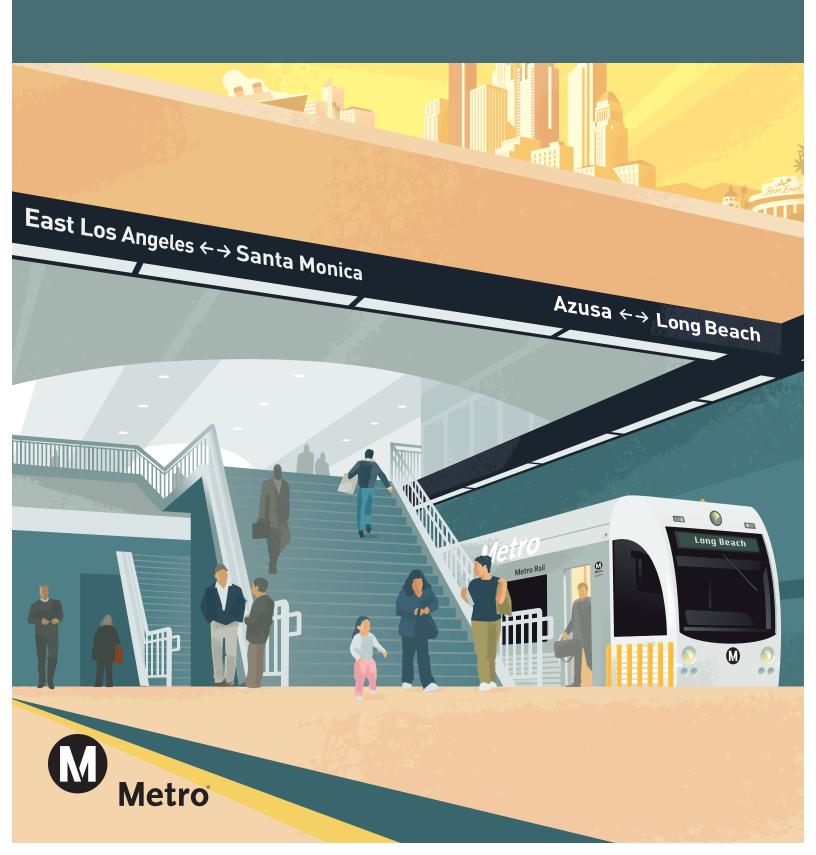
Regional Connector Transit Corridor



REGIONAL CONNECTOR TRANSIT CORRIDOR PROJECT

QUARTERLY PROJECT STATUS REPORT

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

JUNE 2016

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PROJECT SUMMARY

As of June 2016

LOCATION:		Dow ntow n Lo	os Angeles		CONSTRUCTION MANA	GEMENT CON	SULTANT: AF	RCADIS			
DESIGN CONSULTANT:		Connector Pa	rtnership JV		CONTRACTOR: Regional Connector Constructors, Joint Venture						
Excav	vation Comp	olete at 1st/C	entral Statio	n	WORK/ACTIVITY DURING PAST MONTH						
			 36" w ater line replacement at 1st/Alameda continued Pile installation at 1st/Alameda intersection continued Permeation grouting along 2nd St. continued Compensation grouting preparations along 2nd St. continued TBM shaft excavation and SOE at Mangrove Y and on the 2nd lift continued Water relocations along Flow er Street continued Potholing and advanced conceptual design of DWP Pow er assets around 6th/Flow er intersection continued Station box excavation and SOE continued at 2nd/Hope Station Pile installation at 2nd/Broadw ay initiated Bectrical and communication duct bank installation at 2nd/Broadw ay continued Relocation/protection of pow er and communication assets in 2nd/Broadw ay Station area Reconfiguration of traffic along Flow er St. in support of Westside pile operations 								
EXPENDITURE STATUS (\$ In Millions)					SCHEDULE ASSESSMEN	νT					
		CURRENT BUDGET	EXPENDED AMOUNT	PERCENT	MAJOR SCHEDULE ACTIVITIES	PRIOR PERIOD	CURRENT PLAN	VARIANCE WEEKS			
DESIGN		\$130.7	\$114.9	88.0%	Environmental FEIS / FEIR SEIS Flow er St.	N/A N/A	04/26/12	Complete Complete			
RIGHT-OF-WAY		\$110.5	\$68.8	62.3%	Design PE Notice to Proceed	N/A	01/04/11	Complete			
CONSTRUCTION		\$1,079.8	\$307.8	28.5%	Final Design complete	11/20/16	12/30/16	6 or end of November 2016. No adverse			
other		\$278.4	\$89.3	32.1%	impact to the overall sche Right-of-Way	edule is anticipa	ated from these	design delays.			
TOTAL Current Budget reflects Bu includes Finance Charges Note: Expended amount is			\$580.8 ect Budget and	36.3%		n August 2018		0 Contractor's coordinated need Dates.			
					Notice to Proceed	07/07/14	07/07/14	Complete			
 AREAS OF CONCERN Schedule mitigation me 	acuros aro b	oina implomon	tod across the		Construction complete	04/10/21	04/17/21	0			
alignment to address co utility relocations. Major coordinated with LADO	ontinuing and street and in T, LABOE, ar	new delays pl tersection closed d Council Dist	recipitated by sures are being rict 14 to		Revenue Service Date 6/30/21* 06/30/21 0 Note : * The project is reflecting an approximate five-month delay to the RSD due to differing s conditions related to underground utilities. 0						
 facilitate construction p and RCC are coordinatii on utility design and rek Alameda and 2nd Stree locations. Schedule recovery ma flexibility is minimal; opp review ed. Delays and reduced pro experienced; w ork hou Methods of supporting are being investigated to schedule impacts. 	ng with DWP ocation issues its to advance asures not w iortunities for oductivity alou r and access the existing E	and third party s along Flow e e construction ithstanding, sc improvement of ng Flow er St. constraints an WP vaults and	v utility ow ners r, Broadway, fronts at these chedule float ar continue to be continue to be re driving caus d duct banks at	e nd ses. t 6th/Flow er	CRITICAL ACTIVITIES / 3 MONTH LOOK AHEAD • 100% design packages for all three stations, bored tunnel, SEM cavern and systems; review of the related AFCs • Replace 36" w ater line at 1st/Alameda • Excavation for Wye • SOE and Wye excavation at 1st/Central; expected completion mid-August 2016 • 2nd/Spring LADWP Water relocation • Pile installation on w est side of Flow er St. • Decking installation on Flow er, north of 5th St. • Secure Sunday w ork variance for Flow er St operations • Resolve Fire Life Safety (FLS) issues including emergency ventilation design and egress						
ROW ACQUISITION	PLAN	CERTIFIED	ACQUIRED	REMAINING	 Reconcile schedule at 	na costs for re	covery measur	es			
PERMANENT PARCELS	5	5	4	1*							
	29	16	14	2*							
TOTAL PARCELS * Remaining parcels are so	34 cheduled in-a	21 dvance of nee	18 ed dates.	3							

PROJECT OVERVIEW & STATUS

The Regional Connector Transit Corridor Project (Project) will link the current terminus of the Blue and Expo Lines at 7th/Metro Center to the Gold Line near the Little Tokyo/Arts District Station in a new underground alignment along Flower Street and Second Street in Downtown Los Angeles. The Project is scheduled to become operational in two phases: one to tie into the existing Eastside Gold Line along 1st Street; and subsequently to the existing Gold Line to Pasadena along Alameda Street toward Union Station. Revenue Service Date (RSD) is forecasted for June 2021(FFGA planned RSD is May 2021).

The alignment will extend underground from the 7th Street/Metro Center Station under Flower Street to 2nd Street. It will then proceed east underneath the 2nd Street tunnel to just west of Central Avenue where the alignment will veer northeast under privately-held property, Japanese Village Plaza. At 1st Street and Central, the tracks continue underground heading northeast under 1st and Alameda Streets. A junction ("Wye") will be constructed beneath the 1st and Alameda intersection. To the north and east of the junction, trains will rise to the surface through two new portals to connect to the Metro Gold Line heading north to Pasadena and east to Atlantic Boulevard. One portal will be located northeast of the Little Tokyo/Arts District Station and tracks. This portal will rise to the north within the City of LA DWP Maintenance Yard and connect to the existing LRT bridge over the US-101 freeway, allowing a connection to the Metro Gold Line to Pasadena. The portal will be connected to the 1st and Alameda junction by a new cut and cover box structure crossing beneath Temple Street and the parcel on the northeast corner of 1st and Alameda Streets, running immediately east of the existing Little Tokyo/Arts District Station and tracks. The second portal will be located within 1st Street between Alameda and Vignes Streets. Tracks will rise to the east within this second portal and connect at-grade to the existing Metro Gold Line tracks toward Atlantic Boulevard.

Major Contract Procurement

The Board authorized to solicit a major Design/Build (D/B) contract, C0980, in August 2011. Metro staff recommended to award contract C0980 to the Regional Connector Constructors (RCC), a joint venture of Skanska USA Civil West California District, Inc. and Traylor Brothers, Inc. and Metro Board authorized award of the contract on April 24, 2014 in the amount of \$927,226,995; Notice to Proceed (NTP) to Design Builder, Regional Connector Constructors, issued July 7, 2014. Solicitation of an Advanced Utility Relocations Contract, C0981R, completed February 2014 after Metro's Procurement team awarded the contract to Pulice Construction, Inc. in January 2014 and issued NTP on February 18, 2014. Contract C0981R was terminated for convenience on April 14, 2015 and remaining AUR work has been transferred to C0980, D/B contractor.

PROJECT OVERVIEW & STATUS (Cont.)

Construction

Excavation and related structural support remained the prominent work activities throughout the alignment with said action seen at the Mangrove Yard, "Wye", guideways along 1st and Flower Streets, as well as the 2nd/Hope and 1st/Central Stations. Offsite tunnel liner castings also advanced to 78% along with continuing mobilization efforts related to the TBM. Placement of settlement monitoring instrumentation continued at Japanese Village Plaza in Little Tokyo and along 2nd Street adjacent to the large LA County Flood Storm Drain. Water relocations continued along the south end of Flower Street as did power relocation and protection efforts around the 2nd/Broadway Station area.

<u>Systems</u>

The existing functional operations at the Rail Operations Center (ROC) necessitate an expansion to accommodate the central control functions associated with five new rail lines and extensions including the Regional Connector Transit Corridor Project. Design for the ROC Reconfiguration Project was completed to reconfigure the second floor to prepare for Expo II and Foothill Rail Line extensions, and the design will be further updated with each successive integration of the Crenshaw/LAX, Regional Connector and Purple Line projects.

Light Rail Vehicle

Four Light Rail Vehicles (LRVs) for the Project will be procured and delivered by Kinkisharyo International, LLC under Contract P3010. The base contract includes 235 LRVs and options which will add up to 157 LRVs to the total. The four LRVs for the Regional Connector Project are currently in Option 2 of the P3010 Contract. Manufacturer continued performing qualification and post shipment tests on prototype cars 1 and 2 at LACMTA's Green Line shop.

Program Management

The current budget was established in the December 2015 session of the Metro Board. The Board revised the Life-of-Project (LOP) budget of \$1.559 billion (this includes Finance Charges) for the RCTC Project No. 860228 and maintained the LOP budget of \$39,991,168 for RCTC Project No. 861228 for Concurrent Non-FFGA Project activities.

Funding for the project comes from a variety of sources to include Federal New Starts, TIFIA Loan, State repayment of capital project loan, State Proposition 1B, State proposition 1A (High Speed Rail), local agency and lease revenues, and from the Congestion Mitigation and Air Quality Improvement Program. The bulk of the funding - 43% - comes from Federal New Starts.

PROJECT OVERVIEW & STATUS (Cont.)

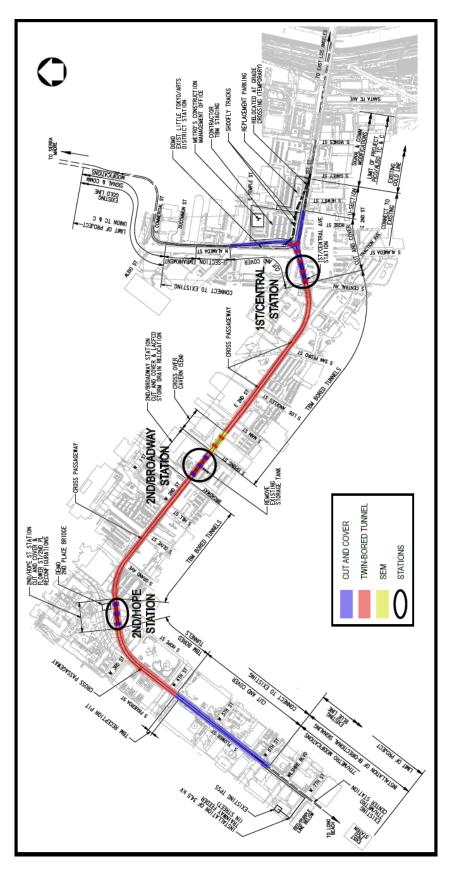
Project commitments through June 2016 increased by \$15.54 million to \$1.34 billion or 86.08% of the Current Budget. The increase is due to modifications for RCC and Light Rail Vehicles. Project expenditures through May 2016 are \$558.11 million or 35.8% of the budget. The expenditures to date are for engineering management, construction management support services, third party utility relocation work, agency administration, design build contract (C0980), right-of-way, various master cooperative agreements, and other professional services.

The project master schedule reflects a forecast of June 2021 for Revenue Service, which will be executed in two phases. Phase I Revenue Service Date to Eastside is in February 2021 and Phase II Revenue Service Date to Pasadena is in June 2021.

A comprehensive risk register is reviewed and updated on a monthly basis for the current phase of the project. Risk Management reporting will continue to be on a quarterly basis. Metro is targeting an updated risk register in July 2016.

MANAGEMENT ISSUES / OPPORTUNITIES

Concern No.1:	Utility relocations have been delayed, impacting RCC's schedule.
Status/Action	Metro and RCC are collaborating on a schedule recovery plan which includes significant re-sequencing of work and additional measures to complete the project expeditiously. Elements of this recovery plan are dependent upon obtaining various street closures for station and guideway construction. Approvals of such closures are being vigorously pursued.
<u>Concern No. 2:</u>	Late City approvals of traffic control plans and shoring designs may impact construction progress at 1 st /Central, 2 nd /Broadway Stations, and Flower Street.
Status/Action	Metro is working with RCC, LADOT and BOE to actively expedite submissions, quality reviews, and approvals of required plans.
<u>Concern No. 3:</u>	Delays and reduced productivity along Flower St. continue to be experienced; work hour constraints and permit processing are driving causes.
Status/Action	Metro plans to pursue work hour variance for Sunday operations.
<u>Opportunity No. 1:</u>	Metro has exercised C0980 Project Option 12, which includes elements of design required for a Super Fast Growth Rate/Arson Fire. Metro Fire Life Safety (FLS) subsequently revised the criteria to include Medium Growth Rate Fire.
Status/Action	RCC will identify the physical elements required for the Medium Growth Rate Fire compared to the previous Super Fast Growth Rate/Arson Fire. Metro will pursue an equitable adjustment to the Contract.



PROJECT ALIGNMENT

BASE PROJECT SCOPE

Engineering

This phase consists of Preliminary Engineering (PE), Advanced PE (APE) and Final Design. During Preliminary Engineering, the Design Consultant, CPJV, was responsible for engineering, design, and development of fixed facilities, stations, guideways, tunnels, and related facilities for the Project to a level sufficient to provide the basis for final design. CPJV was also responsible for documentation necessary to support the Environmental Assessment process and the engineering and final design for advanced utility relocations.

Alignment modifications and Value Engineering were developed during Advanced PE to accommodate environmental mitigations and further develop the design to better accommodate rail operations and reduce the cost of the Project. PE and APE were completed in March 2013.

Final design for advanced utility relocations performed by Metro and Engineering Design Consultant was completed during Advanced PE and it included DWP water and power lines as well as City of LA sewer lines. AUR final design for other utilities was performed by individual utility companies. The balance of Final Design is being performed by the D/B contractor as part of the C0980 Contract.

Metro Furnished Equipment

Metro is procuring Light Rail Vehicles and Universal Fair System (UFS) equipment. Four Light Rail Vehicles for the Project will be procured and delivered by Kinkisharyo International, LLC under Option 2 of Contract P3010. The vehicles will be tested and accepted at the Gold Line Yard and put in service when the line is open for Revenue Service. UFS equipment will be designed, fabricated and installed under a Metro contract.

Construction

The scope of work in this phase is performed by third party utility companies and Design Build (C0980) Contractor as follows:

Third Party Advanced Utility Relocations

A number of utility owners have already relocated many of their assets and will continue to do so through 2016. The utilities include fiber optic, telephone, cable television, electrical (power cable pulling and splicing), and natural gas lines. Work started in late 2012 at the following locations:

- Flower Street cut-and-cover tunnel box
- 2nd/Hope Station box area
- 2nd/Broadway Station box area
- 1st/Central Station box area and Wye Structure

BASE PROJECT SCOPE (Cont.)

Contract C0980 Regional Connector Design Builder

This is the largest construction contract of the project that includes: final design and construction of underground guideway; station structures; miscellaneous underground structures; trackwork; traction power; overhead conductor rail; train control; communications; and all electrical and mechanical equipment and testing. The contractor will restore the Mangrove site and impacted streets to their previous condition at the end of the project.

The design-build contractor also has to meet sensitive noise and vibration standards at Disney Music Hall and the Colburn Music School, control subsidence along the alignment, and meet various other requirements for the various stakeholders along the alignment. This contract was awarded May 6, 2014 and NTP was issued July 7, 2014. Metro has exercised several contract options as well adding the remaining Advanced Utility Relocation work (C0981R Contract) to the C0980 Contract.

Contract C0981R Regional Connector Advanced Utility Relocations

Metro awarded the design-bid-build Advanced Utility Relocations Contract (Metro Contract No. C0981R) to Pulice Construction, Inc. to complete specific relocations at each of the future stations and along Flower Street in advance of the main D/B Contract C0980. The relocated utilities were long-lead construction tasks that were known to conflict with cut and cover excavations.

The scope of this work included the following relocations: LADWP water lines, LADWP power lines, and City of Los Angeles sewer lines. Metro assisted the contractor in obtaining exemptions as necessary for the City of LA nighttime work as well as for Peak Hour work hours.

Contract C0981R was terminated for convenience on April 14, 2015 and all remaining work was transferred to C0980 Contract. Contract C0981R was closed out and final payment processed.

Contract MCO70 – Construction Management Support Services

Metro awarded the contract for Construction Management Support Services (CMSS) to ARCADIS, Inc. ARCADIS Project Manager and other staff are co-located with Metro at the Integrated Project Management Office (IPMO) located at the Mangrove site. Additionally, the Metro Board approved a contract modification for Arcadis to fund services through FY 2017.

BASE PROJECT SCOPE (Cont.)

Contract E0119 – Preliminary Engineering And Design Support Services During Construction

Metro awarded this contract to The Connector Partnership, a joint venture between AECOM, Inc. and Parsons Brinkerhoff (CPJV). CPJV provided preliminary engineering services to support the EIR/EIS, prepared project definition documents for Contract C0980, and prepared the basis for final design development for Contract C0981. CPJV is currently performing design support during construction (DSDC) for the C0980 contract. Action to extend funding through FY17 was approved by the Metro Board on May 26, 2016.

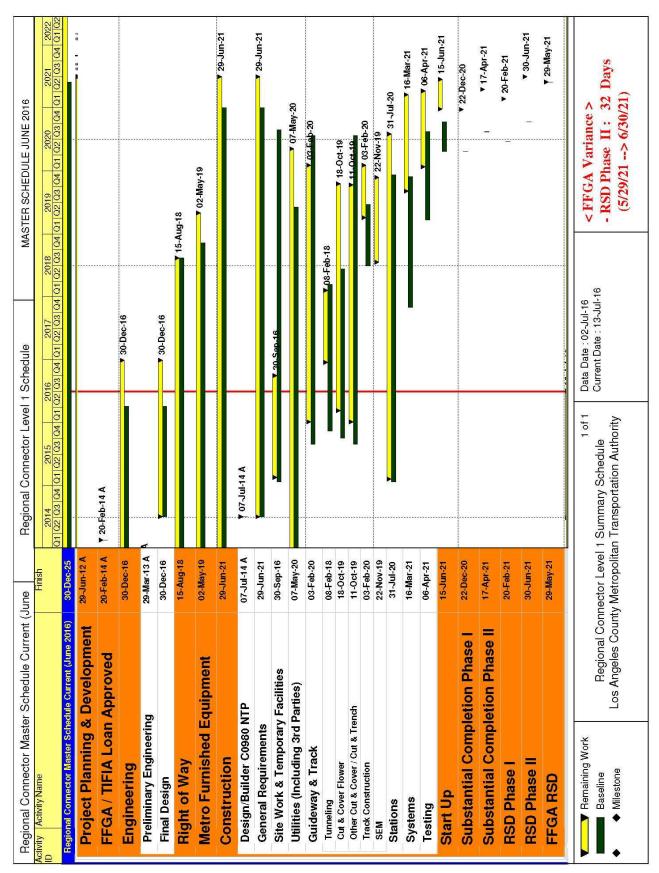
KEY MILESTONES SIX- MONTH LOOK AHEAD

	Milestone Date	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16
Completed permeation grouting	06/04/16	\bigcirc					
Started pile installation on west side of Flower (4th~5th)	06/18/16	\bigcirc					
Completed WYE Pile/Decking (East of 36" Waterline)	06/27/16	\bigcirc					
Completed excavation at 1st/Central Station Box	06/30/16	\bigcirc					
2nd/Broadway Station Package - 100% Design Submittal	07/14/16		\bigcirc				
DU03A SEM/Crossover - AFC Submittal	07/14/16		\bigcirc				
1st/Central Station Package - AFC Submittal	07/22/16		\bigcirc				
Civil Segment A (Flower to Hope) - 85% Design Submittal	07/25/16		\bigcirc				
Complete 2nd/Broadway DWP Power Intercepts and Cable (Phase 1)	07/29/16		\triangle				
End of 2nd/Broadway Intersection Full Closure	07/31/16		\bigcirc				
2nd/Hope Station Package - AFC Submittal	08/01/16			\bigcirc			
Start WYE Intersection Excavation (West)	08/05/16			\bigcirc			
Civil Segment B (Broadway to 1st/Central) - 85% Design	08/25/16			\bigcirc			
2nd/Broadway Station Package - AFC	09/22/16				\bigcirc		
Complete WYE Temp Decking (WTCP Stage 2.3)	09/23/16				\bigcirc		
Complete Temp Decking at 2nd/Broadway West Hammer Head	09/27/16				\bigcirc		
Approve 2nd St Mid Block Closure (4 Months)	10/01/16					\triangle	
Start Flower Street Decking (North of 5th)	10/01/16					\bigcirc	
Complete WYE / TBM Launch Pit CIP Invert	10/18/16					\bigcirc	
Start TBM Assembly	10/19/16					\bigcirc	
Start Flower St Excavation (North of 5th)	11/07/16						\bigcirc
Civil Segment B (Broadway to 1st/Central) - 100% Design	11/28/16						\bigcirc
MTA Staff MTA Board Action		(Federal Tr nistration)	ansit	\bigtriangledown	Utility C	company	
		Consultan	t	\bigcirc	C0980 E)/B Contra	ctor

Contractors

O Design Consultant

Regional Connector Transit Corridor Project Quarterly Project Status Report



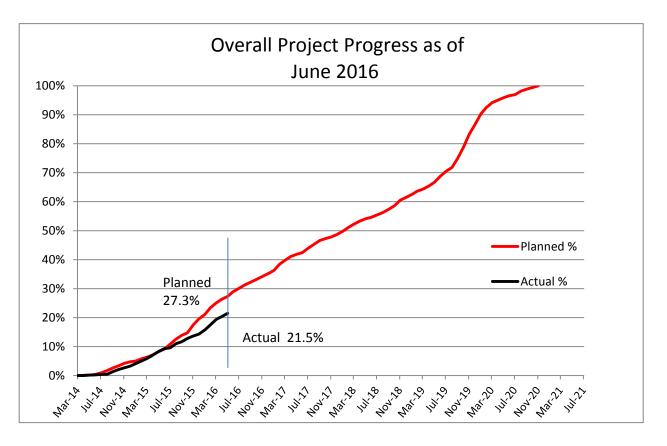
PROJECT SUMMARY SCHEDULE

June 2016

SCHEDULE MEASUREMENTS

	Status	Change from Last	Comment
Forecast Revenue Service	6/30/2021	<i>0</i> CD	Schedule Recovery Measures and Acceleration plans are being implemented
TIFIA Revenue Service	5/29/2021	None	
FFGA Revenue Service	5/29/2021	None	
Final Design Progress :			
Contract C0980	93.3%	1.7%	8 months Behind
Construction Contracts Progress :			
Contract <i>C0981R</i> & C0980	16.3%	1.2%	6 months behind (Compared to the Contract Substantial Completion)

Note: Method of Construction Progress Measurement has been modified to reflect current methodology, excluding all General Requirements, Construction Mobilization, Design Mobilization, Final Design and Provisional Sum (Schedule C) including executed Modifications and change orders.



PROJECT PROGRESS STATUS

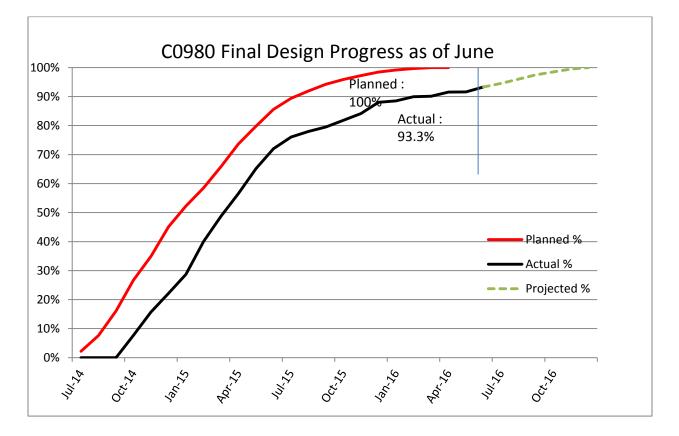
The above progress curve is based on planned expenditures of C0980 (Design-Build and C0981 (AUR) Baseline Schedule and actual expenditures.

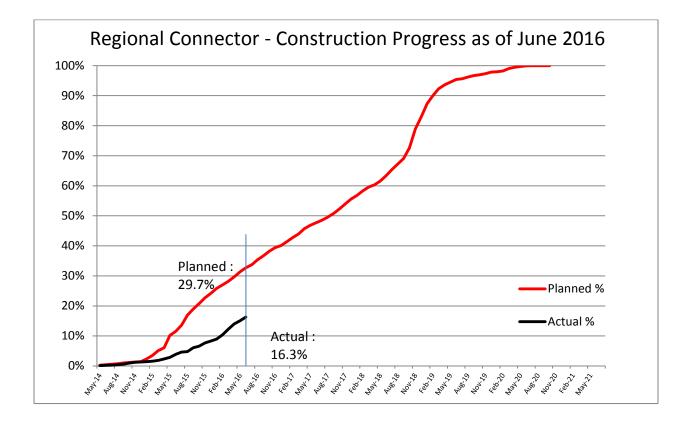
The cumulative overall project progress for C0980 & C0981R Contract is 21.5%.

Final Design for C0980 commenced upon MTA issuing NTP on July 7, 2014. Cumulative final design progress is *93.3*% and the cumulative construction progress is *16.3*%.

Note: Method of Overall Project Progress Measurement has been modified to reflect current methodology, excluding all General Requirements, Construction Mobilization, Design Mobilization and Provisional Sum (Schedule C) including executed Modifications and change orders.







MAJOR EQUIPMENT DELIVERY STATUS

Tunnel Boring Machine

RCC, the design-builder for C0980, has designed and procured the tunnel boring machine (TBM) and equipment.

Following are key dates for TBM design and procurement:

Activity Name	Early Finish	Need Date
LACMTA ACCEPTED TBM GENERAL ARRANGEMENT DRAWINGS	08/29/14 A *	9/3/2015
TBM DESIGN	02/12/15A *	7/23/2015
EXCECUTED TBM PURCHASE ORDER - PAYMENT 1	04/27/15A *	10/16/2015
EXCECUTED TBM PURCHASE ORDER - PAYMENT 2	05/29/15A *	12/1/2015
EXCECUTED TBM PURCHASE ORDER - PAYMENT 3	06/29/15A *	1/14/2016
EXCECUTED TBM PURCHASE ORDER - PAYMENT 4	07/31/15A *	2/26/2016
FAB/DELIV PRECAST TUNNEL LINER MOLDS	07/30/15A *	7/8/2016
TBM REBUILD	02/26/16A*	2/26/2016
VERIFIED ASSEMBLY / TEST OF TBM AT FABRICATION SHOP	03/01/16A*	3/18/2016
FAB/DELIV TBM MACHINE TO SITE**	4/13/16A*	9/2/2016
VERIFIED TBM SHIPPED TO SITE	4/27/16A*	9/2/2016

* A: the date is actual and completed

** TBM temporary storage site (703 E. Commercial St).

Light Rail Vehicles

Four Light Rail Vehicles (LRVs) for the Project will be procured and delivered by Kinkisharyo International, LLC under Contract P3010. The four LRVs for the Regional Connector Project are currently in Option 2 of the P3010 Contract. LRV design and design reviews as well as manufacturing of the prototype vehicles continued this period. Manufacturer continued performing qualification and post shipment tests on prototype cars 1 and 2 at LACMTA's Green Line shop.

UFS (Universal Fare System) & TVM (Ticket Vending Machines)

Procurement of UFS and TVM will commence after the design-builder completes the final design. Metro is coordinating with RCC for installation and testing schedules.

DESIGN-BUILDER'S (C0980) LONG LEAD ITEM LIST

Activity Name	Early Finish	Need Date
FAB/DELIVER DECK BEAMS - 2ND/BROADWAY	5-Mar-16	4-May-16
FAB/DELIVER SHORING BEAMS - 2ND/BROADWAY	19-Feb-16	9-Nov-16
FAB/DELIVER SHORING BEAMS - 2ND/HOPE	19-Feb-16	18-May-16
FAB/DELIVER SHORING BEAMS - FLOWER ST	19-Feb-16	15-Mar-16
FAB/DELIVER PIPE STRUTS - 1ST/CENTRAL	15-Jan-16	19-Jan-16
FAB/DELIVER PIPE STRUTS - MANGROVE LAUNCH PIT	11-Feb-16	23-Jun-16
PROCURE PLATE PURCHASE ORDER	25-Apr-16	16-Dec-16
VERIFIED ASSEMBLY / TEST OF TBM AT FABRICATION SHOP	22-Jan-16	27-May-16
PROCURE PIPE SPECIALTY STORM DRAIN PIPE PURCHASE ORDER	15-Sep-16	12-Mar-20
PROCURE PIPE (PVC) PURCHASE ORDER	28-Mar-16	29-Apr-16
PROCURE PIPE (VCP) PURCHASE ORDER	28-Mar-16	29-Apr-16
FAB/DELIV OCS POLES / EQUIPMENT - SHOOFLY	5-Jan-16	29-Jan-16
FAB/DELIV TRAIN CONTROL CABLE - SHOOFLY	4-Jan-16	25-Jan-16
PROCURE PRECAST COMM STRUCTURE PURCHASE ORDER	10-Mar-16	12-Dec-19
PROCURE PLUMBING SUBCONTRACTOR	10-Mar-16	11-Aug-16
FAB/DELIVER WALES - 2ND/BROADWAY	26-Feb-16	1-May-16
FAB/DELIVER PIPE STRUTS - 2ND/BROADWAY	26-Feb-16	1-May-16
FAB/DELIV TBM MACHINE TO SITE	21-Feb-16	22-Aug-16
PROCURE BALLASTED TRACK - NORTH ALAMEDA LEG	20-Jul-16	9-Feb-21
PROCURE NEW 115RE RAIL - STANDARD RAIL	26-May-16	12-Aug-19
PROCURE NEW 115RE RAIL - HIGH STRENGTH RAIL	26-May-16	12-Aug-19
PROCURE RAIL - JOBWIDE	26-May-16	12-Aug-19
PROCURE SPECIAL TRACK - JOBWIDE	26-May-16	4-Oct-19
VERIFIED TBM SHIPPED TO SITE	22-Feb-16	23-Aug-16
FAB/DELIVER WALES - FLOWER ST	8-Apr-16	12-Jun-16
FAB/DELIVER PIPE STRUTS - FLOWER ST	8-Apr-16	12-Jun-16
FAB/DELIVER DECK BEAMS - FLOWER ST	9-May-16	8-Jul-16
FAB/DELIV OCS POLES / EQUIPMENT	14-Aug-17	17-Dec-19
FAB/DELIV OCR FOR TUNNEL	14-Aug-17	20-Jan-20
PROCURE MSE PANEL PURCHASE ORDER	1-Jul-16	3-Dec-20
PROCURE REBAR - FLOWER ST C/C	5-May-16	3-Jul-18
PROCURE HDPE - FLOWER ST C/C	5-May-16	15-Jun-18
**PROCURE RAIL - FLOATING SLAB MATERIALS	29-Jul-16	1-Aug-19
FAB/DELIVER WALES - 2ND/HOPE	20-May-16	24-Jul-16
FAB/DELIVER PIPE STRUTS - 2ND/HOPE	20-May-16	24-Jul-16
FAB/DELIV LIGHT FIXTURES - CENTRAL STA	5-Aug-16	15-Apr-20
FAB/DELIV EDGE LIGHTING - CENTRAL STA	3-Oct-16	20-Feb-20
FAB/DELIV GLAZING SPIDERS - ALL STATIONS	12-Sep-16	6-Apr-20
PROCURE LANDSCAPING SUBCONTRACTOR	5-Oct-16	18-Jun-20
FAB/DELIV LIGHT FIXTURES - BROADWAY STA	14-Nov-16	15-Apr-20
FAB/DELIV EDGE LIGHTING - BROADWAY STA	13-Jan-17	26-May-20
FAB/DELIV LIGHT FIXTURES - HOPE STA	21-Nov-16	22-Apr-20

DESIGN-BUILDER'S (C0980) LONG LEAD ITEM LIST (Cont.)

Activity Name	Early Finish	Need Date
FAB/DELIV EDGE LIGHTING - HOPE STA	20-Jan-17	26-May-20
PROCURE ARCHITECTURAL PRECAST PAVER SUBCONTRACTOR	21-Nov-16	6-Mar-20
PROCURE GRANITE STONEWORK SUBCONTRACTOR	21-Nov-16	29-Jun-20
PROCURE MASONRY SUBCONTRACTOR	21-Nov-16	9-Sep-19
PROCURE PRECAST STRUCTURAL ELEMENTS SUBCONTRACTOR	21-Nov-16	7-Apr-20
PROCURE ARCHITECTURAL CONCRETE PAVING SUBCONTRACTOR	21-Nov-16	23-Mar-20
PROCURE DOORS & HARDWARE SUBCONTRACTOR	21-Nov-16	9-Jan-20
PROCURE DRYWALL & FRAMING SUBCONTRACTOR	21-Nov-16	30-Jun-20
PROCURE ESCALATORS SUBCONTRACTOR	21-Nov-16	25-May-18
PROCURE FIRE PROTECTION SUBCONTRACTOR	21-Nov-16	6-Nov-18
PROCURE FLOORING SUBCONTRACTOR	21-Nov-16	23-Jul-20
PROCURE GLAZING SUBCONTRACTOR	21-Nov-16	16-Mar-20
PROCURE HVAC SUBCONTRACTOR	21-Nov-16	18-Oct-19
PROCURE METAL CEILING SUBCONTRACTOR	21-Nov-16	27-Feb-20
PROCURE PAINT SUBCONTRACTOR	21-Nov-16	20-Feb-20
PROCURE SHEET METAL SUBCONTRACTOR	21-Nov-16	29-Apr-20
PROCURE SPRAY ON ACCOUSTICAL FINISH SUBCONTRACTOR	21-Nov-16	23-Jan-20
PROCURE STAINLESS STEEL SUBCONTRACTOR	21-Nov-16	8-Jan-20
PROCURE STATION SIGNS SUBCONTRACTOR	21-Nov-16	17-Jul-20
PROCURE STEEL (PERMANENT) SUBCONTRACTOR	21-Nov-16	12-Feb-20
PROCURE TERRAZZO SUBCONTRACTOR	21-Nov-16	10-Jul-20
PROCURE TILE SUBCONTRACTOR	21-Nov-16	24-Jan-20
PROCURE FLUID APPLIED WATERPROOFING SUBCONTRACTOR	21-Nov-16	23-Dec-19
PROCURE ELEVATORS SUBCONTRACTOR	21-Nov-16	22-Aug-18
FAB/DELIV EMERGENCY VENTILLATION FANS - CENTRAL (4)	30-Jun-17	13-May-20
FAB/DELIV EMERGENCY BOOSTER FANS (12)	30-Jun-17	20-May-20
FAB/DELIV EMERGENCY VENTILLATION FANS - BROADWAY (4)	30-Jun-17	, 13-May-20
FAB/DELIV EMERGENCY VENTILLATION FANS - HOPE (4)	30-Jun-17	, 13-May-20
ELEVATOR COORDINATION DRAWINGS - 1ST/CENTRAL	9-Feb-17	, 10-Nov-18
ESCALATOR COORDINATION DRAWINGS - 1ST/CENTRAL	9-Feb-17	13-Aug-18
**ASSEMBLY OF THE TBM AND BACKUP EQUIP / INST FIRST 10 RINGS	8-Dec-16	14-Nov-16
FAB/DELIV 2ND/HOPE TPSS	21-May-18	23-May-19
FAB/DELIV 2ND/HOPE UNIT SUBSTATION AND TRANSFORMER	, 25-Aug-17	, 13-Mar-20
FAB/DELIV 2ND/BROADWAY UNIT SUBSTATION AND TRANSFORMER	25-Aug-17	18-Feb-20
FAB/DELIV HIGH VOLTAGE DISCONNECT - 1ST & CENTRAL	29-Mar-17	6-Dec-19
FAB/DELIV TRAIN CONTROL CABLE	27-Dec-17	27-Dec-18
FAB/DELIV ELEVATORS - 1ST/CENTRAL	9-Feb-18	2-Dec-19
ELEVATOR COORDINATION DRAWINGS - 2ND/BROADWAY	30-Apr-17	29-Jan-19
ESCALATOR COORDINATION DRAWINGS - 2ND/BROADWAY	30-Apr-17	1-Nov-18
FAB/DELIV ESCALATORS - 1ST/CENTRAL	9-Feb-18	25-Jun-20
FAB/DELIV ELEVATORS - 2ND/BROADWAY	30-Apr-18	29-Jan-20

DESIGN-BUILDER'S (C0980) LONG LEAD ITEM LIST (Cont.)

Activity Name	Early Finish	Need Date
ELEVATOR COORDINATION DRAWINGS - 2ND/HOPE	19-Jul-17	23-Apr-19
FAB/DELIV ESCALATORS - 2ND/BROADWAY	30-Apr-18	15-Jan-20
ESCALATOR COORDINATION DRAWINGS - 2ND/HOPE	19-Jul-17	20-Jan-19
FAB/DELIV ELEVATORS - 2ND/HOPE	19-Jul-18	22-Apr-20
FAB/DELIV ESCALATORS - 2ND/HOPE	19-Jul-18	20-Jan-20
FAB/DELIV 2ND/BROADWAY TPSS	13-Feb-19	18-Feb-20
FAB/DELIV TRAIN CONTROL EQUIPMENT	14-Jan-19	14-Jan-20

CRITICAL PATH NARRATIVE

Critical Path (C0980):

This period the critical path was maintained from the previous period. The current forecast to meet the Revenue Service Date is June 30, 2021 and is 32 days behind the FFGA date of May 29, 2021.

The critical path is currently running through the soldier pile & decking installation at the wye. The path continues through the wye excavation and invert pour. Upon the completion of the critical activities at the wye, the critical path continues through the AR / AL tunnel excavations, which will be followed by the crossover SEM excavation & concrete at 2nd/Broadway. After the crossover structure is complete, then the special track work installation will commence. The critical path continues through the overhead contact system installation and testing from 1st / Alameda to 7th / Flower, which will be followed by systems integration testing (Eastside Gold Line – Phase 1) and pre-revenue testing. Phase 1- Revenue Service to the Eastside Gold Line is forecast to be complete on February 20, 2021.

After Phase 1 Revenue Service is achieved, the critical path continues through the Alameda Street civil, structural, and systems work. Upon the completion of the systems work, the critical path continues through the systems integration testing (Pasadena Gold Line – Phase 2) and pre-revenue testing. Phase 2 – Revenue Service to the Pasadena Gold Line is forecast to be complete on June 30, 2021.

Note:

 Metro has issued changes to add the direct scope of all the remaining Advanced Utility Relocation (AUR) work to C0980 contract, which significantly impacted the project schedule. A draft recovery schedule incorporating the AUR work and mitigation/recovery measures was prepared and submitted by RCC in April 2016. The Project Team is reviewing the Recovery Schedule.

SCHEDULE CONTINGENCY DRAWDOWN

Due to AUR work delays and transfer of work scope to C0980 contract, the schedule milestones are being re-evaluated. As impacts are negotiated, milestones will be reforecast as necessary.

PROJECT COST STATUS

SCC CODE		FFGA BUDGET	ORIGINAL BUDGET		RENT DGET	СОММІ	TMENTS	EXPEND	ITURES		RENT ECAST	BUDGET/ FORECAST
				PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	VARIANCE
10	GUIDEWAYS & TRACK ELEMENTS	280,622	204,691	0	241,092	0	228,986	7,774	32,391	-5,221	241,172	80
20	STATIONS, STOPS, TERMINNALS, INTERNODAL	354,268	219,477	0	229,779	0	223,779	2,350	10,395	0	229,779	(
30	SUPPORT FACILITIES: YARDS, SHOPS, ADMIN, BLDGS	0	0	0	0	0	0	0	0	0	0	(
40	SITEWORK & SPECIAL CONDITIONS	141,785	422,453	2,278	531,447	2,424	478,349	2,957	263,502	4,624	543,120	11,673
50	SYSTEMS	69,667	73,848	0	74,942	1	63,330	445	1,511	0	75,321	379
	CONSTRUCTION SUBTOTAL (10-50)	846,343	920,468	2,278	1,077,260	2,425	994,444	13,527	307,799	-597	1,089,392	12,132
60	ROW, LAND, EXISTING IMPROVEMENTS	115,889	74,208	0	82,704	0	73,858	27	46,295	0	82,704	
70	VEHICLES	16,275	16,275	0	16,275	14,275	16,275	0	0	0	16,275	(
80	PROFESSIONAL SERVICES	261,455	257,973	-1,778	275,699	-1,156	230,877	4,271	179,253	-2,235	275,354	-340
	SUBTOTAL (10-80)	1,239,963	1,268,925	500	1,451,939	15,544	1,315,454	17,826	533,347	-2,832	1,463,724	11,78
90	UNALLOCATED CONTINGENCY	135,399	126,892	-500	73,402	0	0	0	0	2,832	61,616	-11,786
100	FINANCE CHARGES	27,571	7,115	0	7,115	0	0	0	0	0	7,115	(
	TOTAL PROJECTS 460228 & 860228 (10-100)	1,402,932	1,402,932		1,532,456	15,544	1,315,454	17,826			1,532,456	(
	ENVIRONMENTAL/PLANNING - 400228		6,075	0	6,075	0	6,075	0	6,075	0	010.0	(
	ENVIRONMENTAL/PLANNING - 460228		18,125	0	20,425	1	20,425	32	18,692	0		(
	TOTAL PROJECTS 400228 & 460228 (EVN/PLAN'G)	0	24,200	0	26,500	1	26,500	32	24,767	0	26,500	

PROJECT COST ANALYSIS – 860228

Original Budget:

The Original Budget of \$1.427 billion reflects the Board approved Life-of-Project (LOP) budget on April 24, 2014 plus Finance Charges of \$7.1 million.

Current Budget:

The Board in December 2015 approved an increase to the Life-of-Project (LOP) budget of \$131.8 million to \$1,558.9 million. The new budget includes \$7.1 million Finance Charges. *Budgets for Commonwealth and Broadway mitigations have been redefined as Construction Mitigation under SCC 40.08 and \$500k was transferred from unallocated contingency to Legal Services.*

Commitments:

The Commitments increased by \$15.54 million this period to \$1.34 billion which represents 86.08% of the Current Budget. The increase is due to RCC modifications and Light Rail Vehicles.

Expenditures:

The Expenditures are cumulative through *May* 2016. Expenditures increased by \$17.86 million this period for costs associated with C0980 Design Build contract, Engineering Management Support, Metro Project Administration, Construction Management Support Service, Legal Services, and Third Party Master Cooperative Agreements with the City of LA, Community Relations, ROW and Environmental Consultant Services. The \$558.11 million in expenditures to date represents 35.8% of the Current Budget.

Current Forecast:

The forecast includes pending modifications.

Regional Connector Transit Corridor Project Quarterly Project Status Report

June 2016

PROJECT COST STATUS (Cont.)

CONCURRENT NON-FFGA ACTIVITIES (861228)

PROJECT COST STATUS BY FTA SCC

DOLLARS IN THOUSANDS

SCC CODE	Description	ORIGINAL BUDGET	BUDGEI			COMMITMENTS		EXPENDITURES		CURRENT FORECAST		
			PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	VARIANCE	
10	GUIDEWAYS & TRACK ELEMENTS	-	0	0	0	0	0	0	0	0	(
20	STATIONS, STOPS, TERMINNALS, INTERNODAL	-	0	0	0	0	0	0	0	0	(
30	SUPPORT FACILITIES: YARDS, SHOPS, ADMIN, BLDGS	10,480	0	10,480	0	10,480	0	0	0	10,480	(
40	SITEWORK & SPECIAL CONDITIONS	0	0	0	0	0	0	0	0	0	(
50	SYSTEMS	0	0	0	0	0	0	0	0	0	(
	CONSTRUCTION SUBTOTAL (10-50)	10,480	0	10,480	0	10,480	0	0	0	10,480	(
60	ROW, LAND, EXISTING IMPROVEMENTS	27,748	0	27,748	0	27,748	0	22,498	0	27,748	(
70	VEHICLES	0	0	0	0	0	0	0	0	0	(
80	PROFESSIONAL SERVICES	650	0	650	0	650	24	197	0	650	(
	SUBTOTAL (10-80)	38,878	0	38,878	0	38,878	24	22,695	0	38,878	(
90	UNALLOCATED CONTINGENCY	1,113	0	1,113	0	0	0	0	0	1,113	(
100	FINANCE CHARGES	0	0	0	0	0	0	0	0	0	(
	TOTAL PROJECTS 861228 (10-100)	39,991	0	39,991	0	38,878	24	22,695	0	39,991		
	861228 TOTAL	39,991	0	39,991	0	38,878	24	22,695	0	39,991		

NOTE: EXPENDITURES ARE CUMULATIVE THROUGH 05/31/2016

PROJECT COST ANALYSIS - 861228

Original Budget:

The Original Budget, Current Budget, and Current Forecast reflect the Board approved Life-of-Project (LOP) budget on April 24, 2014.

Current Budget:

There is no change to the Budget for this period.

Commitments:

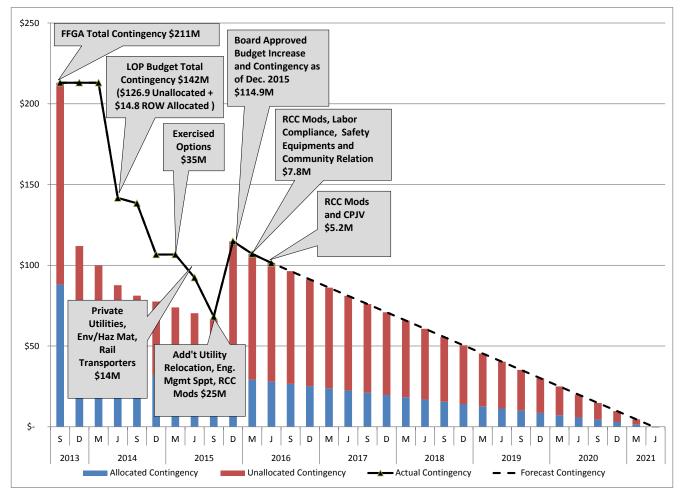
The Commitments reflect the Board approved Life-of-Project (LOP) budget on April 24, 2014 less the Unallocated Contingency of \$1.1 million. Right-of-Way (ROW) numbers shown under Commitment are the obligated numbers.

Expenditures:

The Expenditures are cumulative through May 2016. There was no change in Expenditures for this period. The \$22.69 million in expenditures to date represents 56.7% of the Current Budget.

Current Forecast:

There was no change to the Forecast for this period.

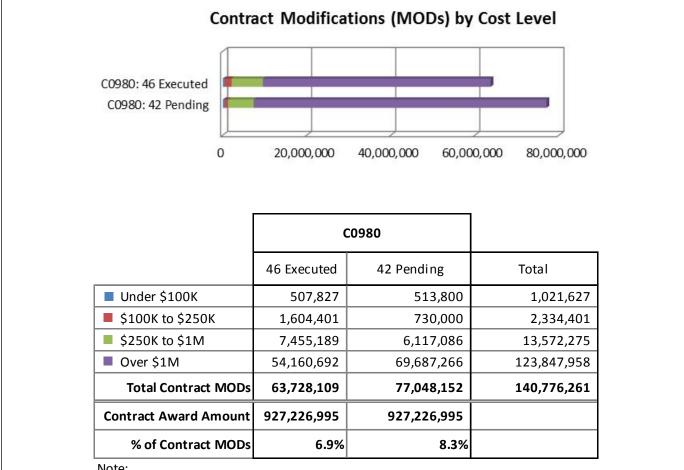


COST CONTINGENCY DRAWDOWN

COST CONTINGENCY DRAWDOWN ANALYSIS

The Board in December 2015 approved an increase to the Life-of-Project budget of \$131.8 million. The Regional Connector Transit Corridor Project budget of \$1.56 billion reinstated the total project cost contingency to \$114.9 million, \$80.3 million in "unallocated contingency", which is included as a separate Standard Cost Category (SCC) element and \$31.3 million in an "allocated contingency" to Design Build Contract, \$3.00 million allocated for Private Utilities, and \$0.25 million to Environmental Planning. This month there is a drawdown of \$0.62 million from Design Build Contract "allocated contingency" and \$500k from "unallocated contingency" The remaining project cost contingency for June 2016 is \$101.37 million.

SUMMARY OF CONTRACT MODIFICATIONS



Note:

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

2. Pending Mods are under negotiations.

3. Contract C0980 Potential Changes include \$65.84M budget (AUR transfer scope, delay and impact cost on recovery schedule). \$19.3M was committed with a remaining balance of \$46.5M

Forty-six (46) changes with total value of \$63.73 million have been executed since NTP of Contract C0980 and 42 potential changes with a total estimated value of \$77.05 million are pending.

DISADVANTAGED BUSINESS ENTERPRISE (DBE) STATUS

Contract C0980 Regional Connector Transit Corridor Design-Build

- DBE Goal Design: 20%
- Current DBE Commitment Design: \$11,303,360.03 (22.63%)
- Current DBE Participation: 22.65%
- Twelve (12) Design DBE sub-consultants have been identified to date
- DBE Goal Construction: 18%
- Current DBE Commitment Construction: \$157,068,359.10 (18%)
- Current DBE Participation: 44.30%
- Forty seven (47) Construction DBE sub-consultants have been identified to date

PROJECT LABOR AGREEMENTS (PLA) STATUS

Contract C0980 Regional Connector Transit Corridor Design-Build

 Targeted Worker Goal - Targeted Worker Current Participation - 	40.00% 57.48%	
 Apprentice Worker Goal - Apprentice Worker Current Participation - 	20.00% - 19.85%	
 Disadvantaged Worker Goal - Disadvantaged Worker Current Participation - 	10.00% <i>8.04%</i>	

FINANCIAL/GRANT STATUS

Status of Funds Anticipated

June 2016

FEDERAL - CMAQ	METRO SUBMITTED ON NOVEMBER 25, 2013 A GRANT APPLICATION OF \$64.0M TO THE FTA. GRANT APPROVAL WAS EXECUTED ON SEPTEMBER 24, 2014. FUNDS ARE AVAILABLE FOR DRAW DOWN
FEDERAL - SECTION 5309 NEW STARTS	METRO SUBMITTED ON NOVEMBER 25, 2013 A GRANT APPLICATION OF \$65.0 M TO THE FTA. GRANT APPROVAL WAS EXECUTED ON SEPTEMBER 23, 2014. METRO SUBMITTED ON JUNE 11, 2015 A GRANT AMENDMENT OF \$100M. GRANT AWARDED AUGUST 2015. FUNDS ARE AVAILABLE FOR DRAW DOWN METRO WILL SUBMIT A GRANT AMENDMENT OF \$100M IN JULY 2016
MEASURE R - TIFIA LOAN: (Transportation Infrastructure Finance & Innovation Act)	A TIFIA LOAN AGREEMENT BETWEEN THE DEPARTMENT OF TRANSPORTATION AND METRO FOR \$160M WAS EXECUTED ON FEBRUARY 20, 2014. THE DISBURSEMENT OF \$61,864,368 WAS SPLIT INTO TWO PARTS. RECEIVED THE FIRST DISBURSEMENT OF \$25.2 MILLION 4TH QUARTER FY2016. THE BALANCE WILL BE DISBURSED 1ST QUARTER FY 2017.
STATE PROP 1A HSRB	ALLOCATION REQUEST OF \$114.9M TO THE CTC WAS SUBMITTED ON JUNE 27, 2013. ALLOCATION WAS APPROVED ON JULY 18, 2014. FUNDS HAVE BEEN DRAW DOWN.
STATE PROP 1B PTMISEA	ALLOCATION REQUEST OF \$135.1M WAS APPROVED ON APRIL 24, 2013. FUNDS ARE AVAILABLE FOR DRAW DOWN.
CITY OF LA	FUNDING AGREEMENT OF \$42M WITH THE CITY OF LA WAS APPROVED IN JUNE 2014. THE FIRST PAYMENT DRAWDOWN OF \$5.0M WAS IN JUNE 2016.

Status of Funds by Source

June 2016

SOURCE	(A) ORIGINAL BUDGET	(B) TOTAL FUNDS ANTICIPATED	(C) TOTAL FUNDS AVAILABLE	(D) COMM \$	(D/B) ITMENTS %	(E) EXPE \$	(E/B) NDITURES %	(F) BILLED TO SOURC \$	
FEDERAL - CMAQ	\$64.000	\$64.000	\$64.000	\$64.000	100%	\$40.929	64%	\$40.934	64%
FEDERAL - SECTION 5309 NEW STARTS	\$669.900	\$669.900	\$165.000	\$669.900	100%	\$165.000	25%	\$165.000	25%
FEDERAL - RIP	\$0.000	\$14.400	\$0.000	\$14.400	100%	\$0.000	0%	\$0.000	0%
MEASURE R - TIFIA LOAN	\$160.000	\$160.000	\$0.000	\$160.000	100%	\$45.036	28%	\$45.036	28%
STATE PROPOSITION 1A HSRB *	\$114.874	\$114.874	\$114.874	\$114.874	100%	\$114.874	100%	\$114.874	100%
STATE PROPOSITION 1B PTMISEA **	\$149.500	\$135.100	\$135.100	\$135.100	100%	\$116.744	86%	\$115.269	85%
STATE STIP RIP	\$2.590	\$2.590	\$2.590	\$2.590	100%	\$2.590	100%	\$2.590	100%
STATE CAPITAL PROJECT LOANS - OTHERS ***	\$132.466	\$284.730	\$284.730	\$176.089	62%	\$67.941	24%	\$67.941	24%
MEASURE R	\$27.571	\$7.115	\$0.000	\$0.000	0%	\$0.000	0%	\$0.000	0%
CITY OF LOS ANGELES	\$41.984	\$42.000	\$5.000	\$5.000	12%	\$5.000	12%	\$5.000	12%
LEASE REVENUE	\$64.247	\$64.247	\$0.000	\$0.000	0%	\$0.000	0%	\$0.000	0%
TOTAL	\$1,427.132	\$1,558.956	\$771.294	\$1,341.953	86.1%	\$558.114	35.8%	\$556.644	35.7%

EXPENDITURES ARE CUMULATIVE THROUGH MAY 2016

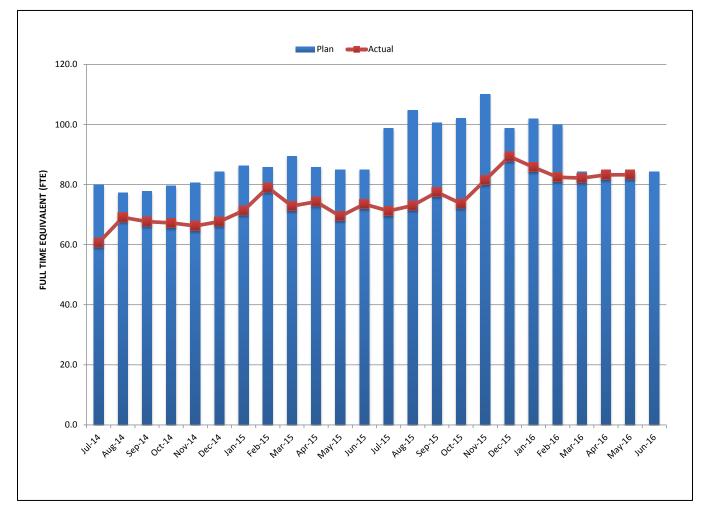
ORIGINAL BUDGET BASED ON FUNDING PLAN INCLUDED IN THE APPROVED FULL FUNDING GRANT AGREEMENT

* STATE PROPOSITION 1A HIGH SPEED RAIL BONDS

** STATE PROPOSITION 1B PUBLIC TRANSPORTATION MODERNIZATION, IMPROVEMENT AND SERVICE ENHANCEMENT ACCOUNT

*** OTHERS INCLUDE TDA ADMINISTRATION, NB PROPOSITION A ADMINISTRATION, AND PROPOSITION 1B INTEREST (FOR A TOTAL OF \$.318M)

STAFFING STATUS TOTAL PROJECT STAFFING – METRO AND CONSULTANTS



TOTAL PROJECT STAFFING

The overall FY16 Total Project Staffing plan averages 96.2 FTE's per month.

For May 2016, there were a total of 39.6 FTE's for MTA's Project Administration staff and 43.7 FTE's for consulting staff. The total actual project staffing for May 2016 was 83.3 FTEs versus FTE's planned (84.4).

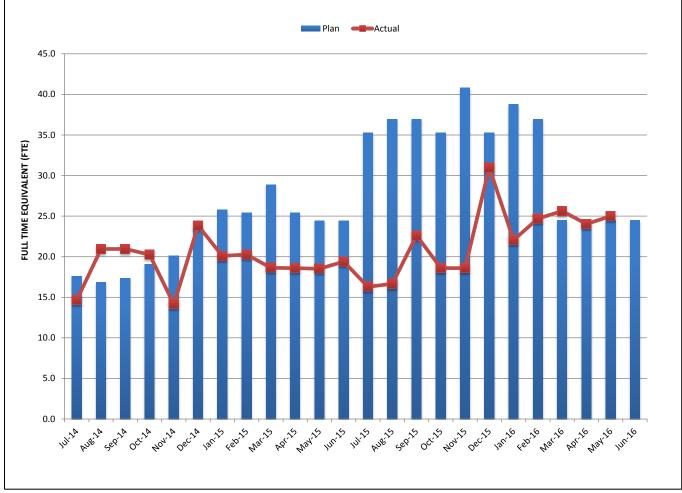
Regional Connector Transit Corridor Project Quarterly Project Status Report

STAFFING STATUS (Cont.) METRO STAFF



Note: The variance in FTEs is due to Customer Relations for Shoofly opening

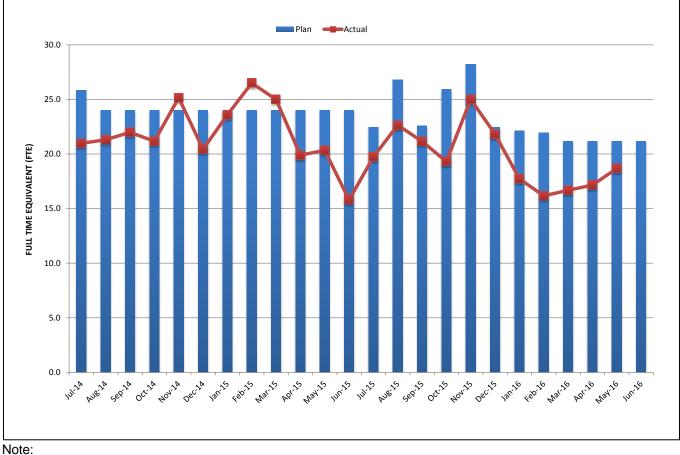
STAFFING STATUS (Cont.) CONSTRUCTION MANAGEMENTSUPPORT SERVICES CONSULTANT



Note:

- a) The variance in FTEs is due to Holiday's time off (Nov. 14), extensive weekend work (Dec.14) and additional field support staff.
- b) The Actual FTEs for the month are based on the FTE hours submitted in the invoice that month.

STAFFING STATUS (Cont.) ENGINEERING SERVICES CONSULTANTS



The variance in FTEs is due to Holiday's time off and in support of C0980 submittals and C0981R beyond a) planned completion.

b) The Actual FTEs for the month are based on the FTE hours submitted in the invoice of that month.

REAL ESTATE STATUS

Type of Take	Number of Parcels	Certified	Decertified	Appraisals In Process/ Completed	Offers Made	Agreements Signed	Condemnation Filed	Relocations Complete	Parcels Available
Full Takes	3	3	0	3	3	1	2	4	3
Part Takes	2	2	0	2	1	1	1	0	1
SSE	13	9	4	9	9	6	3	0	8
TCE/ROE	16	7	1	7	7	7	0	0	7
Sub Total Parcels:	34	21	5	21	20	15	6	4	19
Relocations Fotal Parcels:	5 34	21	5	21	20	15	6	4	19

REAL ESTATE ACQUISITION

Central Plants

• The Project obtained legal possession of the portion of the parcel required for the Project via a Stipulation for Possession effective July 1, 2015. The remaining property interests were acquired through an escrow which closed September 2nd and the condemnation was terminated.

LA Times – LA Times Square

• Required real estate was transferred at no cost to Project on March 2, 2015.

Japanese Village Plaza – "JVP"

- Metro submitted an offer to Japanese Village Plaza in November 2013. JVP rejected the offer; MTA Board adopted a resolution to acquire property through the condemnation process in June 2014. Tenants have also been named in the condemnation lawsuit by the Judge in order to acquire the rights to survey the property, monitor grout pipe installation, and install and monitor deformation monitoring devices in tenant's spaces. This action required a new resolution of necessity be adopted by the MTA Board of Directors. The Board action took place at the April 30th Board meeting and the Board adopted the Resolution of Necessity to include the tenants. Agreement has also been reached with several of the tenants which eliminate the requirement to include them in the eminent domain action.
- Court approved Motion on Order of Possession for tunnel and grouting pipe easements against JVP on 6/30/15. Order for Possession effective 7/31/15.

REAL ESTATE ACQUISITION (Cont.)

- Court granted motion to acquire the right to conduct pre-construction surveys and grout pipe installation monitoring effective 5/11/15. Currently working through Court referee to schedule surveys and grout pipe monitoring in tenant spaces - ongoing.
- Motion filed to obtain Order for Possession allowing the right to install and monitor the deformation monitoring devices in 19 tenant spaces. Court granted motion for OP on 8/19/15 and OP became effective 9/21/15. Real Estate has obtained rights on 17 of the 19 tenant spaces via right of entry.
- Motion for Proposed First Amended Complaint for modified take area filed with Court to allow amended RON in March.
- Project rescinded Motion for Proposed First Amended Complaint for modified take area – Project redesign did not require additional take area. Amended RON approved in April by Metro Board to allow for bifurcated tunnel easement.

<u>Volk</u>

- FTA and MTA approved the proposed settlement with Volk on the value of the property. Agreement has now been reached with the remaining tenants with regard to their Loss of Good Will claims. Final payments processed and complete.
- C0980 Contractor using site for laydown area.

Broad Collection

• Broad's appraisal review competed. Metro Real Estate negotiated a settlement Subject to approval at November/December Board. Seller changed terms prior to Board meeting – action pulled and negotiations continue. Awaiting comments from Broad's counsel on Agreement. *Working to complete in July 2016.*

<u>ANAIBIV</u>

 Offer accepted. Owner's attorney reworked Purchase Agreement and deed language. Real Estate working with County Counsel to finalize contract and open escrow. Additional language changes being negotiated as of 9/21 to address indemnity and possible environmental contamination disclosed by Seller. Seller's attorney & County Counsel finalized indemnity language changes – Seller signed Agreement January 28, 2016. Processing payments to allow recordation of easement. Easement recorded 4/15/2016 and property rights transferred to Project.

<u>Hull's Hope</u>

• Received formal decertification of parcel from Project on 6/19/15. Revocation of RON approved at January 2016 Board hearing. Matter closed.

401 E Second St (Office Depot)

• Received formal decertification of parcel from Project on June 19, 2015. Revocation of Offer letter sent 8/13.

REAL ESTATE ACQUISITION (Cont.)

City of Los Angeles (Mangrove Parcels) – No Change

• Project is still considering potential change to the tunnel easement. Once decision is made, will advise City of Los Angeles and negotiate for the revised easement area.

City of Los Angeles Department of Water and Power 'Duco Yard' (RC-473)

• Appraisal completed of temporary and permanent Easement areas. Awaiting final review and approval to prepare and submit offer July 2016.

(Former) CRA Parcels - Decertified 6/10/14

TBM (Temporary) Storage Yard:

Metro has acquired (leased) a parcel at 703 E. Commercial Street for the purpose of temporary storage at TBM. The lease period is from February-August with an option to extend it till December 2016.

QUALITY ASSURANCE STATUS

C0980 Regional Connector D/B

- Reviewed and provided comments on the Contractor's quality related submittals, construction work plans and milestone submittals. During current reporting period, these included Construction Quality Work Plans (CQWPs).
- Attended "Readiness Review" meetings with Contractor.
- Performed oversight verification of Contractor's design and construction activities, as well as ongoing monitoring of Contractor's QA/QC activities. *RCC opened NCR 011 6-1616 noting that concrete placed in crosswalk at 1stStreet/Broadway intersection achieved less than required 2500psi compressive strength. Through June 2016, received 1468 submittals from Contractor and 130 Request for Information (RFI), of which four (4) remain open. Two Design Deviation Requests (DDRs) opened 4-8-16 and 4-15-16 were approved by Metro. Contractor submission of its monthly quality report for June 2106 is forthcoming.*
- Continued ongoing surveillance of Contractor's internal design modification process including tracking of RFIs between Contractor, their design team and the City of Los Angeles (authority having jurisdiction). During June drawings for Design Units DU9 Overhead Contact System were issued for construction (IFC'd); drawings for DU15 2nd/Hope Station SOE were up-rev'd but "released for early construction (RFEC'd)" rather than submitted to Metro and the City (BOE) for revised plan approvals.

Regional Connector Transit Corridor Project Quarterly Project Status Report

ENVIRONMENTAL STATUS

- Pre-Construction Surveys have been completed for 61 adjacent buildings, which include the following sensitive, historic, and/or Flower Street properties: Hikari Apartments, Japanese Village Plaza Parking, Japanese Village Plaza, Japanese Village Plaza Mall, Nakamura Tetsujiro Building, The Broad Art Foundation Museum, The Colburn School, General Petroleum, Superior Oil Co. Building, The California Club, the Los Angeles Central Library, Maguire Gardens & Underground Parking Structure, WDCH, LA Times Building, LA Times Mirror Building, Higgins Building, Cathedral of Saint Vibiana, Citibank Group (Hines Property), the Downtown YMCA, the Parking Structure (Commonwealth), the Westin Bonaventure, and the 2nd Street Tunnel. Pre-Construction Surveys for the City National Bank/Commonwealth Buildings are in-progress. These surveys are prepared for all properties within 21 feet of vibration producing construction activities to assess the building category and the potential for ground borne vibration to cause damage to the buildings.
- As of May 31, 2016, RCC has installed noise monitors at six Metro-approved locations along the Project alignment. The noise monitors will be instrumental in verifying compliance of construction-generated noise with the local ordinance and thresholds listed in the Project Contract Specifications.

RCC has installed vibration monitors at WDCH, REDCAT, the Broad Museum, the Japanese Village Plaza, the LA Times, the Hikari Apartments, and the Colburn School. A Right-of-Entry is being negotiated for a vibration monitor to be installed at the Nakamura Tetsujiro Building. Locations are based on the Vibration Monitoring Plan to monitor vibration continuously during peak vibration generating construction.

- SWPPP inspections of all project areas are conducted weekly by RCC to observe site conditions and report on performance of stormwater protection Best Management Practices.
- Metro submitted the 13th Quarterly Mitigation Monitoring and Reporting Plan (MMRP) covering February 2016 to April 2016 to the FTA on May 13, 2016.

Regional Connector Transit Corridor Project Quarterly Project Status Report

ENVIRONMENTAL STATUS (Cont.)

During June, Zanja 8-R was exposed 6 times over 120-foot long segment along the west side of Flower Street between 5th and 6th Streets during pre-trenching and piling activities. In accordance with the April 2016 memo approved by FTA and SHPO, Metro attempted CCTV explorations. In five of these locations, the Zanja was either encountered broken, or was broken open in order to assess the interior. Unfortunately, in each location the Zanja was found to be filled with hard-packed sediment. CCTV explorations were impossible in every location. In one location the exposed Zanja was documented and impacted by drilling; in the other locations the Zanja was preserved in place. These explorations have confirmed the location of the Zanja. In every exposure where the Zanja has been encountered it has been a cement pipe. Where safety conditions have allowed it to be measured, it has in every case been 22 inches in diameter. No variation in construction has been observed. In accordance with the established plan, if, in the course of the project, a new aspect of Zanja No. 8-R (such as a manhole, lateral pipe, sluice or flow control system, pipe segment of a different material or dimensions, etc.) is encountered which, in the view of the Project Archaeologist, is not represented by the segments documented thus far, Metro will notify FTA and SHPO. Per Stipulation I.D.3 of the MOA, FTA in coordination with Metro will consult with SHPO on appropriate treatment of this new aspect of the feature, which may be uncovered and documented on appropriate DPR 523 forms, and included as an addition to the HAER, depending on site conditions and the information potential inherent in the resource. Other Zanja segments will be treated in accordance with the existing Cultural Resource Monitoring and Mitigation Plan (CRMMP), recorded as they are encountered, and included in the final package sent to NPS.

CONSTRUCTION AND COMMUNITY RELATIONS STATUS

Construction Relations

- Responded and addressed project related inquiries from the public received on the project hotline, email and during office hours at the Little Tokyo Community Office.
- Continued outreach to impacted area stakeholders regarding construction activities: utility relocation; station excavation, pile and deck installation, and geotechnical instrumentation. Distributed *11* construction notices to the public through email and door-to-door, and made it available on the project website and social media outlets.
- Coordinated construction activities with over 30 stakeholders project wide.
- Five Metro sponsored public meetings were held to provide updates on the progress of construction:
 - Bi-monthly Project Wide Construction Update
 - Regional Connector Community Leadership Council Committees: 1st/Central, 2nd/Hope, Flower St/Financial District
 - o Little Tokyo Leaders Task Force
- Presented on the status of construction at two community organizations' meetings: Little Tokyo Community Council and Little Tokyo Business Association.
- Continued bi-weekly meetings with: L.A. City Councilmember District 14 and the Mayor's office, Los Angeles Times, Common Wealth Partners, and Bonaventure Hotel.

Social Media Outreach Efforts

• Facebook had 6,269 "likes" (82 new likes) and a reach over 89K users. Twitter had 2,018 total followers and over 15k impressions.

Top posts on Facebook included the start of pile installation on the west side of Flower St and station excavation.

CONSTRUCTION AND COMMUNITY RELATIONS STATUS (Cont.)

Community Relations

- Conducted monthly updates with the Regional Connector Community Leadership Council for station areas representatives on construction related work, mitigations review, upcoming marketing and advertising efforts.
- Continued monthly Eat, Shop, Play (ESP) implementation and promotion of small businesses impacted by construction along the line. ESP provides social media and incommunity promotions of area businesses.
- Continued work with the monthly Little Tokyo Marketing & Business Task Force. Preparation of "culturally appropriate" historic Little Tokyo banner signage will be placed in early August for Little Tokyo cultural and business festival, Nisei Week. Metro is establishing a Little Tokyo Festival Shuttle to increase circulation of visitors to area businesses. Approximately 7 festival shuttles are planned.
- Metro's Business Assistance Center partner, Asian Pacific Islander Small business Program staff conducted a small business workshop on using social media to promote business. A June 29 workshop was conducted on public safety and how to attract new customers during the tourism season. Over 15 local businesses attended the workshop.
- Metro's continued sponsorship of the Little Tokyo 2- hour free visitor validation program added a fourth location to the program. - The program originally instituted to address construction impacts associated with Shoofly (Jan-March 2016) was extended to address impacts associated with 2nd St. grouting activities and advance work in preparation for the tunnel boring machine launch.

CREATIVE SERVICES STATUS

Art Program

- Responded to RFIs and Submittals
- Participated in Design Build document reviews
- Continued refining artwork opportunities and locations
- Continued to support mitigation efforts

SAFETY & SECURITY STATUS

C0980 Regional Connector

- Monitored RCC's pre-employment drug / alcohol testing and new employee safety orientation to insure compliance with contract specifications.
- Participated in weekly progress meetings with RCC's management personnel and Metro's Construction Manager to discuss safety/security/quality related issues and construction work schedules.
- Conducted Project Safety Orientation for new Metro/Consultants and IPMO project staff. Training sessions included Underground Safety and Self Rescuer Training.
- Participated in work plan reviews, daily crew safety meetings, and the RCC 'Safety Stand Down' sessions.
- Monitored construction field activities on a daily basis to insure compliance with contract specifications. Participated with RCC staff in field safety inspection walks of multiple project worksites, laydown, and storage yards.
- There was one Recordable injury and no major incidents reported in the month of June. There is a necessary one month lagtime to accumulate contractor work hours, therefore the May work hours and safety statistics are reflected in this June report.
- C0980 contractor RCC reported 43,988 work hours for the month of May 2016. The total C0980 Contract to Date work-hours through May 2016 are 813,860 with a total of four recordable injuries. The Contract Recordable Injury Rate is 1.0 and the (Bureau of Labor Statistics (BLS) National Average Recordable Injury Rate per 200,000 work hours is 3.2).
- Project to Date Total Work Hours including both the C0980 and the C0981 Advanced Utility Relocation contract through May are 924,909 hours with five (5) recordable injuries with a Project Total Recordable Injury Rate of 1.1 (National Average Rate is 3.2).

Third Party Utility Relocations

- Monitored Third Party contractor's work activities to insure safety compliance.
- Made recommendations to Utility crews regarding contract activities and improving overall traffic control and pedestrian safety.

Agency	Type of Agreement	Status/ Comments
City of Los Angeles	Amendment to Master Cooperative Agreement	Parties will work under 2003 MCA.
Los Angeles Department of Water and Power	Amendment to Memorandum of Understanding	Metro and LADWP will continue to work under the terms of the previous Cooperative Agreement.
Los Angeles County Public Works	Letter of Agreement	Executed in April 2011
Caltrans	Amendment	Executed in August 2011
Private Utilities	LOA, MOU or UCA	All agreements in place with exception of Level 3, Qwest, XO Comm, Zayo and Time Warner. Metro is in discussion with those utilities to establish agreements.

THIRD PARTY AGREEMENT STATUS

ADVANCED UTILITY RELOCATION STATUS

LADWP-Power Services anticipated completion dates for cable pulling, splicing and removal of old facilities including the following:

- <u>On Flower Street between 5th and 6th Street</u>, Metro requested that LADWP-Power to begin the intercept work, cable pulling, and splicing. LADWP will begin their work once the below two items are completed:
 - The Design build contractor needs to complete the remaining punch list items that weren't completed by the previous contractor near 5th & Flower Street,
 - Before LADWP can begin their intercept work at Flower Street, they needs to complete Phase 2 conduit installation at 2nd & Broadway, which is scheduled to be completed by the end of July 2016.
- <u>At the intersection of 6th & Flower Street</u>, LADWP has advised Metro/Design Build Contractor that they would need three vaults to meet their customer's power demands. Currently, CPJV is assisting LADWP with the re-design of power assets, and RCC will provide pothole information to identify potential locations for LADWP vaults. RCC is currently potholing on Saturdays at various locations.

ADVANCED UTILITY RELOCATION STATUS (Cont.)

- *Phase 1*: At 2nd Street and Broadway (Construction): The Design Build Contractor started Phase 1 electrical work in late February 2016 and turned over the entire area to LADWP on April 28, 2016.
- Per RCC's schedule, LADWP intercept crew has completed Phase 1 intercept work on June 1, 2016. LADWP cable crew started pulling cable and splicing on June 2, 2016 and are tentatively scheduled to be complete by early July.
- Phase 2: RCC began the installation of conduit work of Phase 2 work on May 2, 2016, and completed on June 1, 2016. LADWP approved RCC's work on June 6, 2016. LADWP conduit crews started their work on June 6, 2016 and completed on June 10, 2016. Completion of cable pulling and splicing is currently unknown.

LADWP-Water Services anticipated completion dates for water installation and removal of old facilities including the following:

- At the 1st and Alameda Street intersection, the Design Build Contractor started the installation of 36", water line on the first week of June 2016, and they are scheduled to complete their work by late September.
- At 2nd & Spring Street, the water relocation of the 8" water line started on April 19, 2016, and is estimated to be complete at the end of August 2016.

C0980 UTILITY WORK STATUS

The Design Build Contractor is currently coordinating with all affected utility owners to relocate their utilities by lowering in place or support and protect in order to accommodate the Regional Connector Project.

PEAK HOUR CONSTRUCTION VARIANCES

Metro is actively pursuing extended hour variances/exemptions to accommodate the Project needs by working with the City of Los Angeles, Bureau of Engineering, the Los Angeles Police Commission, the City of Los Angeles Department of Transportation and the City Council District 14th Office to obtain Peak Hour Exemptions.

1st/Central Station:

AM & PM Exemptions for the Shoofly Full Closure starting January 9, 2016 were approved through March 21, 2016. Metro coordinated with the City of Los Angeles for an extension of work until May 21, 2016. Further coordination extended the work until August 2016. Affected streets are 1st St between Central & Vignes, and Alameda St between Temple and 2nd Street. Work being performed includes the utility relocations (power, water, sewer, etc.), and piling/decking operations to support construction of the Shoofly, 1st/Central Station, and the future tunnel portal structure in the vicinity of 1st/Alameda. *Further exemptions past August 2016 into October 2016 will be pursued to continue of construction operations*.

2nd/Broadway Station

Metro extended the K-Rail placement on Broadway between 1st & 3rd Streets as well as on 2nd St between Broadway & Spring St to continue performing utility exploratory trenching/power line installations in support of LADWP-Power Utility Relocations until 2/26/16. Additionally, the full closure of the 2nd/Broadway intersection was granted an AM/PM exemption approval from February 27, 2016 to July 29, 2016. Work includes the Utility Relocations, and potential solder piling/decking operations. Throughout the next few months, Metro will continue to coordinate with LADOT/CD14 to extend the closure for approximately 2 month (past July 2016) to support soldier piling/decking operations at this location. Further exemptions will be pursued for the planned 2nd St Midblock Closure (between Broadway & Spring St) anticipated for October 2016.

2nd/Hope Station

• AM & PM Exemptions for the 2nd & Hope full closure have been obtained from January 23, 2016 to April 20, 2019. This is to support utility relocations, piling/decking operations, and the 2nd/Hope Station construction.

Flower Street Cut & Cover Area

• Metro obtained an AM & PM Peak Hour Exemption to place a K-Rail lane closure on the West Side of Flower Street between 4th & 5th Streets. *This was in support of Soldier Piling/Decking operations and is anticipated to last from June 4, 2016 to September 30, 2016.* Coordination with the City is already underway to obtain approvals for other closures to continue piling operations along Flower Street.

POLICE COMMISSION CONSTRUCTION VARIANCES

Metro continues to work closely with the Los Angeles Police Commission and actively pursue new night/Sunday work hour variances as well as expanded geographic limits and time extensions for existing variances to accommodate Project needs.

In June 2016, LAPD approved time extensions for ten (10) existing variances for the following locations:

- At 2nd & Broadway work area, two (2) variances were given time extension for the installation of shoring, utility relocation, and electrical work.
- At Alameda Street work area, five (5) variances were given time extension for the installation of water, sewer, storm drain, and solider piles
- At Flower Street work area, three (3) variances were given time extension for the installation of water and electrical work

In June 2016, LAPD approved one (1) new variances for the following location:

At 2nd & Hope Street work area, one (1) variance was approved for excavation of 2nd & Hope Station

CPUC CROSSING SUMMARY

Current Status

Contract C0980 requires the Contractor to design and obtain CPUC approval for the temporary relocation of the existing at-grade crossing of 1st Street adjacent to Alameda Street, approximately 500 feet east of its current location at 1st/Hewitt Streets. Also, the south Little Tokyo station pedestrian crossing will have to be re-opened to provide pedestrian access. The temporary modification of the existing at-grade crossing will remain in-place until construction of the underground Y junction necessitates closure of the existing Little Tokyo Station, at which point bus bridging will be implemented to transfer passengers between the Pico/Aliso and Union Station. When complete, the Regional Connector Project will no longer have an at-grade crossing at the intersections of 1st/Alameda and Temple/Alameda Streets.

On May 13, 2015, RCC received CPUC approval for the temporary relocation of the existing at-grade crossing of 1st Street adjacent to Alameda Street. Additionally, on May 26, 2015, RCC received CPUC approval of the South Little Tokyo station pedestrian crossing Form GO-88B application package.

CPUC attended clearance testing at the Shoofly. This testing *was* part of a series in preparation for system hand-off from the Contractor to Metro Operations to complete Bus Bridge #1. As of March 20, 2016, the Shoofly has been constructed, tested, safety certified, and the Gold Line is operational.

As of June 2016, Metro and RCC have finalized the items that need to be included in the checklist for the Safety Certification Status. This involves both design and construction items noted below:

- Passenger Stations, Train Control and Signals, Traction Power, Overhead Catenary, Communications, Track and Structures, Vertical Transportation (elevators, escalators), Fire Life Safety Systems, Security Systems, and CPUC Specific Requirements.
- Metro and RCC staff *are in the process* of developing a database to insert each of the above discipline's safety items for tracking, sorting, and distribution to key staff members for alerting of any potential issues that must be resolved.

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 into Preliminary Engineering
January 2011	Began Preliminary Engineering
August 2011	Board authorized to solicit major D/B contract C0980
October 2011	Issued RFQs for D/B contract C0980
December 2011	Began Real Estate Acquisition
March 2012	Completed PE and began Advanced PE
April 2012	Board certification of Final EIS / EIR and adoption of project
April 2012	Began Final Design - Advanced Utility Relocations (AUR)
June 2012	FTA Record of Decision
August 2012	Issued RFQs for D/B contract C0980
January 2013	Issued RFPs for D/Build contract C0980
March 2013	Completed Final Design - Advanced Utilities Relocation (AUR)
May 2013	NTP for Construction Management Services contract MC070
June 2013	Beginning of AUR contract C0981R Bid Period
July 2013	Submitted TIFIA loan application
July 2013	Submitted 1st draft FFGA application to FTA for review
September 2013	Received proposals for D/B Contract C0980
September 2013	Submitted 2nd draft FFGA application to FTA, incorporating FTA comments
October 2013	Submitted Application to FTA Requesting an FFGA
November 2013	Started Emergency Generator Replacement Tank at 2nd street and Broadway Station (LA Times Building)
December 2013	Issued "Notice of Intent to Award" letter to contract C0981R contrator Pulice Construction Inc.
January 2014	Awarded AUR contract C0981R to Pulice Construction Inc.
February 2014	Issued Notice to Proceed for AUR Contract C0981R
February 2014	FTA issued Full Funding Grant Agreement to Metro
March 2014	Issued Amendment # 11 for D/B Contract C0980

CHRONOLOGY OF EVENTS (Cont.)

March 2011	Started Sum as far ALID Contract C0004D
March 2014	Started Survey for AUR Contract C0981R
April 2014	Metro Board approved the award of D/B Contract C0980 and established a LOP Budget
May 2014	Awarded D/B Contract C0980 to Regional Connector Constructors, Joint Venture
June 2014	Obtained possession of the Mangrove property form the City of Los Angeles
July 2014	Issued Notice To Proceed for D/B contract C0980
August 2014	C0980 D/B Contractor (RCC) began Final Design
September 2014	Metro performed the ground-breaking ceremony for C0980 D/B Contract
October 2014	EN077 Contractor, Arcadis, removed the underground storage tank at LA Times Parking Lot
November 2014	C0981R AUR Contractor completed DWP power work at 1st ST. and Alameda
December 2014	Metro completed Field Vibration Testing for existing Expo and Gold Lines
January 2015	Demolish Buildings at 1st/Central Station
February 2015	Metro approved the Baseline Schedule for C0980 D/B Contract
March 2015	RCC started 2nd/Broadway Station Site Move-In
April 2015	Metro terminated C0981R Contract for convenience
May 2015	RCC started pile installation at Mangrove Launch Pit
June 2015	RCC started decking for shoofly bridge (Pile Cap & Grade Beam)
July 2015	DWP Water started installing 36" Water Valve at Alameda St.
August 2015	RCC completed DWP Power work at Flower & 5th Street
September 2015	RCC started Phase 2 DWP Power Relocation work at Broadway (Behind K Rail).
October 2015	RCC started pile installation at 1st/Central Station
November 2015	RCC completed Central Ave Full Closure (Pile & Decking)
December 2015	Metro Board approved the increase (\$131.8M) of the Project LOP Budget to \$1,589.9 million.

CHRONOLOGY OF EVENTS (Cont.)

January 2016	RCC began implementation of Bus Bridge # 1 (Shoofly Tie-In Work at Little Tokyo.
February 2016	RCC began implementation of full closure at 2nd/Broadway intersection.
March 2016	RCC completed Bus Bridge # 1 (Shoofly Tie-In at Little Tokyo) work.
March 2016	Excavation of 1st/Central Station was initiated.
April 2016	TBM (Tunnel Boring Machine) was delivered to the temporary storage site.
May 2016	Closed 1st Street between Alameda and Central Streets. Opened northbond 1st East of Alameda Street.
June 2016	RCC completed excavation at 1st/Central Station Box
June 2016	RCC began pile installation on west side of Flower Street between 4th and 5th Street

CONSTRUCTION CONTRACTS

Description: Design-Build Contract	Contract No. C0980		
Contractor: Regional Connector Constructors	Status as of: July 2, 2016		
Work Completed:	Major Activities (In Progress):		
 Design Final design is 91.6% complete as of May 2016 Compensation Grouting Working Drawing Review; Shotcrete Specification Review; DU10 Traction Power Specifications AFC; Overhead Conduction Rail Systems Review; DU14 Flower Street Bulkhead, DU12 Communications 85%; DU6 100% 2nd/Hope (without pedestrian bridge) Construction 1st/Central RCC completed Wye pile installation. RCC completed pile installation at 1st/Central Station. RCC completed station excavation/lagging and installation of walers/struts at 1st/Central Station. RCC completed tie-back installation at 1st/Central Station. RCC completed repair of damaged 12" waterline. RCC completed permeation grouting on 2nd Street. RCC completed horizontal directional drilling for 	 Design 100% design package for DU08 1st/Central Station, AFC design package for DU16 Broadway Station SOE; 100% Design DU11 Train Control @ 7th/Metro Construction 1st/Central RCC continues 1st/Alameda Wye decking installation. RCC continues 1st St Leg SOE pile installation. RCC continues working on the Temporary Soil Nail Wall. RCC continues geotechnical installation and monitoring at 1st/Central Yard and Alameda Public ROW. RCC continues secavation/lagging and installation of walers and struts for TBM SOE. RCC continues 36" water line at 1st/Alameda. 2nd/Broadway RCC continues water work at 2nd/Broadway. RCC continues water work at 2nd/Spring. 		
compensation grouting on Central Ave.	 RCC continues Traffic Signal Relocation at 2nd/Broadway. DWP continues Phase 1 & 2 cable pulling for power work. 		
 RCC completed 885 Crane Assembly 2nd/Hope RCC completed construction of the two crane pads at 2nd/Hope Station. RCC completed installation of walers and struts at the west side of level 1. RCC mobilized 2nd crane onsite. 	 2nd/Hope RCC continues station excavation at 2nd/Hope station. RCC continues station wood lagging at 2nd/Hope station. RCC continues SOE waler and strut installation at 2nd /Hope Station RCC continues station tie-back installation at 2nd/Hope. Flower 		
 Flower RCC completed pile installation between 4th and 5th on east side of Flower. RCC mobilized to the west side of Flower St between 4th and 5th for pile installation. 23 of 82 piles were installed by the end of the month. 	 RCC continues relocation of MFS line on Flower between 5th and 6th St. RCC continues potholing for vaults at locations in and around 6th/Flower. RCC continues utility investigation on the west side of Flower St. between 4th and 5th St. RCC continues pile installation between 4th and 5th on west side of Flower. 		
	 Project-wide RCC will resume pre-con survey (photograph existing conditions) at various locations. RCC continues underground investigation – potholing Hydrovac and exploratory trenching at various locations project wide. RCC continues preparation of submittals and traffic control plans, including weekly meetings with LADOT and City Council District 14. 		

CONSTRUCTION CONTRACTS (Cont.)

Description: Design-Build Contract	Contract No. C0980
Contractor: Regional Connector Constructors	Status as of: July 2, 2016
 Areas of Concern: Utility relocations have been delayed, impacting RCC's schedule. Schedule mitigation measures are being implemented across the alignment. Major street and intersection closures are being coordinated with LADOT, LABOE, and Council District 14 to facilitate construction plans and schedules. Additionally, Metro and RCC are coordinating with DWP and third-party utility owners on utility design and relocation issues along Flower, Broadway, Alameda and 2nd Street to advance construction fronts at these locations. Schedule recovery measures notwithstanding, schedule float and flexibility is minimal; opportunities for improvement continue to be reviewed. Delays and reduced productivity along Flower St. continue to be experienced; work hour and access constraints are driving causes. 	 Major Activities Next Period: Design 85% design packages for DU06.3 2nd/Hope Pedestrian; 100% 2nd/Hope Station BOP Design; 100% 2nd/Broadway Station BOP Design; AFC design packages for DU6 2nd/Hope Station and DU8 1st/Central Station Construction 1st/Central RCC will begin pouring Invert Concrete slab at 1st/Central Station. RCC will begin Hobas pipe installation. RCC will begin installation and testing of TBM tie downs and launch slab. RCC will begin drilling and installation of passenger elevator casings. RCC will begin pre-condition phase of compensation grouting from Central Ave. RCC will begin horizontal inclinometers horizontal drilling and pipe installation. RCC will begin pre-condition of hammer head at 2nd/Broadway. RCC will begin pre-top plan. DWP will begin Phase 2 cable pulling. Flower RCC will begin norse cavation for the installation of 24" Waterline on Flower. RCC will begin installation of the installation of cap beams on Flower St West between 4th and 5th St. Tunnel RCC will begin installation of MPBX along 2nd St. RCC will begin installation of UMP at 3rd/Flower (tie back removal shaft). RCC will begin installation of uMP at Flower St.

CONSTRUCTION CONTRACTS (Cont.)

Description: Design-Build Contract Contractor: Regional Connector Constructors			Contract No. C0980 Status as of: July 2, 2016				
Schedule Summary:			Original Contract Dates	Time Extension	Current Contract	Forecast	Variance CDs
5/6/201	4	Notice to Proceed	07/07/14	0	07/07/14	07/07/14	0
7/7/2014	4	Milestone 1:	10/22/20	0	10/22/20	04/17/21	-17
2430	CD	Milestone 2:	06/14/20	0	06/14/20	12/22/20	-19 ⁻
		Milestone 3:	05/15/16	0	05/15/16	11/04/17	-538
		Milestone 4:	05/27/18	0	05/27/18	09/27/19	-488
2430	CD	Milestone 5:	08/19/19	0	08/19/19	05/08/20	-263
Elapsed Time from NTP: 726 CD		Milestone 6:	09/18/19	0	09/18/19	07/31/20	-317
		Milestone 7:	10/10/15	0	10/10/15	03/21/16	-163
		Milestone 8:	04/22/18	0	04/22/18	02/23/20	-672
		Milestone 9A:	07/14/20	0	07/14/20	11/12/20	-12 ⁻
		Milestone 9B:	10/22/20	0	10/22/20	02/20/21	-12 ⁻
		Milestone 10:	10/12/20	0	10/12/20	06/15/21	-246
		Milestone 11:	10/27/20	0	10/27/20	06/30/21	-246
		Milestone 12:	03/01/21	0	03/01/21	08/24/21	-176
te as of :	07/02/16	Cost Summa	ry:		\$	In milli	ons
93.3%		1. Aw ard Value:	-			927.2	
14.4%			fications:			43.8	
34.8%		3. Approved Cha	nge Orde	rs:		20.0	
* Note: Physical completion assessment excludes			-			991.0	
		5. Incurred Cost:				345.3	
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CONSTRUCTION PHOTOS



1st/Central Station Excavation



Utilities Under Wye Decking



Piling at 2nd/Broadway Hammer Head



Walers and Struts Installation, Level 1 West Side of Hope Station



Piling on west side 5th/Flower Street



Night Work on 24" Mainline

COST AND BUDGET TERMINOLOGY

Project Cost Descriptions	
ORIGINAL BUDGET	The Original Project Budget established upon Board approval of Life-of-Project (LOP) budget.
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, 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 invoices, third party invoices, 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 LRT vehicles and spare parts for the project.
PROFESSIONAL SERVICES	Includes design engineering, project management assistance, construction management support services, legal counsel, agency staff costs, and other specialty consultants.
CONTINGENCY	A fund established at the beginning of a project to provide for anticipated but unknown additional costs that may arise during the course of the project.
PROJECT REVENUE	Includes all revenue receivable to the Metro as a direct result

LIST OF ABBREVIATIONS AND ACRONYMS

FEISFinal Environmental Impact StatementFEIRFinal Environmental Impact ReportFFGAFull Funding Grant AgreementFISFinancial Information SystemFLSRFire Life Safety ReportFONSIFinding of No Significant ImpactFRAFederal Railroad AdministrationFSEIRFinal Supplemental Environmental Impact StatementFTAFederal Transit AdministrationFTEFull Time Equivalent		FEIR FFGA FIS FLSR FONSI FRA FSEIR FSEIS FTA	Final Environmental Impact Report Full Funding Grant Agreement Financial Information System Fire Life Safety Report Finding of No Significant Impact Federal Railroad Administration Final Supplemental Environmental Impact Report Final Supplemental Environmental Impact Statement Federal Transit Administration
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LIST OF ABBREVIATIONS AND ACRONYMS (Cont.)

GBR Ground Borne Noise GBR Geotechnical Baseline Report GDSR Geotechnical Design Summary Report HABS/HAERHistorical American Building Survey / Historical American Engineering Record IFB Invitation for Bid 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 Street Lighting LACCTD Los Angeles County Flood Control District LADOT Los Angeles Department of Transportation Authority LADOT Los Angeles Department of Transportation LAPDW Los Angeles Department of Vater and Power LAFD Los Angeles Department of Vater and Power LAFD Los Angeles Fire Department LAPD Los Angeles Police Department LAPD Los Angeles Police Department LAPD Los Angeles Angeles Autorice To Proceed LONP Letter Of No Prejudice LAP Locally Preferred Alternative LRT Light Rail Transit RT Light Rail Vehicle MCA		
GDSRGeotechnical Design Summary ReportHABS/HAERHistorical American Building Survey / Historical American Engineering RecordIFBInvitation for BidIPMOIntegrated Project Management OfficeJVJoint-VentureLALos AngelesLABOELos Angeles Bureau of EngineeringLABOELos Angeles Bureau of Street LightingLACFCDLos Angeles Bureau of Street LightingLACFCDLos Angeles County Flood Control DistrictLACTCDLos Angeles County Metropolitan TransportationLADTLos Angeles Department of TransportationLADWLos Angeles Department of Public WorksLADWLos Angeles Department of Vater and PowerLAPDLos Angeles Fire DepartmentLAPDLos Angeles PopertmentLAPDLos Angeles PopertmentLAPDLos Angeles ProjectLPALocally Preferred AlternativeLRTLight Rail TransitLRTPLong Range Transportation PlanLRVLight Rail TransitLRTPLong Range Transportation PlanLRVLight Rail VehicleMOUMerorandum of UnderstandingMMRPMitigation Monitoring and Reporting ProgramMOUMetropet Status ReportN/ANot ApplicableNEPANational Environmental Protection ActNODNotice of DeterminationNPDESNational Pollution Discharge Elimination SystemNPDESNational Pollution Discharge Elimination SystemNPDESNational Pollution Discharge Eliminat	GBN	Ground Borne Noise
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NODNotice of DeterminationNPDESNational Pollution Discharge Elimination SystemNTENot to ExceedNTPNotice To ProceedOCCOperations Control CenterOCROverhead Conductor RailOCSOverhead Catenary SystemOSHAOccupational Health and Safety AdministrationPA/VMSPublic Address/Visual Messaging SignPCTLPrecast Concrete Tunnel LiningPEPreliminary EngineeringPEERPermit Engineering Evaluation Report	N/A	Not Applicable
NPDESNational Pollution Discharge Elimination SystemNTENot to ExceedNTPNotice To ProceedOCCOperations Control CenterOCROverhead Conductor RailOCSOverhead Catenary SystemOSHAOccupational Health and Safety AdministrationPA/VMSPublic Address/Visual Messaging SignPCTLPrecast Concrete Tunnel LiningPEPreliminary EngineeringPEERPermit Engineering Evaluation Report	NEPA	National Environmental Protection Act
NTENot to ExceedNTPNotice To ProceedOCCOperations Control CenterOCROverhead Conductor RailOCSOverhead Catenary SystemOSHAOccupational Health and Safety AdministrationPA/VMSPublic Address/Visual Messaging SignPCTLPrecast Concrete Tunnel LiningPEPreliminary EngineeringPERPermit Engineering Evaluation Report	NOD	Notice of Determination
NTPNotice To ProceedOCCOperations Control CenterOCROverhead Conductor RailOCSOverhead Catenary SystemOSHAOccupational Health and Safety AdministrationPA/VMSPublic Address/Visual Messaging SignPCTLPrecast Concrete Tunnel LiningPEPreliminary EngineeringPERPermit Engineering Evaluation Report	NPDES	National Pollution Discharge Elimination System
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OCROverhead Conductor RailOCSOverhead Catenary SystemOSHAOccupational Health and Safety AdministrationPA/VMSPublic Address/Visual Messaging SignPCTLPrecast Concrete Tunnel LiningPEPreliminary EngineeringPERPermit Engineering Evaluation Report	NTP	Notice To Proceed
OCSOverhead Catenary SystemOSHAOccupational Health and Safety AdministrationPA/VMSPublic Address/Visual Messaging SignPCTLPrecast Concrete Tunnel LiningPEPreliminary EngineeringPERPermit Engineering Evaluation Report	000	Operations Control Center
OSHAOccupational Health and Safety AdministrationPA/VMSPublic Address/Visual Messaging SignPCTLPrecast Concrete Tunnel LiningPEPreliminary EngineeringPERPermit Engineering Evaluation Report	OCR	Overhead Conductor Rail
PA/VMSPublic Address/Visual Messaging SignPCTLPrecast Concrete Tunnel LiningPEPreliminary EngineeringPEERPermit Engineering Evaluation Report		Overhead Catenary System
PCTLPrecast Concrete Tunnel LiningPEPreliminary EngineeringPEERPermit Engineering Evaluation Report		
PE Preliminary Engineering PEER Permit Engineering Evaluation Report		
PEER Permit Engineering Evaluation Report		Precast Concrete Tunnel Lining
5 5 1	PE	Preliminary Engineering
PIP Project Implementation Plan	PEER	Permit Engineering Evaluation Report
	PIP	Project Implementation Plan

LIST OF ABBREVIATIONS AND ACRONYMS (Cont.)

PLA PM PMOC PMP PR PSR QA QAR QC	Project Labor Agreement Project Manager Project Management Oversight Consultant Project Management Plan Project Report Project Study Report Quality Assurance Quality Assurance Report Quality Control
QPSR	Quarterly Project Status Report
RAMP	Real Estate Acquisition Management Plan
RCC	Regional Connector Contractors
RCMP	Risk Assessment Management Plan
RFC	Request For Change
RFP	Request For Proposals
RHA	Risk Hazard Analysis
ROC	Rail Operations Center
ROD	Record Of Decision
ROM	Rough Order of Magnitude
RON ROW	Resolution of Necessity Right-Of-Way
RSD	Revenue Service Date
SCAQMD	Southern California Air Quality Management District
SCADA	Supervisory Control and Data Acquisition
SCC	Standard Cost Category
SCG	Southern California Gas Company
SEIS	Supplemental Environmental Impact Statement
SHPO	State Historic Preservation Office
SIT	System Integration Testing
SOE	Support Of Excavation
SOQ	Statement of Qualification
SOV SOW	Schedule Of Values Statement Of Work
SP	Special Provision
SSMP	Safety and Security Management Plan
TBD	To Be Determined
ТВМ	Tunnel Boring Machine
тсс	Train Control Center
TCE	Temporary Construction Easement
TIFIA	Transportation Infrastructure Finance and Innovation Act
TIGER	Transportation Investment Generating Economic Recovery
TPSS	Traction Power Substation
TVA	Threat Vulnerability Analysis
TVM	Ticket Vending Machine
UFS	Universal Fare System

LIST OF ABBREVIATIONS AND ACRONYMS (Cont.)

- UST Underground Storage Tank
- USDOT United States Department Of Transportation
- VE Value Engineering
- WBS Work Breakdown Structure
- WP Work Package
- WTCP Worksite Traffic Control Plan
- YOE Year of Expenditure