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TO: Distribution

FROM: Mat Antonelli 
Project Manager

SUBJECT: Regional Connector Transit Project
June 2022 Quarterly Project Status Report

Enclosed is the Quarterly 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 July 1, 2022.

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

QUARTERLY PROJECT STATUS REPORT

June 2022



Metro

REGIONAL CONNECTOR TRANSIT PROJECT

QUARTERLY PROJECT STATUS REPORT

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

June 2022

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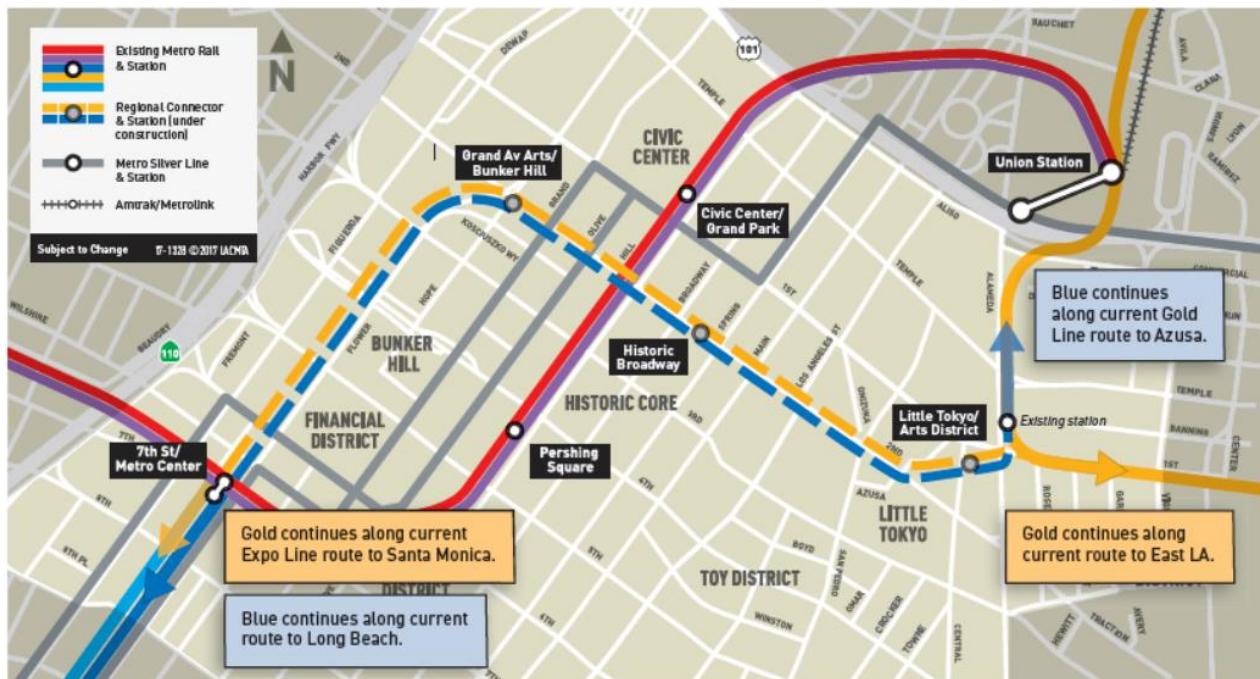
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PROJECT OVERVIEW

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 are being expanded to accommodate the central control functions associated with five new rail lines to include Regional Connector. The Project is contributing \$4.4M towards this expansion (representing a \$400k forecast increase in May 2021). The ROC expansion is scheduled to be ready for Regional Connector in Summer 2022.

Fare Collection: Procurement of Universal Fare System and Ticket Vending Machine (TVM) equipment was completed in January 2018 with award to Cubic Corporation. All equipment has been manufactured and is in storage locally awaiting access to stations for installation and testing. Metro, *together with Cubic*, are coordinating with RCC for installation *windows to initiate TVM's at all stations*, which are now expected to begin in July 2022.

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 Schedule and Budget: The Revenue Service Date (RSD) is planned for Fall 2022.

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. Cost forecasts differ with budgets as the Project plans to secure Board approval of \$17.5M in Summer 2022 to sync with the pending FFGA amendment; the forecast is \$1,787M. 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 19, 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 25.

System Integration: The Project's integration of three separate lines, each possessing distinct system technologies, presents significant challenges for both the Project and Metro at-large. Extensive planning has been required to define logistics of the systems' cut overs that will be required. The Project has completed the systems interface design, installation of devices and systems, as well as testing as Metro maintained revenue service on the three operating lines. All cut-overs have been *successfully completed thus marking passage of a major risk that was actively managed for many months.*

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 400+ operators and supervisors across the region has surfaced as a key component to rail activation. This training will require dedicated time during rail activation to ensure safety.

Planning efforts have outlined a sequence of dependent testing, training, simulation, and safety certification. Detailed reviews of each element leading to start-up continues. Interface between Project Management, Operations, Fire Life Safety, *Safety and Security, and Communications* representatives are intensifying to ensure an integrated and timely approach is realized.

EXECUTIVE SUMMARY

As of *July 1, 2022*, the Project achieved *95.3%* 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, *architectural concrete*, and installation of artwork at stations while *street and station restorations proceed at the surface*. The following is an overview of current design and construction activities.

Design Status

Miscellaneous design changes to approved design packages continue to be managed as Engineering Change Instructions (ECI). ECIs enable required changes to be promptly addressed while the balance of the scope is built. *With related efforts now directed toward final RFIs and design have been completed, permitting of street restoration, and as-built production.*

Construction Status

1st Street Cut & Cover Tunnel & U-Channel: *Completed handrail installation. Continued communications installation.*

Wye Structure: *Completed hollow metal door installation at the Wye Fan Plant. Continued the communications installation at the Wye Disconnect Room. Completed installation of Emergency Ventilation Fans and sound attenuators at the Wye Fan Plant. Continued electrical wiring and terminations for Emergency Ventilation Fans at the Wye Fan Plant.*

Alameda Street Cut & Cover Tunnel & U-Channel: *Completed handrail installation. Continued communication installation.*

Little Tokyo/Arts District Station: *In the station box, completed porcelain enamel art panel, hose bib, water heater and hollow metal door installations. Continued metal ceiling panels, granite stairs, mechanical/electrical/plumbing installations, elevator installations at PL1 and PL2, cladding, and communications installation. In the lower ancillary, continued emergency exit handrail installations, hollow metal door installations, and mechanical/electrical/plumbing installations. In the upper ancillary, continued emergency exit handrail installations, hollow metal door installations, and mechanical/electrical/plumbing installations. Continued the installation of Communications cable terminations in the TC&C Room. In the Plaza area, completed station box and ancillary backfill, and metal stud framing. Continued, drainage pipe and catch basin installations. Started hollow metal door, pedestrian light pole base, colored concrete paving, and concrete planter installations.*

Reach 1 Tunnels Section (Little Tokyo/Arts District Station to Crossover Cavern): *In the Right tunnel, completed handrail installation. Continued communications installations.*

Historic Broadway Station: At the platform level, completed *porcelain enamel art panel, mop sink and water heater installations*. Continued the mechanical/electrical/plumbing installations, cladding, communications, and PL #3 and #4 elevator installations. At the concourse level, *completed roll-up panel doors. Continued hollow metal doors, metal ceiling panels, the mechanical/electrical/plumbing installations, and communications cable terminations in the TC&C Room. Started special colored concrete paving installation.* At the Ancillary level, continued mechanical/electrical/ plumbing and hollow metal door installations. At the *plaza level*, completed Emergency Exit #3 *storm drain lateral and manhole*. Continued station backfill *at emergency exit #2*, canopy structural steel installation. *Started metal stud framing*. Continued utility relocations and street restoration.

Reach 2 Tunnel Section (Historic Broadway Station to Grand Av Arts/Bunker Hill Station): *Completed emergency walkway handrail installation. Continued communications installations.*

Grand Av Arts/Bunker Hill Station: At the platform level, completed *hose bib, water heater, and granite stair* installations. Continued communications, mechanical/electrical/plumbing, cladding and the PL7 | PL8 elevator installation. At the concourse level, completed *water heater installation*. Continued the installation of PL 1-6 elevators, hollow metal doors and mechanical/electrical/plumbing, and communications installation. *Started special concrete paving, and floor tile installations.* At the lower and upper ancillary levels, completed mechanical/electrical/plumbing, and communications. At the roof level, completed the installation of hollow metal doors. Continued. At the upper roof level, completed the installation of mechanical/electrical/plumbing and hollow metal doors. At the Plaza, continued mechanical/electrical/plumbing, and special concrete paving. Started metal cladding installation at west tunnel vent riser. At the Upper Plaza, continued the installation of steel shoes (barrier glazing). Started metal cladding and glazing installation at PL 1-6 elevator hoistways. At Northbound Flower Street, Hope Street and 2nd Place, continued street restoration.

Flower Cut & Cover Tunnel: *Completed handrail installation.* Continued communications installations.

Schedule Summary

The Project did not achieve Milestone 1.1 as planned. An assortment of delays preventing the safe turnover of the guideway throughout the alignment dictated that the milestone be deferred.

Redefinition of both Substantial Completion Milestone 1.1 and 1.2 are underway based on progress achieved and planned by the design-builder. Completion of final construction sequences, systems installations and integrated testing work all weave through the impacts of COVID-19 delays via mitigation plans now underway.

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 testing and Rail Activation. Operation-led testing, training, and rail activation are gaining momentum with growing involvement of Metro Operations from other Departments as well.

The Project continues to target a Revenue Service Date in late Fall 2022.

Costs Summary

Project costs continue to track narrowly within budget. 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 13.

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), *delivery of supporting evidence and analysis has not been made*. 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. Metro continues to review the situation while working with RCC to mitigate the situation on as many fronts as practical.

RCC continues to follow local, state, and federal regulations related to COVID-19 to maintain operations.

Key Management Concerns

Item 1: Rail Activation for integrating three transit lines is complex. And more so when those lines are in-service. All technical challenges are more difficult when the logistics of maintaining service are required while changes are put into play. Through collaboration among stakeholders, successful planning, and execution of cut-overs at all three stations have progressed safely.

Status/Action: Cut-overs at all three (3) locations have been installed, *tested, and set to final operational parameters.*

Item 2: RCC has indicated that COVID-19 has impacted performance on the Project through the late delivery of several MCC units, as well as elements where stainless steel is prominent (i.e., dampers and attenuators). RCC has updated their list of materials/commodities adversely impacted by COVID-19.

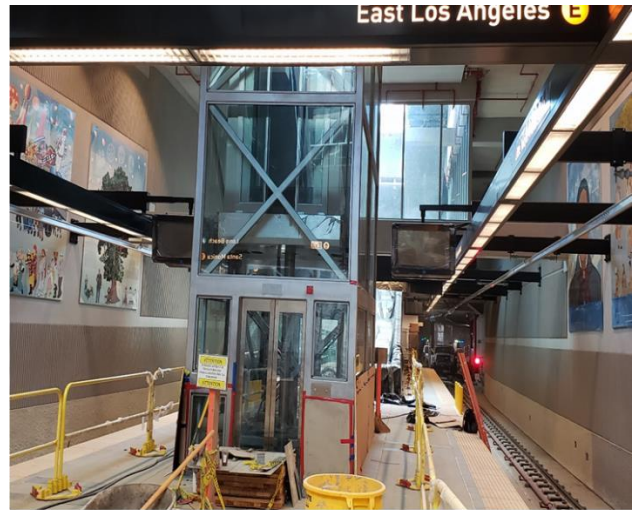
Status/Action: RCC has initiated mitigation measures in anticipation of delayed equipment deliveries. Metro continues to monitor the situation to determine the extent of actual or likely impact to schedule; MCC units now all installed. Other stainless steel-dependent deliveries continue to be delayed including cladding for station finishes.

RCC has made a formal request for a time extension due to COVID-19. *However, as noted above, the Project is awaiting RCC delivery of supporting evidence and analysis. Also, Metro Program Management direction on the path-forward is needed as COVID-19 is being managed program-wide rather than project-to-project.*

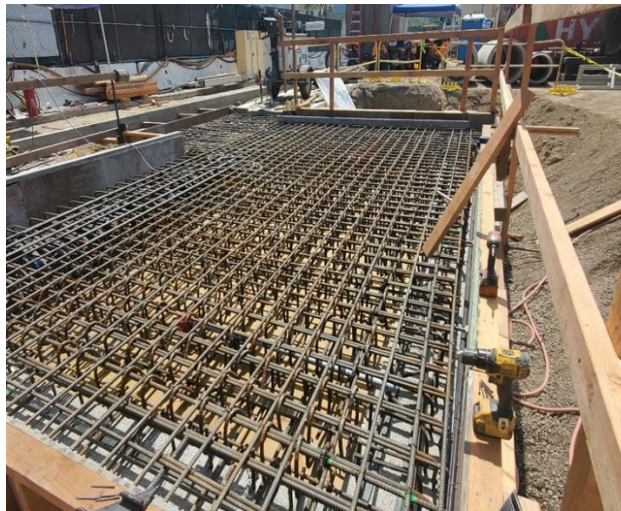
Project Construction Photos



Plaza form and rebar for architectural paving at Little Tokyo/Arts District Station



Artwork progress at Little Tokyo/Arts District Station



Rebar and forms installation at the ES3 shaft roof slab at Historic Broadway Station



Installation of steel stud framing for plaza electrical closets at Historic Broadway Station



Hope Upper Plaza Glazing at Grand Av Arts/Bunker Hill Station

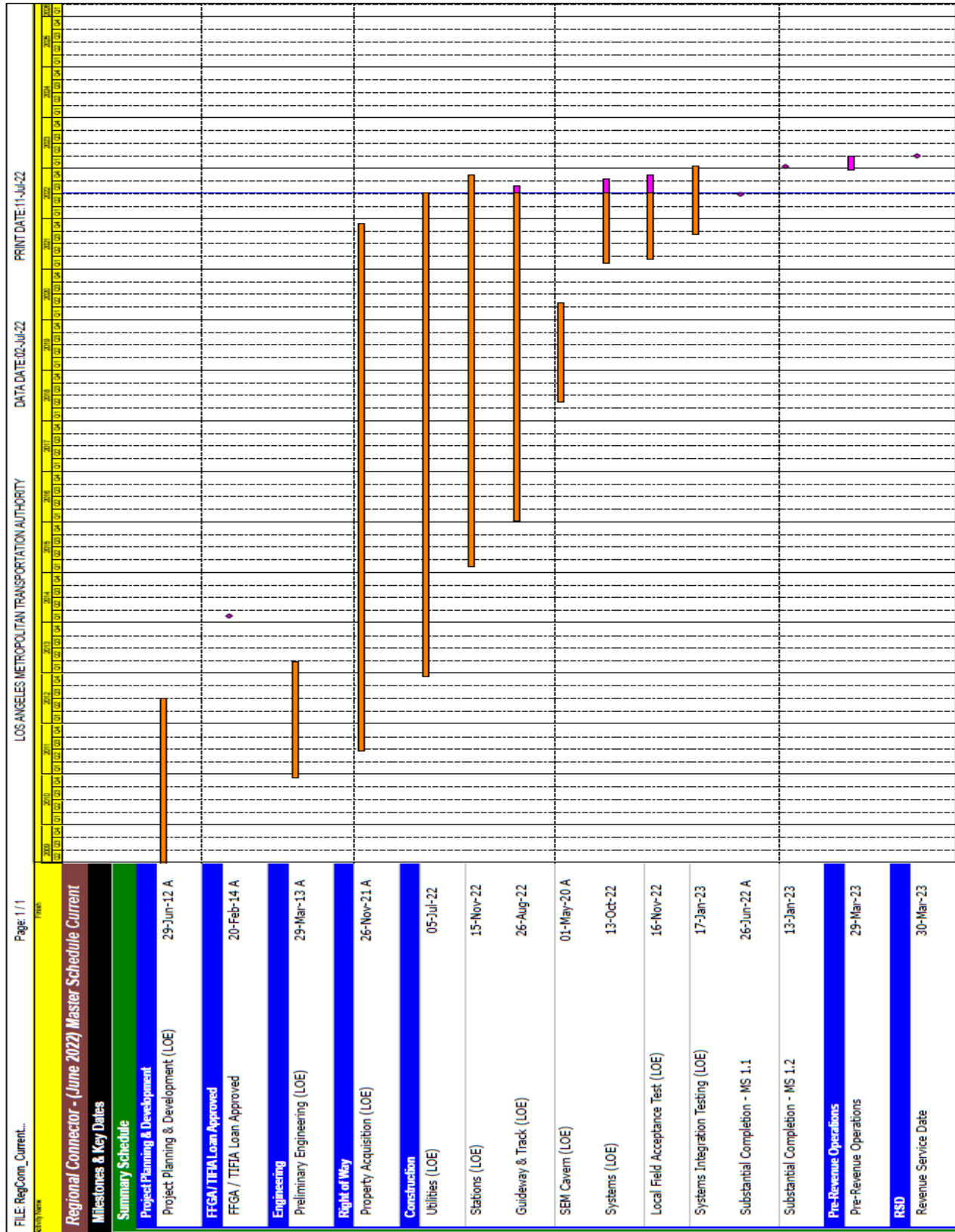


Hope PES Art – platform end wall at Grand Av Arts/Bunker Hill Station

PROJECT UPDATE

PROJECT SCHEDULE

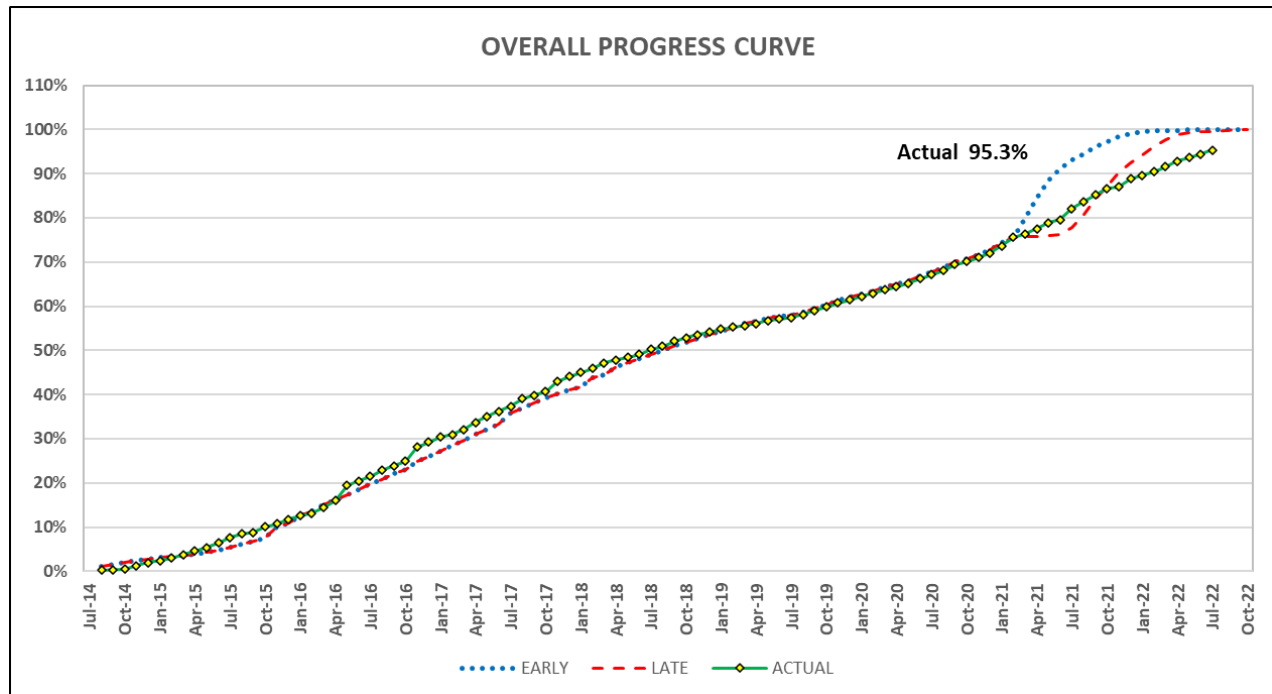
Project Summary Schedule (Unmitigated)



Progress Summary









| | Status | Change from Last Month | Comment |
|---|------------|------------------------|---------|
| Forecast Revenue Service | Fall 2022 | None | |
| Proposed FFGA Revenue Service | 11/26/2023 | None | |
| Final Design Progress: | | | |
| Contract C0980 | 100% | NA | |
| Construction Contracts Progress: | | | |
| Contract C0981R & C0980 | 95.0% | 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 | Jun-22 | Jul-22 | Aug-22 | Sep-22 | Oct-22 | Nov-22 |
|--|----------------|--------|--------|--------|--------|--------|--------|
| Complete Stainless Steel Elevator Enclosure at Historic Broadway Station | 06/10/22 | ⬡ | | | | | |
| Complete Plaza Drains & Catch Basins at Little Tokyo / Art District Station | 06/10/22 | ⬡ | | | | | |
| Complete Plaza Canopy Steel at Historic Broadway Station | 07/14/22 | | ⬡ | | | | |
| Complete Emergency Ventillation Fans at Wye Fan Plant | 07/22/22 | | ⬡ | | | | |
| Complete Plaza Concrete Paving at Little Tokyo / Art District Station | 07/22/22 | | ⬡ | | | | |
| Complete Plaza Concrete Paving at Historic Broadway Station | 08/18/22 | | | ⬡ | | | |
| Complete Escalators at Grand Ave / Bunker Hill Station | 08/30/22 | | | ⬡ | | | |
| Complete Stainless Steel Enclosures at Little Tokyo / Art District Station | 09/02/22 | | | | ⬡ | | |
| Complete Elevators at Grand Ave / Bunker Hill Station | 09/18/22 | | | | ⬡ | | |
| Complete Emergency Management Panel at Historic Broadway Station | 10/13/22 | | | | | ⬡ | |
| Complete Plaza Architectural Finishes at Grand Ave / Bunker Hill Station | 10/28/22 | | | | | ⬡ | |
| Complete Plaza Architectural Finishes at Little Tokyo / Art District Station | 11/14/22 | | | | | | ⬡ |

 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) | 12/23/2021 08/2022 |

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 | 274 | 270,903 | 0 | 272,970 | 342 |
| 20 | STATIONS, STOPS, TERMINALS, INTERMODAL | 354,268 | 219,477 | 0 | 239,321 | 26 | 238,085 | 2,765 | 206,023 | -131 | 238,780 | -541 |
| 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 | 627,885 | 171 | 605,375 | 2,158 | 581,618 | -267 | 654,744 | 26,859 |
| 50 | SYSTEMS | 69,667 | 73,848 | 0 | 76,452 | 25 | 70,056 | 2,151 | 59,252 | -500 | 74,971 | -1,481 |
| | CONSTRUCTION SUBTOTAL (10-50) | 846,343 | 920,468 | 0 | 1,216,286 | 222 | 1,187,951 | 7,349 | 1,117,796 | -898 | 1,241,465 | 25,179 |
| 60 | ROW, LAND, EXISTING IMPROVEMENTS | 115,889 | 74,208 | 0 | 59,946 | 0 | 57,862 | -9 | 57,840 | 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 | 331 | 378,858 | 2,360 | 366,090 | -957 | 407,057 | 2,899 |
| | SUBTOTAL (10-80) | 1,239,963 | 1,268,925 | 0 | 1,696,666 | 553 | 1,640,947 | 9,700 | 1,556,911 | -1,855 | 1,726,194 | 29,529 |
| 90 | UNALLOCATED CONTINGENCY | 135,399 | 126,892 | 0 | 32,675 | 0 | 0 | 0 | 0 | 1,855 | 20,641 | -12,034 |
| 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 | 553 | 1,640,947 | 9,700 | 1,556,911 | 0 | 1,761,137 | 17,495 |
| | 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 | 18,988 | 0 | 20,425 | 0 |
| | TOTAL PROJECTS (EVN/PLAN'G) | | 24,200 | 0 | 26,500 | 0 | 26,500 | 0 | 25,063 | 0 | 26,500 | 0 |
| | TOTAL | 1,402,932 | 1,427,132 | 0 | 1,770,142 | 553 | 1,667,447 | 9,700 | 1,581,974 | 0 | 1,787,637 | 17,495 |

NOTE: EXPENDITURES ARE CUMULATIVE THROUGH JUN 2022. JUNE EXPENDITURES ARE PRELIMINARY AS ACCOUNTING HAS NOT CLOSED MONTH-END.
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 then 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 \$0.5 million this month to \$1.67 billion which represents 94.2% of the Current Budget.

Expenditures:

Expenditures are cumulative through *June 2022 with preliminary data* and increased by \$9.7 million this month for costs across the Project. One billion five hundred *eighty* million (\$1.58 billion) in expenditures to date represent 89.4% of the Current Budget.

Current Forecast:

The total current forecast is \$17.5 million more than the total current budget. The Project plans to go to the Board in Summer 2022 to request additional funding to address specific request of FTA to increase Project Contingency in-line with the pending FFGA amendment.

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 | 374 | 13,173 | 0 | 13,548 | 0 |
| 50 | SYSTEMS | 0 | 0 | 5,950 | 0 | 5,216 | 0 | 3,621 | 0 | 5,950 | 0 |
| | CONSTRUCTION SUBTOTAL (10-50) | 10,480 | 0 | 19,498 | 0 | 18,764 | 374 | 16,795 | 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 | 758 | 0 | 437 | 0 | 1,150 | 0 |
| | SUBTOTAL (10-80) | 38,878 | 0 | 59,025 | 0 | 57,899 | 374 | 54,706 | 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 | 57,899 | 374 | 54,706 | 0 | 59,389 | 0 |
| | 861228 TOTAL | 39,991 | 0 | 59,389 | 0 | 57,899 | 374 | 54,706 | 0 | 59,389 | 0 |

NOTE: EXPENDITURES ARE CUMULATIVE THROUGH JUN 2022. JUNE EXPENDITURES ARE PRELIMINARY AS ACCOUNTING HAS NOT CLOSED MONTH-END.

Original Budget:

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

Current Budget:

In January 2021, the Metro Board approved 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 unchanged this month at \$57.9 million which represents 97% of the Current budget.

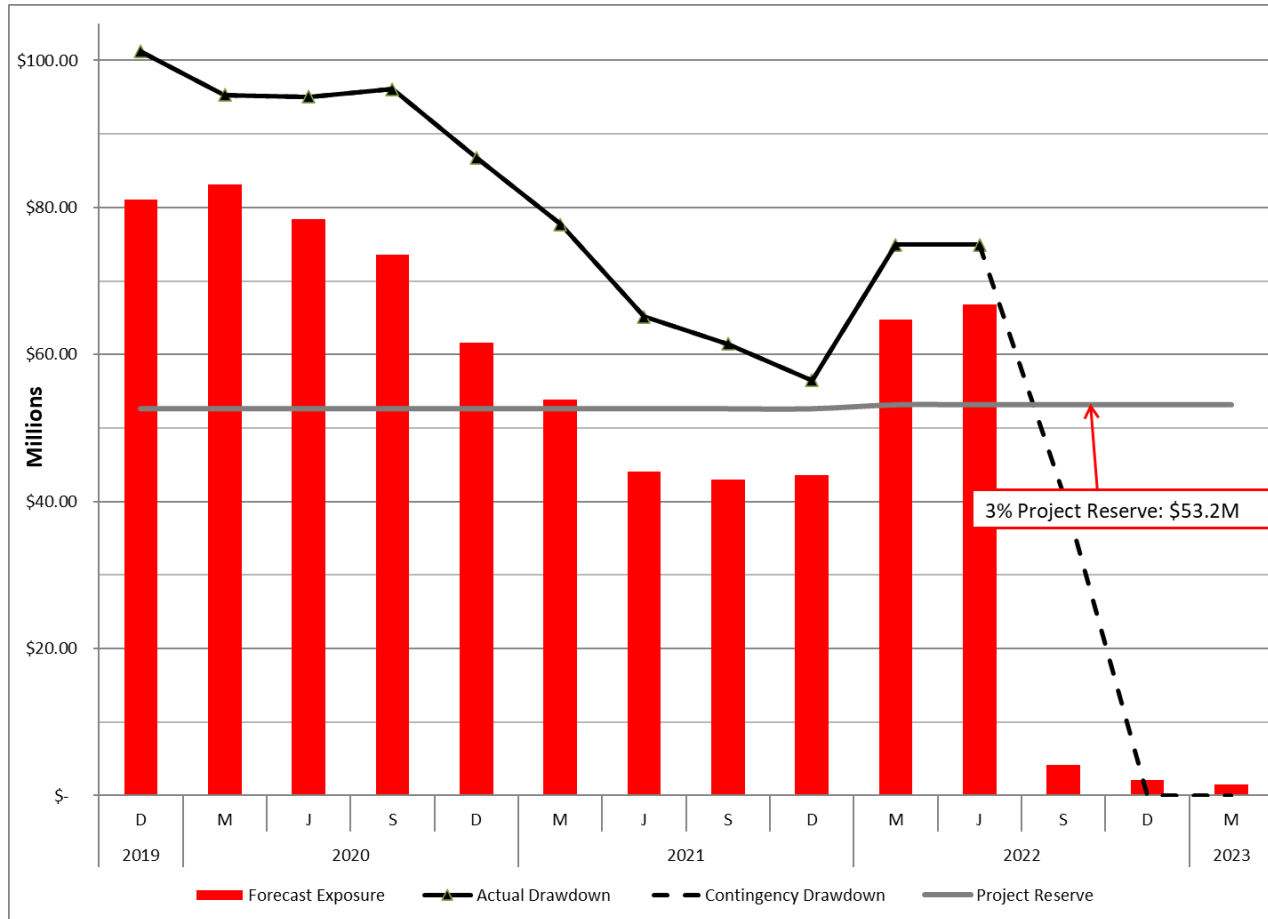
Expenditures:

Expenditures are cumulative through June 2022 with preliminary data and increased by \$0.4 million this month related to RCC. Fifty-four million (\$54.7) in expenditures to date represent 92.0% of the Current Budget.

Current Forecast:

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

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 is expected to reach the 3% Project Reserve (Total Contingency) threshold in Summer 2022. The curve includes \$17.5 million pending Board approval.

In *June* there was a \$0.23 million contingency drawdown into executed modifications related to professional services *and* RCC. The remaining unallocated contingency is \$16.7 million.

| 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 | (53,709) | (2,081) | (73,240) | 16,706 |
| Allocated Contingency | 86,345 | 92,809 | (36,638) | 1,855 | (34,784) | 58,025 |
| Total Contingency | 211,263 | 182,754 | (90,348) | (226) | (108,023) | 74,731 |

RISK MANAGEMENT

Summary of Risks

During this quarterly reporting period, *there were no* risk scores adjusted, *no new risks* identified, and *five (5)* risks closed. There are *twelve (12)* risks to be managed over the next quarter. Of the *twelve (12)* risks, *two (2)* are scored high, *nine (9)* as medium and *one (1)* as low.

The following details the activity for the quarter:

Top Risks

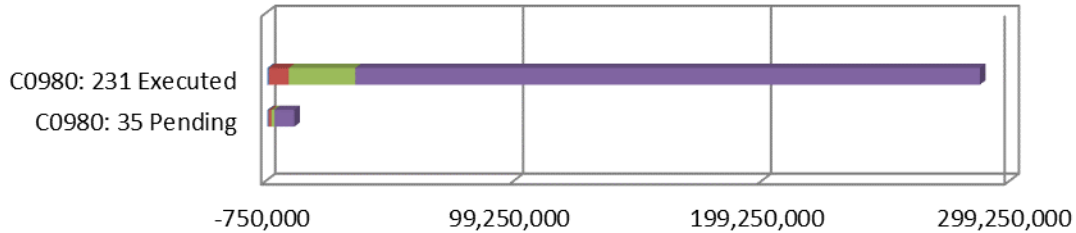
| Risk ID | SCC | Risk Description | Risk Rating |
|---------|-----|---|-------------|
| 581 | 50 | Request for time extension from RCC due to COVID-19. | 20 |
| 585 | 10 | Water intrusion throughout alignment threatens progress and schedule. | 10 |
| 311 | 40 | Commonwealth Agreement may impact costs due to extended "construction phase." | 8 |
| 579 | 80 | Unexpected additional cost to relocate IPMO Office due to schedule delays. | 7.5 |

Closed Risks

| Risk ID | SCC | Risk Description | Risk Rating |
|---------|-----|--|-------------|
| 583 | 80 | Substantial Completion MS 1.1 slipping to April 8. | 7.5 |
| 576 | 10 | Systems cut-over and interface issues may exceed contract scope, cost and delay schedule. | 4 |
| 506 | 50 | Across all interfaces with existing LRT lines, cut-over integration challenges exceed allowances in current forecast (excludes Comm). Costs shown are above the current forecast | 3 |
| 582 | 50 | Cut-over Final Bus Bridge at 7/M to slip to March | 2.5 |
| 317 | 40 | Systems cut-over and interface issues may exceed contract scope, cost and delay schedule. (Also linked to #506) | 2 |

Summary of Contract Modifications

Contract Modifications (MODs) by Cost Level



| | C0980 | | Total |
|------------------------------|--------------------|--------------------|--------------------|
| | 231 Executed | 35 Pending | |
| ■ Under \$100K | 656,942 | 532,528 | 1,189,470 |
| ■ \$100K to \$250K | 8,017,819 | 1,150,000 | 9,167,819 |
| ■ \$250K to \$1M | 26,866,244 | 1,195,000 | 28,061,244 |
| ■ Over \$1M | 251,980,830 | 8,000,000 | 259,980,830 |
| Total Contract MODs | 287,521,835 | 10,877,528 | 298,399,363 |
| Contract Award Amount | 927,226,995 | 927,226,995 | |
| % of Contract MODs | 31.0% | 1.2% | |

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 thirty-one (231) changes with a total value of \$287.5 million have been executed since NTP of Contract C0980. An additional 35 changes, with a total estimated value of \$8.5 million, are pending. Of the \$287.5 million in executed modifications, \$24.25M are funded from Eastside Access Project and Non-FFGA Project, \$5.03M and \$19.22M, respectively.

DISADVANTAGED BUSINESS ENTERPRISE (DBE)

As of *May* 2022:

| | |
|---|---------------------|
| DBE Commitment – Design The percentage of funds apportioned to Design Contracts | 22.63% |
| Current DBE Commitment Design Total DBE Committed Dollars divided by Total Contract Value for Design | \$16.8M (22.63%) |
| Current DBE Participation Total amount paid to date to DBEs divided by the amount paid to date to Prime | 24.65% |

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

| | |
|--|-------------------|
| DBE Commitment – Construction The percentage of funds apportioned to Construction Contracts | 18% |
| Current DBE Commitment Construction Contract commitment divided by current contract value for Construction | \$204.1M (18%) |
| Current DBE Participation Total amount paid to date to DBEs divided by the amount paid to date to Prime | 20.55% |

Construction DBE sub-contractors that have been identified increased to one hundred twenty-nine (129).

PROJECT LABOR AGREEMENTS (PLA)

As of *May* 2022:

| | |
|---|--------|
| Targeted Worker Goal Construction work to be performed by residents from Economically Disadvantaged Area in the United States | 40.00% |
| Targeted Worker Current Attainment | 62.37% |
| Apprentice Worker Goal Construction work to be performed by Apprentices | 20.00% |
| Apprentice Worker Current Attainment | 20.35% |
| Disadvantaged Worker Goal Construction work to be performed by Disadvantaged Workers who are residents of the United States | 10.00% |
| Disadvantaged Worker Current Attainment | 11.00% |

FINANCIAL/GRANT

Status of Funds by Source

June 2022

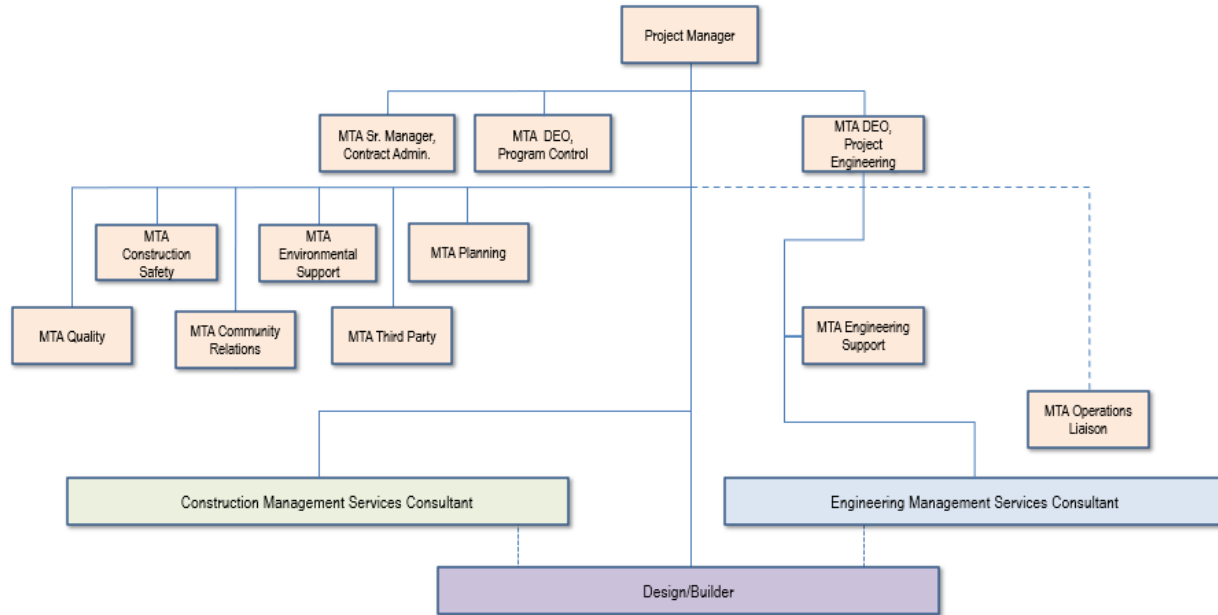
| SOURCE | ORIGINAL BUDGET | TOTAL FUNDS ANTICIPATED | TOTAL FUNDS AVAILABLE | COMMITMENTS | | EXPENDITURES | | BILLED TO FUNDING SOURCE | |
|--|-------------------|-------------------------|-----------------------|-------------------|------------|-------------------|------------|--------------------------|------------|
| | | | | \$ | % | \$ | % | \$ | % |
| FEDERAL - CMAQ | \$64.00 | \$228.01 | \$64.00 | \$149.52 | 66% | \$64.00 | 28% | \$64.00 | 28% |
| FEDERAL - SECTION 5309 NEW STARTS | \$669.90 | \$669.90 | \$669.90 | \$669.90 | 100% | \$669.90 | 100% | \$642.58 | 96% |
| FEDERAL - SECTION 5309 NEW STARTS - AMERICAN RESCUE PLAN ACT | | \$ 59.23 | \$0.00 | \$28.22 | 48% | \$28.22 | 48% | \$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 | \$16.53 | \$16.53 | \$16.53 | 100% | \$16.53 | 100% | \$16.53 | 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 | \$86.79 | \$79.80 | \$104.46 | 120% | \$104.46 | 120% | \$104.46 | 120% |
| TOTAL | \$1,427.13 | \$1,755.84 | \$1,537.68 | \$1,667.48 | 95% | \$1,581.97 | 90% | \$1,517.18 | 86% |

NOTES:

1. EXPENDITURES ARE CUMULATIVE THROUGH JULY 11, 2022. EXPENDITURES ARE PRELIMINARY AS ACCOUNTING HAS NOT CLOSED MONTH-END.
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.

PROJECT ORGANIZATION AND STAFFING

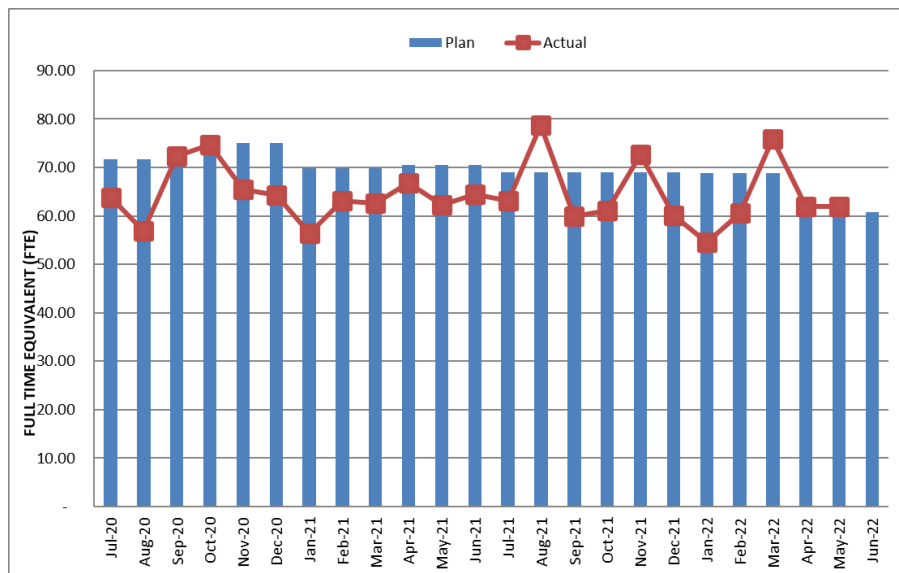
The D/B contract is being managed by a joint team of Metro and consultant personnel located at the Integrated Project Management Office (IPMO).



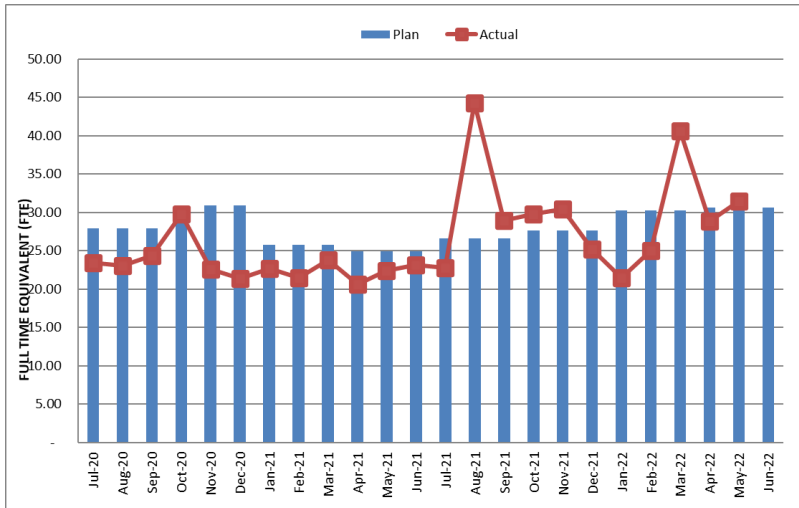
Updated: 03/2021

The overall FY22 Total Project Staffing plan averages 66.9 FTEs per month. The total actual project staffing for *May 2022* was 62.02; 31.49 FTEs for Metro's Project Administration staff and 30.5 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



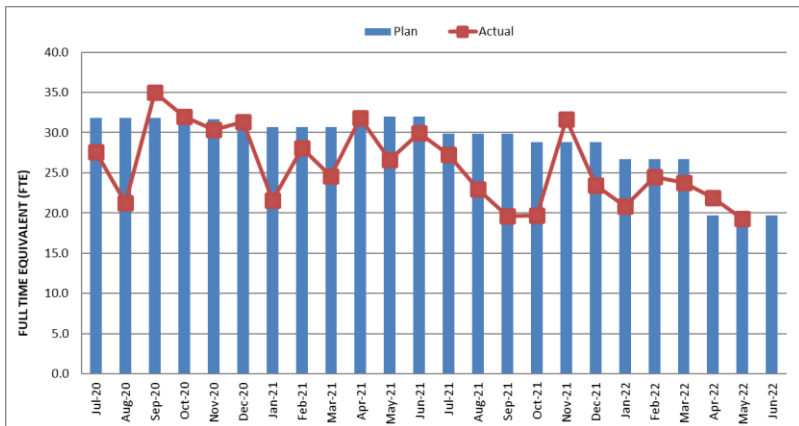
Staffing by Group

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

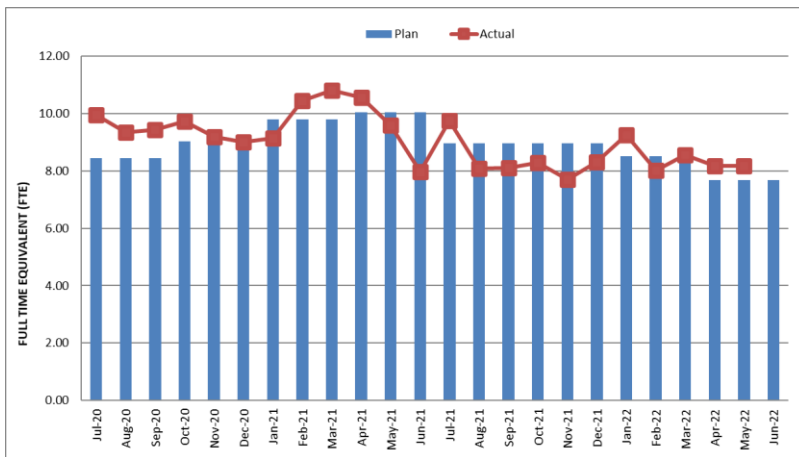
Metro staffing includes full-time staff located in the IPMO as well as part-time support located at Gateway Headquarters.

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 April 2022

REAL ESTATE

Open Real Estate Matters – Six Parcels Remaining

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. *All documents have been received; this deed is currently in escrow.*
- The Purchase and Sale Agreement with original signatures was received and the Grant Deed has been fully executed by LACMAT Real Estate processing agreement and payment. Pending acknowledgements for notarized signatures on Grant Deed before processing payment.

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.
- The Public Works Committee to approve the exempt surplus property status in February, items will then go back to City Council by end of February for final approval. All City approvals received, pending approval from HCD that the sale meets Surplus Land Act requirements. *All approvals have been received; purchase agreement from the City is pending.*
- The GTK Way draft appraisal received, in review. Once reviewed, an offer of just compensation will be made to the City. Appraisal received and will be presented to the City. Offer presented to the City who is conducting an internal valuation to submit counteroffer. *A settlement has been reached; purchase agreement from the City is pending.*

QUALITY ASSURANCE

Metro QA performed the following activities during the month of *June 2022*:

- Performed oversight verification of RCC's design and construction activities
- Reviewed and provided comments on RCC's Quality related submittals
- Attended daily meeting/briefing, CMSS personnel
- Reviewed test results for Portland Cement Concrete, Soils Testing, Asphalt Testing and Non-Destructive Testing of Welding
- Attended CQWP and "Readiness Review" meetings with RCC
- Attended Bi-Weekly Quality Review Meetings and weekly SIT with RCC Quality Management
- *One Non-Conformance Report (C0980-2022-NCR-07) was initiated by Metro during the period, for numerous yellow concrete truncated dome edge pavers at the Little Tokyo/Arts District Station platform damaged after installation.*

As of June 2022, there have been a total of 138 NCRs issued by RCC; six (6) of which remain open.

ENVIRONMENTAL

The Project continues to hold bi-weekly coordination meeting between Metro and RCC.

Stormwater Pollution Prevention Plan (SWPPP) inspections of active Project work areas are conducted weekly by RCC. Metro performs additional inspections and shares observations with RCC for corrective action. Metro receives copies of communication sent between field sites and QSP-designee related to observed deficiencies and corrective actions. Change of Information to extend construction end date in SMARTS to December 31, 2022, is in process. BMP drawings were updated to reflect current site conditions.

Flowmeters at Hope, Central and Broadway are now at track level. Documentation for final sewer permits is with Metro for preparation, awaiting documents 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.

There have been inquiries relevant to environmental compliance from stakeholders adjacent to the future Grand Av Arts/Bunker Hill Station; however, Metro/RCC's Community Relations continue to be responsive and actively address community concerns in coordination with Area Leads, Resident Engineers, and field staff with respect to each construction site.

No historic period features were encountered in June 2022.

Due to the original lapsing before the completion of construction, a new Memorandum of Agreement (MOA) between the FTA and the California State Historic Preservation Officer (SHPO) to meet the requirements of the National Historic Preservation Act is required. FTA are working to initiate a new MOA with SHPO, Native American tribes, and consulting parties regarding a new MOA.

It is anticipated that the stipulations of the new MOA will be drawn from the original MOA less all work already completed under the original stipulations. Given the risk of advancing with ground-disturbing construction without an active MOU, the FTA and Metro are working to identify and defer all work that may have a detrimental impact on the discovery of significant historic and cultural resources under the project alignment until the new MOA is in-place. Activities identified thus far include street restorations, utility connections, and final paving. Those deferred activities will likely be undertaken early next year - after the initiation of revenue service.

CONSTRUCTION AND COMMUNITY RELATIONS

Construction Relations

- Responded and addressed Project related inquiries from the public received via the hotline, and email. The Little Tokyo Community Office remains closed due to the COVID-19 pandemic.
- Distributed twelve (12) construction notices to the public on various social media outlets. These notices were related to activities throughout the alignment to include concrete placement, utility work, geotechnical instrumentation maintenance, and civil improvements activities.
- Coordinated construction activities with over *forty* (40) stakeholders throughout the alignment.
- Presented virtually at *four* community *meetings* addressing planned activities, and the status of the project.
- Continued briefings with: LA City Council District 14, and the Mayor's Office.

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

Promoted *three* businesses and *two* *Little Tokyo* community festivals near the Project's alignment on social media posts, and e-newsletter: The Library Store, *Badmaash LA*, *Chado Tea Room*, *Delicious Little Tokyo* event and workshops, and the *Nisei Week Festival*.

CREATIVE SERVICES

Art Program

- Reviewed RFIs and submittals for glass, mosaic, and porcelain enamel steel artworks.
- *Held artist kick-off meetings for rotating lightbox and station entry glass artwork design services contracts.*
- Provided Quality Assurance review of porcelain enamel steel, *and glass mosaic installations* with Metro project team in coordination with the RCC.
- Continued assessment of Project operating impacts to signage systemwide.

SAFETY & SECURITY

C0980 Regional Connector

- In response to the COVID-19 pandemic, Project Safety Management continued to monitor compliance by RCC and IPMO staff with Federal, State, and City requirements for 'Essential Workers' on 'Critical Infrastructure' projects.
- Monitored RCC's pre-employment drug/alcohol testing and new employee safety orientation to ensure compliance with contract specifications.
- Conducted Project Safety Orientation for new Metro/Consultants and IPMO project staff. Training sessions included 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.

Project Safety Record

- RCC reported no Recordable Injuries in the month of *June 2022*.
- RCC reported 63,429 work hours for *May 2022*. RCC's total Contract to Date work hours through *May 2022* are 6,168,915 with a total of twenty-four (24) Recordable Injuries and no Lost Workday (Days Away) case injuries. The C0980 Contract Recordable Injury Rate is 0.78. 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 *May 2022* is 6,279,974 hours with twenty-five (25) recordable injuries. The Total Project Contractor Recordable Injury Rate is 0.80.
- Total Aggregate Project work hours for Contractors, Metro, and Support Services Consultants, through *May 2022* is 7,346,898 with 27 Recordable Injuries and no Lost Workday (Days Away) injury cases. The Total Project Aggregate Safety Rate is 0.74.*

* 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 |

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| 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. |

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| 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 st 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 th /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. |
| <i>June 2022</i> | <i>RCC completed Stainless Steel Elevator Enclosure at Historic Broadway Station.</i> |