Los Angeles County
Metropolitan Transportation Authority

Regional Connector Transit Corridor

MONTHLY PROJECT STATUS REPORT

FEBRUARY 2016

Metro®

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).

February 2016

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PROJECT SUMMARY

As of February 2016

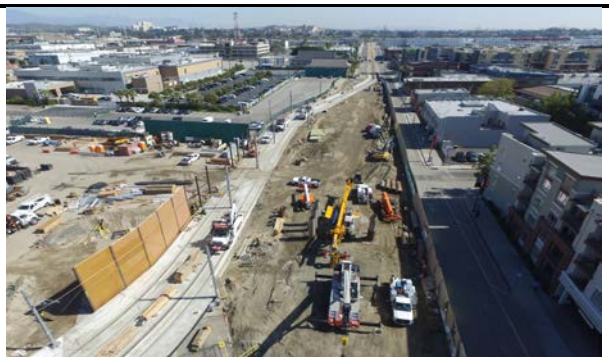
LOCATION: Downtown Los Angeles

DESIGN CONSULTANT: Connector Partnership JV

CONSTRUCTION MANAGEMENT CONSULTANT: ARCADIS

CONTRACTOR: Regional Connector Constructors, Joint Venture

Shoofly Track installation at 1st Street



WORK/ACTIVITY COMPLETED PAST MONTH

- As of Feb. 2016, DB construction is 8.2% and Final Design is 89.9% complete.
- Metro completed review of AFC over-the-shoulder Flower St, Cut and Cover design plans and Bored Tunnel design documents, 100% Traction Power and Building Protection, and 85% Train Control design documents for 2nd/Hope.
- RCC completed Shoofly rail installation at Little Tokyo Station and rail tie-in near the Buddhist Temple.
- RCC completed fiber optics cut over and Metro tested trains through Shoofly to Pico Aliso Station.
- RCC completed the implementation of the Full Closure for 2nd/Broadway intersection.
- RCC completed installation of 18" SD Laterals at 2nd/Hope.
- RCC completed installation of decking on Hope St.
- RCC completed installation of the 12/24" mainline and laterals at 5th/Flower.

EXPENDITURE STATUS
($ In Millions)

ACTIVITIES	CURRENT BUDGET	EXPENDED AMOUNT	PERCENT EXPENDED
DESIGN	$126.5	$110.8	87.6%
RIGHT-OF-WAY	$110.5	$68.7	62.2%
CONSTRUCTION	$1,085.4	$261.6	24.1%
OTHER	$276.6	$80.7	29.2%
TOTAL	$1,598.9	$521.8	32.6%

Current Budget reflects Board approved Life-of-Project Budget and does not includes Finance Charges.
Note: Expended amount is through 01/31/2016.

SCHEDULE ASSESSMENT

MAJOR SCHEDULE ACTIVITIES	PRIOR PERIOD	CURRENT PLAN	VARIANCE WEEKS
Environmental			
FEIS / FEIR	N/A	04/26/12	Complete
SEIS Flower St.	N/A	12/18/15	Complete
Design			
PE Notice to Proceed	N/A	01/04/11	Complete
Final Design complete	07/26/16	08/22/16	-4
Note: Completion of systems design is now projected for end of August. No adverse impact to the overall schedule will result from this delay.			
Right-of-Way			
All parcels available	06/01/16	06/01/16	0
Note: ROW dates are adjusted to reflect the latest D/B Contractor's coordinated need Dates. Duco Yard need date is in August 2018. TBM Storage Yard needed by Feb. 2016.			
Construction - Design / Build Contract			
Notice to Proceed	07/07/14	07/07/14	Complete
Construction complete	04/04/21	03/20/21	2
Revenue Service Date	06/17/21	06/02/21*	2

Note : * The project is reflecting an approximate five-month delay to the RSD due to differing site conditions related to underground utilities.

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.

ROW ACQUISITION	PLAN	CERTIFIED	ACQUIRED	REMAINING
PERMANENT PARCELS	5	5	4	1
TEMPORARY PARCELS	29	16	14	2
TOTAL PARCELS	34	21	18	3

CRITICAL ACTIVITIES / 3 MONTH LOOK AHEAD

- Start of shoofly operations and opening of Little Tokyo Station by March 2016.
- Metro continues to work with RCC and FLS committee to resolve emergency ventilation design issues.
- Metro will continue review of design packages for all three stations and systems
- RCC continues implementation of Bus Bridge #1.
- RCC continues pile trenching and installation for the Wye at 1st/Alameda
- RCC continues work on 1st Street EB and WB Widening.
- RCC continues 6", 8", 12" and 16" water line construction activities at 1st/Alameda.
- RCC continues electrical duct bank installation at 2nd/Broadway.
- RCC will begin SOE Pile installation at 2nd/Hope.
- RCC will store TBM at a storage site until the launch of the TBM, estimated in November 2016.

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 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 (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

The bus bridging began on January 8, 2016 and will last 73 days. The southern entrance of Little Tokyo Station was demolished and currently shoofly tracks and OCS foundation are being constructed in Mangrove Yard. Decking for TBM pit is completed and approach slab for TBM has been constructed. Pile trenching at 1st/Central is on-going. Instrumentation is being installed at various locations including JVP, 2nd/Broadway, Flower Street, and 2nd/Hope Station. Street widening work is on-going on 1st Street (both east and west bound). Pile trenching is continuing at 2nd/Broadway and SOE pile trenching is on-going at 2nd/Hope.

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.

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 $1,558,956 (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. The current project budget has been revised to $1.598 billion dollars.

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 - 42% - comes from Federal New Starts.

PROJECT OVERVIEW & STATUS (Cont.)

The project commitments through February 2016 increased by $1.23 million to $1.317 billion or 84.5% of the Current Budget. The increase is due to modifications for RCC, Third Party Utilities and Community Relations. Project expenditures through January 2016 are $499.1 million or 32.0% of the current 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 January 2021 and Phase II Revenue Service Date to Pasadena is in June 2021*.

A Risk Register during the PE phase was developed for the project and was updated quarterly during the early phases of the project to reflect new risks that derived from concerns or issues. *A more comprehensive risk register was developed and is reviewed and updated based on joint review by Metro, CPJV, CMSS, RCC and FTA/PMOC on a bi-monthly basis for the current phase of the project.* Risk Management reporting will continue to be on a quarterly basis. Metro is targeting a refresh assessment in spring 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 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 guideway construction. Approvals of such closures are being vigorously pursued.*

Concern No.2: *Late submittals and City approvals of traffic control plans and shoring designs may impact construction progress at 1st/Central, 2nd/Hope, 2nd/Broadway Stations, and Flower Street.*

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

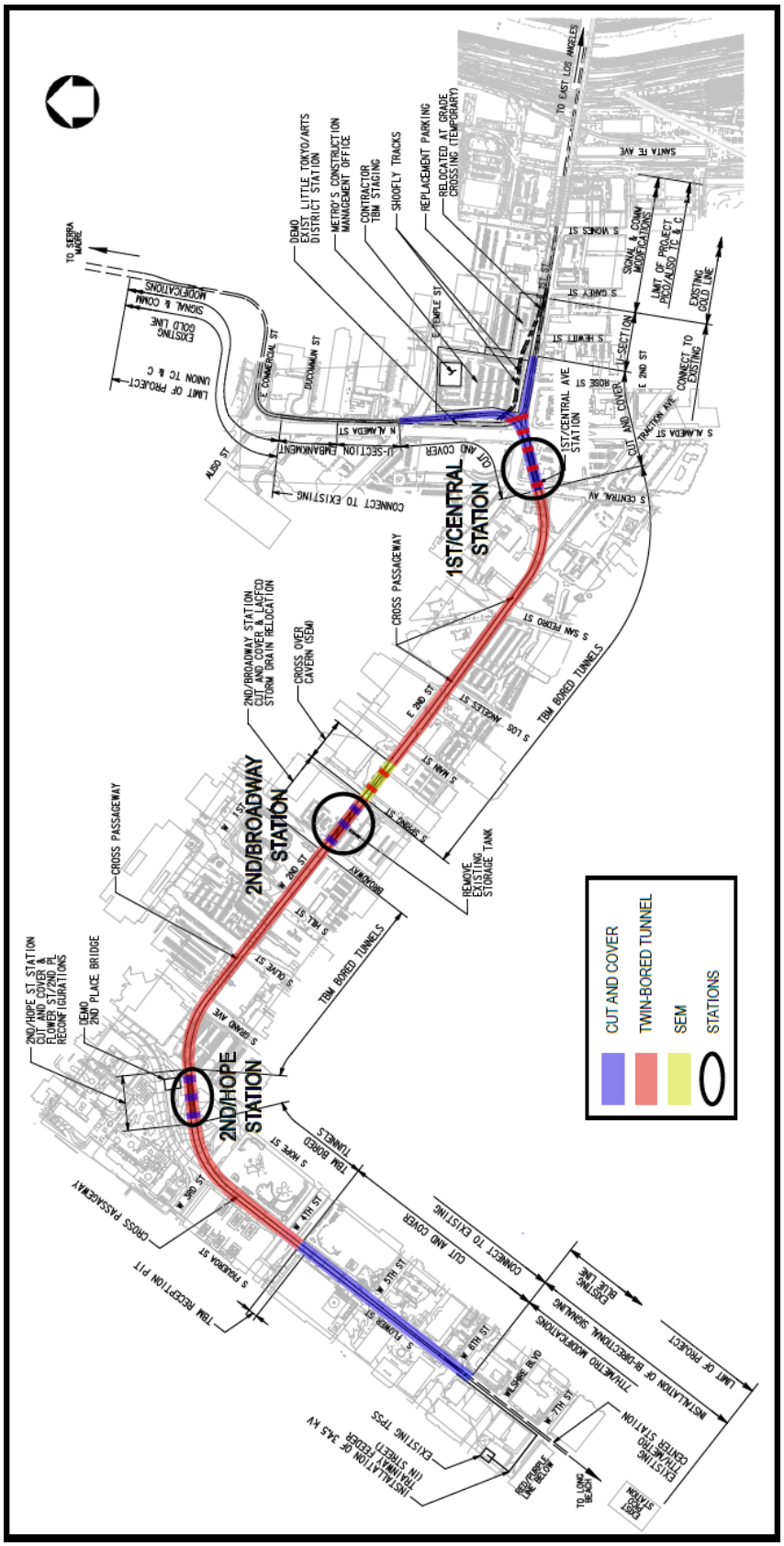
Opportunity No. 1 Metro has exercised C0980 Project Option 12 which includes elements of design required for a Super Fast Growth Rate/Arson Fire. Metro Fire Life Safety (FLS) revised the criteria to include Medium Growth Rate Fire.

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. 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 or elements associated with Super Fast Growth Rate/Arson Fire not required in C0980 Contractor's design (Potential Cost Reduction).

Opportunity No. 2: *METRO is exploring redefining the crossover east of Broadway which in-turn will shorten the length of the SEM cavern. Schedule and cost savings would be realized if the scope were modified accordingly.*

Status/Action: *Design elements are being finalized to define changes and secure consensus from stakeholders.*

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 on their own. 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 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 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) Contractor as follows:

Third Party Advanced Utility Relocations

A number of utility owners have already relocated 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.)

Level 3 installed 60' of missing conduit in February 2016 and is expected to complete splicing and cable pulling in March 2016.

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 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 has issued July 7, 2014. Metro has exercised several contract options as well adding the remaining Advanced Utility Relocation work (C0981R Contract) to 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 are long-lead construction tasks that are 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 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. CMSS's (Arcadis) FY16 contract modification was approved in July 2015 by the Metro Board. 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 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 basis for final design development 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

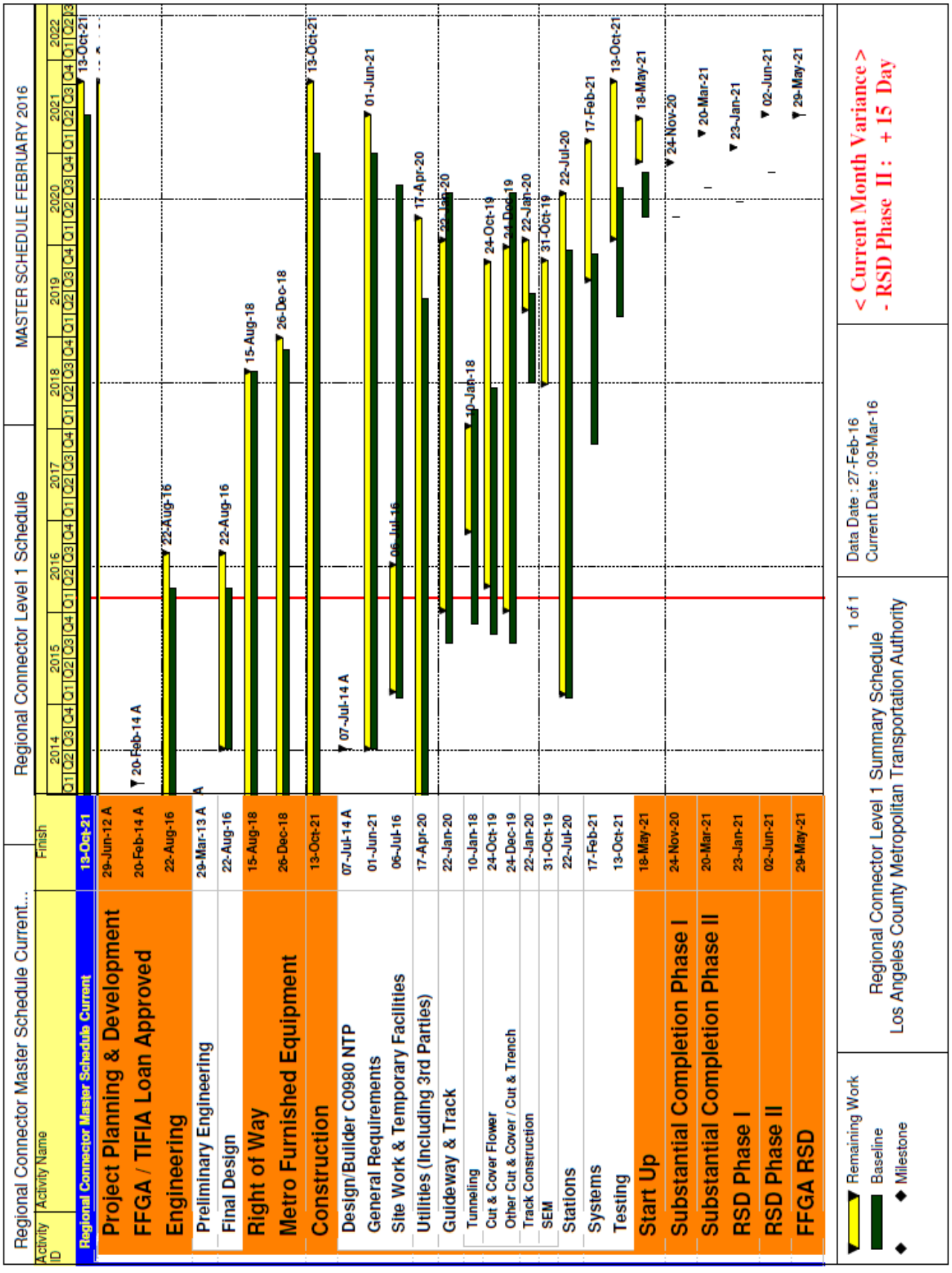
	Milestone Date	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16
Start Soldier Pile Installation at 2nd/Hope Station	02/04/16	⬡					
Implement Traffic Control Plan (Stage A2.2) at 1st/Alameda Intersection	02/05/16	⬡					
Traffic Control Plan approved by LADOT for Utility & SOE work at 2nd/Broadway	02/26/16	△					
DU10 Traction Power Package - 100% Design Submittal	02/11/16	⬡					
1st/Central Station Package - 100% Design Submittal	03/11/16		⬡				
DU03A SEM/Crossover - 100% Design Submittal	03/11/16		⬡				
Traffic Control Plan approved by LADOT for SOE work at Flower Street	03/11/16		△				
2nd/Hope Station Package - 100% Design Submittal	03/15/16		⬡				
Complete Gold Line Bus Bridge#1 (Shoofly Tie In)	03/21/16		⬡				
Traffic Control Plan approved by LADOT for 2nd St Grouting	03/26/16		△				
2nd/Broadway Station Package - 100% Design Submittal	04/02/16			⬡			
Civil Segment A (Flower to Hope) - 85% Design Submittal	04/05/16			⬡			
Traffic Control Plan approved by LADOT for SOE work at Flower Street (West, Stage 1 / Phase 2)	04/15/16			△			
DU09 OCS Package - AFC Submittal Approved	04/18/16			◆			
DU03A SEM/Crossover - AFC Submittal Approved	04/29/16			◆			
1st/Central Station Package - AFC Submittal Approved	04/29/16			◆			
2nd/Hope Station Package - AFC Submittal Approved	04/29/16			◆			
TBM Delivered & Stored (Arrives at POLB)	05/06/16				⬡		
Implement Traffic Control Plan (Stage A2.3) at 1st/Alameda Intersection	05/21/16				⬡		
Start 36" Water Replacement at 1st/Alameda Intersection	05/21/16				⬡		
2nd/Broadway Station Package - AFC Submittal Approved	05/30/16				◆		
Start WYE Intersection Excavation	06/01/16					⬡	
Start Flower Street Decking (North of 5th)	07/18/16						⬡

◆ MTA Staff Ⓜ MTA Board Action ⧗ **FTA** (Federal Transit Administration)

△ Other Agencies ▭ Contractors ⬭ Design Consultant ⬡ C0980 D/B Contractor ▽ Utility Company

"A" following date is actual and completed * New

PROJECT SUMMARY SCHEDULE

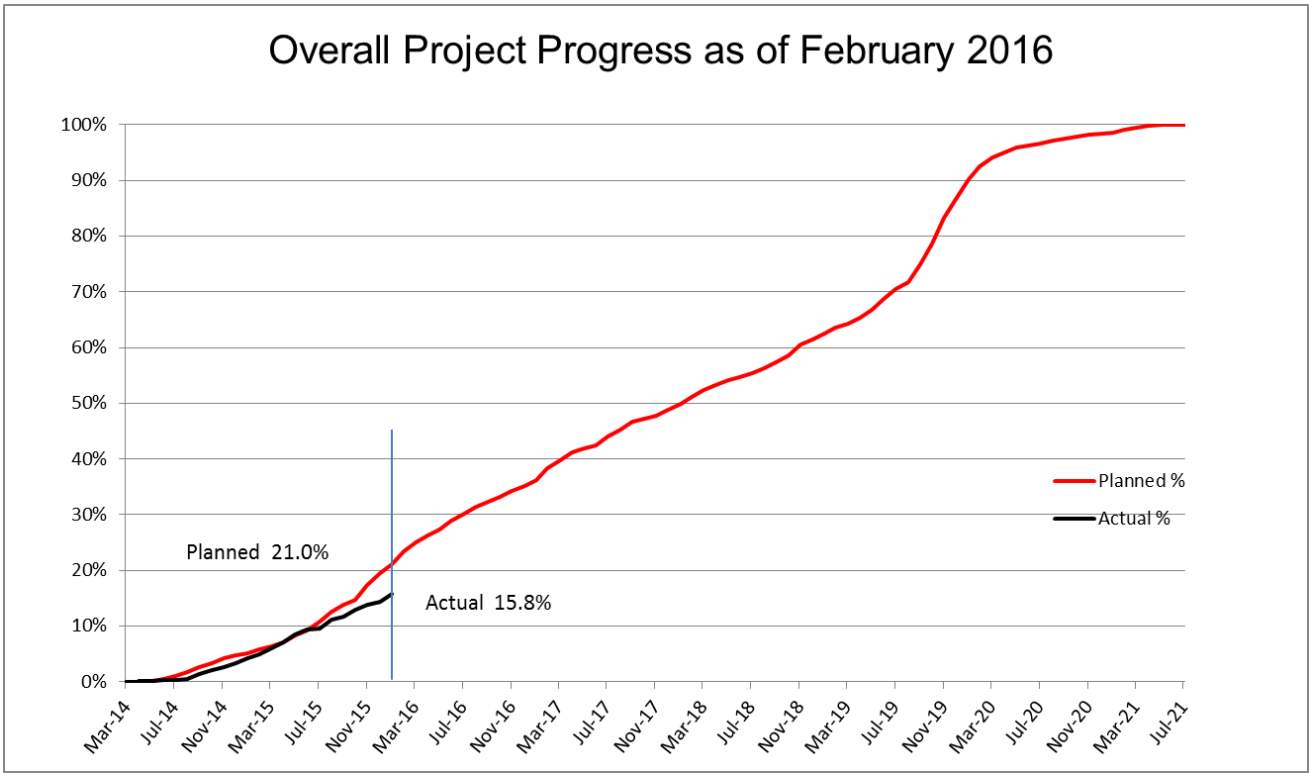


SCHEDULE MEASUREMENTS

	Status	Change from Last	Comment
Forecast Revenue Service	6/2/2021	+15 CD	Schedule Recovery Measures and Acceleration plans are being developed
TIFIA Revenue Service	5/29/2021	None	
FFGA Revenue Service	5/29/2021	None	
Final Design Progress :			
Contract C0980	89.9%	1.4%	5 months Behind
Construction Contracts Progress :			
Contract C0981R	100%		Termination for Convenience (4/14/2015). Contract in closeout
Contract C0980	8.2%	1.4%	5 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



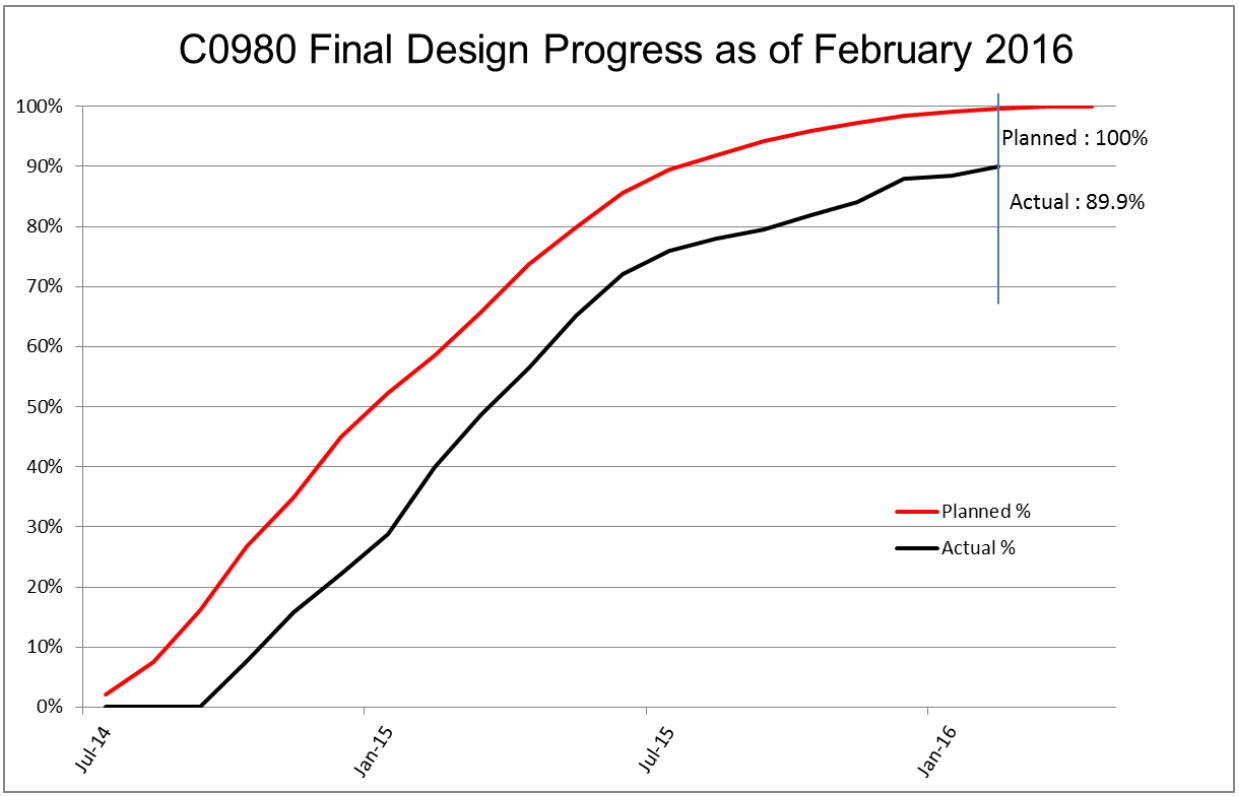
The above progress curve is based on planned expenditures of C0980 (Design-Build and C0981 (AUR) Baseline Schedule and actual expenditures.

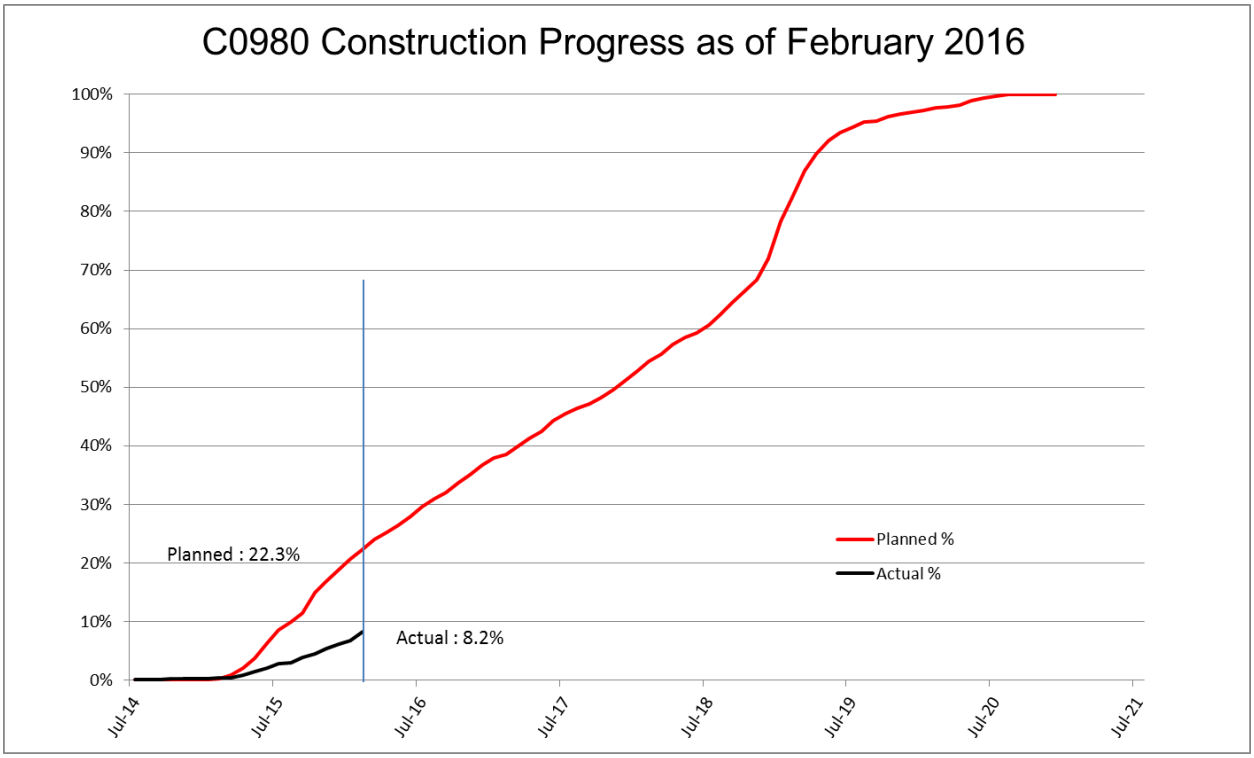
The cumulative overall project progress for C0980 & C0981R Contract is 15.8%.

Contract C0981R was terminated for convenience on April 14th, 2015.

Final Design for C0980 commenced upon MTA issuing NTP on July 7, 2014. *Cumulative final design progress is 89.9% and the cumulative construction progress is 8.2%.*

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.


C0980 Final Design Progress as of February 2016
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
Jul-14
Jan-15
Jul-15
Jan-16
Planned : 100%
Actual : 89.9%
Planned %
Actual %


C0980 Construction Progress as of February 2016
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
Jul-14
Jul-15
Jul-16
Jul-17
Jul-18
Jul-19
Jul-20
Jul-21
Planned : 22.3%
Actual : 8.2%
Planned %
Actual %

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	7/30/15A *	7/8/2016
TBM REBUILD	2/26/16A*	2/26/2016
VERIFIED ASSEMBLY / TEST OF TBM AT FABRICATION SHOP	3/1/16	3/18/2016
FAB/DELIV TBM MACHINE TO SITE**	4/23/16	9/2/2016
VERIFIED TBM SHIPPED TO SITE	4/23/16	9/2/2016

* A: the date is actual and completed

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

Note: Metro reviewed retrofit progress via a site visit in mid-January.

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

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; 1st and Alameda Wye junction Pile and Excavation (after TBM Mining); 1st/Central Station excavation (Remaining-Crane Pad), structural concrete, station finishes; field acceptance testing at station; systems integration testing Phase I and II; Bus Bridge#3A, 3B, 4A & 4B work; and Pre-Revenue Operations Phase I and II.

Note:

1. Several contract options were exercised by Metro, 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 was prepared and submitted by RCC in February 2016.*

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

REGIONAL CONNECTOR TRANSIT CORRIDOR PROJECT
COST REPORT
DOLLARS IN THOUSANDS

SCC CODE	DESCRIPTION	FFGA BUDGET	ORIGINAL BUDGET	CURRENT BUDGET		COMMITMENTS		EXPENDITURES		CURRENT FORECAST		BUDGET/ FORECAST VARIANCE
				PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	
10	GUIDEWAYS & TRACK ELEMENTS	280,622	204,691	1,500	241,870	677	228,656	652	14,951	291	241,870	0
20	STATIONS, STOPS, TERMINNALS, INTERNODAL	354,268	219,477	-1,500	228,927	0	223,779	160	4,566	-1,500	228,927	0
30	SUPPORT FACILITIES: YARDS, SHOPS, ADMIN, BLDGS	0	0	0	0	0	0	0	0	0	0	0
40	SITEWORK & SPECIAL CONDITIONS	141,785	422,453	0	529,144	500	474,965	5,143	242,032	0	529,144	0
50	SYSTEMS	69,667	73,848	0	74,942	4	63,321	2	2	190	75,281	339
	CONSTRUCTION SUBTOTAL (10-50)	846,343	920,468	0	1,074,883	1,180	990,722	5,956	261,552	-1,019	1,075,222	339
60	ROW, LAND, EXISTING IMPROVEMENTS	115,889	74,208	0	82,704	0	73,820	39	46,154	0	82,704	0
70	VEHICLES	16,275	16,275	0	16,275	0	2,000	0	0	0	16,275	0
80	PROFESSIONAL SERVICES	261,455	257,973	0	271,154	51	223,959	4,486	166,699	-1,177	271,645	492
	SUBTOTAL (10-80)	1,239,963	1,268,925	0	1,445,016	1,231	1,290,501	10,481	474,406	-2,196	1,445,846	831
90	UNALLOCATED CONTINGENCY	135,399	126,892	0	80,325	0	0	0	0	2,196	79,494	-831
100	FINANCE CHARGES	27,571	7,115	0	7,115	0	0	0	0	0	7,115	0
	TOTAL PROJECTS 460228 & 860228 (10-100)	1,402,932	1,402,932	0	1,532,456	1,231	1,290,501	10,481	474,406	0	1,532,456	0
	ENVIRONMENTAL/PLANNING - 400228		6,075	0	6,075	0	6,075	0	6,075	0	6,075	0
	ENVIRONMENTAL/PLANNING - 460228		18,125	0	20,425	0	20,425	11	18,589	0	20,425	0
	TOTAL PROJECTS 400228 & 460228 (EVN/PLAN'G)	0	24,200	0	26,500	0	26,500	11	24,664	0	26,500	0
	400228, 460228, 860228 TOTAL	1,402,932	1,427,132	0	1,558,956	1,231	1,317,001	10,492	499,069	0	1,558,956	0

NOTE: EXPENDITURES ARE CUMULATIVE THROUGH 01/31/2016

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:
The Board in December 2015 approved an increase Life-of-Project (LOP) budget of $131.8 million to $1,551.8 million. The new budget includes $7.1 million Finance Charges for a total of $1,558.9 million. *The allocated contingency for C0980 Contract in an amount of $1.5 million was transferred from SCC 20 to SCC 10 this month.*

Commitments:
The Commitments increased by $1.23 million this period to $1.317 billion which represent 84.5% of the Current Budget. The increase is due to RCC modifications, Third Party Utilities, and Community relations.

Expenditures:
The Expenditures are cumulative through January 2016. Expenditures increased by $10.49 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 $499.1 million in expenditures to date represents 32.0% of the Current Budget.

Current Forecast:
The forecast includes pending modifications.

PROJE CT COST STATUS (Cont.)

CONCURRENT NON-FFGA ACTIVITIES (861228)
PROJECT COST STATUS BY FTA SCC
DOLLARS IN THOUSANDS

SCC CODE	Description	ORIGINAL BUDGET	CURRENT BUDGET		COMMITMENTS		EXPENDITURES		CURRENT FORECAST		BUDGET / FORECAST VARIANCE
			PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	
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	0	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	0	10,480	0	10,480	0	0	0	10,480	0
60	ROW, LAND, EXISTING IMPROVEMENTS	27,748	0	27,748	0	27,748	0	22,521	0	27,748	0
70	VEHICLES	0	0	0	0	0	0	0	0	0	0
80	PROFESSIONAL SERVICES	650	0	650	0	650	52	160	0	650	0
	SUBTOTAL (10-80)	38,878	0	38,878	0	38,878	52	22,681	0	38,878	0
90	UNALLOCATED CONTINGENCY	1,113	0	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	0	39,991	0	38,878	52	22,681	0	39,991	0
	861228 TOTAL	39,991	0	39,991	0	38,878	52	22,681	0	39,991	0

NOTE: EXPENDITURES ARE CUMULATIVE THROUGH 01/31/2016

PROJECT COST ANALYSIS

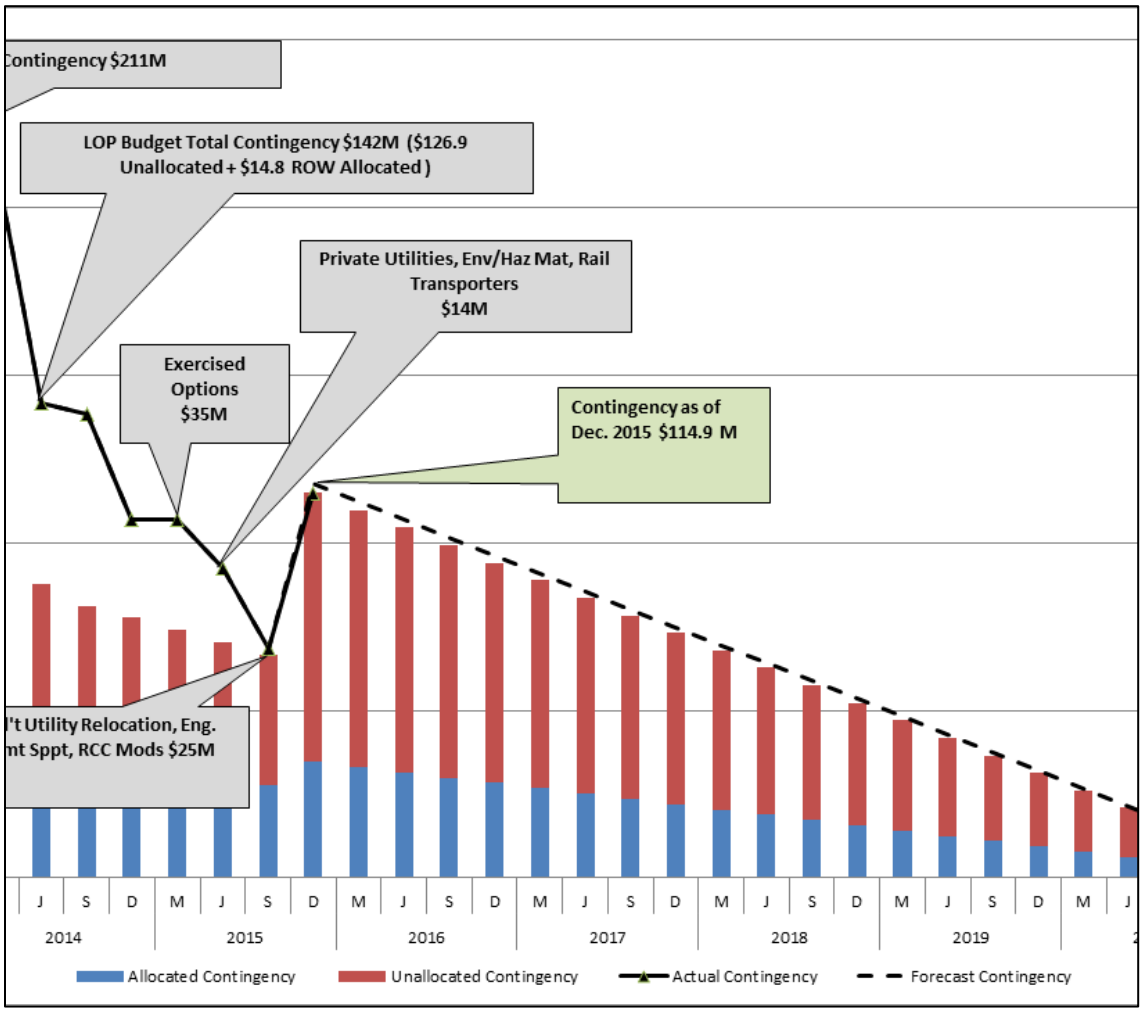
Original Budget, Current Budget, and Current Forecast:
The Original Budget, Current Budget, and Current Forecast reflect the Board approved Life-of-Project (LOP) budget on April 24, 2014.

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 $52K expenditure incurred in this period. The $22.68 million in expenditures to date represents 56.7% of the Current Budget.

Current Forecast:
There was no change to the Forecast for this period.

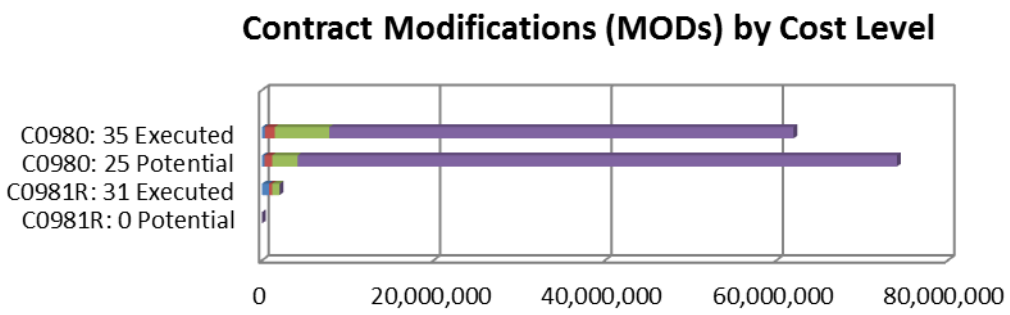
COST CONTINGENCY DRAWDOWN



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. *There is a drawdown of $677K from Design Build Contract "allocated contingency" this period. The remaining project cost contingency for February 2016 is $110.0 million.*

SUMMARY OF CONTRACT MODIFICATIONS



	C0980		C0981R		
	35 Executed	25 Potential	31 Executed	0 Potential	Total
Under $100K	322,662	303,252	814,761	-	1,440,675
$100K to $250K	1,162,913	879,817	372,752	-	2,415,482
$250K to $1M	6,372,913	2,961,673	863,000	-	10,197,586
Over $1M	54,160,692	69,929,135	-	-	124,089,827
Total Contract MODs	**62,019,180**	**74,073,877**	**2,050,513**	**-**	**138,143,570**
Contract Award Amount	**927,226,995**	**927,226,995**	**25,643,000**	**25,643,000**	
% of Contract MODs	**6.7%**	**8.0%**	**8.0%**	**0.0%**	

Note: Percent of Contract MODs equals the Total Contract MODs divided by the Contract Award Amount
Potential Mods are under negotiations.

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

Contract C0981R is closed with a total contract value of $22.15 million.

35 changes with total value of $62.0 million have been executed since execution of Contract C0980 and 25 potential changes with a total value of $74.1 million is pending.

DISADVANTAGED BUSINESS ENTERPRISE (DBE) STATUS

Contract C0980 Regional Connector Transit Corridor Design-Build

- DBE Goal – Design: 20%
- *Current DBE Commitment - Design: $11,303,360.03 (22.63%)*
- *Current DBE Participation: 22.57%*
- Twenty (20) 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:* 47.51*%*
- *Forty six (46) 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 - 40.00%
  Targeted Worker Current Participation - 59.44%

- Apprentice Worker Goal - 20.00%
  Apprentice Worker Current Participation - 18.39%

- Disadvantaged Worker Goal - 10.00%
  Disadvantaged Worker Current Participation - 8.02%

FINANCIAL/GRANT STATUS

Status of Funds Anticipated February 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.O 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 PLANS TO SUBMIT A GRANT AMENDMENT OF $100M IN THE 4TH QUARTER OF FY 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. 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 PAYMENT SCHEDULE OF $5.0M FOR FY 2016 IS AVAILABLE FOR DRAWDOWN.

Status of Funds by Source February 2016

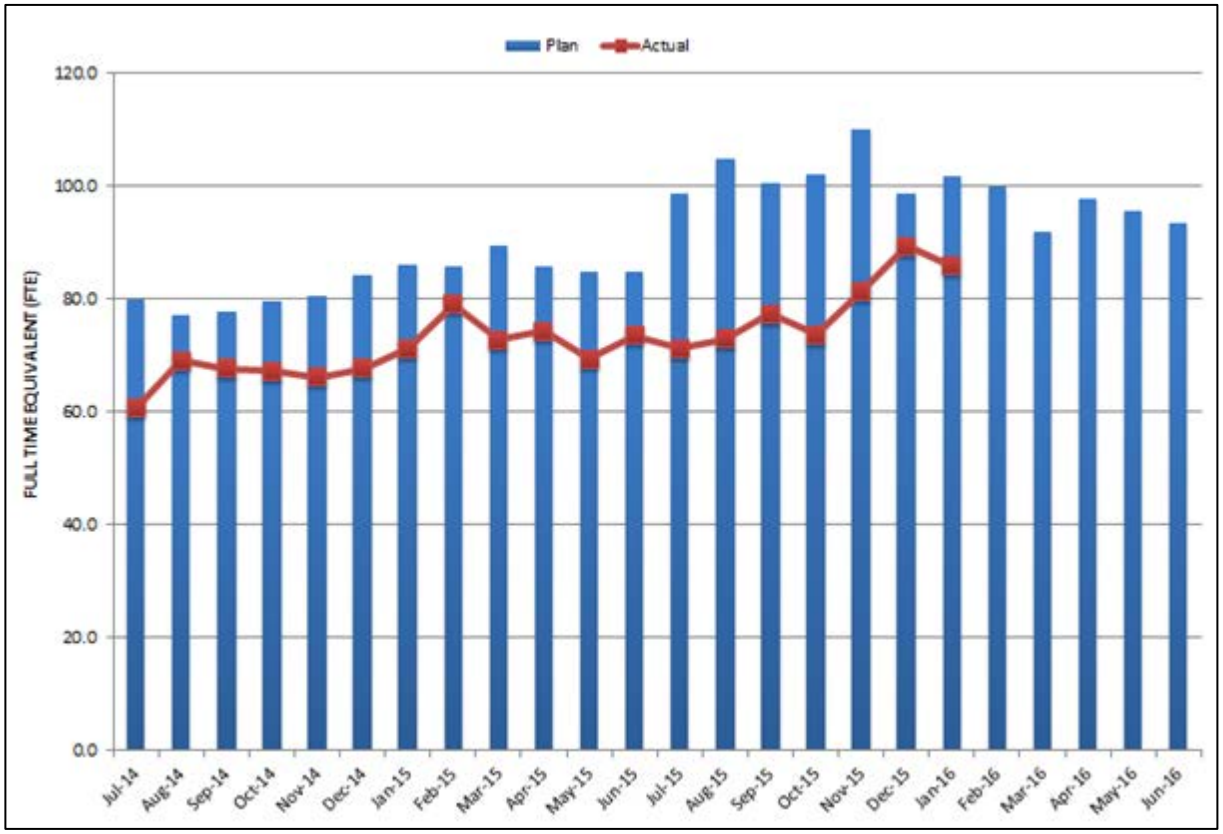
SOURCE	(A) ORIGINAL BUDGET	(B) TOTAL FUNDS ANTICIPATED	(C) TOTAL FUNDS AVAILABLE	(D) COMMITMENTS	(D/B)	(E) EXPENDITURES	(E/B)	(F) BILLED TO FUNDING SOURCE	(F/B)
				$	%	$	%	$	%
FEDERAL - CMAQ	$64.000	$64.000	$64.000	$64.000	100%	$40.868	64%	$40.868	64%
FEDERAL - SECTION 5309 NEW STARTS	$669.900	$669.900	$165.000	$669.900	100%	$141.392	21%	$136.777	20%
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%	$0.000	0%	$0.000	0%
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%	$135.100	100%	$112.696	83%
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	$147.522	52%	$64.235	23%	$64.235	23%
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%	$0.010	0%	$0.010	0%
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	$1,313.386	84.2%	$499.069	32.0%	$472.050	30.3%

EXPENDITURES ARE CUMULATIVE THROUGH JANUARY 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

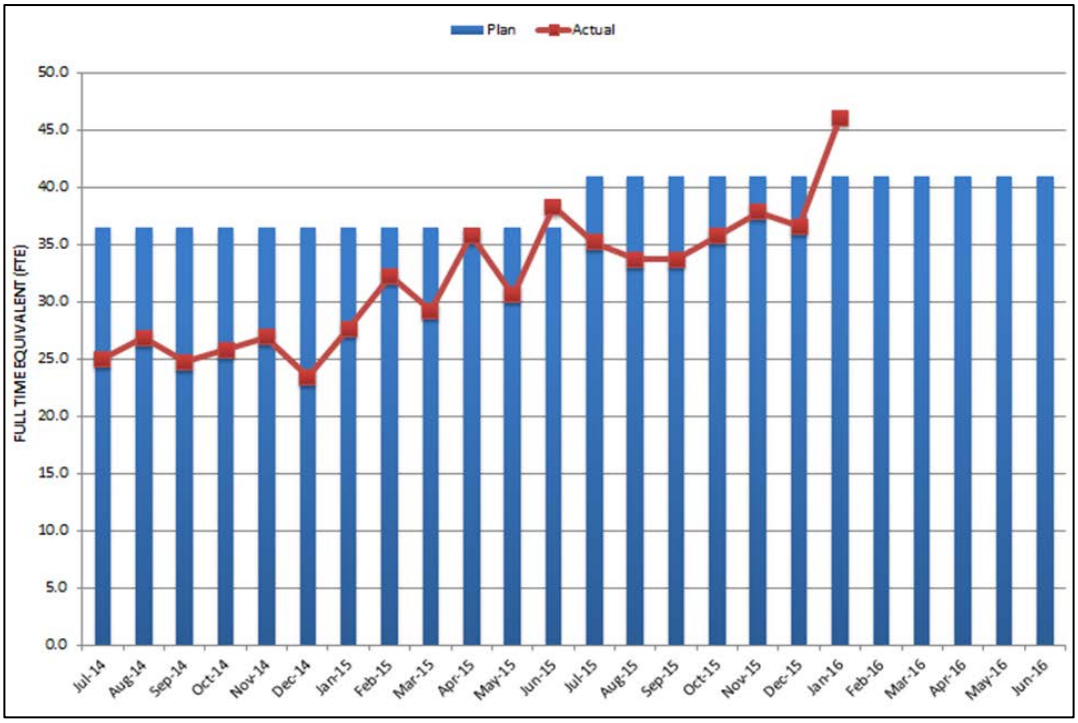


TOTAL PROJECT STAFFING

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

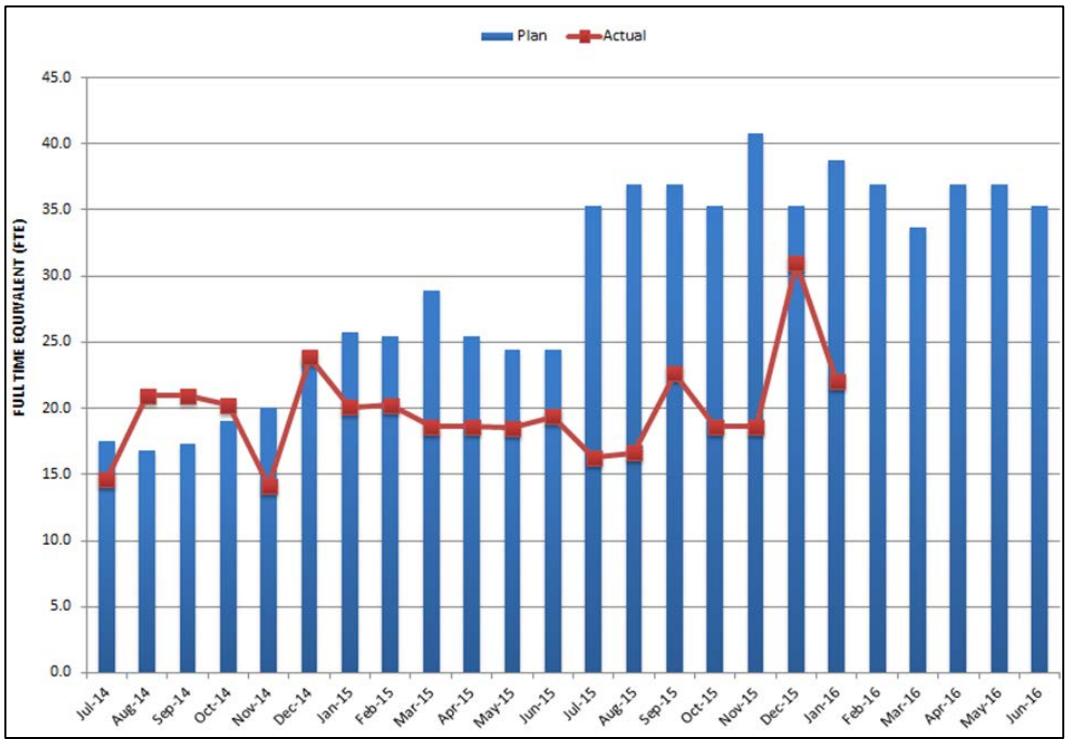
For January 2016, there were a total of 46.0 FTE's for MTA's Project Administration staff and 39.8 FTE's for consulting staff. The total project staffing for January 2016 was 85.8 FTEs. The main variance of FTE's actual (85.8) versus FTE's planned (101.9) is due to changes as a result of schedule delays at various locations resulting in lower staff needs and related charges.,

Metro Staff



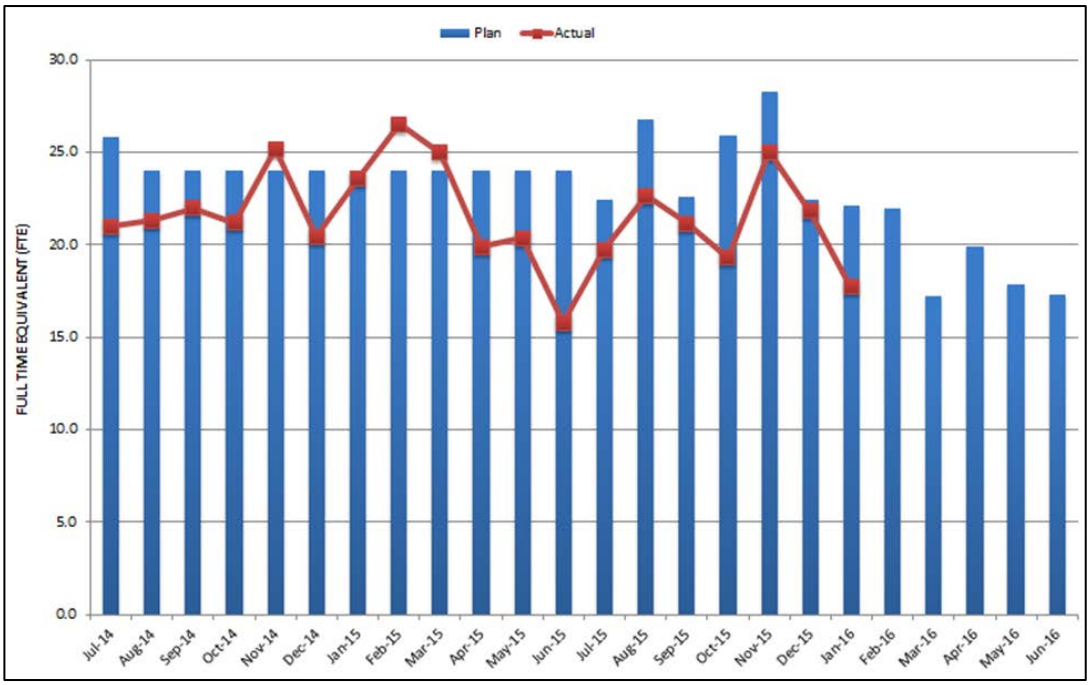
Note: The variance in FTEs is due to Customer Relations for Shoofly

CONSTRUCTION MANAGEMENT SUPPORT 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.

ENGINEERING SERVICES CONSULTANTS



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

Regional Connector- Real Estate Status Summary February 29, 2016

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	7
TCE/ROE	16	7	1	7	7	7	0	0	7
Sub Total Parcels:	**34**	**21**	**5**	**21**	**20**	**15**	**6**	**4**	**18**
Relocations	5								
Total Parcels:	**34**	**21**	**5**	**21**	**20**	**15**	**6**	**4**	**18**

*** (8) TCE/ROE parcels have not been Certified. Totals for Appraisal, Offers Made, Condemnations Filed, and Parcel Available columns corrected (reduced) to remove decertified parcels erroneously being carried in those totals.**

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.*

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. Awaiting comments from Broad's counsel on Agreement. *Working to complete in March 2016.*

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 – Seller signed Agreement January 28, 2016. Processing payments to allow recordation of easement.

Hull's Hope

- RON 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 RON approved at January 2016 Board hearing. Matter closed.

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

REAL ESTATE ACQUISITION (Cont.)

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 Dec. 2016.

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.

ENVIRONMENTAL STATUS

- Pre-Construction Surveys have been completed for 56 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), and the Downtown YMCA. *Pre-Construction Surveys for the City National Bank/Commonwealth Buildings, the Westin Bonaventure, and the 2nd Street Tunnel 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 February 29, 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, and the Japanese Village Plaza. Rights-of-Entry are being negotiated for vibration monitors to be installed at the Colburn School, the Hikari Apartments, and the Nakamura Tetsujiro Building. Locations are based on the Vibration Monitoring Plan to monitor vibration continuously during peak vibration generating construction.

- During January, a Zanja segment was encountered on 2nd Street between Central Ave. and S. San Pedro St. FTA and SHPO were notified. The segment was not impacted, and was protected in place with guidance from the project archaeologist. *In February, it was determined that the contractor would be able to conduct the grouting activity along 2nd Street without impacting the Zanja Madre. The segment will remain protected in place*. Other Zanja segments will be recorded as they are encountered and included in the final package sent to NPS.

- 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 12th Quarterly Mitigation Monitoring and Reporting Plan (MMRP) covering November 2015 to January 2016 to the FTA on February 12, 2016*.

CONSTRUCTION AND COMMUNITY RELATIONS STATUS

Construction Relations

- Responded and addressed project related inquiries from the public received on the project hotline and email.
- *Held daily office hours at the Little Tokyo Community Office.*
- *Continued outreach to impacted area stakeholders regarding utility relocation; station excavation, track relocation, pile and deck installation, tree removal on Flower St and geotechnical instrumentation. Distributed 23 construction notices to the public.*
- *Coordinated construction activities and provided updates on the progress of construction with the following stakeholders:*
  - *Museum of Contemporary Art, The Broad Museum, The Music Center*
  - *Higgins Condo, Emerson Apartments*
  - *Broadway Civic Center*
  - *Japanese Village Plaza - geotechnical instrumentation placement*
  - *Little Tokyo Leaders – 2nd St traffic control plan*
  - *7-high rise buildings on Flower St, Citigroup Center/Hines Property Management, Bank of America building*
- Presented on the progress of construction at the following meetings:
  - *Project Wide Construction Update meeting*
  - *Regional Connector Community Leadership Council: 1st/Central Committee; 2nd/Hope Committee; Flower St/Financial District Committee*
  - *Flower St. Pile Installation Open House*
  - *LARABA, Historical Cultural Neighborhood Council, Little Tokyo Community Council, Arts District Los Angeles, Downtown LA Neighborhood Council*
- *Continued bi-weekly meetings with: L.A. City Councilmember District 14 and the Mayor's office, Los Angeles Times, Little Tokyo Leaders Task Force and Common Wealth Partners*
- *Presented construction updates at the Legislative/Elected Officials Briefing*
- *Briefed Board of Public Works Commissioners on outreach performed in preparation for the 2nd/Broadway intersection closure.*

CONSTRUCTION AND COMMUNITY RELATIONS STATUS (Cont.)

TBM Naming & Art Contest and Safety Program Outreach Efforts

- *Initiated the TBM Naming and Art contest by hosting two workshops*
- *Introduce both programs at the following meetings:*
  - *Regional Connector Community Leadership Council Committees: 1st/Central, 2nd/Hope and Flower St/Financial District.*
  - *Project Wide Construction Update community meeting*
  - *Legislative/Elected Officials Briefing*
  - *Little Tokyo Task Force Leaders*
  - *Flower St Pile Installation Open House*

Social Media Outreach Efforts

- *Facebook had 4,757 "likes", a 4% increase, while Twitter had 1,424 followers, with 67 new followers. Top post on Facebook and Twitter was the 2nd/Broadway intersection closure.*

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 bi-weekly discussions with the Little Tokyo Leaders' Working Group regarding mitigations in context to upcoming construction, particularly on 2nd St. The group meets every two weeks.*
- Continued monthly Eat, Shop, Play (ESP) implementation and promotion of small businesses impacted by construction along the line. ESP provides social media and in-community promotions of area businesses.
- Continued work with the monthly Little Tokyo Marketing & Business Task Force. Sound wall signage graphic design discussions continued for 1st/Central Station area and Mangrove Yard *with installation to begin February 16 for Mangrove.*
- *Metro's sponsored Little Tokyo 2- hour free Validation program originally instituted in line with construction of Shoofly operation was extended through August 31, 2016 per a Metro announcement to lessen impacts in Little Tokyo*

CREATIVE SERVICES STATUS

Art Program

- *Responded to RFIs and Submittals*
- Continued refining artwork opportunities and locations
- Participated in Design Build document reviews
- *Convened Artist Selection Panel*
- 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.
- 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.
- *C0980 contractor RCC reported 51,996 work hours and one recordable injury for the month of January 2016. The total C0980 Contract to Date work-hours through January 2016 are 599,779 and a total of three (3) recordable injuries. The Contract Recordable Injury Rate is 1.0 and the (Bureau of Labor Statistics (BLS) Recordable Injury Rate per 200,000 work hours is 3.2).*
- *Project to Date Work Hours including both the C0980 and the C0981 Advanced Utility Relocation contract are 710,838 hours with 4 recordable injuries with a Project Total Recordable Injury Rate of 1.1. There have been no Days Away or Lost Time injuries.*

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.

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 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.

ADVANCED UTILITY RELOCATION STATUS

Metro terminated contract C0981R for convenience on April 14, 2015, and all remaining work was transferred to C0980 contract. The scope of this work includes the following relocations: LADWP water lines, LADWP power lines, and City of Los Angeles sewer lines.

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

- 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 Street south of 5th Street (Construction): The remainder of the Design Build Contractor's conduit and vault relocation work in Flower Street between 5th & 6th Streets and the LADWP intercept conduit installation, cable pulling, splicing and removal of old facilities were put on hold pending determination of the need for a redesign due to shallower than expected locations for existing power vaults at 6th Street and Flower Street. *The Design Build Contractor completed the potholing investigation to determine if the existing conduits are low enough to avoid conflicts with the decking system on 6th/Flower. Metro met with LADWP to discuss re-design options and LADWP is in the process of developing a conceptual re-design.*

ADVANCED UTILITY RELOCATION STATUS (Cont.)

- 2nd Street and Broadway (Design): A redesign solution was reached for completion of relocation of electrical facilities at the 2nd/Broadway Station. The work essentially has been broken out into two phases; the first phase is the 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 was provided obtained. On January 27, 2016, LABOE approved for construction the remaining portion of Phase 1 and all of Phase 2.

- *At 2nd Street and Broadway (Construction): Phase 1 electrical work will resume in late February 2016, once the full closure has been implemented by the Design Build Contractor. The Design Build Contractor anticipates to turn over the entire area to LADWP at the end March 2016. LADWP is expected to be completed with all remaining intercept, cable pulling and splicing work by late August 2016.*

- At 2nd Street and Spring Street (Construction), LADWP completed the conduit installation portion of their intercept work on January 22, 2016. *LADWP is tentatively scheduled to complete the cable pulling, splicing and removal of old cable for the 2nd/Broadway Station area by late August 2016.*

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

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

- At the 1st and Alameda Street intersection, the Design Build Contractor is continuing work at night on the installation of 6", 12" and 16" water lines.

- *Work on the installation of a 20" water line in Central Avenue is scheduled to begin in early April 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 Jan 9, 2016 were approved until March 21, 2016. Coordination with the City of Los Angeles for an extension is underway. 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, and the future tunnel portal structure in the vicinity of 1st/Alameda.

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 2/27/16 to 7/29/16. 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 1 month (past July 2016) to support soldier piling/decking operations at this location.*

2nd/Hope Station & Flower Street Cut & Cover Area

- *Metro is anticipated to perform K-Rail Lane Closures starting 3/5/16 along the E/S of Flower Street between 4th & 5th Street in support of Soldier Piling/Decking Operations. Coordination with the City is already underway to obtain an exemption for both AM & PM peak periods.*AM & PM Exemptions for the 2nd & Hope full closure have been obtained from 1/23/16 to 4/20/19. This is to support utility relocations, piling/decking operations, and the 2nd/Hope station construction.

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 the Project needs.

In February 2016, LAPD approved time extensions for six existing variances for Flower Street utility relocations 1st/Central and 2nd/Broadway Station construction.

One new variance application was filed in February 2016 for excavating the foot print of the 1st & Central Station and is currently pending.

LAPD did not approve a variance that was filed in for Potholing/Underground Utilities Survey, on Flower Street between 500' south of 5th Street and Wilshire Boulevard and 6th Street between Figueroa and Hope Street.

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.

As of February 5, 2016, Metro in collaboration with CPUC is working on obtaining approval for the Shoofly Safety Certification Process. The certification is being incorporated as an addendum (Revision 1) to the CPUC Approved Safety & Security Certification plan submitted in Nov. 2011. Overall, the document includes guidelines in order to open the Shoofly by the planned date of March 21, 2016.

CPUC attended clearance testing at the Shoofly. This testing is part of a series in preparation for system hand-off from the Contractor to Metro Operations to complete Bus Bridge #1.

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

CHRONOLOGY OF EVENTS (Cont.)

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.

CONSTRUCTION CONTRACTS

Description: Design-Build Contract
Contractor: Regional Connector Constructors (RCC)

Contract No. C0980
Status as of: February 26, 2016

Work Completed:

- DB construction is 8.2% complete as of February 2016.
- Final design is 89.9% complete as of February 2016.
- Metro completed review of AFC over-the-shoulder Flower St, Cut and Cover design plans and Bored Tunnel design documents, 100% Traction Power and Building Protection, 85% Train Control design documents for 2nd/Hope, and completed comment resolution with RCC for the 85% 2nd/Broadway Station design documents.
- RCC completed track drain installation at the Mangrove Yard.
- RCC completed Shoofly rail installation at Little Tokyo Station and rail tie-in near the Buddhist Temple.
- RCC relocated canopy foundation and assembly for Little Tokyo Station South Entrance.
- RCC completed fiber optics cut over and Metro tested trains through Shoofly.
- RCC completed pile installation at the TBM Pit.
- RCC completed the implementation of the temporary full closure for 2nd/Broadway intersection.
- RCC completed installation of 18" SD Laterals at 2nd/Hope.
- RCC completed solider pile installation for Hope St decking.
- RCC completed installation of decking on Hope St.
- RCC completed setup of the 2nd/Hope Yard.
- RCC completed installation of the 12/24" mainline and laterals at 5th/Flower.
- RCC completed DWP duct bank/vault potholing at 6th/Flower.
- RCC completed 30" sewer manhole coring at 4th/Flower.

Major Activities (In Progress):

- Development of final design packages
- RCC continues Bus Bridge # 1.
- RCC continues pile installation at 1st/Central Station and Wye.
- RCC continues systems installation for the shoofly.
- RCC continues station excavation/lagging/struts at 1st/Central Station.
- RCC continues walkway installation at Mangrove.
- 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 geotechnical monitoring install throughout the alignment.
- RCC continues potholing on 2nd St. for permeation grouting.
- RCC continues pile trenching at 2nd/Broadway.
- RCC continues with the installation of electrical duct banks at 2nd/Broadway.
- RCC continues SOE Pile installation at 2nd/Hope.
- RCC continues utility investigation trenching on Flower.
- 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.

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.

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

Major Activities Next Period:

- Metro will review 100% and AFC Design Packages for all three Stations and Train Control at 1st/Central, 100% Floating Slab Track design documents, 85% Flower St. and 2nd St. Civil design and Train Control design documents for 2nd/Broadway.
- RCC will complete Shoofly Testing and safety certification.
- RCC will begin 20" water line cut and plug at Central.
- RCC will begin 1st St Leg SOE.
- RCC will begin to excavate, lay, encase, and backfill for LADWP-Power Laterals at 2nd/Broadway.
- RCC will begin AT&T (Zayo) lowering at 2nd/Broadway.
- RCC will begin Hope Substation Power Drop.
- RCC will demolish the 2nd Place Bridge.
- RCC will begin trench drain installation at 3rd/Flower.
- RCC will begin k-rail implementation, canopy installation and sound wall installation on sidewalk side of Flower between 4th and 5th Sts.
- RCC will locate and expose Zanja between 5th and 6th on Flower (West).
- RCC will trench for new water line between 5th and 6th on Flower (West).

CONSTRUCTION CONTRACTS (Cont.)

Description: Design-Build Contract
Contractor: Regional Connector Constructors (RCC)

Contract No. C0980 (Cont.)
Status as of: February 26, 2016

Date of Award:	5/6/2014
Notice to Proceed:	7/7/2014
Original Contract Duration	2430 CD
Current Contract Duration	2430 CD
Elapsed Time from NTP:	600 CD

	Original Contract Dates	Time Extension	Current Contract	Forecast	Variance CDs
Notice to Proceed	07/07/14	0	07/07/14	07/07/14	0
Milestone 1:	10/22/20	0	10/22/20	03/20/21	-149
Milestone 2:	06/14/20	0	06/14/20	11/24/20	-163
Milestone 3:	05/15/16	0	05/15/16	11/04/17	-538
Milestone 4:	05/27/18	0	05/27/18	02/16/20	-630
Milestone 5:	08/19/19	0	08/19/19	04/20/20	-245
Milestone 6:	09/18/19	0	09/18/19	06/20/20	-276
Milestone 7:	10/10/15	0	10/10/15	03/21/16	-163
Milestone 8:	04/22/18	0	04/22/18	05/06/20	-745
Milestone 9A:	07/14/20	0	07/14/20	10/15/20	-93
Milestone 9B:	10/22/20	0	10/22/20	01/23/21	-93
Milestone 10:	10/12/20	0	10/12/20	05/18/21	-218
Milestone 11:	10/27/20	0	10/27/20	06/02/21	-218
Milestone 12:	03/01/21	0	03/01/21	07/27/21	-148

Time Impact Analyses for added scope of underground utilities are pending reconciliation of recovery plan, schedule and related commercial negotiations. Variances will be addressed once changes are negotiated.

Physical completion as of 01/29/2016:

Design	89.9%
Construction	8.2%
Total Incurred Cost	30.0%

* Note: Physical completion assessment excludes mobilization, general mobilization and Provisional Sum.

Cost Summary: **$ In millions**

1. Award Value:	927.2
2. Executed Modifications:	43.0
3. Approved Change Orders:	19.3
4. Current Contract Value (1+2+3):	989.6
5. Incurred Cost:	297.2

CONSTRUCTION PHOTOS

Mangrove Yard Shoofly

Buddhist Temple Tie-in demolishing at Mangrove Yard

CONSTRUCTION PHOTOS

Deck installation at 2nd/Hope

Flower Street closure

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
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
PCTL	Precast Concrete Tunnel Lining
PE	Preliminary Engineering
PEER	Permit Engineering Evaluation Report
PIP	Project Implementation Plan
PLA	Project Labor Agreement
PM	Project Manager

APPENDIX

LIST OF ABBREVIATIONS AND ACRONYMS (Cont.)

PMIP	Project Management Implementation Plan
PMOC	Project Management Oversight Consultant
PMP	Project Management Plan
P&P	Policies & Procedures
PR	Project Report
PSR	Project Study Report
QA	Quality Assurance
QAR	Quality Assurance Report
QC	Quality Control
QPSR	Quarterly Project Status Report
QTIB	Qualified Transit Improvement Bonds
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