedule approved - Pot hole exploration contnues - Ductbank at Orange Grove began - Soundwall at yard installation began	- Submittal process - Material procurement - Acquisitions of traffic control & permits - Pot hole exploration - Soundwall installation - Duct bank at Orange Grove						
Areas of Concern: None	Major Activities Next Period: - Duct bank Orange Grove - Material fabrication & delivery - Layout of waterline Wilshire/La Brea - Layout of Electrical Wilshire/Fairfax - Duct Bank at Fairfax intersection						
Schedule Summary: Date of Award: 04/22/14 Notice to Proceed: 05/01/14 Original Contract Duration: 535 CD Current Contract Duration: 535 CD Elapsed Time from NTP: 93 CD		Original Contract Dates	Time Extension	Current Contract	Forecast	Variance CDs	
	Notice to Proceed	05/01/14	0	05/01/14	05/01/14	0	
	Milestone 1: Water @ La Brea	08/29/14	0	08/29/14	08/29/14	0	
	Milestone 2: Power @ Fairfax	07/25/15	0	07/25/15	07/25/15	0	
	Milestone 3: Substantial Completion	10/18/15	0	10/18/14	10/18/14	0	
Physical Percent Complete:	Award Value:	Cost Summary: 1. Award Value:			\$ In millions		
Physical completion: 5%* * Note: Physical completion assessment reflects work completed and work in progress.	3. Approved Chan	 Executed Modifications: Approved Change Orders: Current Contract Value (1+2+3): Incurred Cost: 				0.4 0.0 14.8 0.6	

CONSTRUCTION PHOTOGRAPHS



LADWP Inspecting Work of C1055 Contractor on Orange Grove Avenue in the City of Los Angeles

CONSTRUCTION PHOTOGRAPHS



CES AUR Work Being Performed in the City of Beverly Hills

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

ED///050

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