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**TO:** Distribution

**FROM:** Mat Antonelli   
Project Manager

**SUBJECT:** Regional Connector Transit Project  
January 2023 Monthly Project Status Report

Enclosed is the Monthly Project Status Report for the Regional Connector Transit Project. This report contains the Los Angeles County Metropolitan Transportation Authority's (LACMTA) representation of the Regional Connector Transit Project status for the period ending January 27, 2023.

If you have any questions regarding this report or its supporting information, please contact Dan Estrada, Deputy Executive Officer of Program Control at (213) 893-7130.

Enclosure

Los Angeles County  
Metropolitan Transportation Authority

# Regional Connector Transit Project

MONTHLY PROJECT STATUS REPORT

January 2023



**Metro**<sup>®</sup>

# **REGIONAL CONNECTOR TRANSIT PROJECT**

## **MONTHLY PROJECT STATUS REPORT**

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**January 2023**

# TABLE OF CONTENTS

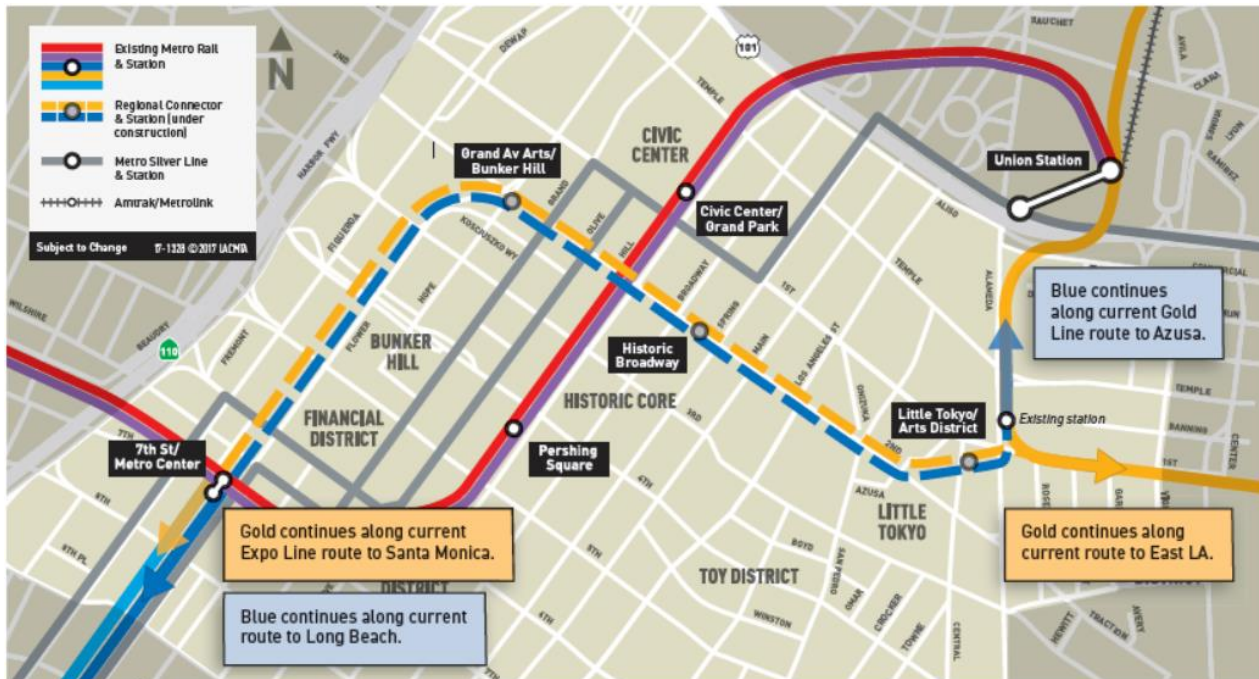
- Project Overview ..... 1**
- Executive Summary ..... 5**
- Project Update ..... 10**
- Project Schedule ..... 10**
  - Progress Summary..... 10
  - Planned vs. Actual Progress..... 10
  - Key Milestones Six-Month Look Ahead ..... 11
  - Major Equipment Delivery..... 11
- Project Cost ..... 12**
  - Project Cost Analysis..... 12
  - Cost Contingency Drawdown and Analysis ..... 14
  - Summary of Contract Modifications..... 16
- Disadvantaged Business Enterprise (DBE) ..... 17**
- Project Labor Agreement ..... 17**
- Financial/Grant ..... 17**
- Project Staffing..... 18**
- Real Estate ..... 20**
- Quality Assurance..... 21**
- Environmental ..... 22**
- Construction and Community Relations..... 23**
- Marketing ..... 23**
- Safety and Security ..... 24**
- Appendix..... 25**
- Chronology of Events**

## PROJECT OVERVIEW

### Project Background

The Regional Connector Transit Project (Project) will link the terminus of the Blue and Expo Lines at 7th/Metro Center to the Gold Line at a new underground Little Tokyo/Arts District Station through a new 1.9-mile underground alignment in downtown Los Angeles. The alignment includes two other underground stations: Grand Av Arts/Bunker Hill; Historic Broadway.

From the existing 7th Street/Metro Center Station, the Project alignment will extend north under Flower Street to 2nd Street. It will then proceed east underneath 2nd Street to just west of Central Avenue where the alignment will veer northeast under privately held property to the new Little Tokyo/Arts District Station at 1st and Central. The alignment continues briefly eastward through a Wye Junction (Wye) constructed beneath the 1st and Alameda intersection. To the north of the Wye at Temple and Alameda, and to the east of the Wye at 1st and Vignes, trains will connect with the Gold Line by rising to the surface through two new transition portals heading north to Pasadena, and east to East Los Angeles.



Upon completion, the Project will in effect facilitate regional light rail service along a 49-mile north-south route – Azusa to Long Beach, and a 23-mile east-west route – East LA to Santa Monica.

Passenger forecasts in 2035, as a result of the improved service, indicate 90,000 daily transit trips will occur through the 1.9-mile downtown trunk, including 17,000 new riders.

The above Project configuration is based on years of planning and environmental work that is reflected in the following milestones:

- Metro Board approval of Alternative Analysis – January 2009
- Initiation of Draft EIS/EIR – February 2009
- Initiation of Preliminary Engineering (PE) – January 2011
- Metro Board certification of Final EIS/EIR – April 2012
- FTA issuance of Record of Decision – June 2012
- PE and Advanced PE complete – March 2013
- FTA award of Full Funding Grant Agreement – February 2014.

### **Major Procurements**

Utility Relocation: Advanced Utility Relocation Contract C0981R was awarded to Pulice Construction, Inc. in January 2014, and the Notice to Proceed (NTP) issued on February 18, 2014. Contract C0981R was terminated for convenience on April 14, 2015, and remaining AUR work was transferred to the C0980 Design/Build (D/B) Contractor.

Guideway & Systems Contract: The Board authorized to solicit a major D/B contract, C0980, in August 2011. A contract was awarded on April 24, 2014, to Regional Connector Constructors (RCC), a joint venture of Skanska USA Civil West California District, Inc. and Traylor Brothers, Inc. in the amount of \$927,226,995. NTP was issued July 7, 2014. The final engineering and design for the joint venture was performed by Mott McDonald.

Vehicles: Metro procured four (4) Light Rail Vehicles (LRVs) for the Project. The vehicles were built and delivered by Kinkisharyo International, LLC under Option 2 of Contract P3010. Delivery and acceptance of four LRVs occurred late 2020.

Rail Operations Center (ROC): The existing functional operations at the ROC have been expanded to accommodate the central control functions associated with five new rail lines to include Regional Connector. The Project has contributed \$4.4M towards this expansion (representing a \$400k forecast increase in May 2021). The ROC expansion is *complete*. Final SIT-2 testing *is continuing with 84% completion reported*.

Fare Collection: Procurement of Universal Fare System and Ticket Vending Machine (TVM) equipment was completed in January 2018 with award to Cubic Corporation. Equipment installation has advanced rapidly since receiving access to station sites. Installation and testing *of all equipment was completed in January 2023*.

## **Program Management**

The RCC contract is being managed by a team of Metro and consultant personnel jointly located at the Integrated Project Management Office (IPMO). The consultant component is comprised of The Connector Partnership, a joint venture between AECOM, Inc. and WSP (CPJV) which provides engineering and design support services while Arcadis, Inc., provides construction management support services. An overview of management staffing of these consultants is provided under the Staffing Section of this report. The on-site program management team is also supported by Metro Headquarters resources to include, but not limited to, engineering, risk management, environmental, quality management, operations, and creative services departments.

Project Budget: In January 2017, the Metro Board revised the Life of Project (LOP) Budget for Regional Connector Transit Project 860228 to \$1.756 billion. The LOP budget for Concurrent Non-FFGA activities related to Project 861228 was increased to \$59.4 million in January 2021. Financing costs are estimated at \$14M. A detailed FFGA budget forecast is included under the Project Cost Section of this report.

Funding has been secured from a variety of sources, detailed in the Financial/Grant Section on Page 18, to include:

- Federal American Rescue Plan Act
- Federal New Starts Grant
- Federal Congestion Management Air Quality and RIP Programs
- State Proposition 1A/1B and Capital Project Loan proceeds
- City of Los Angeles
- Lease revenues.

Construction and Community Relations: The Construction and Community Relations Team is tasked with promoting the Project and performing public outreach within the communities to keep stakeholders informed of construction activities occurring along the Project alignment. To facilitate the communication, community leadership councils have been formed which represent geographic-based constituent groups along the alignment.

The Project is also engaged in social media outreach and various marketing and advertising efforts designed to keep the public informed and supportive of the Project. These efforts are aimed at promoting businesses that are affected by construction. An overview of monthly activities is presented in the Construction and Community Relations Section on Page 23.

Rail Activation: The Project and Metro Operations recognize the extensive planning required in preparation for rail activation of the new regional light rail service the Project will enable through downtown Los Angeles. The training of operators and supervisors across the region has surfaced as a key component to rail activation.

Plans to train operators became reduced as the number of operators was cut nearly 50%. The reduction stems from Operations deciding to limit operator routes to two directions: North/South and East/West rather than opening routes to both options. Agreement with the Operator's Union for the limited approach was successfully negotiated.

This training is now underway and will require continued dedication of time during rail activation to ensure safety.

Planning efforts outlined a sequence of dependent testing, training, simulation, and safety certification. These activities are well underway with broad testing of systems designed to safely run trains and begin training of operators. Continuing reviews of each element leading to start-up continues. Regular interface between Project Management, Operations, Fire Life Safety, Safety and Security, and Communications continue.



## EXECUTIVE SUMMARY

As of January 27, 2023, the Project achieved 98.7% completion based on earned value measurements for design and construction. The focus of the Project is to continue with systems installations and testing, station finishes, and installation of artwork at stations while street and station restorations proceed at the surface. The following is an overview of current activities.

### Design Status

While design has been completed, efforts directed toward final RFIs, and quality issues continue to ensure and appropriate handling of field questions.

### Construction Status

1st Street Cut & Cover Tunnel & U-Channel: *Complete.*

Wye Structure: *Complete.*

Alameda Street Cut & Cover Tunnel & U-Channel: Completed *barrier rail installation.*

Little Tokyo/Arts District Station: In the station box, completed trash receptacles and map cases. *Continued cladding installation at the escalators.* In the lower ancillary, continued handrail grounding. In the upper ancillary, *continued handrail grounding.* In the Plaza area, completed *cladding installation at the service stair/elevator structure.* Continued portal roll-up grilles, escalator *installations*, colored concrete paving, cladding at the enclosures, communication installations. *Started the CMU wall foundation, and the planter landscaping.*

Reach 1 Tunnels Section (Little Tokyo/Arts District Station to Crossover Cavern): *Complete.*

Historic Broadway Station: At the platform level, completed cladding, map cases, benches, and trash receptacle installations. At the concourse level, completed *map case installation.* Continued escalators, and metal ceiling panels. *Re-started mosaic tile installation.* At the Ancillary level, completed *light boxes.* At the Plaza level, completed *granite paving, canopy glazing, fencing, bike rack installation, landscape irrigation and landscaping.* Continued escalators, handrail, column cladding, enclosure cladding, *portal roll-up grilles, trash receptacle, map cases, communications installations, utility relocations and street restoration.*

Reach 2 Tunnel Section (Historic Broadway Station to Grand Av Arts/Bunker Hill Station): *Complete.*

Grand Av Arts/Bunker Hill Station: At the platform level, completed escalators, platform end gates, floor caulking, map case, benches, and trash receptacle installations. *Started, TPIS Monitor retrofit.* At the concourse level, completed *floor caulking, map case, and trash receptacle and light box installations.* Continued the installation of PL 1-6 elevators. At the Plaza, completed *ticket vending machine installation.* Continued metal cladding installation, portal roll-up grille installations, *landscaping, and communications installations.* *Started map case, benches, and trash receptacle installations.* At the Upper Plaza, completed *ticket vending machine* installation, and glazing installation at PL 1-6 elevator hoistways. *Continued metal cladding installation. Started map case installation.* Pedestrian Bridge glass barrier was *removed, and the temporary railing was installed.* Replacement samples are being fabricated to replace rejected components. *Continued* street restoration at *Southbound Flower, Northbound Flower Street, Hope Street and 2nd Place.*

Flower Cut & Cover Tunnel: Continued *final street restorations.*

### **Schedule Summary**

Substantial Completion 1.1 was completed June 27, 2022. It acknowledged completion of the guideway, station platforms, traction power, and train control systems throughout the alignment.

The milestone facilitates Metro Operations to proceed with its SIT-2 testing and Rail Activation. Operations-led testing, training, and rail activation underway with growing involvement from other Departments as well.

Redefinition of Substantial Completion Milestone 1.2 now includes the balance of SIT-1 testing. These tests demonstrate the safe functionality of the system for full turnover of the Project to Metro Operations. This milestone was achieved December 27, 2022. However, some systems are not fully accepted requiring specific workarounds to initiate pre-revenue operations.

A third milestone (1.3) will capture the balance of station finishes and street level restorations that are separate from operational testing, training, and safety certification.

### **Cost Summary**

Project costs continue to track within budget. Unallocated contingency as of *January 2023* was \$38 million. The increase in contingency is reflective of Metro's decision to remove COVID-19 from the forecast as it will be managed as an element of the rail program at-large.

To date, the design and construction changes related to base scope represent 9.0% of the contract value. There is one notice of intent to claim by RCC. The notice relates to Historic Broadway Station SOE stability issues. Detailed cost and budget information begins on Page 12.

### **Coronavirus Impacts**

It remains unclear as to what extent the Coronavirus (COVID-19) has impacted the Project. RCC has notified Metro of work inefficiencies through a formal Request for Change ( RFC), however, delivery of supporting evidence and analysis remains undelivered. While RCC asserts impacts to material supply chains, especially related to stainless steel, special trackwork, conduit deliveries, and electrical equipment have occurred leading to subsequent delays to installations and with testing for a net unmitigated impact of 214 days. RCC continues to follow local, state, and federal regulations related to COVID-19 to maintain operations.

### Key Management Concerns

Item 1: RCC has not been able to keep pace with the systems testing requirements due to several recurring issues including: technical troubleshooting of existing systems; troubleshooting the integration of new and existing systems interfaces; insufficient joint-venture and or subcontractor resources; limited track allocation access; and limited Metro operational resources resulting from emergencies elsewhere in the rail network.

Status/Action: RCC have re-sequenced all remaining activities with status reviewed weekly together with Metro. Priorities are assigned with correlated planning and communication with Metro Operations. These communications look to maintain a coordinated three-part focus (Project, Operations, and RCC) on work needed to effectively progress.

Focused meetings between the Project, Operations and Safety continue to determine the path-forward to completing Rail Activation and initiating fully simulated operations. Once established, an update of the Project Master Schedule will be revised.

*Item 2: Concern for noted movement of plenum structure at Historic Broadway Station crossover. Metro engineers, together with RCC's EOR, are reviewing designs and quality documentation to determine precisely why deflection of approximately one-half inch has occurred.*

*Once determined, a comprehensive design to correct the situation will be reviewed, approved, and built into the facility. Through each step, safety has been the first consideration. The same attention to safety will prevail as the solution is put into place.*

*Direct delays to the RSD stemming from the issue have not surfaced. Assuming the issue and its solution progresses as planned, Metro Operations will be able to continue preparations for extended simulated operations by early March.*

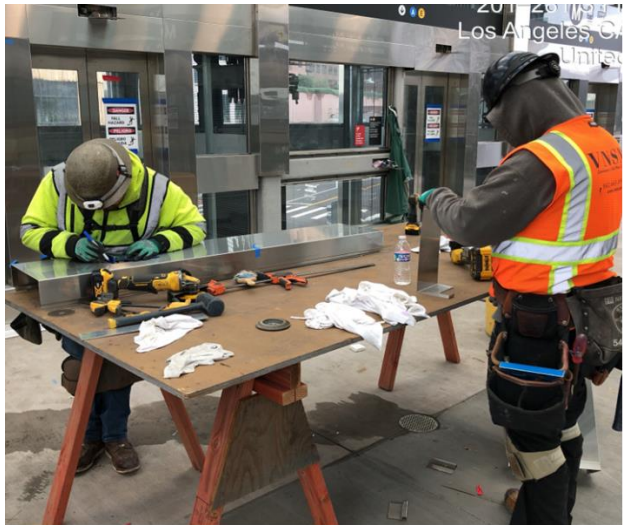
Project Construction Photos



Installation of glass exit door at Little Tokyo/Arts District Station north Plaza



LAFD/LAPD station train fire drill at Little Tokyo/Arts District Station



SS cladding installation for elevator towers at Grand Av Arts/Bunker Hill Station Upper Plaza



Installation and wiring of photographic light boxes at Concourse Level at Grand Av Arts/Bunker Hill Station Upper Plaza



Concrete placement at west Spring St



Curb and gutter placement at southbound Flower St









**Progress Summary**

	Status	Change from Last Month	Comment
Forecast Revenue Service		None	
<b>Final Design Progress:</b>			
Contract C0980	100%	NA	
<b>Construction Contracts Progress:</b>			
Contract C0981R & C0980	98.6%	1.0%	

**Note:** Construction Progress excludes General Requirements, Construction and Design Mobilization, Final Design and Provisional Sum costs (Schedule C). Progress values include executed modifications and change orders.

**Key Milestone Six-Month Look Ahead**

	Milestone Date	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23
Complete Pocket Doors at Grand Ave / Bunker Hill Station	09/16/22 A	⬡					
Complete Plaza Granite Paving at Little Tokyo / Art District Station	09/16/22 A	⬡					
Complete Emergency Ventillation Fans at Wye Fan Plant	10/07/22		⬡				
Complete Plaza Concrete Paving at Historic Broadway Station	10/10/22		⬡				
Complete Escalators at Grand Ave / Bunker Hill Station	10/10/22		⬡				
Complete Plaza Architectural Finishes at Grand Ave / Bunker Hill Station	10/21/22		⬡				
Complete Stainless Steel Enclosures at Little Tokyo / Art District Station	11/07/22			⬡			
Complete Elevators at Grand Ave / Bunker Hill Station	11/18/22			⬡			
Complete Plaza Architectural Finishes at Little Tokyo / Art District Station	12/06/22				⬡		
Complete Escalators at Little Tokyo / Art District Station	01/16/23					⬡	
Complete Systems Integration Testing - Phase 1 & 2	02/17/23						⬡
Complete Fare Collection System Installation	01/30/23					⬡	

 MTA Staff	 MTA Board Action	 FTA (Federal Transit Administration)	 Utility Company
 Other Agencies	 Contractors	 Design Consultant	 C0980 D/B Contractor

**Major Equipment Delivery**

**Metro Supplied Equipment**

Equipment	Initial Procurement	Scheduled Delivery	Scheduled Installation
LRT Vehicles	(NTP) 08/20/2012 A	Option 2 12/31/2020 A	N/A
Ticket Vending Machines	~ 01/30/2018 A	07/08/19 A (warehoused)	08/2022 01/2023

## PROJECT COST

### Project Cost Analysis – 860228

REGIONAL CONNECTOR TRANSIT CORRIDOR PROJECT (860228)

COST REPORT

DOLLARS IN THOUSANDS

SCC CODE		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	0	272,628	0	274,435	0	273,965	0	272,604	-24
20	STATIONS, STOPS, TERMINALS, INTERMODAL	354,268	219,477	0	239,321	0	238,337	1,085	233,147	11	238,523	-798
30	SUPPORT FACILITIES: YARDS, SHOPS, ADMIN, BLDGS	0	0	0	0	0	0	0	0	0	0	0
40	SITWORK & SPECIAL CONDITIONS	141,785	422,453	0	627,885	54	612,668	828	595,565	54	624,792	-3,093
50	SYSTEMS	69,667	73,848	0	76,452	32	70,892	386	66,971	32	73,703	-2,750
	CONSTRUCTION SUBTOTAL (10-50)	846,343	920,468	0	1,216,286	86	1,196,332	2,299	1,169,649	96	1,209,622	-6,664
60	ROW, LAND, EXISTING IMPROVEMENTS	115,889	74,208	0	59,946	0	61,034	0	60,973	0	61,397	1,451
70	VEHICLES	16,275	16,275	0	16,275	0	16,275	0	15,185	0	16,275	0
80	PROFESSIONAL SERVICES	261,455	257,973	0	404,158	202	392,911	1,808	376,994	-832	403,946	-212
	SUBTOTAL (10-80)	1,239,963	1,268,925	0	1,696,666	287	1,666,552	4,106	1,622,802	-736	1,691,240	-5,425
90	UNALLOCATED CONTINGENCY	135,399	126,892	0	32,675	0	0	0	0	736	38,101	5,425
100	FINANCE CHARGES	27,571	7,115	0	14,301	0	0	0	0	0	14,301	0
	TOTAL PROJECTS (10-100)	1,402,932	1,402,932	0	1,743,642	287	1,666,552	4,106	1,622,802	0	1,743,642	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	0	19,000	0	20,425	0
	TOTAL PROJECTS (EVN/PLAN'G)		24,200	0	26,500	0	26,500	0	25,075	0	26,500	0
	TOTAL	1,402,932	1,427,132	0	1,770,142	287	1,693,051	4,106	1,647,877	0	1,770,142	0

NOTE: EXPENDITURES ARE CUMULATIVE THROUGH JAN 2023.

METRO AND TRIBUNE AGREED ON REIMBURSEMENT OF ~\$1.6 MILLION RELATED TO 2ND/BROADWAY OVERBUILD.

#### Original Budget:

The Original Budget of \$1.427 billion reflects the April 2014 Board approved LOP Budget, plus finance costs of \$7.1 million.

#### Current Budget:

In January 2017, the Metro Board revised the LOP Budget for Project 860228 to \$1.756 billion to reflect the current and present Project scope. Finance costs, estimated at \$14.3 million, are also reflected leading to a total of \$1.770 billion.

#### Commitments:

Overall commitments increased by \$0.3 million this month to \$1.69 billion, representing 95.4% of the Current Budget.

#### Expenditures:

Expenditures are cumulative through *January 2023* and increased by \$4.1 million this month for costs across the Project. One billion six hundred *fifty* million (\$1.65 billion) in expenditures to date represent 93.1% of the Current Budget.

#### Current Forecast:

The total current forecast remains equal to the total current budget at \$1,770 million. However, this month unallocated contingency increased by \$0.7 million. The remaining balance amount is considered sufficient to cover the cost for the remaining of the Project.



### Project Cost Analysis – 861228

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

SCC CODE		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	0
20	STATIONS, STOPS, TERMINALS, INTERMODAL	0	0	0	0	0	0	0	0	0	0
30	SUPPORT FACILITIES: YARDS, SHOPS, ADMIN, BLDGS	10,480	0	0	0	0	0	0	0	0	0
40	SITework & SPECIAL CONDITIONS	0	0	13,548	0	13,548	0	13,548	0	13,548	0
50	SYSTEMS	0	0	5,950	0	5,514	0	5,514	0	5,950	0
	CONSTRUCTION SUBTOTAL (10-50)	10,480	0	19,498	0	19,062	0	19,062	0	19,498	0
60	ROW, LAND, EXISTING IMPROVEMENTS	27,748	0	38,377	0	38,377	0	37,475	0	38,377	0
70	VEHICLES	0	0	0	0	0	0	0	0	0	0
80	PROFESSIONAL SERVICES	650	0	1,150	0	776	2	463	0	1,150	0
	SUBTOTAL (10-80)	38,878	0	59,025	0	58,215	2	57,000	0	59,025	0
90	UNALLOCATED CONTINGENCY	1,113	0	365	0	0	0	0	0	365	0
100	FINANCE CHARGES	0	0	0	0	0	0	0	0	0	0
	TOTAL PROJECTS (10-100)	39,991	0	59,389	0	58,215	2	57,000	0	59,389	0
	861228 TOTAL	39,991	0	59,389	0	58,215	2	57,000	0	59,389	0

NOTE: EXPENDITURES ARE CUMULATIVE THROUGH JAN 2023.

#### Original Budget:

The Original Budget reflects the Board approved LOP Budget established April 24, 2014.

#### Current Budget:

In January 2021, the Metro Board approved a budget increase of \$12.9 million for the Early Completion Incentive Agreement increasing the Project 861228 LOP budget to \$59.4 million, to reflect the current Project scope.

#### Commitments:

Commitments remained unchanged this month to \$58.2 million which represents 98% of the Current budget.

#### Expenditures:

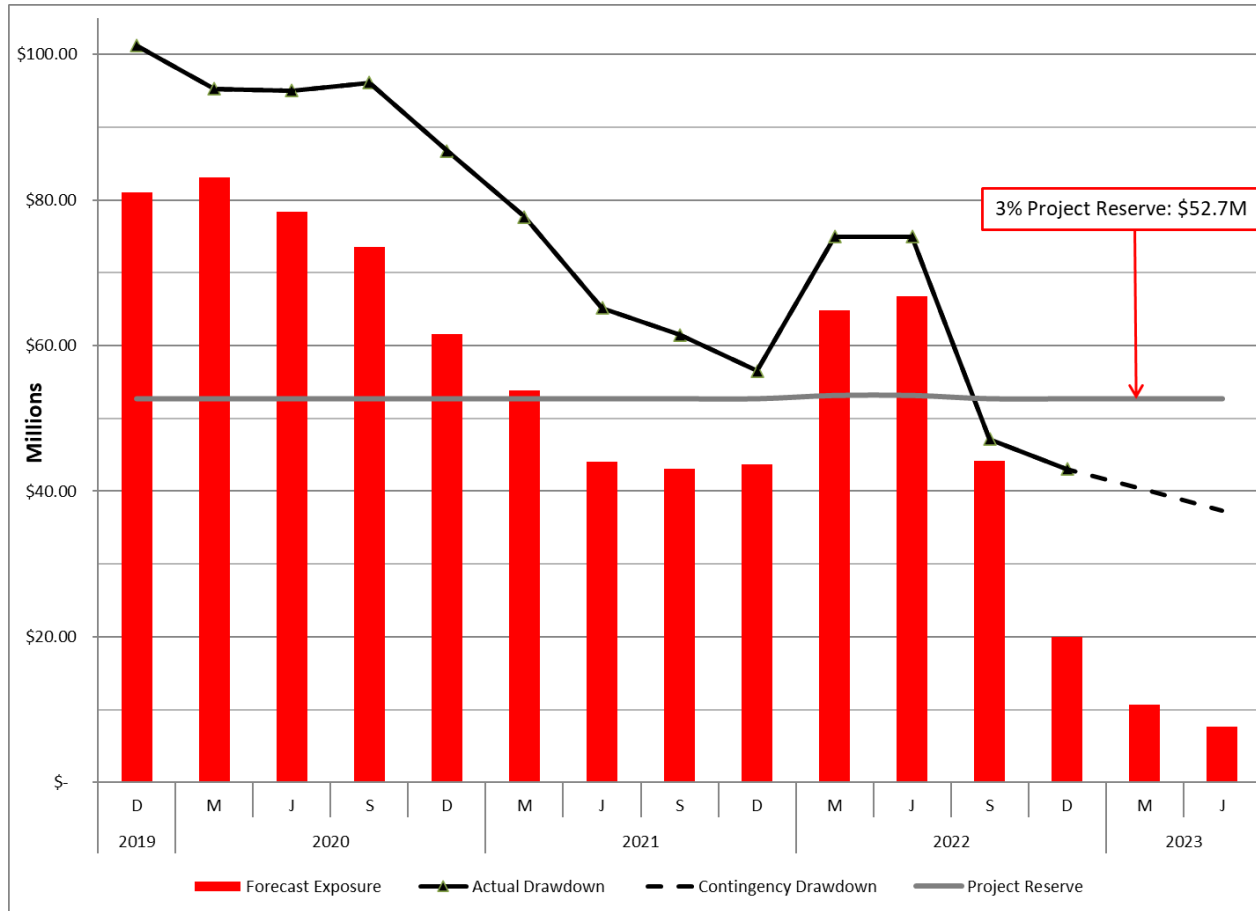
Expenditures are cumulative through *January 2023* and increased by \$0.002 million this month related to RCC. Fifty-seven million (\$57) in expenditures to date represent 96.0% of the Current Budget.

#### Current Forecast:

The total current forecast remains equal to the total current budget.

PROJECT COST CONTINGENCY						
DOLLARS IN THOUSANDS						
	Original Contingency	LOP Contingency	Previous Period	Current Period	To-Date	Remaining Contingency (Forecast)
Unallocated Contingency	124,919	89,946	(35,131)	736	(51,845)	38,101
Allocated Contingency	86,345	92,809	(87,120)	11	(87,109)	5,699
<b>Total Contingency</b>	<b>211,263</b>	<b>182,754</b>	<b>(122,251)</b>	<b>746</b>	<b>(138,954)</b>	<b>43,800</b>

### Cost Contingency Drawdown



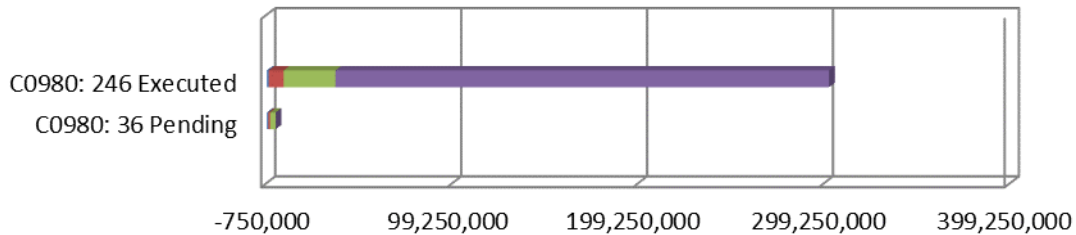
### Cost Contingency Drawdown Analysis

The Cost Contingency Drawdown curve reflects cost commitments and forecast exposure, thereby providing a depiction of overall contingency status. Basing the drawdown on exposures rather than executed contract modifications eliminates the administrative processing time involved to finalize contract modifications from the drawdown projections. Planned expenditures per quarter have also been updated to reflect the current schedule and risks. The Project reached the 3% Project Reserve (Total Contingency) threshold in 1<sup>st</sup> quarter of FY23.

In *January* there was an increase of \$0.7 million in unallocated contingency. The Project has been directed to remove COVID-19 risks from the cost forecast with an expected value of \$25 million. The remaining unallocated contingency is \$38 million.

**Summary of Contract Modifications**

**Contract Modifications (MODs) by Cost Level**



	C0980		Total
	246 Executed	36 Pending	
■ Under \$100K	981,411	748,828	1,730,239
■ \$100K to \$250K	8,067,843	1,050,000	9,117,843
■ \$250K to \$1M	27,866,244	2,975,000	30,841,244
■ Over \$1M	265,616,680	-	265,616,680
<b>Total Contract MODs</b>	<b>302,532,178</b>	<b>4,773,828</b>	<b>307,306,006</b>
<b>Contract Award Amount</b>	<b>927,226,995</b>	<b>927,226,995</b>	
<b>% of Contract MODs</b>	<b>32.6%</b>	<b>0.5%</b>	

Note:

1. Percent of Contract MODs equals the Total Contract MODs divided by the Contract Award Amount.
2. Pending Mods are under negotiation.

Two hundred and forty-six (246) changes with a total value of \$302.5 million have been executed since NTP of Contract C0980. An additional 36 changes, with a total estimated value of \$4.8 million, are pending. Of the \$298.9 million in executed modifications, \$30.3M are funded from Eastside Access Project, Non-FFGA Project, and Metro Ops \$5.0M, \$19.4M, and \$5.9M, respectively.

## DISADVANTAGED BUSINESS ENTERPRISE (DBE)

As of *December 2022*:

<b>DBE Commitment – Design</b> The percentage of funds apportioned to Design Contracts	22.63%
<b>Current DBE Commitment Design</b> Total DBE Committed Dollars divided by Total Contract Value for Design	\$16.8M (22.63%)
<b>Current DBE Participation</b> Total amount paid to date to DBEs divided by the amount paid to date to Prime	24.56%

Fourteen (14) Design DBE sub-consultants have been identified to date.

<b>DBE Commitment – Construction</b> The percentage of funds apportioned to Construction Contracts	18%
<b>Current DBE Commitment Construction</b> Contract commitment divided by current contract value for Construction	\$204.1M (18%)
<b>Current DBE Participation</b> Total amount paid to date to DBEs divided by the amount paid to date to Prime	20.86%

Construction DBE sub-contractors that have been identified increased to one hundred thirty-four (134).

## PROJECT LABOR AGREEMENTS (PLA)

As of *December 2022*:

<b>Targeted Worker Goal</b> Construction work to be performed by residents from Economically Disadvantaged Area in the United States	40.00%
<b>Targeted Worker Current Attainment</b>	62.63%
<b>Apprentice Worker Goal</b> Construction work to be performed by Apprentices	20.00%
<b>Apprentice Worker Current Attainment</b>	20.24%
<b>Disadvantaged Worker Goal</b> Construction work to be performed by Disadvantaged Workers who are residents of the United States	10.00%
<b>Disadvantaged Worker Current Attainment</b>	10.69%

## FINANCIAL/GRANT

### Status of Funds by Source

January 2023

SOURCE	ORIGINAL BUDGET	TOTAL FUNDS ANTICIPATED	TOTAL FUNDS AVAILABLE	COMMITMENTS		EXPENDITURES		BILLED TO FUNDING SOURCE	
				\$	%	\$	%	\$	%
FEDERAL - CMAQ	\$64.00	\$228.01	\$64.00	\$175.43	77%	\$130.26	57%	\$64.00	28%
FEDERAL - SECTION 5309 NEW STARTS	\$669.90	\$669.90	\$669.90	\$669.00	100%	\$669.00	100%	\$661.30	99%
FEDERAL - SECTION 5309 NEW STARTS - AMERICAN RESCUE PLAN ACT		\$ 59.23	\$59.23	\$59.23	100%	\$59.23	100%	\$0.00	0%
FEDERAL - RIP	\$0.00	\$1.41	\$1.41	\$1.41	100%	\$1.41	100%	\$1.41	100%
MEASURE R - TIFIA LOAN****	\$160.00	\$141.89	\$141.89	\$141.89	100%	\$141.89	100%	\$141.89	100%
MEASURE R BONDS****	\$0.00	\$18.11	\$18.11	\$18.11	100%	\$18.11	100%	\$18.11	100%
STATE PROPOSITION 1A HSRB *	\$114.87	\$114.87	\$114.87	\$114.87	100%	\$114.87	100%	\$114.87	100%
STATE PROPOSITION 1B PTMISEA **	\$149.50	\$135.16	\$135.16	\$135.16	100%	\$135.16	100%	\$135.16	100%
STATE STIP RIP	\$2.59	\$19.55	\$15.90	\$19.55	100%	\$19.55	100%	\$10.69	55%
STATE CAPITAL PROJECT LOANS - OTHERS ***	\$132.47	\$220.66	\$236.38	\$224.14	102%	\$224.14	102%	\$224.14	102%
MEASURE R	\$27.57	\$0.00	\$0.00	\$0.00	0%	\$0.00	0%	\$0.00	0%
CITY OF LOS ANGELES	\$41.98	\$41.98	\$41.98	\$41.98	100%	\$41.98	100%	\$41.98	100%
ROW LEASE REVENUES	\$64.25	\$19.85	\$19.85	\$19.85	100%	\$19.85	100%	\$19.47	98%
GENERAL FUND - METRO	\$0.00	\$85.21	\$79.80	\$72.42	85%	\$72.42	85%	\$120.04	141%
<b>TOTAL</b>	<b>\$1,427.13</b>	<b>\$1,755.84</b>	<b>\$1,598.49</b>	<b>\$1,693.05</b>	<b>96%</b>	<b>\$1,647.88</b>	<b>94%</b>	<b>\$1,553.07</b>	<b>88%</b>

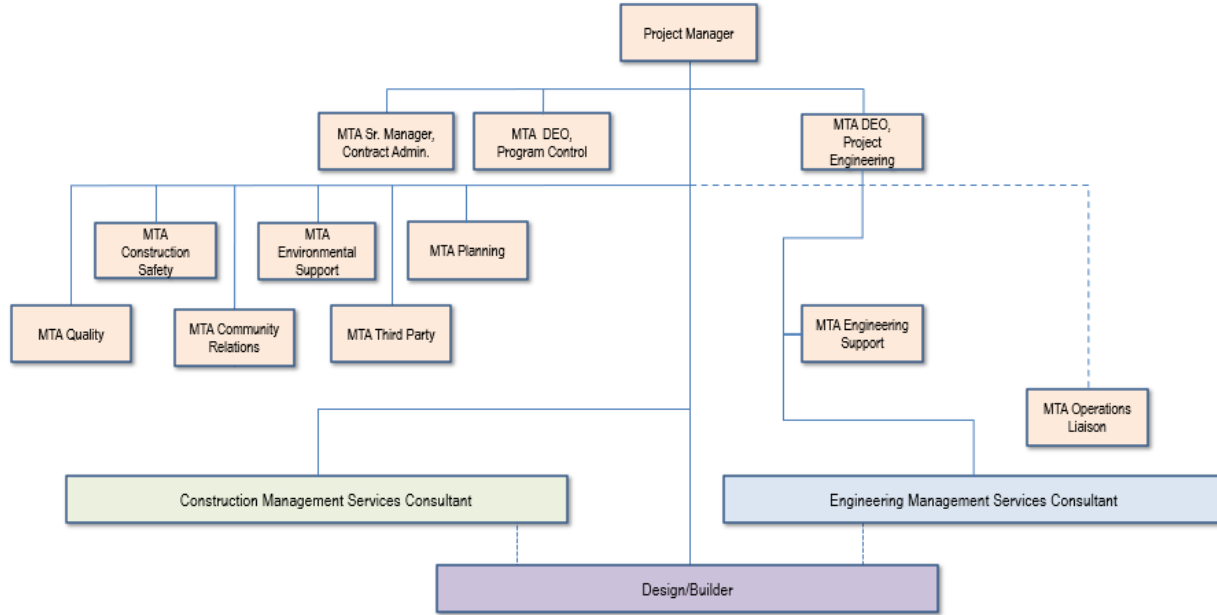
NOTES:

1. EXPENDITURES ARE CUMULATIVE THROUGH JANUARY 2023.
  2. METRO AND TRIBUNE AGREED ON REIMBURSEMENT OF \$1.6 MILLION RELATED TO 2ND/BOARDWAY OVERBUILD.
  3. ORIGINAL BUDGET BASED ON FUNDING PLAN INCLUDED IN THE APPROVED FULL FUNDING GRANT AGREEMENT
  4. LACMTA RESERVES THE ABILITY TO UPDATE COSTS AND CHANGE FUND SOURCES AS REQUIRED.
- \* STATE PROPOSITION 1A HIGH SPEED RAIL BONDS  
 \*\* STATE PROPOSITION 1B PUBLIC TRANSPORTATION MODERNIZATION, IMPROVEMENT AND SERVICE ENHANCEMENT ACCOUNT  
 \*\*\* OTHERS INCLUDE TDA ADMINISTRATION, AND NB PROPOSITION A ADMINISTRATION (FOR A TOTAL OF \$.255M)  
 \*\*\*\* OTHERS INCLUDE TDA ADMINISTRATION, AND NB PROPOSITION A ADMINISTRATION (FOR A TOTAL OF \$.255M)  
 \*\*\*\*\* TIFIA LOAN CLOSED ON AUGUST 27, 2020. BALANCE OF ORIGINAL TIFIA BUDGET WILL BE MEASURE R BONDS.

State Capital Project Loans require reconciliation.

## PROJECT ORGANIZATION AND STAFFING

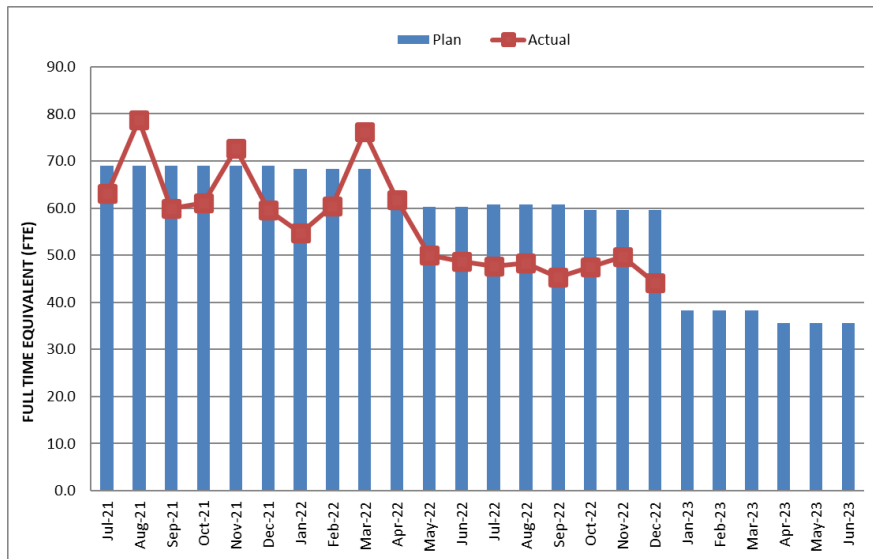
The D/B contract is being managed by a joint team of Metro and consultant personnel located at the Integrated Project Management Office (IPMO).



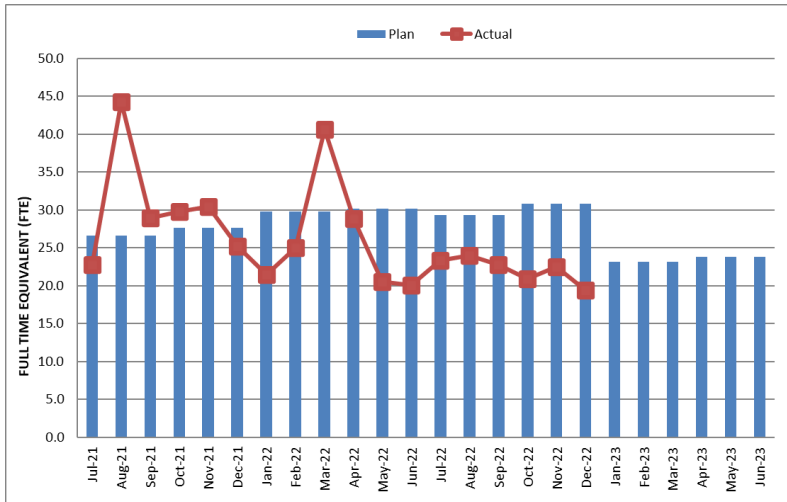
Updated: 03/2021

The overall FY23 Total Project Staffing plan averages 40.1FTEs per month. The total actual project staffing for *December 2022* was *44.12*; *19.45 FTEs* for Metro's Project Administration staff and *24.7 FTEs* for consulting staff. Consulting staff FTEs are based on monthly invoice billable hours. Review of staffing plans is on-going to ensure staffing needs are appropriately managed. Metro August and March actual FTEs doubled the forecast number due to Bus Bridge closure, Operations training, and incorrect charging. Corrections will be adjusted.

### Total Project Staffing – Metro and Consultants



### Metro Staff



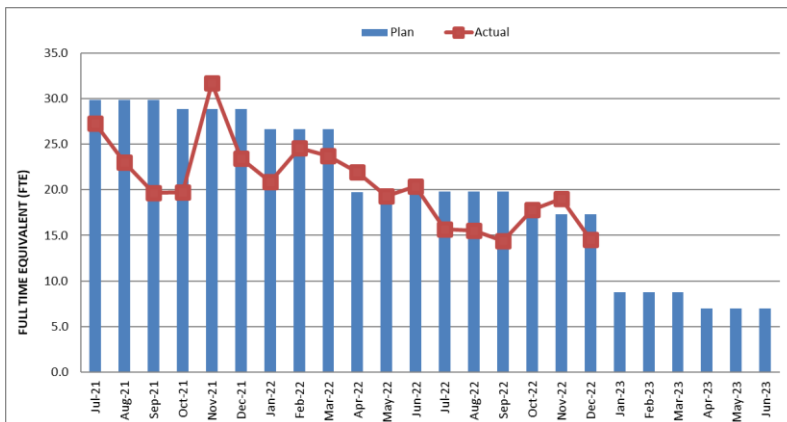
### Staffing by Group

The opposing graphs represent planned vs. actual staffing levels by group.

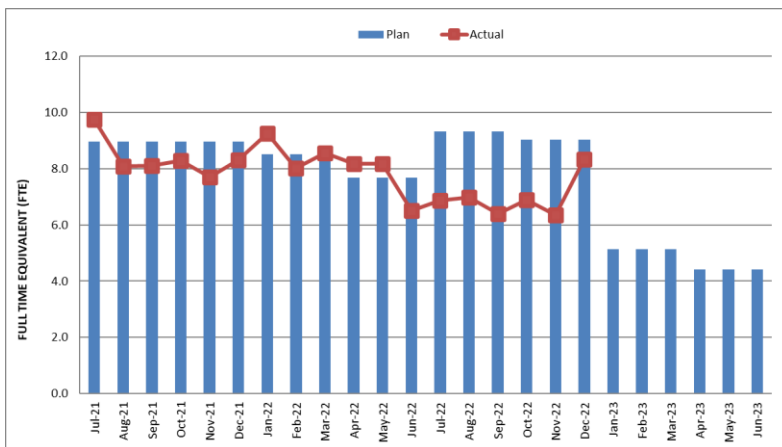
Metro staffing includes full-time staff located in the IPMO as well as part-time support located at Gateway Headquarters.

Staffing plans are developed for each fiscal year based on Project needs.

### CM Support Services Staff (Consultant)



### Engineering Services Staff (Consultant)



All above data through December 2022

## REAL ESTATE

### Open Real Estate Matters

#### Department of Water and Power 'Duco Yard' – DWP (RC-473)

- The Purchase Agreement has been reviewed and accepted by Metro. The Chief Administrative Officer has approved the agreement; now pending LADWP Board approval. City Council approved the agreement in early May. The agreement has been signed, pending original to open escrow. Once escrow is opened LADWP will provide the executed deeds. Coordinating with LADWP on finalizing deed for execution. Metro has executed escrow documents and submitted payment, pending LADWP executed escrow documents. Documents executed during the period, pending a final exhibit to close. *Title required new legal and plat for permanent the interest, both documents have been prepared and submitted to title for review.*

#### 2nd and Hope

- City of Los Angeles Parcel - The City agreed to the transfer based on the City's and LACMTA's Memorandum of Agreement. The City finalized conveyance documents and is coordinating council action to approve. City approved the motion, LACMTA Real Estate coordinating with City of LA BOE on next steps to transfer property. The Project has approved the purchase price, Real Estate coordinating with City on transaction process. The City confirmed the property is subject to the Surplus Land Act. City staff is working on Council motion to declare property as exempt surplus property. Once the motion/declaration is approved, the City can proceed with transfer. The City has received all City approvals and has forwarded the exempt surplus property request to Housing and Community Development for concurrence of the transfer. Purchase and Sale Agreement with the City for review and approval by Council. PSA has to be approved by Public Works Committee, scheduled for early January 2023. *PWC approved the sale, pending City Council approval which is the last step before a PSA can be executed.*
- The GTK Way: A settlement has been reached; purchase agreement from the City is pending. City and Metro have negotiated the final PSA, pending Council motion approving PSA, City staff is coordinating. Escrow expected to close in mid-December. PSA has to be approved by City of Los Angeles Public Works Committee, scheduled for early January 2023. *PWC approved the sale, pending City Council approval which is the last step before a PSA can be executed.*



## QUALITY ASSURANCE

Metro QA performed the following activities during the month of *January 2023*:

- Performed oversight verification of RCC's design and construction activities.
- Attended CQWP and "Readiness Review" meetings with RCC.
- Reviewed and provided comments on RCC's Quality related submittals.
- Attended daily meeting/briefing, CMSS personnel.
- Attended weekly Quality Review Meetings and weekly SIT with RCC Quality Management.
- Reviewed test results for Portland Cement Concrete, Soils Testing, Asphalt Testing and Non-Destructive Testing of Welding, OCS testing/commissioning, inspect/review Train control System Integration Testing results (SITs), Sealing water leaks repair observation/inspection and reports review, Communication testing/reports review-Commissioning, electrical system testing/reports review and commissioning, and as-built submittals review.
- Metro issued C0980-NCR-2023-01 for proceeding with work without approved CQWP and planting soil that was not been properly tested at Grand Av Arts/Bunker Hill Station; and C0980- NCR-2023-02 for failure to comply with preliminary checklist for elevator and escalators project wide.

As of January 27, 2023 there have been a total of 146 NCRs issued by RCC; six (6) of which remain open.

RCC and Metro consolidated the open items list in July 2022. There are 1720 items that remain open, with 3144 closed as of January 27, 2023.

## ENVIRONMENTAL

Stormwater Pollution Prevention Plan (SWPPP) inspections of active Project work areas are conducted weekly by RCC. Metro receives copies of communication sent between field sites and QSP-designee related to observed deficiencies and corrective actions.

Flow meters at Hope, Central and Broadway are at track level. Documentation for final sewer permits is with Metro for preparation, to reflect documents received from RCC. Permits for storm drain connections are awaiting documentation from RCC for Metro preparation.

Noise and vibration spot checks continue to be conducted weekly at multiple sensitive locations and at locations of new activities along the alignment.

No historic period features were encountered in *January 2023*.

## CONSTRUCTION AND COMMUNITY RELATIONS

### Construction Relations

- Responded and addressed Project related inquiries from the public received via the hotline, and email.
- Distributed *four (4)* construction notices to the public on various social media outlets. These notices were related to civil improvements and street restoration activities throughout the alignment, *and fire life safety-alarm tests at Grand Av Arts/Bunker Hill Station.*
- Coordinated construction activities with over *50* stakeholders throughout the alignment.
- Presented virtually *or in person at five (5)* community meetings addressing planned activities, anticipated street closures, and the status of the project.
- Continued briefings with: LA City Council District 14, and the Mayor's Office.

### Community Relations

The Little Tokyo marketing and advertisement group *met to review lessons learned and best practices from the Little Tokyo Holiday Market Place and Pop-Ups.* Metro secured rail and bus poster card space to promote the festivities and the unique shops in Little Tokyo on Metro's system. In addition, Metro supported the event with in-kind printing of the Holiday Guide posters. Lastly, Metro helped enhance the visibility of the Holiday Market Place through social media content distribution.

### ***Eat, Shop, Play – Construction Impact Business Mitigation Program Highlights***

*Promoted two businesses near the Project's alignment on social media posts, and e-newsletter: Chado Tea Room and Los Angeles City Historical Society. In addition, two banners promoting businesses open during construction at 2<sup>nd</sup>/Broadway were produced and displayed at the new construction site.*

## MARKETING

### Systemwide Signage

- Performed “pre-punch list” site walks with PM,
- Continued assessment of Project operating impacts to signage systemwide.

## SAFETY & SECURITY

### C0980 Regional Connector

- Monitored RCC's pre-employment drug/alcohol testing and new employee safety orientation to ensure compliance with contract specifications.
- Conducted Project Safety Orientation and training sessions including Safety Orientation, Underground Safety, and Self Rescuer Training.
- Participated in work plan reviews, daily crew safety meetings, and the RCC 'Safety Stand Down' sessions.
- Monitored construction field activities daily to ensure compliance with contract specifications.
- Participated with RCC staff in field safety inspection walks of multiple project worksites, laydown areas, and storage yards.
- Monitored Third Party contractor's work activities to ensure safety compliance.
- *Station emergency drills were completed January 11, 2023.*

### Project Safety Record

- RCC reported no Recordable Injuries in the month of *January 2023*.
- RCC reported 33,977 work hours for *December 2022*. RCC's total Contract to Date work hours through *December 2022* are 6,521,617 with a total of twenty-four (24) Recordable Injuries and no Lost Workday (Days Away) case injuries. The C0980 Contract Recordable Injury Rate is 0.74. The Bureau of Labor Statistics reports that the National Average Recordable Injury Rate is 2.4 for heavy civil construction projects.
- Total Contractors' Project to Date Work Hours, including both the C0980 and the completed C0981 AUR contract, through *December 2022* is 6,632,676 hours with twenty-five (25) recordable injuries. The Total Project Contractor Recordable Injury Rate is 0.75.
- Total Aggregate Project work hours for Contractors, Metro, and Support Services Consultants, through *December 2022* is 7,750,064 with 27 Recordable Injuries and no lost Workday (Days Away) injury cases. The Total Project Aggregate Safety Rate is 0.70.\*

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\* Using RIR method of calculating.

## **APPENDIX 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 first draft FFGA application to FTA for review

September 2013	Received proposals for D/B Contract C0980
September 2013	Submitted second 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 Historic Broadway Station (LA Times Building)
December 2013	Issued "Notice of Intent to Award" letter to contract C0981R contractor 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
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 from 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 Historic 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.
January 2016	RCC began implementation of Bus Bridge # 1 (Shoofly Tie-In Work at Little Tokyo).
February 2016	RCC began implementation of full closure at 2nd/Broadway intersection.
March 2016	RCC completed Bus Bridge # 1 (Shoofly Tie-In at Little Tokyo) work.
March 2016	Excavation of 1st/Central Station was initiated.
April 2016	TBM (Tunnel Boring Machine) was delivered to the temporary storage site.
May 2016	Closed 1st Street between Alameda and Central Streets. Opened northbound 1st East of Alameda Street.
June 2016	RCC completed excavation at 1st/Central Station Box
June 2016	RCC began pile installation on west side of Flower Street between 4th and 5th Street
July 2016	RCC initiated pile installation at Historic Broadway Station (West Hammer Head)
July 2016	RCC Initiated CIP invert at 1st/Central Station Box
August 2016	RCC completed 36" waterline replacement at 1st/Alameda

September 2016	RCC completed temporary decking at 1st/Alameda intersection (Wye)
October 2016	Metro performed TBM lowering ceremony
October 2016	RCC completed CIP invert at 1st/Central Station Box
November 2016	RCC completed CIP invert at Mangrove Launch Pit and Wye
December 2016	RCC completed Phase 1, 2nd Street Decking in front of LA Times Bldg.
January 2017	Metro Board approved a LOP Budget increase
February 2017	RCC initiated TBM mining (1st – Left)
March 2017	RCC completed TBM mining under JVP (first 500 ft.)
March 2017	RCC completed temporary decking on Flower St. (between 4th and 5th)
April 2017	RCC completed sub-invert at TBM retrieval pit
April 2017	RCC completed CIP invert at Grand Av Arts/Bunker Hill Station Box
May 2017	RCC completed temporary decking at Historic Broadway Station
May 2017	RCC completed water relocation work along Flower Street
June 2017	RCC completed mining and broke through at Grand Av Arts/Bunker Hill Station
June 2017	Five-month full closure of 6th Street approved by LADOT, Caltrans and LADWP
July 2017	RCC completed TBM mining of the first tunnel
August 2017	RCC extracted TBM shields from the Retrieval Shaft
September 2017	RCC began TBM mining of the second tunnel (right)
October 2017	RCC completed TBM mining under JVP (first 500 ft.)
October 2017	RCC completed temporary decking on Flower St. (between 5th and 6th, deck beam 16 to deck beam 58)
November 2017	Completed five-month full closure of 6th Street



November 2017	Initiated underpinning related to the Historic Broadway Station
December 2017	RCC completed mining and broke through at Grand Av Arts/Bunker Hill Station (Right Tunnel)
January 2018	RCC completed TBM mining of the second tunnel (right)
February 2018	RCC began excavation of cross passages
February 2018	RCC began SEM canopy pipe installation
March 2018	RCC began tunnel invert concrete
March 2018	RCC completed infrastructure for power relocation work at 6th/Flower
April 2018	RCC completed entrance structure excavation of Historic Broadway Station
May 2018	RCC began SEM excavation
June 2018	LADWP Power completed cable pulling at 6th/Flower
June 2018	Completed underpinning related to the Historic Broadway Station
July 2018	RCC completed station box excavation of Historic Broadway Station
August 2018	Completed entrance structure invert of Historic Broadway Station
September 2018	Completed temporary decking of Flower Street
October 2018	RCC started the CN 106.2 Final Design of the Revised Cable Transmission System for the Gold Line
October 2018	Metro completed approval of floating slab test results
October 2018	RCC completed SEM left drift excavation
October 2018	RCC completed Trainway Feeder duct bank at Flower St & 7th St
November 2018	RCC completed Little Tokyo / Arts District Station Box Excavation
November 2018	RCC completed Grand Av Arts/Bunker Hill Station East Platform Level Exterior Walls
December 2018	RCC completed SEM right drift excavation

December 2018	RCC completed the Historic Broadway Station west invert
December 2018	RCC started tunnel walkways between the future Little Tokyo/Arts District Station to Historic Broadway Station
December 2018	RCC started the future Little Tokyo/Arts District Station east invert
December 2018	RCC completed Grand Av Arts/Bunker Hill Station mezzanine concrete
January 2019	RCC completed Grand Av Arts/Bunker Hill Station invert concrete
January 2019	RCC completed SEM center top drift excavation.
January 2019	RCC started Little Tokyo/Arts District Station west cable pit and sump pit
February 2019	RCC completed SEM excavation
February 2019	RCC completed platform level exterior walls at Grand Av Arts/Bunker Hill Station
February 2019	RCC started fire protection in tunnels
March 2019	RCC completed Little Tokyo/Arts District Station invert concrete
March 2019	RCC completed Bored Tunnels walkway concrete
April 2019	RCC completed Grand Av Arts/Bunker Hill Station east concourse deck concrete
April 2019	RCC completed 1st Street Cut & Cover / U-Channel Level 1 excavation
May 2019	RCC completed North Flower Cut & Cover tunnel invert concrete
May 2019	RCC completed Wye Cut & Cover tunnel invert concrete
June 2019	RCC completed Right Tunnel floating slab curb
July 2019	RCC completed Left Tunnel floating slab curb
July 2019	RCC completed SEM Cavern concrete invert
August 2019	RCC completed 7th Street / Metro Center Wall Demolition
August 2019	RCC completed the Historic Broadway Station West Concourse Deck

September 2019	RCC completed Historic Broadway Station east invert
September 2019	RCC completed South Flower Cut & Cover tunnel excavation
October 2019	RCC completed Wye Tunnel Cut & Cover walls
October 2019	RCC completed Grand Av Arts/Bunker Hill Station concourse walls
November 2019	RCC completed Wye Tunnel Cut & Cover Roof Deck
November 2019	RCC completed SEM Cavern Exterior Walls
December 2019	RCC completed Little Tokyo/Arts District Station plenum deck concrete
January 2020	RCC completed SEM Cavern Interior Walls
January 2020	RCC completed 1st Street Tunnel Cut & Cover Roof Deck
February 2020	RCC completed Wye Cut & Cover Tunnel Pin Pile Removal
February 2020	RCC completed Grand Av Arts/Bunker Hill Station platform walls
March 2020	RCC completed Grand Av Arts/Bunker Hill Station lower ancillary level walls
March 2020	RCC completed SEM plenum deck
April 2020	RCC completed Historic Broadway Station west concourse exterior walls
April 2020	RCC completed Historic Broadway Station concourse deck
May 2020	RCC completed SEM Cavern Arch Walls
May 2020	RCC completed Grand Av Arts/Bunker Hill Station upper ancillary level walls
May 2020	RCC completed South Flower Cut & Cover invert
June 2020	RCC completed fabrication pre-cast floating slabs
June 2020	RCC completed North Flower Cut & Cover roof deck
July 2020	RCC completed Historic Broadway Station entrance concourse level walls

July 2020	RCC completed installation pre-cast floating slabs
August 2020	RCC completed Wye backfill, deck removal and paving
September 2020	RCC completed Grand Av Arts/Bunker Hill Station upper roof deck
September 2020	RCC completed Little Tokyo/Arts District Station ancillary walls
September 2020	TIFIA loan paid off and account closed
October 2020	RCC completed Gold Line Communications Relocation Cutover
October 2020	RCC completed Flower Cut & Cover Tunnel roof deck
November 2020	RCC completed Little Tokyo/Arts District Station ancillary roof deck
November 2020	RCC completed Grand Av Arts/Bunker Hill Station ES1/ES2 walls
December 2020	RCC completed delivery of rail stockpile to Flower Cut & Cover
December 2020	RCC completed demolition of the Little Tokyo/Arts District Station
January 2021	RCC completed Historic Broadway Station box roof deck
January 2021	RCC completed Alameda MSE Wall demolition
February 2021	RCC completed Flower Tunnel Wet Standpipe
February 2021	RCC completed Flower Tunnel Emergency Walkways
March 2021	RCC completed Historic Broadway Station Entrance Roof Deck
April 2021	RCC completed Little Tokyo/Arts District Station West Tunnel Vent excavation
May 2021	RCC completed Grand Av Arts/Bunker Hill Station Upper Plaza Deck
June 2021	RCC completed Little Tokyo/Arts District Station East Tunnel Vent structure
June 2021	Regional Connector received \$59.23M American Rescue Plan Act of 2021
July 2021	RCC completed Historic Broadway Station East Tunnel Vent Shaft Excavation
July 2021	Completed deck removal on Flower Street.

August 2021	RCC completed Little Tokyo/Arts District Station Track Installation
August 2021	RCC completed Grand Av Arts/Bunker Hill Station PS3 stair structure.
September 2021	RCC completed Flower Street emergency exit stair structure.
September 2021	RCC completed Train Control Installation from 7th/Metro Center Station to Historic Broadway Station.
September 2021	RCC completed Platform Edge Paver Installation Grand Av Arts/Bunker Hill Station.
October 2021	RCC completed West Vent Plenum at Historic Broadway Station.
October 2021	RCC completed roof deck at the Wye Fan Plant.
November 2021	RCC completed track installation at 1 <sup>st</sup> Street Guideway.
November 2021	RCC completed MSE Walls at Alameda Guideway.
December 2021	RCC completed LVT Track Installation at Alameda Guideway.
December 2021	RCC completed Vent Shaft at Wye Fan Plant.
January 2022	RCC completed OCR 7 <sup>th</sup> /Metro Center to Wye.
February 2022	RCC completed East Vent Plenum at Historic Broadway Station.
March 2022	RCC completed Train Control Installation.
April 2022	RCC completed OCR Installation.
May 2022	RCC completed Track Installation.
June 2022	RCC completed Stainless Steel Elevator Enclosure at Historic Broadway Station.
July 2022	RCC completed Canopy Column Steel at Historic Broadway Station.
August 2022	RCC completed Upper Plaza Special Concrete Paving at Grand Av Arts/Bunker Hill Station.
September 2022	RCC completed granite paving at Little Tokyo/Arts District Station.
October 2022	RCC completed Plaza Special Concrete Paving at Historic Broadway Station.

November 2022	RCC completed Emergency Ventilation Fans at Wye.
December 2022	RCC completed Elevator Installations at Little Tokyo/Arts District Station.
December 2022	Initiated limited Pre-Revenue Operations.
<i>January 2023</i>	<i>RCC Completed Elevator Installation and Testing at Little Tokyo/Arts District Station.</i>