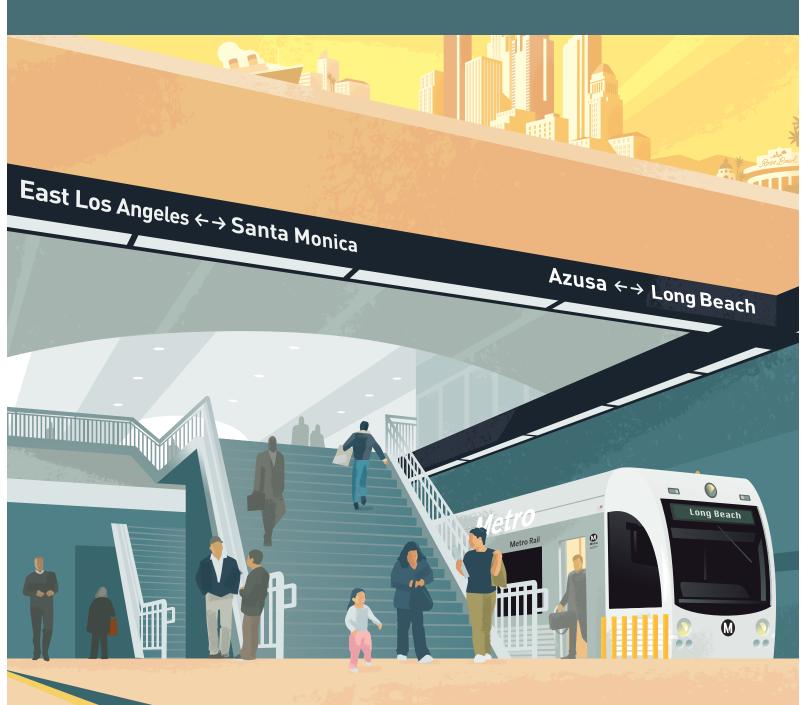
Regional Connector Transit Corridor





REGIONAL CONNECTOR TRANSIT CORRIDOR 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).

Regional Connector Transit Corridor Project Monthly Project Status Report

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PROJECT SUMMARY

As of November 2015

LOCATION: Downtown Los Angeles

DESIGN CONSULTANT: Connector Partnership JV CONSTRUCTION MANAGEMENT CONSULTANT: ARCADIS

CONTRACTORS: Regional Connector Constructors, Joint Venture

2nd/Broadw ay potholing excavation



WORK/ACTIVITY COMPLETED PAST MONTH

- As of Nov. 2015, DB construction is 5.4% and Final Design is 84.2% complete.
- Metro completed review of submittals for 100% Trackwork Drawings, 100% Design Bored Tunnels, Bored Tunnel SEM Cavern and Cross-passages Design, 2nd & Broadway Station 100%, Train Control 85% Design.
- RCC completed the removal of the pylon, canopy, map case, and TVM on the south end of Little Tokyo Station. In addition the south entrance was closed in preparation for the Bus Bridge #1.
- RCC executed a Full Closure on Central Ave to complete pile installation of street decking.
- RCC completed installation of the OCS foundation on EB 1st Street at Hew itt and Garev
- RCC completed DWP duct bank Lateral 5, 7 and 8 at 2nd/Spring.
- Verizon Business/MCI completed remaining work on Flower Street.

EXPENDITURE STATUS (\$ In Millions)

CURRENT **EXPENDED PERCENT ACTIVITIES BUDGET AMOUNT EXPENDED** DESIGN \$125.0 \$104.6 83.7% RIGHT-OF-WAY \$102.0 \$68.6 67.3% CONSTRUCTION 23.8% \$1,014.0 \$241.0 OTHER \$226.2 \$74.2 32.8% TOTAL 33.3% \$1.467.1 \$488.4

Current Budget reflects Board approved Life- of- Project Budget May 2014 and does not include Finance Charges. Revised LOP is in Dec. 2015 Board for approval. | Construction - Design / Build Contract Note: Expended amount is through 10/31/2015

SCHEDULE ASSESSMENT

	MAJOR SCHEDULE	PRIOR	CURRENT	VARIANCE WEEKS
	ACTIVITIES	PERIOD	PLAN	
	Environmental			
%	FEIS / FEIR	N/A	04/26/12	Complete
	SEIS Flow er St.	N/A	10/31/15	In Progress
%	Design			
	PE Notice to Proceed	N/A	01/04/11	Complete
%	Final Design complete	08/19/16	07/26/16	-3
	Note: Based on the latest	approved D/B	Contractor's so	chedule.
%				

Right-of-Way

06/01/16 06/01/16 All parcels available

Note: ROW dates are adjusted to reflect the latest D/B Contractor's coordinated need Dates. Duco Yard need date is in August 2018.

AREAS OF CONCERN

- · NEPA Law suits could potentially delay the construction of Design-Build Contract on Flow er Street. MTA and FTA completed SEIS (Supplemental Environmental Impact Statement) and issued it for public comments on June 12, 2015. FTA approval and amended SEIS is expected in Dec. 2015.
- Advanced Utility Relocation (AUR) Contract was terminated and transferred to C0980 Contract. Schedule mitigation measures are being implemented and alternative scenarios are identified by RCC, DWP and Metro. Major street closures are being coordinated with LABOE, LADOT and CD14. Metro and RCC are coordinating with DWP on the re-design and construction issues to mitigate construction schedule at Flow er, 2nd/Broadw ay and 1st/Central stations. Conceptual Schedule Recovery Plan has been developed and field work started at several locations

ROW ACQUISITION	PLAN	ACQUIRED	REMA INING
PERMANENT PARCELS	5	2	3
TEMPORARY PARCELS	29	12	17
TOTAL PARCELS	34	14	20

Notice to Proceed	07/07/14	07/07/14	Complete
Construction complete	03/02/21	03/31/21*	4
Revenue Service Date	05/01/21	05/29/21*	4

Note: * Based on the Board Meeting in April 2015, the project is reflecting five months delay due to contract milestones AUR work transferred to C0980 Contract and recovery.

CRITICAL ACTIVITIES / 3 MONTH LOOK AHEAD

- Metro continues to work with RCC and FLS committee to resolve emergency ventilation design issues.
- · RCC continues pile installation at 1st/Central Station.
- · RCC continues work on 1st Street EB and WB Widening.
- · RCC continues decking for the Shoofly Bridge and TBM Pit.
- RCC continues 6", 8", 12" and 16" water line construction activities at 1st/Alameda.
- · RCC continues with the installation of electrical duct banks at 2nd/Broadway Station area
- LADWP Pow er is scheduled to begin intercept, cable pulling and splicing at 2nd/Spring in Dec.2015.
- · Sprint is relocating the joint duct bank to accomodate installation of LADWP Vault 207 at 2nd/Broadw ay, which is scheduled to be completed in December 2015.
- · RCC will begin implementation of Bus Bridge #1 (January 2016).
- · Level 3 is planning to complet remaining work, cable pulling and splicing on Flow er St.

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 May 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 would 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 underground 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, a joint venture of Skanska USA Civil West California District, Inc. and Traylor Brothers, Inc. and Metro Board authorized to award 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

Level 3 Communications plans to install 60' of conduit connecting their duct bank to the relocated AT&T CA duct bank in Flower Street by mid-December 2015, and then in January 2016 place new cable, splice and remove old cable. MCI, as lessee in the AT&T CA joint trench in Flower Street, is scheduled to complete the pulling & splicing of their cable into the new AT&T CA joint trench and the removal of their old cable by mid-November 2015.

At 2nd & Broadway, Sprint is relocating their duct bank in order to accommodate the LADWP Vault 207 installation which is part of phase 1 on the LADWP power relocations. The Sprint relocation is scheduled to be completed by in-December 2015.

The Design Build Contractor still needs to complete AUR electrical work at 2nd/Broadway, which is the Phase 1 installation of conduit and vaults, but currently the work is on hold due to the pending relocation of the Sprint joint duct bank. Completion of Phase 1 electrical work by the Design Build Contractor is planned for late December 2015, after the Sprint joint duct bank has been relocated.

At 2nd & Spring Street, the Design Build Contractor is trenching and installing conduit at night, and the work is on track to be complete by the mid-November 2015. LADWP is currently scheduled to begin intercept, splicing and cable pulling on December 1, 2015.

Metro and RCC continue to finalize details for re-sequencing and recovery of station and tunnel construction work to mitigate delay to this work. Critical utility work is also progressing at 1st/Alameda and 5th and Flower Streets.

Systems

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 and reissued with each successive integration of the following rail line extensions including Crenshaw/LAX, Regional Connector and Purple Line.

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.

PROJECT OVERVIEW & STATUS (Cont.)

Program Management

The current budget was established in the April 2014 session of the Metro Board. The Board established a life-of-Project (LOP) budget of \$1,420,016,799 for the RCTC Project No. 860228 and also established a LOP budget of \$39,991,168 for a new RCTC Project No. 861228 for Concurrent Non-FFGA Project activities. The current project cost has been revised to \$1.46 billion dollars and includes \$24.2 million in environmental and planning costs and does not include \$7.1M finance cost.

Funding for the project comes from a variety of sources such as 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 -47% - comes from Federal New Starts.

The project commitments through November 2015 increased by \$312K to \$1.287 billion or 90.17% of the Current Budget. The increase is due to two RCC modifications.. The project expenditure through October 2015 is \$465.72 million or 32.6% of the current budget. The expenditures to date are for Engineering Management and continuation of Management Support Services, third party utility relocation work, agency administration, advanced utility relocation construction (C0981R), design build contract (C0980), right-of-way, Master Cooperative Agreements and professional services.

The project master schedule reflects a forecast of May2021 for Revenue Service, which will be executed in two phases. Phase 1 Revenue Service Date to Eastside is in December 2020 and phase II Revenue Service Date to Pasadena is in May 2021.

A Risk Register during PE phase was developed for the project and was updated quarterly during the early phases of the project to reflect any new risks that derive from concerns or issues. A more comprehensive Risk Register is developed and being reviewed and updated between Metro, CPJV, CMSS, RCC and FTA/PMOC monthly for the current phase of the project. Risk Management reporting will continue to be on a quarterly basis. Last risk assessment was conducted in February 2015 and reviewed with FTA/PMOC. Metro is planning to perform and coordinate a Risk Assessment in October 2015 and review the current schedule and cost status of the project.

MANAGEMENT ISSUES / OPPORTUNITIES

Concern No. 1: NEPA Law suits potentially delay the construction.

Status/Action The NEPA trial concluded on Feb. 24, 2014. In an order issued on May 29, 2014, Judge Kronstadt concluded the FEIS did not sufficiently discuss alternative tunneling methods. MTA is working with FTA to complete supplemental NEPA process and issue the SEIS by December 2015, before the D/B contractor is scheduled to commence cut-and-cover construction on Flower Street. *No impact is anticipated.*

Concern No. 2: AUR contract work has 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 in March 2021 and complete pre-revenue testing by the FFGA Revenue Service Date of May 29, 2021. Elements of this recovery plan are dependent upon obtaining various street closures for station and guidway construction and are being closely managed.

<u>Concern No.3:</u> Late submittals and City approvals of traffic control plans and shoring designs may impact critical path work at 1st/Central, 2nd/Hope, 2nd and Broadway Stations and Flower Street TBM retrieval shaft.

Status/Action Metro is working with RCC, LADOT and BOE to actively manage submission, quality review and approvals of required plans.

<u>Concern No.4</u>: Metro Operation has requested that the project implement a 15 mph alignment design at the Alameda Wye which has potential impact on the Project's Cost and Schedule.

Status/Action The request for a design change to incorporate a 15 mph curve in Mangrove has been withdrawn. Metro Operations agreed to 10 mph at wye junction. The contractor is proceeding with 10 mph design per contract scope.

MANAGEMENT ISSUES / OPPORTUNITIES (Cont.)

<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) 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 equitable adjustment to the Contract for elements associated with Super Fast Growth Rate/Arson Fire not required in C0980 Contractor's design (Potential Cost Reduction).

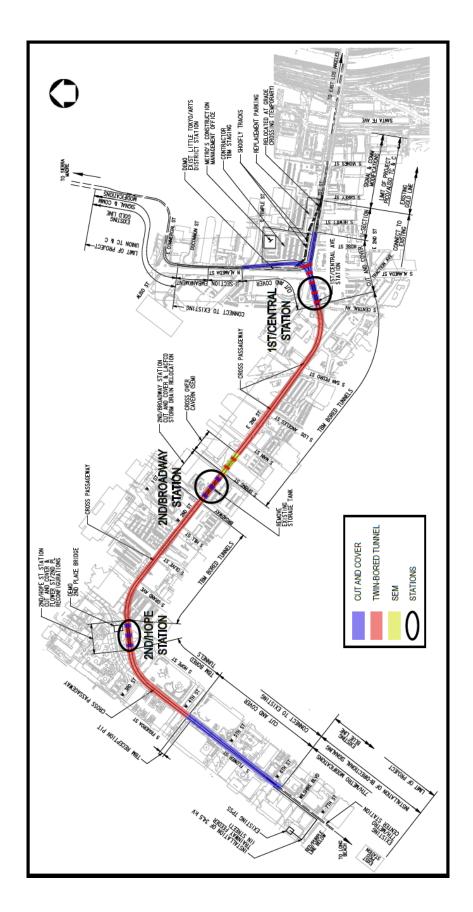
Opportunity No. 2: METRO/RCC is working with City Council District 14 and LADOT to secure approval for the closure/partial closure of the 2nd/Broadway intersection to facilitate construction of DWP utilities through that intersection. This full closure will last up to 7 months.

Status/Action: Traffic Control Plans and Traffic Management Plans submitted to LADOT for approval for full closure of 2nd/Broadway. Meanwhile, utility relocation work is continuing.

Opportunity No. 3: METRO/RCC is working to modify the phasing of the waterline installation at 1st/Alameda to eliminate the necessity of having all the water line relocation work completed prior to start of the TBM operations.

Status/Action: Phasing modification will reduce the amount of Water line relocation work associated with the Critical TBM operation activities (Schedule Recovery). RCC is currently collaborating on the phasing plan with LADWP.

PROJECT ALIGNMENT



BASE PROJECT SCOPE

Engineering

This phase consists of Preliminary Engineering (PE) 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 enough detail to provide the conceptual 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 on their own.

Final Design is being performed by the D/B contractor as part of the C0980 Contract.

Metro Furnished Equipment

Metro will procure Light Rail Vehicles and UFS equipment. Four Light Rail Vehicles for the Project will be procured and delivered by Kinkisharyo International, LLC under Option 2 of Contract P3010 and the vehicles would 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) Contract as follows:

Third Party Advanced Utility Relocations

A number of utility owners have already relocated and will continue relocating their own utilities. The utilities include fiber optic, telephone, cable television, electrical (power cable pulling and splicing), and natural gas lines, which 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.)

MCI completed splicing and removing old cable in mid-November 2015 and remaining work by Level 3 is expected to be completed by January 2016.

Completion dates for cable pulling, splicing and removal of old facilities for LADWP:

- Alameda/1st Streets and Flower north of 5th Street: Cable pulling, splicing and removal
 of old facilities is now complete with the exception of pulling cable for Lateral 3 at
 Alameda/1st Streets, which will eventually provide permanent power to the 1st/Central
 Avenue Station
- Flower south of 5th Street: LADWP intercept conduit installation and cable pulling, splicing and removal of old facilities is on hold until the Design Build Contractor investigate the potholing findings and provide a recommendation. to address construction conflict with the existing vault and duct bank at the intersection of Flower and 6th Street.
- 2nd and Broadway: Cable pulling, splicing and removal of existing facilities are driven by LADWP re-design of the power system route at Broadway Street. A two phase relocation solution has been agreed to. Early September 2015, LABOE partially approved 2nd Street duct bank mainline design for Phase 1. Target date for LADWP to begin intercept work is early January 2016.
- At 2nd & Spring Street, the Design Build Contractor is trenching and installing conduit at night, and the work is complete in November 2015. LADWP is currently scheduled to begin intercept, splicing and cable pulling in December 2015.

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, all system components including signaling, communications, traction power, overhead conductor rail, train control, communications, all electrical and mechanical equipment, and testing. The contractor will restore the site to its previous condition at the end of the project. The original duration of this contract is approximately 2300 calendar days, which includes approximately 300 days of bus bridges.

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 issues for the various stakeholders along the alignment. This contract was awarded May 6, 2014 and NTP issued July 7, 2014. Metro has exercised several contract options and is in the process of adding the remaining Advanced Utility Relocation work to C0980 Contract (see below C0981R Contract).

BASE PROJECT SCOPE (Cont.)

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 are long-lead construction tasks that are known to conflict with cut and cover excavations.

The scope of this work includes 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 is transferred to C0980 Contract. *Contract C0981R is currently in closeout and final payment processed.*

Contract MCO70 – Construction Management Support Services

Metro awarded the contract for Construction Management Support Services to ARCADIS, Inc. ARCADIS Project Manager and other staff are co-located with Metro at an integrated project management office located at the Mangrove site. At the April 2014 Board Meeting, the Board authorized the Chief Executive Officer to execute a contract modification to fund ARCADIS during FY15. A contract modification to ARCADIS was issued in June 2014. CMSS's (Arcadis) FY16 contract modification is included in July 2015 Board Report. *Board report is prepared for January 2016 for a contract modification through FY 2017.*

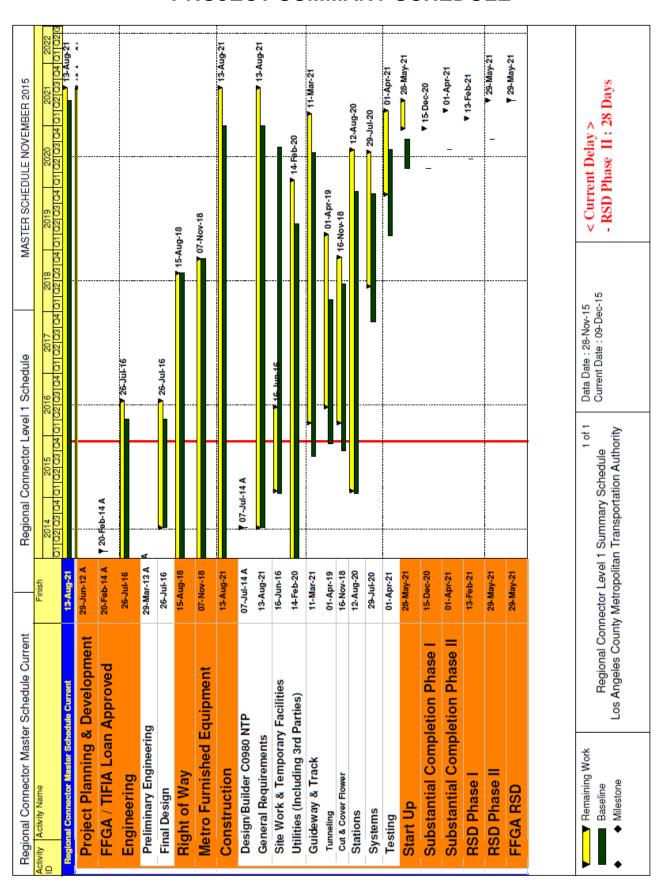
<u>Contract E0119 – Preliminary Engineering And Design Support Services During</u> Construction

Metro awarded this contract to a joint venture (CPJV) between AECOM, Inc. and Parsons Brinkerhoff. CPJV provided preliminary engineering services to support the EIR/EIS, prepared project definition documents for Contract C0980, and prepared the final design documents for Contract C0981. CPJV is currently performing design support during construction (DSDC) for the C0980 contract. CPJV's FY16 contract modifications are included in July 2015 Board Report.

KEY MILESTONES SIX- MONTH LOOK AHEAD

	ivillestone Date	Nov-15	Dec-15	Jan-15	Feb-15	Mar-16	Apr-16
Start 1st St EB/WB Widening	11/02/15						
2nd/Hope Station Package - 85% Design Submittal	11/13/15						
DU11 Train Control - 85% Design Submittal	11/16/15						
Central Ave Full Closure (Pile & Decking) Completed	11/22/15	\bigcirc					
Flower St/Alameda/WYE/Guideways - 100% Design Sub	11/23/15	\bigcirc					
Start Sprint Relocation on Broadway	12/07/15		∇				
DWP Power start power line relocation at 2nd St and Spring St	12/09/15		Δ				
1st/Central Station Package - 100% Design Submittal	12/18/15						
DU03A SEM/Crossover - 100% Design Submittal	01/07/16						
Start Gold Line Bus Bridge#1 (Shoofly Tie In)	01/09/16						
Start Full Closure at 2nd/Broadway Intersection	01/09/16						
Traffic Control Plan approved by LADOT for SOE work at Flower Street	01/15/16			Δ			
Traffic Control Plan approved by LADOT for SOE work at 2nd/Hope Station	01/16/16			Δ			
Civil Segment A (Flower to Hope) - 85% Design Submittal	01/26/16						
2nd/Hope Station Package - 100% Design Submittal	02/02/16						
DU09 OCS Package - AFC Submittal Approved	02/19/16				•		
2nd/Broadway Station Package - 100% Design Submittal	03/02/16						
1st/Central Station Package - AFC Submittal Approved	03/07/16					•	
DU03A SEM/Crossover - AFC Submittal Approved	03/14/16					♦	
2nd/Hope Station Package - AFC Submittal Approved	04/29/16						♦
MTA Staff MTA Board Action	T FTA	(Federal Tr	ansit Admi	nistration)			
△ Other Agencies ☐ Contractors	O Design Consulta	ant (C0980	D/B Cont	ractor		
"A" following date is actual and completed	* New	7	Utility	Company			

PROJECT SUMMARY SCHEDULE

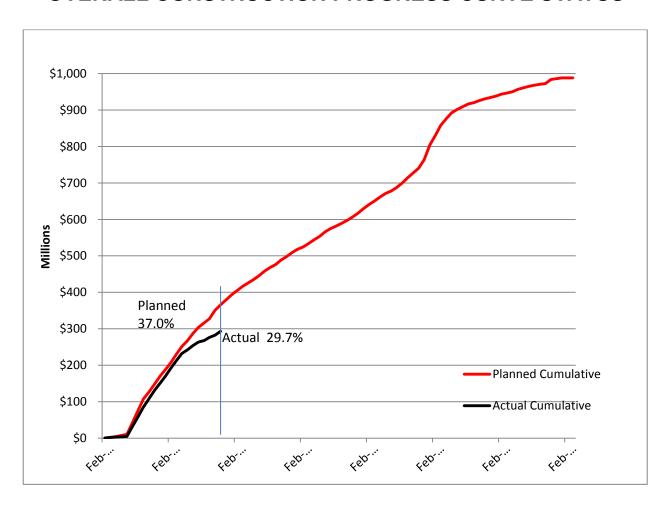


SCHEDULE MEASUREMENTS

	Status	Change from Last	Comment
Forecast Revenue Service	5/29/2021	28CD	Incorporating partial impact resulting from additional AUR work transferred to RCC
TIFIA Revenue Service	5/29/2021	None	
FFGA Revenue Service	5/29/2021	None	
Final Design Progress :			
Contract C0980	84.2%	2.4%	4 months Behind
Construction Contracts Progress:			
Contract C0981R	100%		Termination for Convenience (4/14/2015). Contract in closeout
Contract C0980	5.4%	0.8%	5 months behind (Compare 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.

OVERALL CONSTRUCTION PROGRESS CURVE STATUS



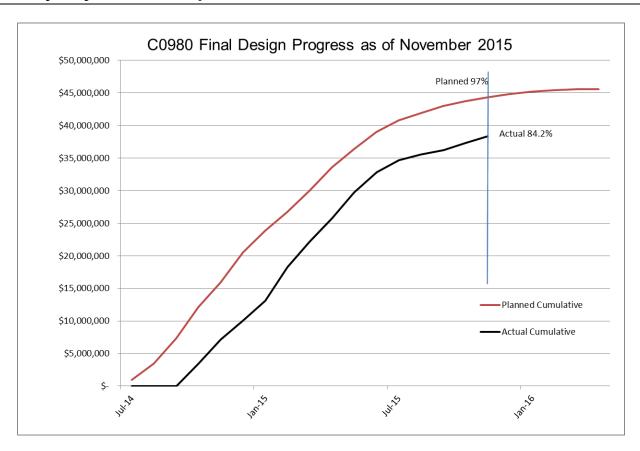
The above progress curve is based on planned expenditures of C0980 (Design-Build and C0981 (AUR) Baseline Schedule and actual expenditures.

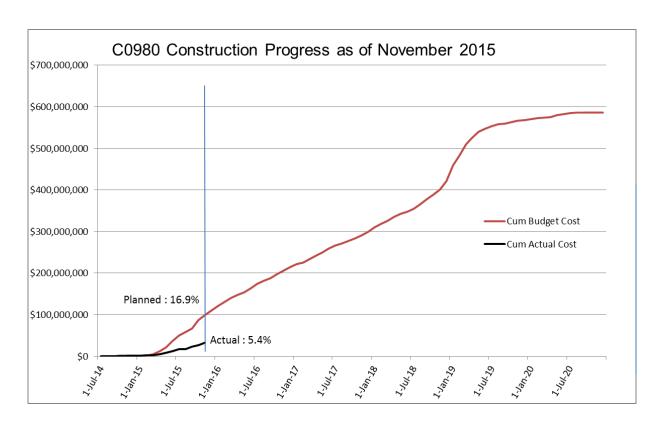
The cumulative overall construction progress for C0980 & C0981R Contract is 29.7%.

Contract C0981R was terminated for convenience on April 14th, 2015, and is going through final payment and closeout.

Final Design for C0980 commenced upon MTA issuing NTP on July 7, 2014. Cumulative final design progress is 84.2% and the cumulative construction progress is 5.4%.

Regional Connector Transit Corridor Project Monthly Project Status Report





MAJOR EQUIPMENT DELIVERY STATUS

Tunnel Boring Machine

RCC, the design-builder for C0980, will design and procure 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	11/10/2015	7/8/2016
TBM REBUILD	12/24/2015	2/26/2016
VERIFIED ASSEMBLY / TEST OF TBM AT FABRICATION SHOP	1/18/2016	3/18/2016
FAB/DELIV TBM MACHINE TO SITE	2/17/2016	4/19/2016
VERIFIED TBM SHIPPED TO SITE	2/18/2016	4/20/2016

^{*} A: the date is actual and completed

Note: Metro team would be at the TBM assembly site during testing from 1/13/16 to 1/15/16.

Light Rail Vehicles

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. 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 (TAP) is coordinating with RCC for installation and testing schedule.

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

Activity Name	Early Finish	Need Date
PROCURE ARBORIST SUBCONTRACTOR	1-Aug-15	24-Apr-15
PROCURE MOT DESIGNER	1-Aug-15	16-Mar-15
PROCURE FENCE SUBCONTRACTOR	1-Aug-15	1-Jun-15
PROCURE SAWCUT SUBCONTRACTOR	1-Aug-15	6-Feb-15
PROCURE HAUL SUBCONTRACTOR	1-Aug-15	19-Mar-15
PROCURE READY MIX SUPPLIER - POTHOLING	1-Aug-15	6-Feb-15
PROCURE WELD SUBCONTRACTOR	1-Aug-15	3-Jun-15
PROCURE READY MIX SUPPLIER - STRUCTURAL CONC.	1-Aug-15	21-Dec-15
PROCURE PRE/POST CONSTRUCTION SURVEY SUBCONTRACTOR	1-Aug-15	14-Apr-15
PROCURE DESIGN (TOPOGRAPHIC) SURVEY SUBCONTRACTOR	1-Aug-15	3-Mar-15
PROCURE SWEEPER TRUCK PURCHASE ORDER	1-Aug-15	6-Feb-15
PROCURE PORTABLE TOILET PURCHASE ORDER	1-Aug-15	6-Feb-15
PROCURE ROLL-OFF DUMPSTER PURCHASE ORDER	1-Aug-15	6-Feb-15
PROCURE NOISE BARRIER PURCHASE ORDER	1-Aug-15	7-Jul-15
PROCURE ENVIRONMENTAL CONSULTANT	1-Aug-15	6-Feb-15
PROCURE NOISE & VIBRATION CONSULTANT	1-Aug-15	6-Feb-15
PROCURE GEOTECHNICAL INSTRUMENTATION SUBCONTRACTOR	1-Aug-15	18-Jun-15
PROCURE CLEARING SUBCONTRACTOR	1-Aug-15	17-Jun-15
PROCURE BUILDING PROTECTION GROUTING SUBCONTRACTOR	1-Aug-15	18-Sep-15
PROCURE NOISE BARRIER SUBCONTRACTOR	1-Aug-15	7-Jul-15
PROCURE ROADSIDE SIGNS SUBCONTRACTOR	1-Aug-15	6-Feb-15
PROCURE BIOLOGIST SUBCONTRACTOR	1-Aug-15	24-Apr-15
PROCURE TRACK SUBCONTRACTOR - SHOOFLY	1-Aug-15	29-Jun-15
PROCURE SHORING PURCHASE ORDER	1-Aug-15	22-May-15
PROCURE H-PILE PURCHASE ORDER	1-Aug-15	3-Jun-15
PROCURE AC PURCHASE ORDER	1-Aug-15	13-Mar-15
PROCURE BASE PURCHASE ORDER	1-Aug-15	13-Mar-15
FAB/DELIVER DECK BEAMS - MANGROVE LAUNCH PIT	1-Aug-15	3-Jun-15
FAB/DELIVER SHORING BEAMS - MANGROVE LAUNCH PIT	1-Aug-15	3-Jun-15
PROCURE TRACK - TEMP SHOOFLY	1-Aug-15	17-Dec-15
PROCURE SHORING PURCHASE ORDER - MANGROVE (deleted)	1-Aug-15	1-Mar-21
PROCURE CONCRETE PUMP (deleted)	1-Aug-15	1-Mar-21
EXECUTE PURCHASE ORDER - RAIL CAR TRANSPORTER - MOD #00011.1	1-Aug-15	13-Jul-15
FAB/DELIV PRECAST TUNNEL LINER MOLDS	1-Aug-15	1-Aug-15
PROCURE STEINY CONTRACT	7-Aug-15	11-Jun-15
PROCURE MASS CONTRACT	7-Aug-15	11-Jun-15
PROCURE PRECAST DECK PANEL PURCHASE ORDER	7-Aug-15	20-Aug-15
PROCURE PIPE (RCP) PURCHASE ORDER	7-Aug-15	19-Aug-15
PROCURE PIPE (WSP) PURCHASE ORDER	7-Aug-15	18-Mar-15
PROCURE PRECAST SANITARY SEWER STRUCTURE PURCHASE ORDER	14-Aug-15	25-Jun-15
PROCURE TIMBER LAGGING PURCHASE ORDER	14-Aug-15	7-Aug-15

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

Activity Name	Early Finish	Need Date
FAB/DELIVER - RAIL CAR TRANSPORTER - MOD #00011.1	21-Aug-15	19-Nov-15
PROCURE TRACK SUBCONTRACTOR - PERMANENT	28-Aug-15	26-Jun-15
TRAINING - RAIL CAR TRANSPORTER - MOD #00011.1	28-Aug-15	30-Nov-15
PROCURE HAZARDOUS HAULING SUBCONTRACTOR	4-Sep-15	9-Sep-15
FAB/DELIVER PIPE STRUTS - 1ST/CENTRAL	11-Sep-15	9-Aug-15
FAB/DELIVER PIPE STRUTS - MANGROVE LAUNCH PIT	11-Sep-15	13-Jan-16
FAB/DELIVER WALES - 1ST/CENTRAL	11-Sep-15	9-Aug-15
FAB/DELIVER WALES - MANGROVE LAUNCH PIT	11-Sep-15	13-Jan-16
FAB/DELIVER SHORING BEAMS - 1ST/CENTRAL	19-Sep-15	12-Jul-15
FAB/DELIVER SHORING BEAMS - 2ND/BROADWAY	19-Sep-15	26-Jul-15
FAB/DELIVER SHORING BEAMS - 2ND/HOPE	19-Sep-15	3-Nov-15
FAB/DELIVER SHORING BEAMS - FLOWER ST	19-Sep-15	25-Oct-15
FAB/DELIVER DECK PANELS - 1ST/CENTRAL	26-Sep-15	9-Oct-15
FAB/DELIVER WALES & STRUTS - 1ST/CENTRAL STA - MOD 00018	2-Oct-15	2-Oct-15
FAB/DELIVER DECK BEAMS - 1ST/CENTRAL	4-Oct-15	23-Aug-15
FAB/DELIVER DECK BEAMS - 2ND/BROADWAY	4-Oct-15	23-Aug-15
PROCURE PLUMBING SUBCONTRACTOR	9-Oct-15	14-Jan-16
PROCURE STRIPE SUBCONTRACTOR	12-Oct-15	2-Jul-15
FAB/DELIVER PIPE STRUTS - 2ND/BROADWAY	23-Oct-15	16-Oct-15
FAB/DELIVER WALES - 2ND/BROADWAY	23-Oct-15	16-Oct-15
PROCURE CAULKING & SEALANTS SUBCONTRACTOR	26-Oct-15	8-Feb-19
PROCURE PIPE (DIP) PURCHASE ORDER	26-Oct-15	10-Jun-15
PROCURE PIPE (PVC) PURCHASE ORDER	26-Oct-15	25-Jun-15
PROCURE PIPE (VCP) PURCHASE ORDER	26-Oct-15	25-Jun-15
FAB/DELIV OCS POLES / EQUIPMENT - SHOOFLY	26-Oct-15	21-Dec-15
FAB/DELIV TRAIN CONTROL CABLE - SHOOFLY	26-Oct-15	11-Dec-15
FAB/DELIV TRAIN CONTROL EQUIPMENT - SHOOFLY	26-Oct-15	24-Dec-15
PROCURE CIP SD STRUCTURE SUBCONTRACTOR	29-Oct-15	15-Dec-15
PROCURE PRECAST COMM STRUCTURE PURCHASE ORDER	5-Nov-15	9-Jan-19
PROCURE RAIL SUBCONTRACTOR	9-Nov-15	17-Dec-15
PROCURE CATHODIC PROTECTION SUBCONTRACTOR	18-Nov-15	18-Dec-15
PROCURE REBAR SUBCONTRACTOR	23-Nov-15	5-Jan-16
PROCURE HDPE LINER SUBCONTRACTOR	23-Nov-15	18-Dec-15
PROCURE PLATE PURCHASE ORDER	23-Nov-15	21-Aug-15
PROCURE PRECAST ELEC STRUCTURE PURCHASE ORDER	23-Nov-15	14-Nov-18
PROCURE TIE-BACK SUBCONTRACTOR	2-Dec-15	9-Feb-16
FAB/DELIVER PIPE STRUTS - FLOWER ST	4-Dec-15	29-Dec-15
FAB/DELIVER WALES - FLOWER ST	4-Dec-15	29-Dec-15
FAB/DELIVER DECK BEAMS - 2ND/HOPE	8-Dec-15	2-Jan-16
FAB/DELIVER DECK BEAMS - FLOWER ST	8-Dec-15	2-Jan-16
PROCURE REBAR - FLOWER ST C/C	6-Jan-16	5-Dec-17

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

Activity Name	Early Finish	Need Date
PROCURE HDPE - FLOWER ST C/C	6-Jan-16	15-Nov-17
FAB/DELIVER PIPE STRUTS - 2ND/HOPE	15-Jan-16	9-Feb-16
FAB/DELIVER WALES - 2ND/HOPE	15-Jan-16	9-Feb-16
FAB/DELIV PRECAST TUNNEL LINER SEGMENTS	27-Jan-16	21-Jun-17
PROCURE BALLASTED TRACK - NORTH ALAMEDA LEG	22-Feb-16	17-Dec-15
PROCURE MSE PANEL PURCHASE ORDER	3-Mar-16	28-Apr-20
PROCURE TUNNEL LIGHTING & VENTILATION SUBCONTRACTOR	4-Mar-16	23-Jul-18
PROCURE RAIL - JOBWIDE	23-Mar-16	19-Oct-18
PROCURE SPECIAL TRACK - JOBWIDE	23-Mar-16	4-Feb-19
PROCURE NEW 115RE RAIL - STANDARD RAIL	23-Mar-16	19-Oct-18
PROCURE NEW 115RE RAIL - HIGH STRENGTH RAIL	23-Mar-16	19-Oct-18
PROCURE PIPE SPECIALTY STORM DRAIN PIPE PURCHASE ORDER	18-Apr-16	2-Dec-19
PROCURE LANDSCAPING SUBCONTRACTOR	16-May-16	19-Mar-20
PROCURE AC SUBCONTRACTOR	2-Jun-16	5-Apr-19
FAB/DELIV GLAZING SPIDERS - ALL STATIONS	6/6/2016	6/6/2016
FAB/DELIV LIGHT FIXTURES - CENTRAL STA	6/14/2016	29-May-19
FAB/DELIV EDGE LIGHTING - CENTRAL STA	6/14/2016	11-Mar-19
FAB/DELIV LIGHT FIXTURES - BROADWAY STA	8/9/2016	18-Jun-19
FAB/DELIV EDGE LIGHTING - BROADWAY STA	8/9/2016	1-May-19
PROCURE RAIL - FLOATING SLAB MATERIALS	8/10/2016	8/10/2016
PROCURE LIGHTWEIGHT BACKFILL SUBCONTRACTOR	8/16/2016	17-Dec-18
PROCURE MILLING SUBCONTRACTOR	8/16/2016	5-Apr-19
PROCURE PCC PAVING SUBCONTRACTOR	8/16/2016	5-Apr-19
PROCURE ARCHITECTURAL PRECAST PAVER SUBCONTRACTOR	8/16/2016	18-Jun-19
PROCURE GRANITE STONEWORK SUBCONTRACTOR	8/16/2016	12-Apr-19
PROCURE MASONRY SUBCONTRACTOR	8/16/2016	23-Nov-18
PROCURE PRECAST STRUCTURAL ELEMENTS SUBCONTRACTOR	8/16/2016	2-May-19
PROCURE ARCHITECTURAL CONCRETE PAVING SUBCONTRACTOR	8/16/2016	29-Mar-19
PROCURE DOORS & HARDWARE SUBCONTRACTOR	8/16/2016	4-Apr-19
PROCURE DRYWALL & FRAMING SUBCONTRACTOR	8/16/2016	22-Jul-19
PROCURE ELEVATORS SUBCONTRACTOR	16-Aug-16	12-Jun-17
PROCURE ESCALATORS SUBCONTRACTOR	16-Aug-16	1-Aug-17
PROCURE FIRE PROTECTION SUBCONTRACTOR	16-Aug-16	16-Jul-18
PROCURE FLOORING SUBCONTRACTOR	16-Aug-16	5-Aug-19
PROCURE GLAZING SUBCONTRACTOR	16-Aug-16	12-Apr-19
PROCURE HVAC SUBCONTRACTOR	16-Aug-16	6-Feb-19
PROCURE METAL CEILING SUBCONTRACTOR	16-Aug-16	30-May-19
PROCURE PAINT SUBCONTRACTOR	16-Aug-16	23-Apr-19
PROCURE SHEET METAL SUBCONTRACTOR	16-Aug-16	13-Jun-19
PROCURE SPRAY ON ACCOUSTICAL FINISH SUBCONTRACTOR	16-Aug-16	7-May-19
PROCURE STAINLESS STEEL SUBCONTRACTOR	16-Aug-16	3-Apr-19

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

Activity Name	Early Finish	Need Date
PROCURE STATION SIGNS SUBCONTRACTOR	16-Aug-16	1-Aug-19
PROCURE STEEL (PERMANENT) SUBCONTRACTOR	16-Aug-16	20-Feb-19
PROCURE TERRAZZO SUBCONTRACTOR	16-Aug-16	1-Aug-19
PROCURE TILE SUBCONTRACTOR	16-Aug-16	19-Apr-19
PROCURE FLUID APPLIED WATERPROOFING SUBCONTRACTOR	16-Aug-16	15-Mar-19
FAB/DELIV LIGHT FIXTURES - HOPE STA	16-Aug-16	25-Apr-19
FAB/DELIV EDGE LIGHTING - HOPE STA	16-Aug-16	20-Mar-19
ELEVATOR COORDINATION DRAWINGS - 1ST/CENTRAL	4-Nov-16	31-Aug-17
ESCALATOR COORDINATION DRAWINGS - 1ST/CENTRAL	4-Nov-16	20-Oct-17
FAB/DELIV HIGH VOLTAGE DISCONNECT - 1ST & CENTRAL	9-Nov-16	12-Apr-19
FAB/DELIV 2ND/HOPE UNIT SUBSTATION AND TRANSFORMER	16-Dec-16	21-Aug-19
FAB/DELIV 2ND/BROADWAY UNIT SUBSTATION AND TRANSFORMER	16-Dec-16	23-Sep-19
ASSEMBLY OF THE TBM AND BACKUP EQUIP / INST FIRST 10 RINGS	27-Dec-16	27-Dec-16
FAB/DELIV EMERGENCY VENTILLATION FANS - CENTRAL (4)	17-Jan-17	12-Apr-19
FAB/DELIV EMERGENCY BOOSTER FANS (12)	17-Jan-17	7-Jun-19
FAB/DELIV EMERGENCY VENTILLATION FANS - BROADWAY (4)	17-Jan-17	5-Jun-19
FAB/DELIV EMERGENCY VENTILLATION FANS - HOPE (4)	17-Jan-17	12-Apr-19
ELEVATOR COORDINATION DRAWINGS - 2ND/BROADWAY	23-Jan-17	19-Nov-17
ESCALATOR COORDINATION DRAWINGS - 2ND/BROADWAY	23-Jan-17	8-Jan-18
ELEVATOR COORDINATION DRAWINGS - 2ND/HOPE	13-Apr-17	7-Feb-18
ESCALATOR COORDINATION DRAWINGS - 2ND/HOPE	13-Apr-17	29-Mar-18
FAB/DELIV TRAIN CONTROL CABLE	28-Jul-17	13-Apr-18
FAB/DELIV OCS POLES / EQUIPMENT	14-Aug-17	17-May-19
FAB/DELIV OCR FOR TUNNEL	14-Aug-17	29-May-19
FAB/DELIV ELEVATORS - 1ST/CENTRAL	4-Nov-17	1-Apr-19
FAB/DELIV ESCALATORS - 1ST/CENTRAL	4-Nov-17	15-May-19
FAB/DELIV 2ND/HOPE TPSS	5-Jan-18	31-Dec-18
FAB/DELIV ELEVATORS - 2ND/BROADWAY	23-Jan-18	5-Feb-19
FAB/DELIV ESCALATORS - 2ND/BROADWAY	23-Jan-18	22-Jan-19
FAB/DELIV ELEVATORS - 2ND/HOPE	13-Apr-18	7-Feb-19
FAB/DELIV ESCALATORS - 2ND/HOPE	13-Apr-18	29-Mar-19
FAB/DELIV TRAIN CONTROL EQUIPMENT	14-Aug-18	30-Apr-19
FAB/DELIV 2ND/BROADWAY TPSS	27-Sep-18	23-Sep-19

November 2015

CRITICAL PATH NARRATIVE

Critical Path (C0980):

Master Schedule shows the following critical path:

The longest path to project substantial completion runs through the final design and key submittals by C0980; excavation support system and tunnel final designs; 1st and Alameda Wye junction excavation; 1st/Central Station excavation to track level; tunnel mining; 2nd/Broadway Station excavation to track level; tunnel finish, wye structure at 1st and Alameda; construct guideway, track, OCS and OCR and train control; systems integration testing Phase I and II; and Pre-Revenue Operations Phase I and II.

Note:

- 1. Several contract options were exercised by Metro as per contract, which are incorporated into the schedule. Design Builder's current schedule including exercised options does not show any change to contract milestones as a result of the options.
- 2. 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 Linear Recovery Schedule was prepared by RCC. A detail schedule incorporating the AUR work and mitigation/recovery measures is being prepared by RCC to be submitted by mid-January 2016 to maintain the FFGA Revenue Service Date (RSD) of May 29, 2021.

SCHEDULE CONTINGENCY DRAWDOWN

Due to AUR work delays and transfer of work scope to C0980 contract, the schedule milestones and contingency are being re-evaluated and will be reflected in the master schedule once the plan is submitted and approved by Metro.

A cost and risk assessment was started in September 2015 to evaluate project contingency needs. Metro is working with FTA/PMOC and Risk Assessment team on the allocation of FFGA/Non-FFGA cost elements followed by a formal risk assessment report. Metro is planning to maintain FFGA-RSD of May 29, 2021.

PROJECT COST STATUS

COST	NAL CONNECTOR TRANSIT CORRIDOR PROJECT (860228) REPORT IRS IN THOUSANDS											
SCC	DESCRIPTION	FFGA BUDGET	ORIGINAL BUDGET	CURREN'	T BUDGET				EXPENDITURES		RRENT ECAST	BUDGET/ FORECAST
				PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	VARIANCE
	GUIDEWAYS & TRACK ELEMENTS	280,622	204,691	0	227,979	0	227,979	775	-,	0		-2,130
20	STATIONS, STOPS, TERMINNALS, INTERNODAL	354,268	219,477	0	229,779	0	229,779	72	278	0	229,824	-45
30	SUPPORT FACILITIES: YARDS, SHOPS, ADMIN, BLDGS	0	0	0	0	0	0	0	0	0	-	0
	SITEWORK & SPECIAL CONDITIONS	141,785	422,453	0	471,867	24	463,813	7,138	227,637	0	,	-3,960
50	SYSTEMS	69,667	73,848	0	73,848		63,265	0	0	0	,	990
	CONSTRUCTION SUBTOTAL (10-50)	846,343	920,468	0	1,003,474	24	984,836	7,985	240,996	0	1,010,598	-5,145
60	ROW, LAND, EXISTING IMPROVEMENTS	115,889	74,208	0	74,208		73,820	0	46,030		,=	0
70	VEHICLES	16,275	16,275	0	16,275		2,000	0	0	0	,	0
80	PROFESSIONAL SERVICES	261,455	257,973	0	264,204		201,933	3,258		0		-980
	SUBTOTAL (10-80)	1,239,963	1,268,925	0	1,358,162	312	1,262,589	11,243	441,082	0	1,366,266	-6,125
90	UNALLOCATED CONTINGENCY	135,399	126,892	0	37,655	0	0	0	0	0	29,551	8,105
100	FINANCE CHARGES	27,571	7,115	0	7,115		0	0	0	0	.,	0
	TOTAL PROJECTS 460228 & 860228 (10-100)	1,402,932	1,402,932	0	1,402,932		, . ,	11,243		0	.,.02,002	1,980
	ENVIRONMENTAL/PLANNING - 400228		6,075	0	6,075		6,075	0	6,075	0	6,075	0
	ENVIRONMENTAL/PLANNING - 460228		18,125	0	18,125	0	18,125	11	18,561	0	18,625	-500
	TOTAL PROJECTS 400228 & 460228 (EVN/PLAN'G)	0	24,200	0	24,200	0	24,200	11	24,635	0	24,700	-500
										_		
	400228, 460228, 860228 TOTAL	1,402,932	1,427,132	0	1,427,132	312	1,286,789	11,254	465,718	0	1,427,632	1,480

NOTE: EXPENDITURES ARE CUMULATIVE THROUGH 10/31/2015

PROJECT COST ANALYSIS

Original Budget:

The Original Budget of \$1.43 billion reflects the Board approved Life-of-Project (LOP) budget on April 24, 2014 plus Finance Charges of \$7.1 million.

Current Budget:

There is no increase in Life of Project budget this period;. A revised LOP Budge is prepared and submitted to Metro Board December 2015 for approval. Any adjustments approved by the Board would be reflected in December report.

Commitments:

The Commitments increased by \$312K this period at \$1.287 billion which represent 90.17% of the Current Budget. Right of Way (ROW) amount shown under Commitments are the obligated numbers; expenditures as of this period is \$46.01 million.

Expenditures:

The Expenditures are cumulative through October 2015. The Expenditures increased by \$11.25 million this period for costs associated with C0980 Design Build contract, C0981R 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 \$465.72 million in expenditures to date represents 32.6% of the Current Budget.

Current Forecast:

There is no change to Forecast for this period.

PROJE CT COST STATUS (Cont.)

CONCURRENT NON-FFGA ACTIVITIES (861228)

PROJECT COST STATUS BY FTA SCC

DOLLARS IN THOUSANDS

SCC	Description	ORIGINAL BUDGET	BUDGET BUDGET		EXPENDITURES		CURRENT FORECAST		BUDGET / FORECAST		
			PERIOD	TO	PERIOD	TO	PERIO	TO DATE	PERIO	TO	VARIANCE
10	GUIDEWAYS & TRACK ELEMENTS	-	0	0	0	0	0	0	0	0	0
20	STATIONS, STOPS, TERMINNALS, INTERNODAL		0	0	0	0	0	0	0	0	0
30	SUPPORT FACILITIES: YARDS, SHOPS, ADMIN, BLDGS	10,480	10,480	10,480	0	10,480	0	0	0	10,480	0
40	SITEWORK & SPECIAL CONDITIONS	0	0	0	0	0	0	0	0	0	0
50	SYSTEMS	0	0	0	0	0	0	0	0	0	0
	CONSTRUCTION SUBTOTAL (10-50)	10,480	10,480	10,480	0	10,480	0	0	0	10,480	0
60	ROW, LAND, EXISTING IMPROVEMENTS	27,748	27,748	27,748	0	27,748	0	22,551	0	27,748	0
70	VEHICLES	0	0	0	0	0	0	0	0	0	0
80	PROFESSIONAL SERVICES	650	650	650	0	650	12	83	0	650	0
	SUBTOTAL (10-80)	38,878	38,878	38,878	0	38,878	12	22,634	0	38,878	0
90	UNALLOCATED CONTINGENCY	1,113	1,113	1,113	0	0	0	0	0	1,113	0
100	FINANCE CHARGES	0	0	0	0	0	0	0	0	0	0
	TOTAL PROJECTS 861228 (10-100)	39,991	39,991	39,991	0	38,878	12	22,634	0	39,991	0
	861228 TOTAL	39,991	39,991	39,991	0	38,878	12	22,634	0	39,991	0

NOTE: EXPENDITURES ARE CUMULATIVE THROUGH 10/31/2015

PROJECT COST ANALYSIS

Original Budget, Current Budget, and Current Forecast:

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

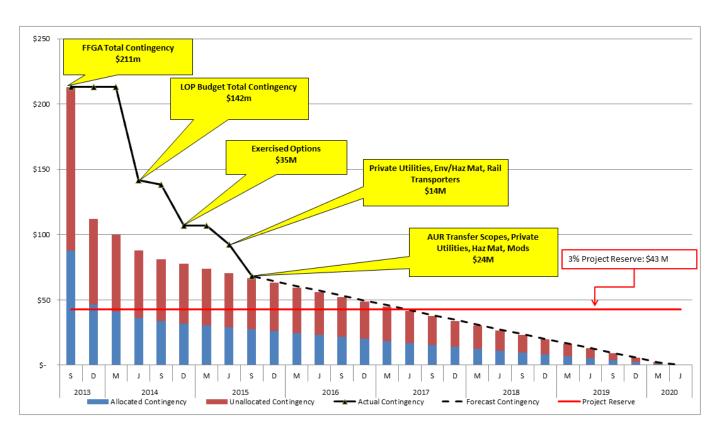
Commitments:

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 as of this period are \$22.6 million.

Expenditures:

There was a \$12k Expenditure incurred in this period. The \$22.63 million in expenditures to date represents 56.6% of the Current Budget.

COST CONTINGENCY DRAWDOWN



Note: this chart would be re-evaluated and adjusted based on the project contingency and LOP, which is submitted to December 2015 Metro Board.

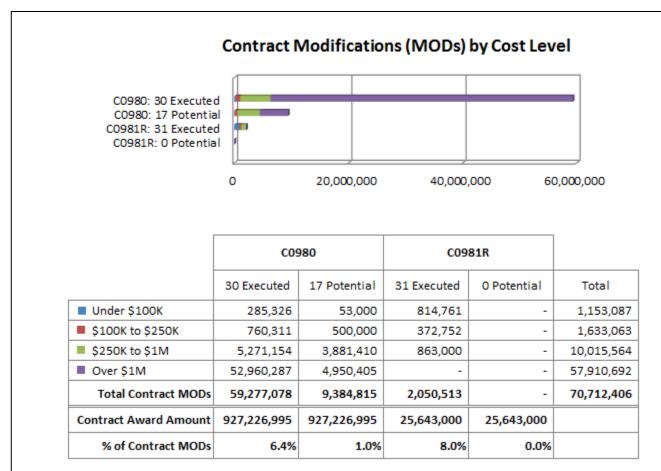
COST CONTINGENCY DRAWDOWN ANALYSIS

The Regional Connector Transit Corridor Project of \$1.42 billion includes an "unallocated contingency" amount of \$37.66 million, which is included as a separate Standard Cost Category (SCC) element. Also included within the current budget is an "allocated contingency" of \$14.8 million allocated to ROW, \$8.96 million for Transfer of AUR scope of work to C0980 Contractor and \$6.1 million allocated for Private Utilities, C0981R AUR Contract, Environmental Mitigation & Hazardous Materials. The remaining project cost contingency is \$67.51 million or 4.81 % of total project cost.

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

The project contingency drawdown curve is being re-evaluated based on the project contingency and LOP analysis. Cost risk assessment started in September 2015 to determine project contingency need.

SUMMARY OF CONTRACT MODIFICATIONS



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

31 changes with a total value of \$2.051 million have been executed since execution of Contract C0981R.

30 changes with total value of \$59.28 million have been executed since execution of Contract C0980 and 17 potential changes with a total value of \$9.38 million is pending.

DISADVANTAGED BUSINESS ENTERPRISE (DBE) STATUS

Contract C0980 Regional Connector Transit Corridor Design-Build

- DBE Goal Design: 20%
- Current DBE Commitment Design: \$11,001,257 (22.63%)
- Current DBE Participation: 17.87%
- Twenty (20) Design DBE sub-consultants have been identified to date
- DBE Goal Construction: 18%
- Current DBE Commitment Construction: \$167,219,576 (18%)
- Current DBE Participation: 9.11%
- Thirty (38) 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 -	40.0%
	Targeted Worker Current Participation -	59.04%

- Apprentice Worker Goal 20.0%
 Apprentice Worker Current Participation 15.28%
- Disadvantaged Worker Goal 10.0%
 Disadvantaged Worker Current Participation 11.26%

FINANCIAL/GRANT STATUS

Status of Funds Anticipated

November 2015

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
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. FIRST DISBURSEMENT OF \$61,864,368 RESCHEDULED TO 4TH QUARTER OF FY 16.
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 PROPOSED PAYMENT SCHEDULE IS DUE TO BEGIN IN FY 2016.

Status of Funds by Source

November 2015

SOURCE	(A) ORIGINAL BUDGET	(B) TOTAL FUNDS	(C) TOTAL FUNDS	(D) (D/B) COMMITMENTS		(E) (E/B) EXPENDITURES		(F) (F/B) BILLED TO FUNDING SOURCE	
		ANTICIPATED	AVAILABLE	\$	%	\$	%	\$	%
FEDERAL - CMAQ	\$64.000	\$64.000	\$64.000	\$64.000	100%	\$40.777	64%	\$40.777	64%
FEDERAL - SECTION 5309 NEW STARTS	\$669.900	\$669.900	\$165.000	\$669.900	100%	\$92.546	14%	\$92.546	14%
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%	\$19.411	12%	\$19.411	12%
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%	\$131.629	97%	\$103.715	77%
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	\$152.906	\$152.906	\$125.925	82%	\$63.891	42%	\$63.891	42%
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	\$0.000	\$0.000	0%	\$0.000	0%	\$0.000	0%
LEASE REVENUE	\$64.247	\$64.247	\$0.000	\$0.000	0%	\$0.000	0%	\$0.000	0%
TOTAL	\$1,427.132	\$1,427.132	\$634.470	\$1,286.789	90.2%	\$465.718	32.6%	\$437.804	30.7%

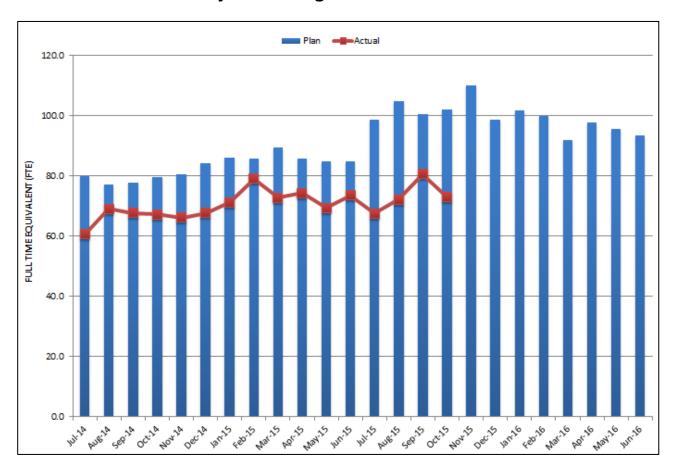
EXPENDITURES ARE CUMULATIVE THROUGH OCTOBER 2015 ORIGINAL BUDGET BASED ON FUNDING PLAN INCLUDED IN THE APPROVED FULL FUNDING GRANT AGREEMENT

^{*} 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 STATUSTotal Project Staffing – Metro and Consultants



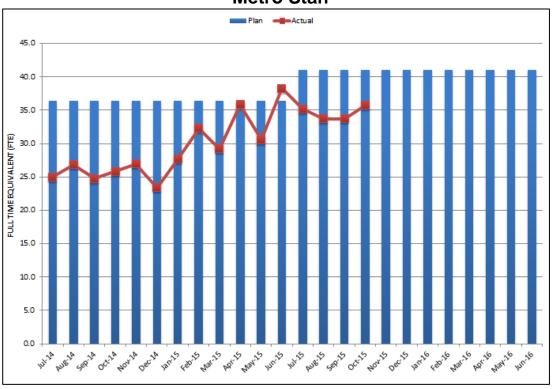
TOTAL PROJECT STAFFING

The overall FY16 Total Project Staffing plan averages 99.6 FTE's per month.

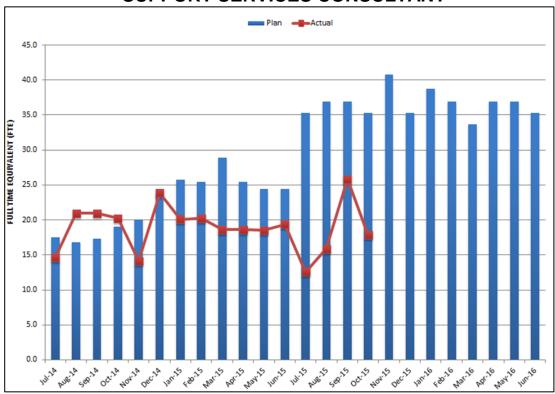
For October 2015, there were a total of 35.7 FTE's for MTA's Project Administration staff and 37.2 FTE's for consulting staff. The total project staffing for October 2015 was 72.9 FTEs. The main variance of FTE's actual (72.9) versus FTE's planned (102.2) is due to changes as a result of AUR schedule delays at various locations resulting in lower staff needs and charges for this period, which includes, Corporate Safety, Contract Administration, Executive Office Communications, Metro Art, Executive Office Construction, Public Relations, Creative Services, and Environmental Compliance. Metro is working on filling a few additional positions approved in July 2015 Board.

Note: The planned monthly FTE used in the chart for FY2016 is contingent on the board authorization from January through June 2016 for CMSS Contract.





CONSTRUCTION MANAGEMENT SUPPORT SERVICES CONSULTANT



Note: The variance in FTEs is due to Holiday's time off (Nov. 14), extensive weekend work

(Dec. 14) and additional field support staff.

ENGINEERING SERVICES CONSULTANTS



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

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	0	1	0	1
SSE	13	9	4	13	10	0	3	0	8
TCE/ROE	16	7	1	8	8	3	2	0	8
Sub Total Parcels:	34	21	5	26	22	4	8	4	20
Relocations	5								
Total Parcels:	34	21	5	26	22	4	8	4	20

^{*} Total number of parcels on this summary (34) reflect a consolidation of some ownerships, whereas ownerships and parcels are separately counted on main Regional Connector Project Control Matrix (43).

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"

- Submitted offer to Japanese Village Plaza in November 2013. JVP rejected offer; MTA Board adopted a resolution to acquire property through 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.

Volk

- 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. If agreement finalized in December, we will take to January 2016 Board.

ANAIBIV

 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 – awaiting Seller's signature (out of country until 12/7/15).

Hull's Hope

 RON (Resolution of Necessity) approved in February but condemnation on hold pending potential decertification of parcel by Project. Received formal decertification of parcel from Project on 6/19/15. Revocation of Offer letter in process and Revocation of RON scheduled for October Board. Revocation of RON pushed to January 2016 Board.

401 E Second St (Office Depot)

 Property owner has not accepted offer for reduced property requirements, but Project has confirmed it will decertify parcel, so RON has been on hold. Received formal decertification of parcel from Project on 6/19/15. Revocation of Offer letter sent 8/13.

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.

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

QUALITY ASSURANCE STATUS

C0980 Regional Connector D/B

- Reviewed and provided comments on the Contractor's quality required submittals, construction work plans and milestone submittals.
- Attended "Readiness Review" meetings with Contractor.
- Attended design and construction coordination meetings with the Contractor and the design team.
- Performed oversight verification of Contractor design and field activities.

November 2015

ENVIRONMENTAL STATUS

- Pre-Construction Surveys for the Central Japanese Village Parking, the Japanese Village Plaza, the Japanese Village Plaza Mall, the Citibank Group Building, the Veolia Energy Central Plant, the LA Times Building, the Hikari Apartments, the Walt Disney Concert Hall, the Colburn School of Music, the Eli Broad Museum, the Los Angeles Library the Standard Hotel, Pegasus Apartments, The California Club, the Higgins Building, the Cathedral of Saint Vibiana, and the Union Bank Building are complete. Pre-Construction Surveys for the Commonwealth Parking Structure, City National/Commonwealth Buildings, and the Westin Bonaventure are pending. These surveys are prepared for all historic properties as well as sensitive, non-historic structures 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 November 30,, 2015, 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, and The Broad Museum. Rights-of-Entry are being negotiated for vibration monitors to be installed at the Colburn School of Music and Japanese Village Plaza. Locations are based on the Vibration Monitoring Plan to monitor vibration continuously during peak vibration generating construction.
- The Zanja segment No. 3 at 1st/Central was treated in accordance with procedures outlined in the project Mitigation Monitoring and Reporting Plan as well as the Memorandum of Agreement between Metro and the State Historic Preservation Office (SHPO) and the FTA. An addendum to the original Level II Historic American Engineering Record (HAER) document was prepared as defined by the National Parks Service (NPS) and as requirement by the Cultural Resources Monitoring and Mitigation Plan (CRMMP). The document was finalized with Metro and will be submitted to NPS at the end of the Project, as more portions of the Zanja may be encountered during future construction activities. Other Zanja segments will be recorded as they are encountered and included in the final package sent to NPS. As of November 30, 2015, no additioinal Zanja segments were encountered.
- 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 11th Quarterly Mitigation Monitoring and Reporting Plan (MMRP) covering August 2015 to October 2015 to the FTA on November 13, 2015.

CONSTRUCTION AND COMMUNITY RELATIONS STATUS

Construction Relations

- Responded and addressed project related inquiries from the public received on the project hotline and email.
- Continued outreach to impacted area stakeholders regarding utility relocation. Distributed 19 construction notices to the public.
- Performed outreach to businesses, residents, Hotels, Institutions and local organizations on the following activities:
 - 1st/Alameda water line street closures and Gold Lline Station closure for track relocation (shoofly).
 - Central Ave. pile and deck installation
 - 2nd/Broadway intersection closure for pile and deck installation
 - Nighttime Variance permit for work at the 2nd/Hope area
 - North of 3rd St Flower St closure
- Provided construction updates at the following public meetings:
 - Regional Connector Community Leadership Council 2nd/Hope, Flower St/Financial District and 1st/Central area committees
 - Little Tokyo Community Council All Committees and General Board
 - Historical Cultural Neighborhood Councils
 - Arts District Los Angeles
 - Little Tokyo Business Association
- Continued bi-weekly meetings with: L.A. City Councilmember District 14 and the Mayor's office, the Westin Bonaventure.
- Briefed Supervisor Solis on outreach program and construction mitigations in Little Tokyo.

Social Media Outreach Efforts

• Facebook has 3,983 likes while Twitter has 1,211 followers.

Community Relations

- Conducted monthly updates with the Regional Connector Community Leadership Council for station areas representatives and participated in October's Project-wide Community Update
- Continued monthly Eat, Shop, Play implementation and promotion of small businesses impacted by construction along the line. ESP provides social media and in-community promotions of area businesses.

CONSTRUCTION AND COMMUNITY RELATIONS STATUS (Cont.)

 Continued work with the Little Tokyo Marketing & Business Task Force. Sound wall signage graphic design discussions continued for 1st/Central Station area and Mangrove Yard as well as design of 1st annual Holiday Marketplace scheduled for December 2015. These programs are designed to mitigate impacts associated with construction while sustaining businesses.

CREATIVE SERVICES STATUS

Art Program

- Responded to RFIs and Submittals.
- Continued refining artwork opportunities and locations.
- Participated in Design Build design workshops and document reviews.
- Convened Artist Selection Panel.
- Continued to support mitigation efforts.

SAFETY & SECURITY STATUS

C0980 Regional Connector

- Assisted RCC management staff in the generation and submittal of acceptable contractually required safety documentation.
- Met daily with RCC Staff to discuss Work Plans for each day's activities.
- Met daily with RCC's management staff and discussed construction work plans.
- Monitored RCC's pre-employment drug / alcohol testing & new employee safety orientation to insure compliance with contract and regulatory 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 OSHA 30-hour for both Metro's and Construction Management Teams.
- Conducted Project Safety Orientation for new project staff and subcontractors.
- Participated in work plan reviews and daily crew safety meetings.
- Monitored construction field activities on a daily basis to insure compliance with contract specifications.
- RCC reported 100,213 work hours for October. Project to Date Work Hours are at 420,891 with two recordable injuries, and no Days Away injuries. The C0980 Recordable Injury Rate is 0.95.
- Project to Date Work Hours including both the C0980 and the C0981 Advanced Utility Relocation contract are 531,950 hours with 3 recordable injuries with a Project Total Recordable Injury Rate of 1.1.

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.

THIRD PARTY AGREEMENT STATUS

Agency	Type of Agreement	Status/ Comments		
City of Los Angeles	Amendment to Master Cooperative Agreement	Parties will work under 2003 MCA.		
Los Angeles	Amendment to	Metro and LADWP will continue to work		
Department of Water and Power	Memorandum of Understanding	under the terms of the previous Cooperative Agreement.		
Los Angeles County Public Works	Letter of Agreement	Executed on 4/11		
Caltrans	Amendment	Executed on 8/11		
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.		

ADVANCED UTILITY RELOCATION STATUS

A solution has been reached for completion of AUR relocation of electrical facilities at the 2nd/Broadway Station. The work essentially has been broken out into two phases; the first phase is minimum needed to allow installation of piles; the second phase will install the remainder of necessary electrical facilities. Partial approval by LABOE of Phase 1 has been obtained. The remaining Phase 1 and Phase 2 have been submitted to LABOE for their review and comments. The completion of Phase 1 electrical work by the Design Build Contractor is planned for Mid-January 2016, after the Sprint joint duct bank has been relocated.

At Flower Street between 5th and 6th Street, Design Builder contractor finished the potholing for the 24" water line work, and now they are currently excavating for the waterline.

The remainder of the LADWP-Power conduit and vault relocation work in Flower Street between 5th & 6th Streets was put on hold pending a determination of the need for a redesign due to shallower than expected locations for existing power vaults at 6th Street and Flower Street. *A meeting is scheduled in December 2015 to discuss design builder's recommendation to address construction conflict.*

The Design Build Contractor performance of LADWP-Power work at 2nd Street and Spring Street continues and is expected to be complete by first week of December 2015. Thereafter, LADWP will commence intercept, splicing and cable pulling currently scheduled for December 1, 2015.

ADVANCED UTILITY RELOCATION STATUS (Cont.)

In mid-December 2015, it is anticipated that Level 3 will begin trenching and installing 60' of conduit in Flower Street connecting their duct bank to the AT&T CA shared duct bank and then begin pulling & splicing their cable in early January 2016 into the new AT&T CA joint trench and removing old cable.

MCI is expected to complete splicing of their cables in the new AT&T CA joint trench in Flower Street mid-November 2015.

At 2nd & Broadway, Sprint is planning to relocate their duct bank on December 7, 2015 in order to accommodate installation of LADWP Vault # 207.

C0980 UTILITY WORK STATUS

The Design Build Contractor has identified numerous utility conflicts with their with Station and Flower Cut and Cover construction and is currently coordinating with the affected utility owners to relocate, lower or support their facilities.

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 City Council Office to obtain Peak Hour Exemptions. *Metro extended both AM and PM peak hour exemptions for C0980's pre-trenching, and waterline relocation (potholing/excavation) activities at the 1st St & Alameda and 1st & Central intersections. Along 1st St between Alameda & Vignes St, AM & PM exemptions (for K-Rail) were obtained to support the EB & WB Widening of the future tunnel portal structure on 1st St. Currently, an AM & PM exemption is being pursued for the Shoofly Full Closure starting Dec 5, 2015. Additionally, 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. Furthermore, peak hour exemptions will be extended for 2nd & Spring Streets Power Utility Relocations at a future date. Moreover, AM Peak Hour Exemptions have been obtained for utility relocations/pre-trenching in the vicinity of the Flower Street & 2nd/Hope project areas.*

POLICE COMMISSION CONSTRUCTION VARIANCES

Metro continues to actively pursue night/Sunday work hour variances to accommodate the Project needs by working closely with the Los Angeles Police Commission.

In November 2015, LAPD approved night/Sunday variances for installation of 75" Hobas-Storm Drain on Alameda between Temple and 2nd Streets and Pre-Bus Shoofly, Bus Bridge Shoofly and Installation of Soldier Piles and Decking on 1st Street between Central Avenue and Vignes and Alameda between Temple and 2nd Streets.

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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, approximately 500 feet east of its current location at 1st/Hewitt Street. Additionally, on May 26, 2015, RCC received CPUC approval of the South Little Tokyo station pedestrian crossing Form GO-88B application package.

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 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

CHRONOLOGY OF EVENTS (Cont.)

March 2014	Issued Amendment # 11 for D/B Contract C0980
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)

Regional Connector Transit Corridor Project Monthly Project Status Report

CONSTRUCTION CONTRACTS

Description: Design-Build Contract

Contractor: Regional Connector Constructors (RCC)

Contract No. C0980

Status as of: November 30, 2015

Work Completed:

- DB construction is 5.4% complete as of November 2015.
- Final design is 84.2% complete as of November 2015.
- Metro completed review of AFC Alignment Design, 100% Trackwork Drawings,100% Design Bored Tunnels, Bored Tunnel SEM Cavern and Cross-passages Design, Building Protection for 2nd & Broadway Station and Crossover Cavern, 2nd & Broadway Station 100%, Train Control 85% Design, Support of Excavation Packages for: Flower Street Tunnels AFC Design Revision 1, 2nd& Hope Station AFC Design Revision 2 and Design Interface Management Plan.
- RCC completed the removal of the pylon, canopy, map case, and TUM on the south end of Little Tokyo Station. In addition the south entrance was closed in preparation for the Bus Bridge #1.
- RCC executed a Full Closure on Central Ave to complete pile installation and install decking.
- RCC completed a directional bore to install temporary communication conduits from Mangrove Yard to Little Tokyo Station.
- RCC completed installation of the OCS foundation on EB 1st Street at Hewitt and Garey
- RCC completed DWP duct bank Lateral 5, 7 and 8 at 2nd/Spring.
- RCC completed installation of fencing at the Metro property SW of GTK at 2nd/Hone
- RCC completed lowering the Century Link Communication at 2nd/Hope.
- Verizon Business/MCI completed remaining work on Flower Street.

Major Activities (In Progress):

- Metro continues to work with RCC and FLS committee to finalize the basis of design and facilities for fire emergency ventilation design.
- Metro continues review of submittals for Flower Street/Alameda Wye
 Underground Guideways 100%Design, Building Protection Flower and
 Hope Bored Tunnels AFC Design, 2nd & Hope Station 85% Design
 (without pedestrian bridge), 2nd & Broadway Station 85% Design,
 Overhead Contact System 100% Design and Specification, Traction
 Power 100% Design and Specifications, Support of Excavation Packages
 for: 1st & Central Station and TBM Final Design.
- Metro continues coordination and support of discussions with Contractor related to SEM Cavern (with TAP), Fire-Life Safety Design at Stations, Tactile Warning Strips in Stations and 2nd/Hope Station Pedestrian Bridge to Broad Museum site.
- RCC continues pile installation at 1st/Central Station.
- · RCC continues demolition and earthwork for Shoofly.
- RCC continues decking for the Shoofly Bridge and TBM pit.
- · RCC continues installation of the Mangrove Noise Barrier.
- RCC continues 1st St WB Storm Drain Installation, including catch basins and manholes.
- · RCC continues work on 1st St. EB and WB widening.
- RCC continues 6", 8", 12" and 16" water line construction activities at 1st/Alameda.
- RCC continues with the installation of electrical duct banks at 2nd/Broadway.
- RCC continues Underground Investigation Potholing Hydrovac and Exploratory Trenching at various locations project wide.
- RCC continues installation of the 12/24" mainline and laterals on Flower at 5th Street.
- RCC continues geotechnical monitoring at 1st/Central Yard and Alameda Public ROW
- RCC continues preparation of submittals and traffic control plans, including weekly meetings with LADOT and City Council District 14.

Areas of Concern:

- NEPA Law suits could potentially delay the construction. MTA and FTA completed SEIS (Supplemental Environmental Impact Statement) and issued it for public comments on June 12, 2015. FTA appproval and amended SEIS is expected in Dec. 2015.
- Advanced Utility Relocation (AUR) Contract was terminated and transferred to C0980 Contract. Mitigation measures are being implemented and alternative scenarios are evaluated by RCC, DWP and Metro. Major street closures are being coordinated with LABOE, LADOT and CD14. Metro and RCC are coordinating with DWP on the re-design and construction issues to mitigate construction schedule at 2nd/Broadway and 1st/Central stations. Schedule Recovery Plan has been developed and field work started at several locations.

Please see the "Management Issues/Opportunities" section for Concerns and Opportunities details.

Major Activities Next Period:

- Metro will review Initial Drainage (SUSMP) Report, 1st and Central Station 100% Design drawings and Specifications, DU12 Communications 85% Design.
- RCC will begin implementation of Bus Bridge #1 (January 2016)
- RCC will resume placing OCS foundations at the Mangrove Yard during the 1st St widening.
- RCC will resume train drain installation at the Mangrove Yard during 1st St widening.
- RCC will begin DWP duct bank install for temporary power at 1st/Central.
- RCC will begin the 18" SD Lateral install at 2nd/Hope.
- RCC will resume pile trenching for the Wye at 1st/Alameda in various work areas and 2nd/Broadway.

CONSTRUCTION CONTRACTS (Cont.)

Description: Design-Build Contract		Contract No.	Contract No. C0980 (Cont.)					
Contractor: Regional Connector Constructors (RCC)		Status as of: November 30, 2015						
			Original Contract	Time Extension	Current Contract	Forecast	Variance CDs	
Date of Award:	5/6/2014	Notice to Proceed	07/07/14	0	07/07/14	07/07/14		
Notice to Proceed:	7/7/2014	Milestone 1:	10/22/20	0	10/22/20	04/01/21	-16	
Original Contract Duration	.,.,=•	Milestone 2:	06/14/20	0	06/14/20	12/15/20	-18	
		Milestone 3:	05/15/16	0	05/15/16	10/23/16	-16	
		Milestone 4:	05/27/18	0	05/27/18	11/04/18	-16	
		Milestone 5:	08/19/19	0	08/19/19	12/17/19	-12	
Current Contract Duration	2430 CD	Milestone 6:	09/18/19	0	09/18/19	03/30/20	-19	
Elapsed Time from NTP:	509 CD	Milestone 7:	10/10/15	0	10/10/15	05/12/16	-21	
•		Milestone 8:	04/22/18	0	04/22/18	12/23/18	-24	
		Milestone 9A:	07/14/20	0	07/14/20	10/26/20	-10	
		Milestone 9B:	10/22/20	0	10/22/20	02/13/21	-11	
		Milestone 10:	10/12/20	0	10/12/20	05/29/21	-22	
		Milestone 11:	10/27/20	0	10/27/20	06/13/21	-22	
		Milestone 12:	03/01/21	0	03/01/21	08/15/21	-16	
Physical completion as of 11	/28/2015:	Cost Summary:			\$ In n	nillions		
Design	04.207	1. Award Value	:			927.2		
Design	84.2%	2. Executed Modifications: 41.1						
Construction	5.4%	3. Approved Change Orders: 18.1						
Total Incurred Cost	27.5%	4. Current Contract Value (1+2+3): 986.5 5. Incurred Cost: 271.0						
* Note: Physical completion mobilization, general mobilization	assessment excludes ilization and Provisional Sum.							

Construction Photos

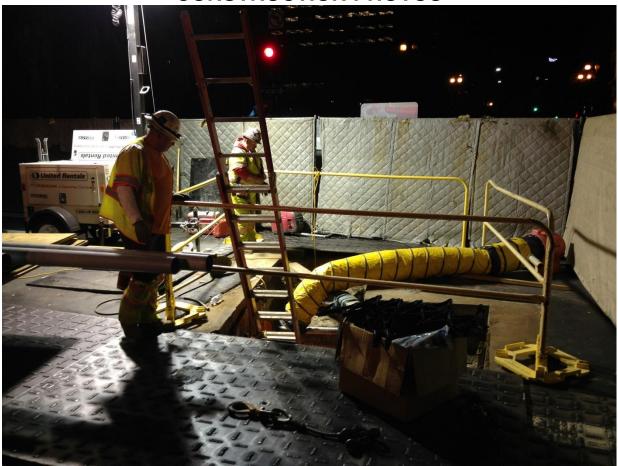


1st/Central Construction Activities

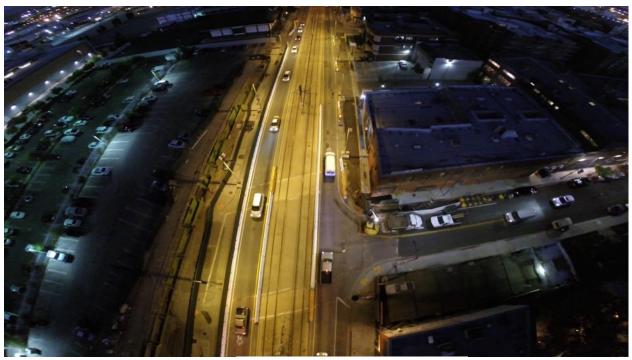


Excavation and pile installation at Mangrove Yard

CONSTRUCTION PHOTOS



Nighttime electrical work at 2nd/Spring



EB/WB widening of 1st Street

APPENDIX 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

of project activities. This includes cost sharing construction

items, insurance premium rebates, and the like.

APPENDIX

LIST OF ABBREVIATIONS AND ACRONYMS

AFC Approved for Construction

APE Advanced Preliminary Engineering

ATC Automatic Train Control

ATSAC Automated Traffic Surveillance and Control

AUR Advanced Utility Relocation

BAFO Best and Final Offer

BIM Building Information Modeling

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

CN Change Notice
CO Change Order
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

EPB TBM Earth Pressure Balance Tunnel Boring Machine

FAR Federal Acquisition Regulation

FD Final Design

FEIS Final Environmental Impact Statement
FEIR Final Environmental Impact Report
FFGA Full Funding Grant Agreement
FIS Financial Information System
FLSR Fire Life Safety Report

FLSR Fire Life Safety Report FONSI Finding of No Significan

FONSI Finding of No Significant Impact FRA Federal Railroad Administration

FSEIR Final Supplemental Environmental Impact Report FSEIS Final Supplemental Environmental Impact Statement

FTA Federal Transit Administration

FTE Full Time Equivalent GBN Ground Borne Noise

GBR Geotechnical Baseline Report

GDSR Geotechnical Design Summary Report

APPENDIX

LIST OF ABBREVIATIONS AND ACRONYMS (Cont.)

HABS/HAER Historical American Building Survey /

Historical American Engineering Record

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

LAFD Los Angeles Fire Department
LAPD Los Angeles Police Department
LNTP Limited Notice To Proceed
LONP Letter Of No Prejudice

LOP Life-of-Project

LPA Locally Preferred Alternative

LRT Light Rail Transit

LRTP Long Range Transportation Plan

LRV Light Rail Vehicle

MCA Master Cooperative Agreement

MIS Major Investment Study

MMRP Mitigation Monitoring and Reporting Program

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
OCR Overhead Conductor Rail
OCS Overhead Catenary System

OSHA Occupational Health and Safety Administration

PA/VMS Public Address/Visual Messaging Sign

PE Preliminary Engineering

PEER Permit Engineering Evaluation Report

PIP Project Implementation Plan PLA Project Labor Agreement

PM Project Manager

PMIP Project Management Implementation Plan

APPENDIX

LIST OF ABBREVIATIONS AND ACRONYMS (Cont.)

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

RAMDPP Reliability Availability Maintainability Dependability Program Plan

RAMP Real Estate Acquisition Management Plan

RCC Regional Connector Contractors
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 RON Resolution of Necessity

ROW Right-Of-Way

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

SCG Southern California Gas Company

SEIS Supplemental Environmental Impact Statement

SHA State Highway Account

SHPO State Historic Preservation Office

SIT System Integration Testing SOE Support Of Excavation SOQ Statement of Qualification

SOV Schedule Of Value SOW Statement Of Work SP Special Provision

SSMP Safety and Security Management Plan

STB Surface Transportation Board

STIP State Transportation Improvement Program

STP Surface Transportation Program

APPENDIX LIST OF ABBREVIATIONS AND ACRONYMS (Cont.)

SUSMP Standard Urban Stormwater Mitigation Plan

TBD To Be Determined
TBM Tunnel Boring Machine
TCC Train Control Center

TCE Temporary Construction Easement TCRP Traffic Congestion Relief Program

TCTMC Major Transit and Transportation Construction Traffic Management Committee

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
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