



Metro

November 22, 2022

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SR. EXECUTIVE OFFICER/PROJECT MANAGEMENT

SUBJECT: CRENSHAW/LAX TRANSIT PROJECT
OCTOBER 2022 MONTHLY PROJECT STATUS REPORT

Attached herewith is the Monthly Project Status Report for the Crenshaw/LAX Transit Project. This report contains the Los Angeles County Metropolitan Transportation Authority's (LACMTA) representation of the Crenshaw/LAX Transit Project status for October 2022.

If you have any questions regarding this report or its supporting information, please contact Brittany Zhuang, Director, Project Control at (213) 424-7512.

SG: ts

Crenshaw/LAX Transit Project

MONTHLY PROJECT STATUS REPORT

OCTOBER 2022



CRENSHAW/LAX TRANSIT PROJECT

MONTHLY PROJECT STATUS REPORT

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

OCTOBER 2022

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PROJECT OVERVIEW

Project Background

The Crenshaw/LAX Transit Project is a north/south light rail line that serves the cities of Los Angeles, Inglewood, Hawthorne and El Segundo as well as portions of unincorporated Los Angeles County. The alignment extends 8.5 miles, from the intersection of Crenshaw and Exposition Boulevards to a connection with the Metro Green Line south of the Aviation/LAX Station. The project provides major connections with the Los Angeles International Airport (LAX) as well as links to the C Line (Green), the E Line (Expo) and countywide bus network.

Two additional stations, Leimert Park and Westchester/Veterans were funded by the City of Los Angeles and by Metro and were approved to be part of the project by the Metro Board in May 2013. The Metro Board in July 2014 and again in May 2015 approved a revision to the project alignment to include accommodations to the alignment at 96th Street to not preclude a future light rail Metro Rail station being developed as part of the Airport Metro Connector (AMC) project as part of the LAX/Metro Transit Center Station. These accommodations are not funded by the Crenshaw/LAX Transit Project but are paid for by the Airport Metro Connector (AMC) project.

The alignment is comprised of a double-tracked rail line consisting of sections of at-grade in-street, at-grade within railroad right-of-way, aerial, and below-grade guideway sections, eight stations, park and ride facilities at two locations, utilities, landscaping, roadway improvements required by the project and a maintenance & storage facility (Southwestern Yard).

The project alignment consists of three Segments A, B and C:

- Segment A stretches from south at C Line (Green), underground structure 1(UG1), aerial station at Century/Aviation to at grade Westchester/Veteran station including maintenance and vehicle storage facility. .
- Segment B includes 3 at grade stations (Downtown Inglewood, Fairview Heights and Hyde Park) and underground structure 3 (UG3) to 48th street portal.
- Segment C includes the remaining north portion of the project from underground portal structure 4 (UG4), three underground stations Leimert Park, Martin Luther King and Exposition.

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

- Major Investment Study – 2003
- Metro Board approval of Alternative Analysis – December 2009
- Initiation of Preliminary Engineering – September 2010
- Metro Board certification of Final EIS/EIR – September 2011
- FTA issuance of Record of Decision – December 2011
- TIFIA and TIGER II Grants approved September 2012



Major Procurements

Contract C0990 Crenshaw/LAX Advanced Utility Relocations

The design of several early utility relocations was advanced sufficiently into final design to allow for bidding of critical early utility relocations. This contract includes relocating three (3) existing duct banks that feed various NAVAIDS on the south airfield complex. New duct bank infrastructure was built by Metro with the fiber replacement work and cut over by FAA/LAWA. These duct banks contain fiber lines and power lines which belong to both LAWA and FAA. Since the track alignment is below grade at these crossings, the duct banks were relocated in advance to allow for the construction of the track alignment. In addition, other wet utilities along the Harbor Branch and Crenshaw Boulevard segments of the corridor that can be relocated in advance were included as part of this contract.

Design-Build Contract C0991 Southwestern Yard

The Board-adopted 2009 Long Range Transportation Plan (LRTP) for Los Angeles County envisioned one new central Light Rail Transit (LRT) Maintenance facility to be used by all projects. Since the LRTP adoption, substantial progress on light rail system planning and development, including more accurate vehicle assignments, cost estimates, and functional requirements, has led Metro to conclude that two new light rail vehicles (LRT) yards, an Eastern Yard and a Southwestern Yard, are necessary. This contract constructed the Southwestern Yard which consolidated maintenance facility requirements for this project as well as the operating Metro Green Line, proposed South Bay Metro Green Line Extension and proposed Metro Green Line to LAX. Southwestern Yard is complete and maintained by Metro Operations.

Contract C0992 Crenshaw/LAX Concrete Ties and Assembly Items

Metro added a contract for procuring owner-supplied equipment for the Design-Build Contract C0988 Crenshaw/LAX Transit Corridor Contractor. The equipment within the contract scope of work includes concrete ties and assembly items. Procurement completed and delivered to the project.

Contract C0992A Crenshaw/LAX Rail and Bumping Posts Procurement

Metro added a contract for rebidding the procurement of running rail and bumping posts for the Design-Build Contract C0988 Crenshaw/LAX Transit Corridor Contractor including a bumping post for the Design-Build Contract C0991 Southwestern Yard. Procurement completed and delivered to the project.

Design-Build Contract C0988 Crenshaw/LAX Transit Corridor

This is the largest project contract that completes final design and construction of the infrastructure required along the corridor alignment. The structures required to be constructed are eight stations (at-grade, elevated and underground), grade separations including flyover structures, cut and cover trenching, tunneling and two park-n-ride facilities. The scope of work includes all the necessary systems work including train control, traction power supply substations and distribution, overhead catenary/contact rail, communications, and systems tie-in to the existing C Line (Green). The project delivery method for this contract was design-build utilizing a two-step best value procurement approach with submittal of qualification statements through an RFQ process, prequalification of qualified proposers followed by the release of an RFP soliciting technical and price proposals with an option at Metro's discretion for Best and Final Offers (BAFO).

Light Rail Vehicles

The Board approved exercising Option 1 of Contract P3010 with KinkiSharyo International (KI) to provide light rail vehicles (LRV) for the Crenshaw/LAX project. The total number of vehicles in the Option is 28 which includes 20 LRVs for the Crenshaw/LAX project and two additional cars for spares. The remaining six cars are for replacement of Metro's current fleet. The final P3010 car (22nd car) for Crenshaw/LAX project was delivered in September 2017, completing the Option delivery for the Crenshaw Project. All twenty-two (22) Crenshaw cars. KinkiSharyo International, LLC of Light Rail Vehicle Contract P3010 completed the onboard vehicle verification testing for K-Line revenue service.

Rail Operations Center (ROC)

The existing functional operations at the ROC has expanded to accommodate the central control functions associated with five new rail lines including Crenshaw/LAX Project. The Project is contributing \$3.5 million towards this expansion for Crenshaw/LAX Transit Project. ROC installation and testing were completed in February 2020. Metro has completed SCADA System Integration Test Phase 2 (SIT-2) tests. Metro Operations completed Pre-revenue Operations full simulation and K-Line started Revenue Service and opened to the public on October 7, 2022.

Fare Collection

The Universal Fare Collection System (UFCS) contractor Cubic and mainline contractor WSCC have completed installation work at all locations. Fare gates, swing gates, and ticket vending machines (TVMs) installation are complete including final testing SIT-2 verification of the Fare collection system from ROC and the system was activated during Revenue Service.

Program Management

The Walsh Shea Corridor Constructors (WSCC) contract is being managed by a team of Metro and consultant personnel jointly located at the Integrated Project Management Office (IPMO). Mott MacDonald provides engineering and design support services while Stantec, Inc. provides construction management support services. An overview of staffing 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 are not limited to, engineering, risk management, environmental, community relations, quality management, operations, and creative services departments. In addition, a Project Management Support Services (PMSS) consultant is providing resources to supplement staff.

Project Schedule:

Metro issued in September 2018 a non-compensable unilateral change order (CO-223.1) to WSCC to extend their substantial completion milestone to December 11, 2019. The project continues to fall behind the dates reset in the non-compensable unilateral change order. WSCC in their final monthly schedule update in June 2022, reflects a WSCC Substantial Completion date of June 17, 2022, which Metro issued the certification of project substantial completion. All remaining open items are tracked and part of the project's final acceptance.

Project Budget:

In May 2013, the Metro Board approved a Motion that amended the fiscal year 2014 Proposed Metro Budget to include funding for an underground station at Leimert Park Village and an at-grade station at Westchester/Veterans as part of the baseline project. This Motion added \$135 million to the Life of Project (LOP) budget which included \$80 million in the uncommitted fiscal year 2014 funding and \$55 million from the City of Los Angeles. Metro reached an agreement with the City of Los Angeles to cover the incremental cost of the stations above the \$80 million identified in fiscal year 2014 funding which the Metro Board approved in May 2013.

With Metro Board approval on June 27, 2013, the additional \$135 million is included in the sources of funds chart as well as the additional \$160.1 million for the increased cost of the base

work. All recommendations were approved by the Metro Board on June 27, 2013, except that change order authority was maintained at \$500,000. This board action amended the life of project budget to \$2,058 million.

The Metro Board approved on May 28, 2015, an increase in the amount of funding that the Crenshaw/LAX Project is contributing toward the total cost of the Southwestern Yard Project. An additional \$10.8 million is required to be funded by drawdown from the Unallocated Contingency Current Budget Standard Cost Code (SCC) 90 and added to the Southwestern Yard Current Budget SCC 30. The current budget includes the 49% cost allocation share that the project is responsible for paying which includes funding of the design and construction for the Southwestern Yard. This amount is revised to \$150.2 million out of a new total of \$307.2 million adopted by the Metro Board.

Due to the extension of the Project's Substantial Completion date, the Metro Board of Directors action on May 28, 2020, increased the Life-of-Project Budget by \$90 million. The additional funding is required to provide funding for professional services that support the completion of the Project. The required support includes Metro staff and professional services consultants who provide various services to assist in the management and oversight of the Project.

Construction and Community Relations:

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

The Project is also engaged in social media outreach and various marketing and advertising efforts designed to keep the public informed and excited about 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.

System Integration:

The Project's integration of three separate lines, each possessing distinct system technologies, presents significant challenges for both the Project and Metro. The Project is coordinating the systems interface design, construction, testing, and commissioning while the Agency maintains revenue service on the operating lines. The Crenshaw Project (K Line) tie-in with the Metro Rail C Line (Green) was completed and tested.

Metro's Project Team is monitoring and coordinating any deficiencies identified during revenue service with operations, mainline contractor, and ROC management team. System Integration Testing Phase 2 (SIT-2) of SDADA and non-SCADA points for all systems are complete.

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 the south Los Angeles area. Associated detailed rail activation planning Revenue Readiness Plan (RRP) and critical path scheduling efforts are complete.

Metro Operations has completed Southwestern Yard (Division 16) rail activation and the mainline Crenshaw Project (K Line) alignment. Metro Management, Operations, WSCC Contractor, and California Public Utilities Commission (CPUC) are addressing any open issues as needed. The FTA/PMOC have completed the project "Readiness for Service" review process as per Oversight Procedure 54 (OP54) in collaboration with the Metro team. Metro operations has completed their readiness and started the K-Line passenger service on October 7th, 2022.

EXECUTIVE SUMMARY

The Project has achieved 99.98% completion based on earned value measurements for design and construction.

The following is an overview of current design and construction activities.

Design Status

Design - Build Contract C0988 (Mainline Contractor)

The engineering support during construction is complete. WSCC continues to support the coordination and resolution of engineering issues including submittals, NCR’s, and as-builts.

Construction Status

Design - Build Contract C0988 Mainline Contractor

WSCC continues working on the punch list and open items along the alignment which are being tracked in BIM-360. WSCC and Metro continue to coordinate with other agencies as needed. The remaining open items are listed and monitored, tracked, and planned to be resolved prior to the project final acceptance. Metro continues to track a project scorecard for all open items that are also being discussed during management meetings between Metro and WSCC. Progress on the installation and testing is proceeding as follows:

- SIT-2 of SCADA points are complete for all subsystems from ROC.
- The Universal Fare Collection System (UFCS) is activated for Revenue Service.
- All open items are added to BIM-360 with priority for tracking and resolution. Weekly scorecards for the project is being discussed during management meetings.
- Stations and tunnels final adjustments and cleaning was performed prior to K- Line opening to the public.
- Metro received “Safety/Security Certification Verification Report (SCVR)” to California Public Utility Commission (CPUC) and started Revenue Service as planned.

Cost and Schedule Summary

Metro Board of Directors action in May 2020 increased the Life-of-Project Budget by \$90 million. The increase is required due to the forecast delay of Substantial Completion to December 2020. The additional funding is required to provide funding for professional services that support the completion of the Project. Detailed cost information is provided later in this report.

WSCC Schedule Metrics – Mainline Contractor

	Original Contract Date	Time Extension (CD)	Current Contract Schedule	Actual (Contractor)	Variance (CD)
NTP	09/10/13				
Substantial Completion including SIT-1	09/08/18	459	12/11/19	6/17/22	-919

To date, the design and construction changes for WSCC related to base scope represent approximately 15% of the contract value which includes 4% funded by other Metro projects.

Key Management Concerns

No. 1: WSCC Construction Schedule Progress

Status/Action

WSCC has submitted their final Schedule for July 2022, which reflects Substantial Completion (SIT-1) date of June 17, 2022. There were discrepancies and open items (BIM 360) left to be completed by WSCC or their subcontractors and inspected by Metro prior to final acceptance. The schedule delays and impacts are being addressed as part of the Request for Equitable Adjustment (REA-2).

No 2: Remaining Contingency is less than 2% of Total Project Budget.

Status/Action

Metro monthly monitors and reports on the drawdown of contingency. In October 2022, there was a contingency drawdown of \$0.13 million which decreased the remaining contingency to \$3.83 million. The remaining contingency is 0.2% of the total project current forecast and 11.2% the of total project cost-to-go. Credit changes are being addressed concurrently with other changes.

No. 3: WSCC Design/Engineering Support during Construction, Installation and Testing

Status/Action

There are engineering support activities during construction and testing such as test reports, submittals, re-submittals, requests for information (RFI), Non-Compliance Report (NCR's), Fire Life Safety (FLS) issues, including new field issues that have impacted the field work and testing progress. All remaining open items are expected to be completed by project final acceptance.

No. 4: WSCC Required Rework and Impact to Follow-on Subcontractors

Status/Action

Several areas of work along the alignment could not be completed due to damaged, incomplete, and missing components. The schedule delays and impacts are being addressed as part of the Request for Equitable Adjustment (REA-2).

No. 5: 3rd Party Coordination and Impact on follow-up activities.

Status/Action

Multiple areas of work along the alignment require close coordination with 3rd Party Agencies. The permanent power energization issues have been resolved, utility company equipment has been energized, permanent distributed power is complete and temporary power is removed from all locations. This item is resolved.

No. 6: COVID-19 Impact on the progress of the Project

Status/Action

Construction continues as an essential service under guidelines set forth by the City of Los Angeles. Safety protocols are continued to be required and monitored. Preventive measures have been implemented and the impact of Coronavirus (COVID-19) on project progress is being monitored by WSCC and Metro. This item is being addressed as part of the REA-2.

No. 7: MSE Wall 202L Settlement and Movement

Status/Action

Construction activities around the Mechanically Stabilized Embankment (MSE) Wall 202L movement were suspended pending a detailed analysis of the cause of movement and mitigation measures which were completed and train testing was allowed to resume in March 2021. This item is resolved.

No. 8: Emergency Management Panel (EMP) Display Omissions by WSCC

Status/Action

Several key components of EMP screen display of emergency hatch alarm and ventilation scenarios were omitted by WSCC. Metro and WSCC have worked together and have resolved all the safety concerns. This item is resolved.

No. 9: Progress Rate of Testing for Local Factory Acceptance and System Integration

Status/Action

The remaining required WSCC testing effort including LFAT, Commissioning and SIT-1 were critical and considered a significant part of the required scope of work. The actual production rate of successful testing did not support WSCC's Monthly Schedule Updates or the weekly projections. This item is resolved

No. 10: OCS balance weight anchor stainless steel rope damage and fraying

Status/Action

During the field inspection and joint walk between Metro and WSCC it was discovered that Overhead Catenary System (OCS) balance weight anchor ropes were damaged at various degrees. WSCC/LKC and their specialty subcontractors identified the cause and have developed a potentially permanent solution that was approved by HNTP (Engineer of Record) and accepted by Metro engineering. LKC has replaced the ropes and completed the implementation of the final solution. This item is resolved.

PROJECT CONSTRUCTION PHOTOS



Ribbon Cutting Celebration on October 7, 2022



Metro CEO declaring K-Line officially operational and open to public to carry passengers



K-Line banner break through ceremony



K-Line official banner break through and opening to public



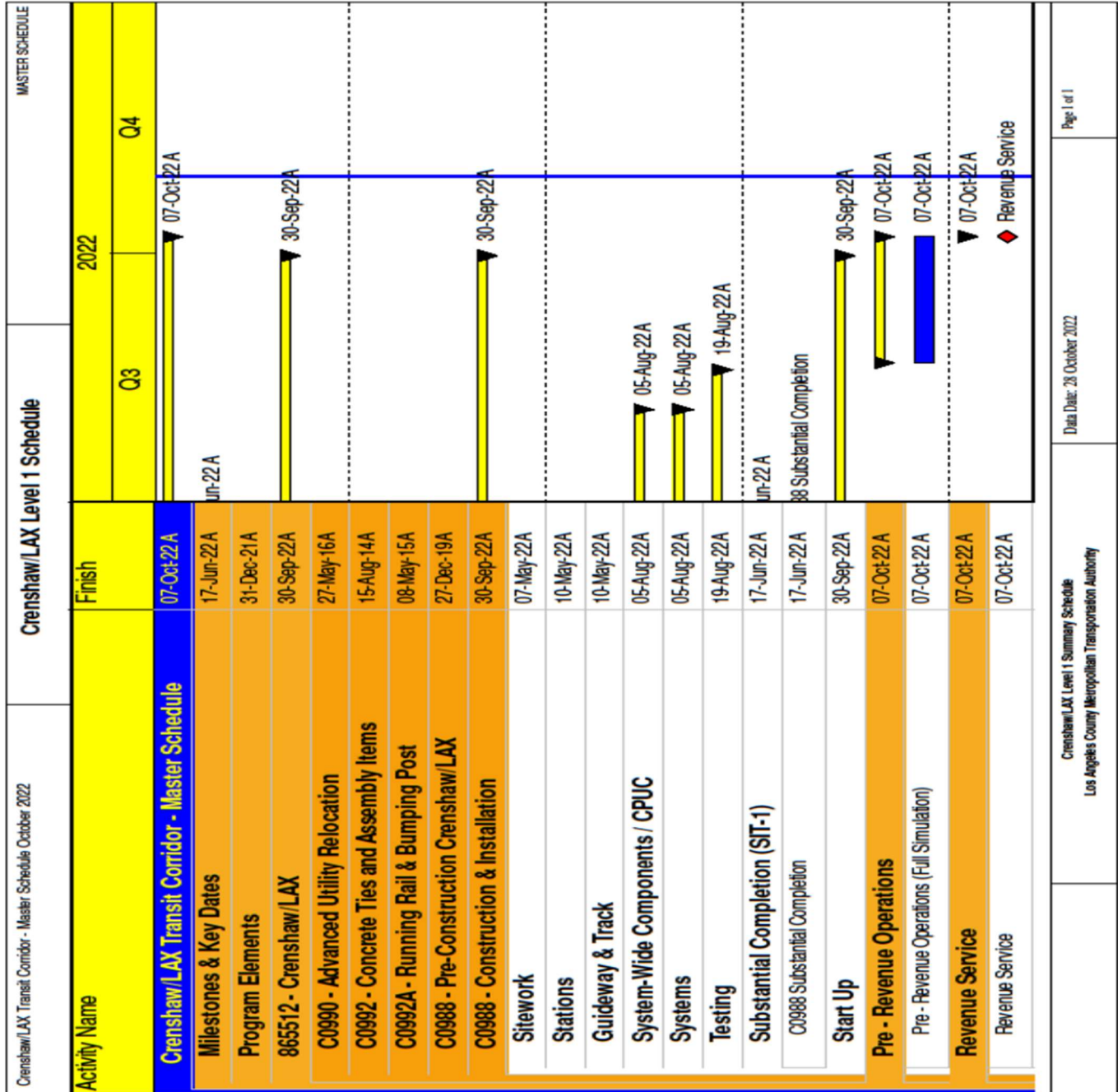
K-Line open to public



Passengers boarding trains

PROJECT UPDATE

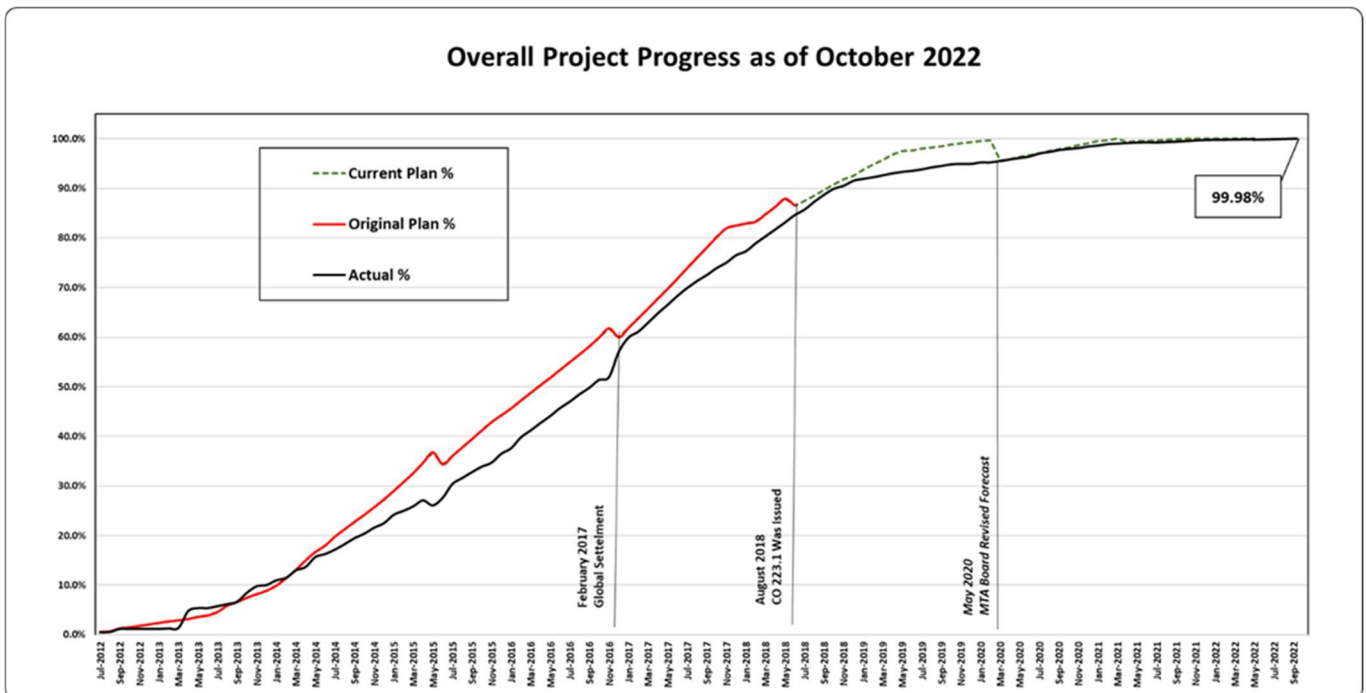
Project Summary Schedule



Progress Summary

	Status	Change from Last Period	Comment
Current Revenue Service:	5/24/21	NA	
Forecast Revenue Service:	10/7/22	0 days	Revenue Service Started
Final Design Progress:			
Contract C0988	100%	None	Design Completed
Contract C0990	100%	None	Design Completed
Contract C0991	100%	None	Design Completed
Contract C0992	100%	None	Design Completed
Contract C0992A	100%	None	Design Completed
Construction Contracts Progress:			
Contract C0988	99.95%	0.01%	Behind Schedule (Adjusted)
Contract C0990	100%	None	Completed
Contract C0991	100%	None	Completed
Contract C0992	100%	None	Completed
Contract C0992A	100%	None	Completed

Planned vs. Actual Progress



Key Milestones Six Months Look-Ahead

	Milestone Date	Sep-22	Oct-22	Oct-22	Nov-22	Dec-22	Jan-23
Metro Issues Safety/Security Certification Verification Report (SCVR) to California Public Utility Commission (CPUC) for Approval *	9/13/22 A	◆					
Resolve all FLS tracking list *	9/19/22 A	⬡					
CPUC Approves SCVR *	9/28/22 A	◆					
Metro Complete System Integration Phase II (SIT-2 Safety Critical)	9/30/22 A	◆					
Metro CLAX Revenue Service Date *	10/7/22 A		◆				

◆ MTA Staff M MTA Board Action ⌘ FTA (Federal Transit Administration) ▽ Utility Company
 △ Other Agencies □ C0991 D/B Contractor ○ Design Consultant ⬡ C0988 D/B Contractor

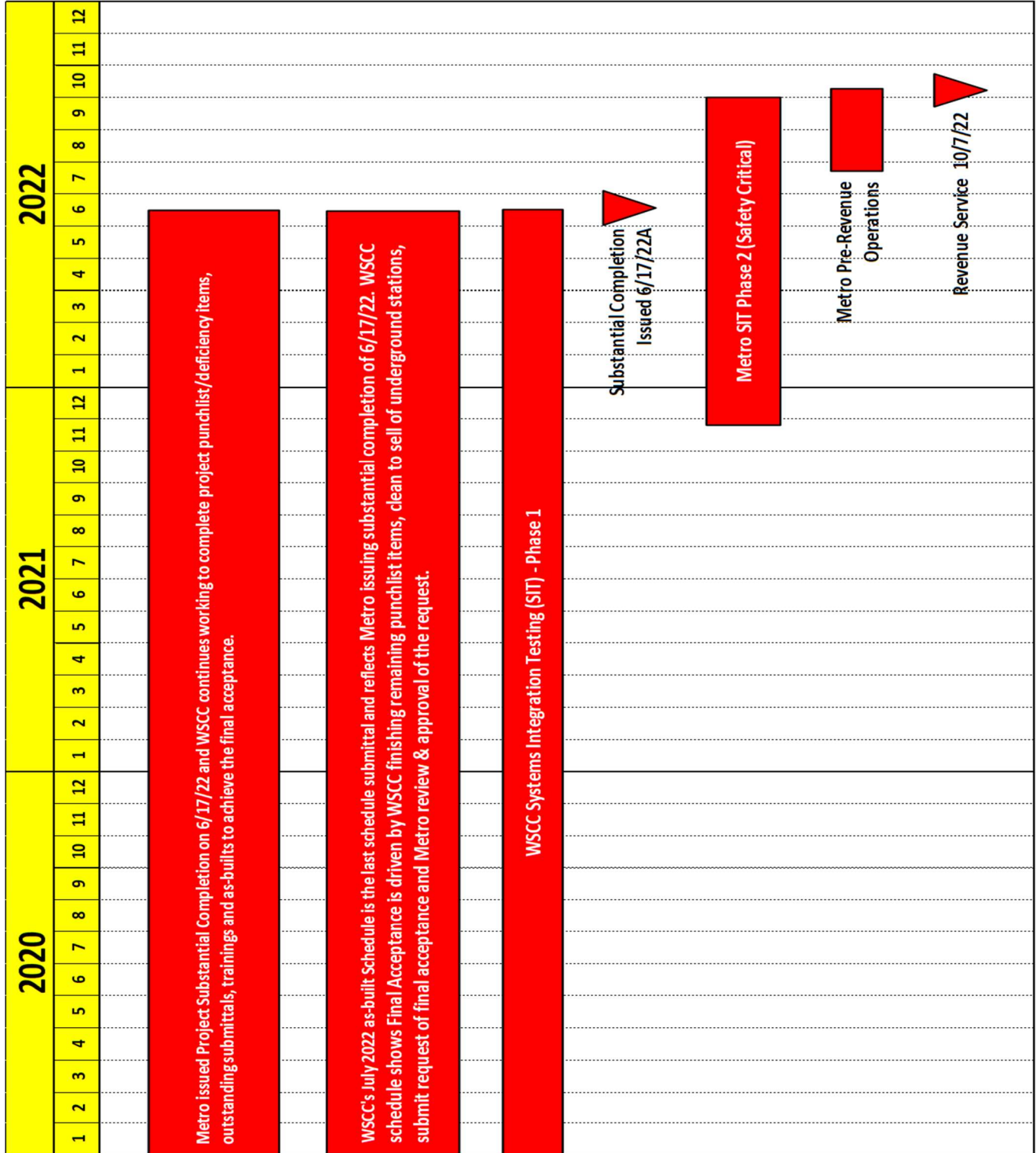
"A" following date is actual and completed * New Date

K-Line (CLAX) Started carrying passenger on October 7th, 2022.

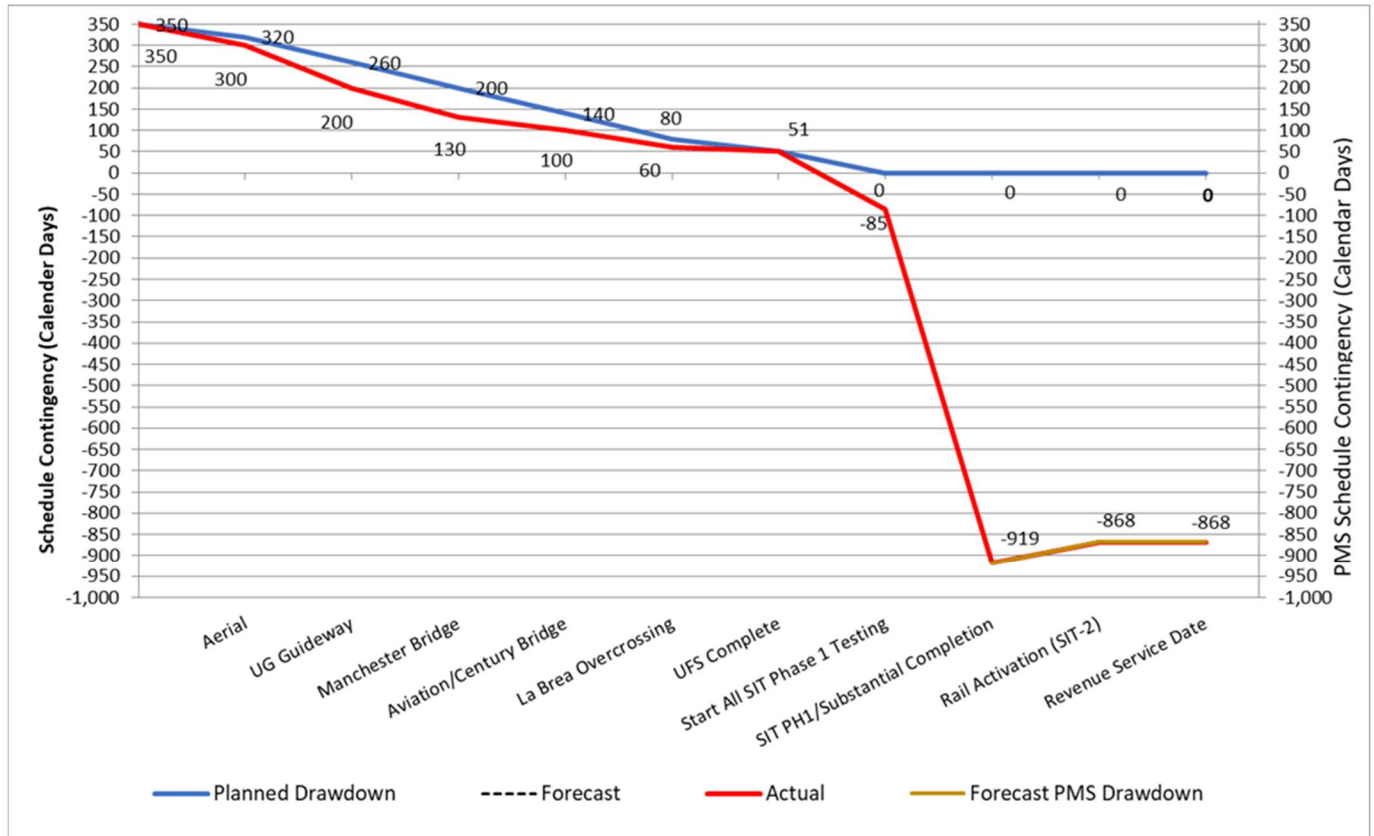
Major Equipment Delivery Status

<i>Metro Supplied Equipment</i>			
Equipment	Initial Procurement	Scheduled Delivery	Scheduled Installation
LRT Vehicles	(NTP) 8/20/12 A	Option 1 9/1/17 A	N/A
Ticket Vending Machines and Equipment	1/30/18 A	2/28/19 A (Warehouse)	Installed, activated 10/7/22
<i>Mainline Contractor Equipment Delivery Requirements</i>			
Activity Name	Early Finish	Need Date	
Remaining procurements items and replacement due to damage and quality issues are tracked separately under warranties	As needed	NA	
All areas of the project (Segments A, B & C) are turned over to Metro operations, equipment warranties, and maintenance are being coordinated.	As needed	NA	
* All the replacement items are tracked in Building Information System (BIM-360).			

Critical Path



Project Schedule Contingency Drawdown



Metro issued in August 2018 a non-compensable unilateral change order (223.1) to WSCC to extend their substantial completion milestone to December 11, 2019. Thus, performance measurement is now tracked against this date.

Contract milestone No. 1 “Substantial Completion” certification for the project was issued on June 17, 2022. Metro is proceeding with System Integration Testing Phase II and completed safety critical points by September 30, 2022. Pre-revenue operations full simulation started on August 22, 2022 and K-Line put in service on October 7, 2022.

Risk Management Narrative

Summary of Risks

Within this reporting period no risk was closed. No new risk was added. There is a total of four (4) risks remaining to be managed in the next reporting period. Of the remaining risks, one (1) is scored as high (10 to 20 risk rating), one (1) as medium (4 to 9 risk rating), and two (2) as low (Less than 4 risk rating) and was in the process of being closed.

Top Risks: The table below shows the top project risks:

Risk ID	SCC	Risk Description	Risk Rating
359	80	Extended Overhead or productivity loss claims exposure not covered by cost impacts in individual risks. REA claim was received on 8/19/2021. An amendment to the REA claim was received on 12/31/2021 and is being evaluated by the claim team. Metro & WSCC are Continuing to resolve small changes.	15

Newly Identified Risks: There are no new items added to the risk register.

Closed Risks: Two risks are closed in this period.

Risk Score Changes: Four risk scores are changed this period.

Actions in Next Reporting Cycle: Continuous efforts in Risk Management will be made through the following actions: The remaining risks are cost related and are being addressed under separate negotiation process. No more Risk management report is needed

PROJECT COST Project Cost Analysis

SCC CODE	DESCRIPTION	ORIGINAL BUDGET	CURRENT BUDGET		COMMITMENTS		EXPENDITURES		CURRENT FORECAST		FORECAST VARIANCE
			PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	
10	GUIDEWAYS	471,335,000	-	417,788,306	-	415,625,898	-	415,625,898	-	415,625,898	(2,162,408)
20	STATIONS	153,906,000	-	308,067,041	-	305,809,850	182	305,602,668	-	305,889,850	(2,177,191)
30	SUPPORT FACILITIES SOUTHWEST YARD	66,673,000	-	66,919,206	-	66,634,870	-	66,584,870	-	66,634,870	(284,336)
40	SITWORK/SPECIAL CONDITIONS	235,576,000	-	404,953,359	(937,360)	418,414,635	288,184	409,917,279	6,594	420,849,799	15,896,440
50	SYSTEMS	125,132,000	-	175,073,936	58,635	172,850,289	126,694	167,633,672	(1,080,138)	172,912,626	(2,161,311)
CONSTRUCTION SUBTOTAL (10-50)		1,052,622,000	-	1,372,801,849	(878,725)	1,379,335,541	415,060	1,365,364,386	(1,073,544)	1,381,913,043	9,111,194
60	RIGHT-OF-WAY	132,294,000	-	137,726,295	-	139,128,481	8,125	138,801,299	-	139,129,941	1,403,646
70	LRT VEHICLES	87,780,000	-	83,571,544	-	82,158,061	-	81,837,755	(1,413,470)	82,158,074	(1,413,470)
80	PROFESSIONAL SERVICES	273,147,000	-	501,844,251	1,580,746	512,492,114	1,446,962	498,432,830	2,621,571	515,423,422	13,579,171
SUBTOTAL (10-80)		1,545,843,000	-	2,095,943,938	702,022	2,113,114,197	1,870,147	2,084,436,271	134,557	2,118,624,480	22,680,541
90	UNALLOCATED CONTINGENCY	177,157,000	-	26,507,031	-	-	-	-	(134,557)	3,826,489	(22,680,541)
100	FINANCE CHARGES	-	-	-	-	-	-	-	-	-	-
TOTAL PROJECT 865512 (10-90)		1,723,000,000	-	2,122,450,969	702,022	2,113,114,197	1,870,147	2,084,436,271	(0)	2,122,450,969	(0)
ENVIRONMENTAL/PLANNING - 405512		5,526,150	-	5,526,150	-	5,526,150	-	5,526,150	-	5,526,150	-
ENVIRONMENTAL/PLANNING - 465512		20,473,850	-	20,022,881	-	20,022,881	-	20,022,881	-	20,022,881	-
TOTAL PROJECTS 405512 & 465512 (ENV/PLANNING)		26,000,000	-	25,549,031	-	25,549,031	-	25,549,031	-	25,549,031	-
TOTAL PROJECTS 405512, 465512 & 865512		1,749,000,000	-	2,148,000,000	702,022	2,138,663,228	1,870,147	2,109,985,302	(0)	2,148,000,000	(0)

1. Expenditures are Cumulative through October 28, 2022.

The project numbers 405512, 465512, 865512 and 860003 are internal to Metro and are used to differentiate between environmental/planning and construction.

Original Budget

The Board in October 2011 established the Life-of-Project (LOP) Original Budget of \$1,749 million for the Crenshaw/LAX Transit Project.

Current Budget

In May 2020, the Board amended the LOP budget by \$90 million, increasing the Total LOP Current Budget to \$2,148 million. This action was necessary due to the extension of the Project's Substantial Completion date to December 2020 and revenue service to commence in 2021. The LOP budget was amended to provide additional funding for professional services that are required to support the completion of the Project. The required support includes Metro staff and professional services consultants who provide various services to assist in the management and oversight of the Project.

Commitments

Commitments increased by \$0.7 million this period to \$2,138.7 million which represents 99.6% of the current budget. The total increase is associated with professional services

Expenditures

Expenditures increased by \$1.9 million this period to \$2,110.0 million which represents 98.2% of the current budget. The total increase is for costs associated with design-build Contract C0988 Crenshaw/LAX Transit Corridor and professional services.

Current Forecast

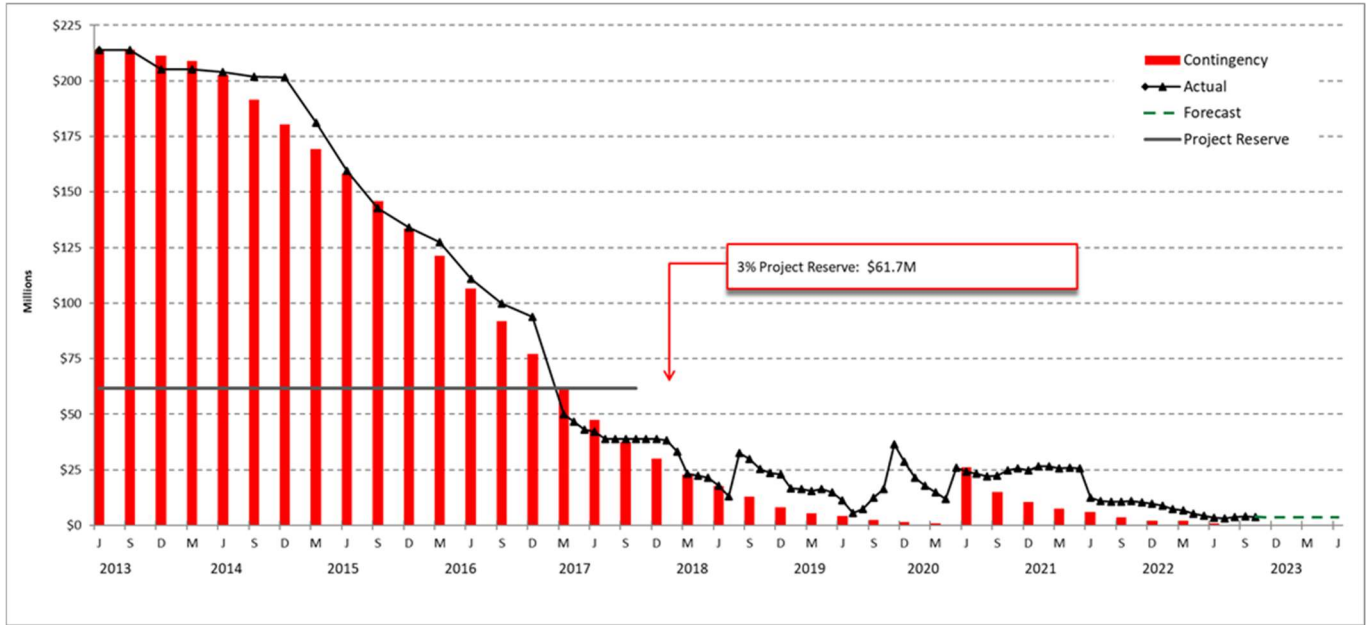
The total current forecast remains the same as the total current budget.

Non-Crenshaw/LAX Transit Project Funded Scope of Work

The costs shown in the table below are not part of Crenshaw/LAX Transit Project costs but are funded by other Metro projects using the services of the alignment design-builder (Contract C0988).

C0988 NON-CRENSHAW/LAX TRANSIT PROJECT FUNDED SCOPE OF WORK									
DESCRIPTION	CURRENT BUDGET		COMMITMENTS		EXPENDITURES		CURRENT FORECAST		FORECAST VARIANCE
	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	
405556 SYSTEMWIDE TRANSIT PLANNING	-	320,035	-	320,035	-	320,035	-	320,035	-
210090/93 FARE GATE PROJECT	-	4,891,226	-	4,391,226	-	4,391,226	-	4,391,226	(500,000)
210152 CRENSHAW/LAX BUS TRANSFER FACILITY	-	2,200,000	-	2,200,000	-	2,200,000	-	2,200,000	-
460303 AIRPORT METRO CONNECTOR	-	37,914,465	-	37,366,770	-	37,366,770	-	37,914,465	-
500013 C/LAX LAWA SCOPE OF WORK	-	1,114,613	-	1,114,613	-	1,114,613	-	1,114,613	-
405522 HIGHWAY PLANNING	-	105,457,668	-	105,457,668	-	105,402,636	-	105,457,668	-
TOTAL	-	151,898,007	-	150,850,312	-	150,795,281	-	151,398,007	(500,000)

Cost Contingency Drawdown



Cost Contingency Drawdown Analysis

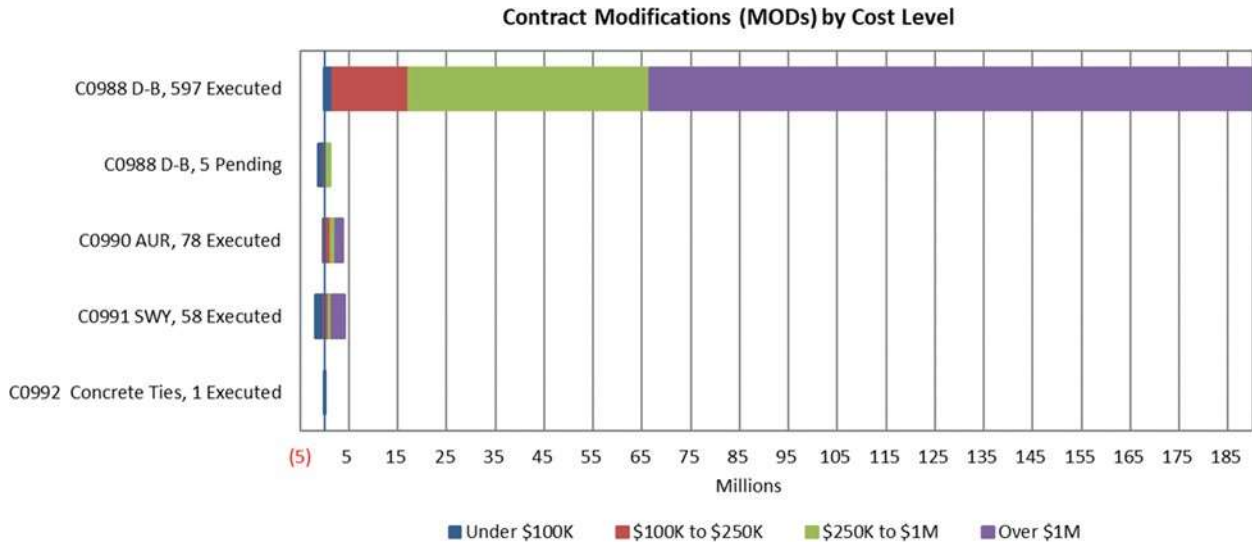
In May 2020, the Board amended the LOP budget by \$90 million, increasing the Total LOP Current Budget to \$2,148 million. The increase included \$14.2 million for additional unallocated contingency. The drawdown plan is correlated to anticipate risk trends and measures drawdown moving forward.

Included in the project contingency drawdown is a 3% project reserve threshold. The Board is to be notified when it becomes necessary to drawdown contingency below the project reserve line to cover project costs. This notification request was adopted by the Metro Board of Directors in September 2012. In February 2017, the project contingency drawdown curve went below the 3% project reserve level, and the Board was notified.

This month, \$134,557 was drawn down from contingency. The remaining total project contingency (allocated and unallocated) is \$3,826,489.

PROJECT COST CONTINGENCY (through 28-October-2022)					
UNITS IN DOLLARS					
	Original Contingency	Previous Period	Current Period	To-Date	Remaining Contingency (Forecast)
Unallocated Contingency	173,500,000	(169,538,953)	(134,557)	(169,673,511)	3,826,489
Allocated Contingency	40,366,792	(40,366,792)	-	(40,366,792)	-
Total Contingency	213,866,792	(209,905,745)	(134,557)	(210,040,302)	3,826,489

Summary of Contract Modifications



	C0988	C0990	C0991	C0992	Total
	596 Executed	78 Executed	58 Executed	1 Executed	
Under \$100K	\$ 1,195,457	\$ (70,251)	\$ (1,918,854)	\$ 81,738	\$ (711,910)
\$100k to \$250K	\$ 15,530,314	\$ 1,280,184	\$ 875,202	\$ -	\$ 17,685,700
\$250K to \$1M	\$ 49,476,725	\$ 984,662	\$ 590,334	\$ -	\$ 51,051,721
Over \$1M	\$ 124,014,264	\$ 1,417,202	\$ 2,590,000	\$ -	\$ 128,021,466
Total Contract MODs	\$ 190,216,759	\$ 3,611,797	\$ 2,136,682	\$ 81,738	\$ 196,046,976
Contract Award Amount	\$ 1,272,632,356	\$ 7,827,500	\$ 172,312,695	\$ 2,161,297	\$ 1,454,933,848
% of Contract MODs	14.95%	46.14%	1.24%	3.78%	13.47%

Five hundred and ninety-seven (596) changes with a total value of \$190.22 million have been executed since the award of Contract C0988. There is an additional three (3) changes with a total value of **-\$0.20** million pending the administrative approval process.

Seventy-eight (78) changes with a total value of \$3.61 million have been executed for the completed Contract C0990.

Fifty-eight (58) changes with a total value of \$2.14 million have been executed since the award of Contract C0991.

One (1) change with a value of \$81,738 was executed for the completed Contract C0992.

Percent of Contract modifications equals the total Change modifications divided by the Contract Award amount

DISADVANTAGED BUSINESS ENTERPRISE (DBE)

Contract C0988 Crenshaw/LAX Transit Corridor Design-Build

(Reported Data as of September 2022)

- **DBE Goal (Design)** – A numerically expressed percentage of funds apportioned to Design Contracts and is calculated based upon the relative availability of DBE firms as compared to all firms in the relevant geographic market area. **20.00%**
- **Current DBE Commitment** - Contract DBE Committed Dollars divided by Total Contract Value for Design or Construction. **\$29,700,639 (20.00%)**
- **Current DBE Participation - Total amount** paid to date to DBEs divided by the amount paid to date to Prime. **\$30,400,875 (20.49%)**

Twenty-Six (26) Design subcontractors have been identified to-date

- **DBE Goal (Construction)** – A numerically expressed percentage of funds apportioned to Construction Contracts and is calculated based upon the relative availability of DBE firms as compared to all firms in the relevant geographic market area. **20.00%**
- **DBE Commitment** - Contract commitment divided by current contract value for Construction **\$261,207,536 (20.00%)**
- **Current DBE Commitment**- Actual commitments as Construction work is awarded **\$324,034,740 (24.81%)**
- **Current DBE Participation - Total amount** paid to date to DBEs divided by the amount paid to date to Prime (\$1,311,849,012) **\$373,384,958 (28.46%)**

Three hundred eighty-five (385) Construction subcontractors have been identified to-date

PROJECT LABOR AGREEMENTS (PLA)

Contract C0988 Crenshaw/LAX Transit Corridor Design-Build

(Reported Data as of September 2022)

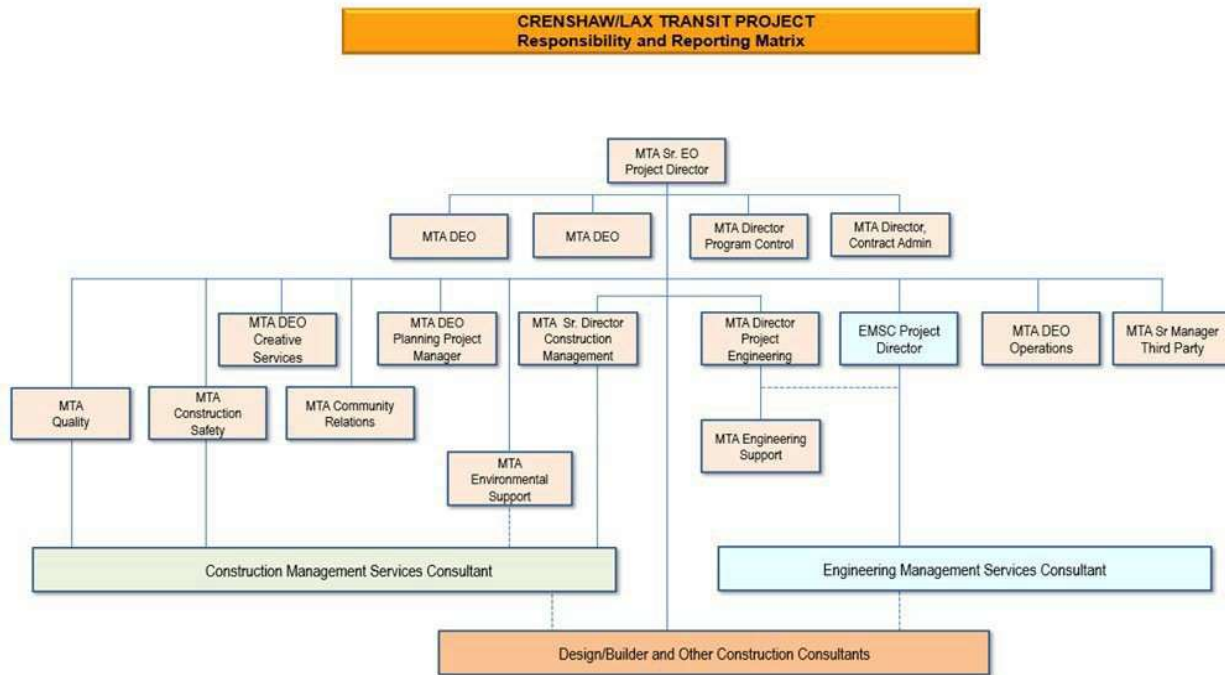
- **Targeted Worker Goal** – Construction work to be performed by residents from Economically Disadvantaged Areas of LA County **40.00%**
- **Targeted Worker Current Attainment** **59.24%**
- **Apprentice Worker Goal** – Construction work to be performed by Apprentices **20.00%**
- **Apprentice Worker Current Attainment** **23.47%**
- **Disadvantaged Worker Goal** – Construction work to be performed by Disadvantaged Workers whose primary place of residence is within LA County **10.00%**
- **Disadvantaged Worker Current Attainment** **10.23%**

FINANCIAL/GRANTS

CRENSHAW \$M									
OCTOBER 2022									
STATUS OF FUNDS BY SOURCE									
	(A)	(B)	(C)	(D)	(D/B)	(E)	(E/B)	(F)	(F/B)
SOURCE	ORIGINAL BUDGET	TOTAL FUNDS	TOTAL FUNDS	COMMITMENTS		EXPENDITURES		BILLED TO FUNDING SOURCE	
		ANTICIPATED	AVAILABLE	\$	%	\$	%	\$	%
FEDERAL - CMAQ	68.200	137.100	137.100	137.100	100%	137.100	100%	137.100	100%
FEDERAL - SECTION 5309 BUS CAPITAL	8.600	8.563	8.563	8.563	100%	8.563	100%	8.563	100%
FEDERAL - REGIONAL STP	20.000	103.307	103.307	103.307	100%	103.307	100%	103.307	100%
FEDERAL - ALTERNATIVE ANALYSIS	1.200	1.200	1.200	1.200	100%	1.200	100%	1.200	100%
FEDERAL - TIGER II	-	13.904	13.904	13.904	100%	13.904	100%	13.904	100%
STATE REGIONAL IMPROVEMENT PROG	36.522	36.600	36.600	36.600	100%	36.600	100%	36.600	100%
STATE PPM	0.178	0.179	0.179	0.178	100%	0.178	100%	0.179	100%
STATE PROP 1B PTMISEA	201.200	128.950	128.950	128.950	100%	128.950	100%	128.950	100%
STATE PROP 1 B LOCAL PARTNERSHIP PROGRA	-	49.529	49.529	49.529	100%	49.529	100%	49.529	100%
MEASURE R - TIFIA LOAN	545.900	545.900	545.900	545.900	100%	545.900	100%	545.900	100%
MEASURE R 35%	661.100	245.600	245.600	432.240	176%	432.240	176%	432.240	176%
CITY CONTRIBUTION	52.400	101.707	101.707	101.707	100%	97.922	96%	80.707	79%
GENERAL FUNDS		54.300	54.300	54.300	100%	54.300	100%	54.300	100%
MISC. REVENUE		1.700	1.700	1.700	100%	1.700	100%		0%
PROPOSITION C 25% HIGHWAY	148.900	454.562	454.562	454.562	100%	438.542	96%	430.983	95%
PROPOSITION C 40% DISCRETIONARY	-	0.000	0.000	-	-	-	0%	-	0%
PROPOSITION A 35% RAIL CAPITAL	4.800	209.700	209.700	13.723	7%	4.850	2%	4.850	2%
MEASURE M 35%		55.200	55.200	55.200	100%	55.200	100%	55.201	100%
TOTAL	1,749.000	2,148.000	2,148.000	2,138.663	100%	2,109.985	98%	2,083.511	97%
NOTES:									
1 EXPENDITURES ARE CUMULATIVE THROUGH OCTOBER 2022									
2 TOTAL NEW LOP APPROVED IN MAY 2020 IS \$2,148M.									
3 ORIGINAL BUDGET BASED ON BOARD APPROVED OCTOBER 2011 FUNDING/EXPENDITURE PLAN.									
4 BILLED AMOUNT TRANSFER FROM MR TO PA PENDING									

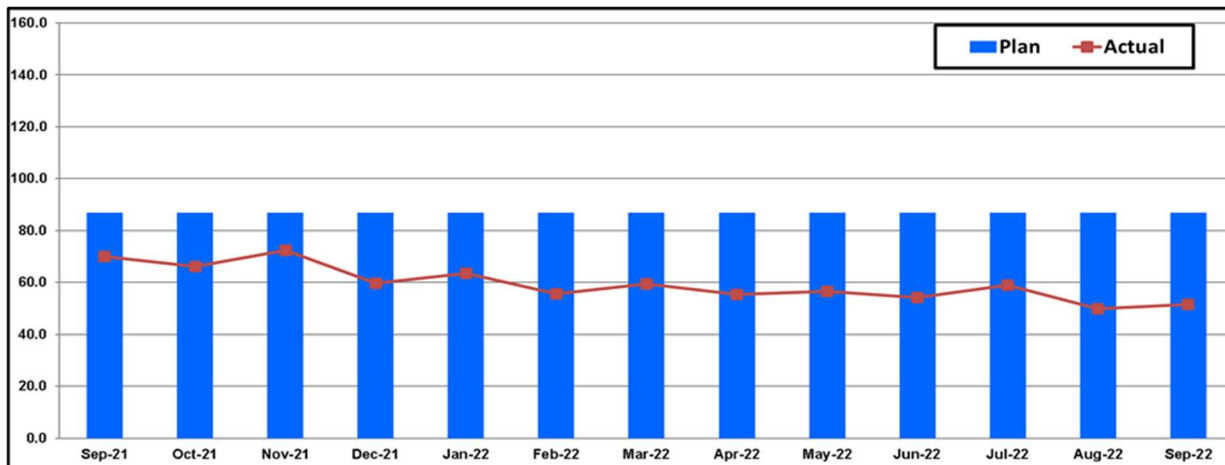
PROJECT ORGANIZATION AND STAFFING

The design-build contract is being managed by joint team of Metro and consultant personnel jointly located at the Integrated Project Management Office (IPMO).

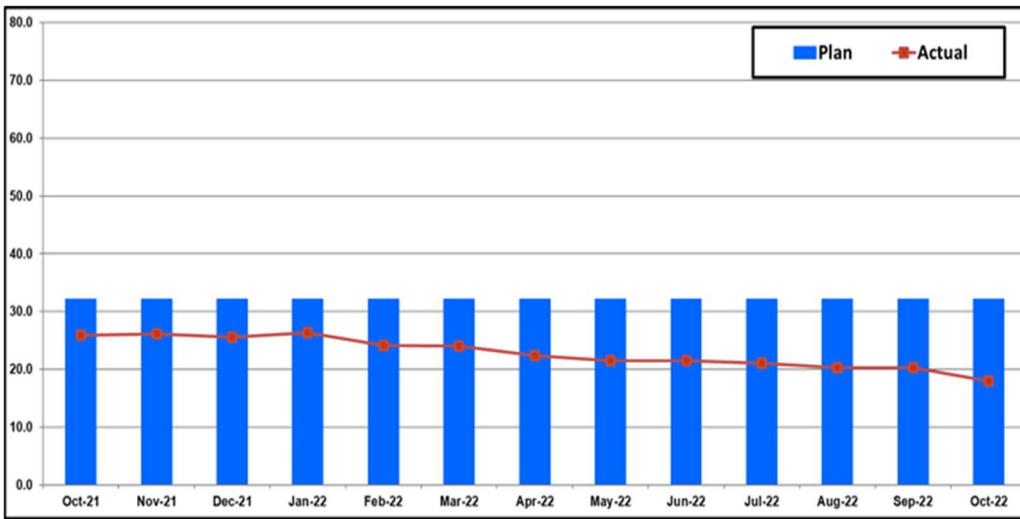


The project staffing charts have been updated with a revised FY23 staffing plan. The overall FY23 Total Project Staffing Plan averages 86.8 Full-Time Equivalent (FTEs) per month consisting of 32.1 for Metro Agency staff, 44.5 for Construction Management Support Services Consultant, and 10.2 for Design and Engineering Support Services Consulting staff.

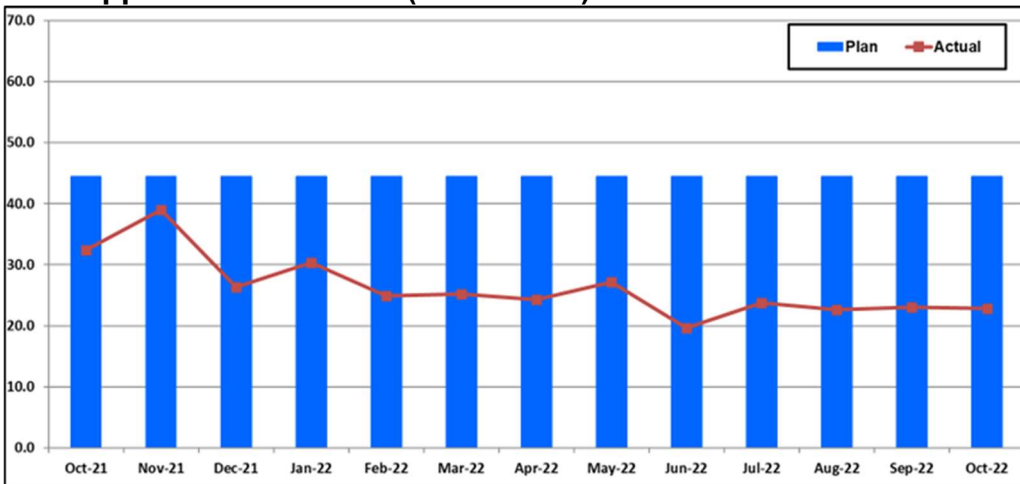
For October 2022, total project staffing were 47.7 FTEs for the month consisting of 18 FTEs for Metro’s project administration staff, 2.3 FTEs for Construction Management Support Services Consultant and 6.7 FTEs for Design and Engineering Support Services Consulting staff.



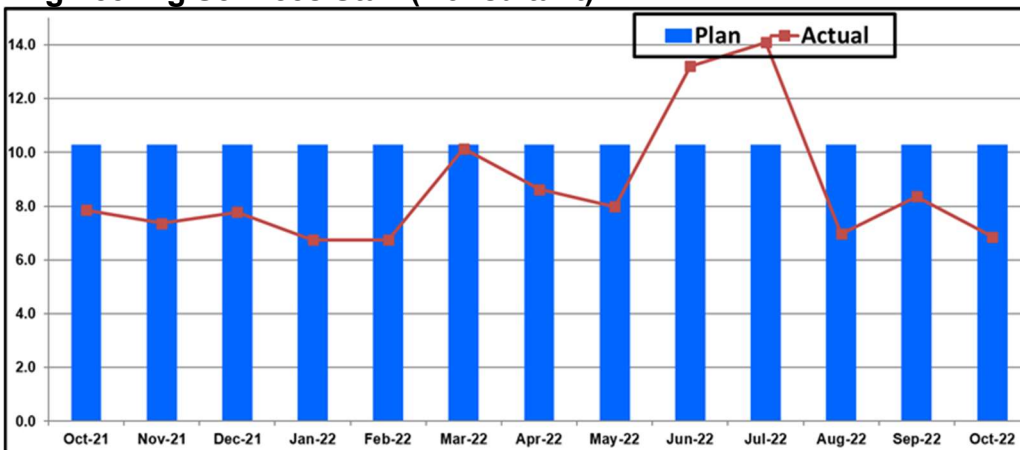
Metro Staff



CM Support Services Staff (Consultant)



Engineering Services Staff (Consultant)



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.

REAL ESTATE

- There is 1 active condemnation - have a settlement, working with legal on final agreement.
- There are 3 active relocation cases with final relocation claims pending - one relocation is final but pending payment

QUALITY ASSURANCE

- WSCC Quality issued zero (0) Nonconformance Report (NCR) during this period.
- Metro Quality issued zero (0) Nonconformance Report (NCR) to WSCC during this period.
- WSCC Quality continued project walks **If-Needed** & BIM 360 process with Metro during this month.
- No CWP review and Readiness Review meetings were conducted during this month.
- Metro Quality participated in Internal Project Review Weekly Meetings.

ENVIRONMENTAL

- Noise and vibration monitoring by WSCC were concluded in July 2021. There was no Metro noise and vibration spot checks during this period.
- Weekly SWPPP inspections of all project areas by WSCC ended in Aug 2022 and spot checks by Metro to observe site conditions and report on performance of stormwater protection Best Management Practices (BMPs) and overall housekeeping are on-going.
- There were no qualifying rain events during the reporting period.
- No fugitive dust complaints were received during the reporting period.
- EMS and Environmental Compliance Progress meetings were held during this reporting period on 10/20/2022.
- The Notice of Termination of the SWPPP was approved by the Waterboard as of 9/26/2022.
- The Project team is working closely with WSCC and LA Sanitation to close out the construction industrial wastewater (IWW) permits and prepare for permanent IWW Permits. LA Sanitation inspected the CLAX Project's IWW hookups on August 17th. Final permits were approved by LA Sanitation effective 07/01/2022.

CONSTRUCTION/COMMUNITY RELATIONS

- Ongoing outreach to stakeholders about the construction of foundation gates, construction of future Fairview Heights Station additional parking lot, and other Punch Out Work construction activity.
- Ongoing management of inquiries received on Project email and hot line.
- Assist in preparation for K Line Post-Construction Survey.
- Continued collaboration with Operations Team to prepare for stakeholder outreach to inform of K Line Operations Plan options.
- Key stakeholder outreach and briefings for the K Line Operational Plan options.

CREATIVE SERVICES

- Led Art and Signage-related coordination with Catch-All Contractor.
- Reviewed and responded to Art program and Signage close out submittals.
- Interim and permanent service plan wayfinding signage coordination.
- Led Metro Art participation in K Line opening events.
- Developed artwork related public communications materials.
- Ongoing Punch-Out Contract signage & customer information coordination.
- Ongoing QA/QC of station signage elements.

SAFETY and SECURITY

- WSCC did not conduct or participate in weekly safety walks as no monthly safety walks were conducted in October.
- Participated in the 10:00 am Monday and Wednesday Internal Project Review conference call.
- The owners weekly 9:00 am Tuesday scheduled progress meetings have been canceled.
- Participated in the weekly scheduled 7:00 am Wednesday corporate safety conference call to update the safety team on safety issues and current jobsite concerns.
- Monitored underground stations and alignment along the “K” line.
- Total Days Away (DART) Injury Rate: Eight (8) Days Away from Work (DART) Injuries is 0.14. The National Ave is 1.3.
- Project to Date – Total Days Away Rate (561 Days Away from Work) is 12.2. (No National Published Rate).
- Metro Safety participated in the C/LAX Crenshaw TRC Abatement & Demo weekly progress updates meeting on 10/13/2022, 10/20/2022, 10/27/2022.
- Contract C0988 (WSCC) completed 1667.00 work hours with (0) recordable/Days Away from Work injury for the month of October 2022. Total Project to Date work hours is 11,431,058.92 with a total of one hundred and two (102) recordable incidents. The Project Recordable Rate is 1.78
- The Bureau of Labor Statistics (BLS) average recordable rate per 200,000 work hours is 2.4

Contract C1217 Status

Crenshaw/LAX - Construction Punch Out Work



<p>Design Consultant: Mott McDonald</p> <p>CM Consultant: Stantec</p> <p>Contractor: Griffith Company</p>	<p>Contract No.: C1217</p> <p>Status as of October 2022</p>	
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<p>Progress/Work Completed:</p> <ul style="list-style-type: none"> - Notice of Award (NOA) issued on 8/8/22 and NTP on 8/25/22. - Preconstruction meeting was held on 8/24/22 - Work needed in support of K-Line opening was completed by 10/1/22 including, tree trimming, signs, radio fiber, water line on Florence, etc. 	<p>Areas of Concern and Opportunities:</p> <ul style="list-style-type: none"> - Completion of items listed under milestone 1 prior to CLAX Revenue Service are critical. Few items were not completed but did not affect K-Line opening and being considered as part of a potential administrative Milestone 1A.
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<p>Schedule Assessment:</p> <p>SCHEDULE INTEGRATION SYSTEM, Bar Graph Schedule (SECTION 01 29 78)</p> <ul style="list-style-type: none"> - Contract requires a schedule baseline to be submitted for Metro approval within 14 days after NTP. <ul style="list-style-type: none"> o Baseline schedule is approved o Contractor is working on schedule update and narrative as of 10/29/22 	<p>Cost Assessment:</p> <ul style="list-style-type: none"> - Contract to Griffith Company was awarded for \$6,777,065 million. - Schedule of Values (SECTION 01 29 73) Revision 3 was submitted on 10/27/22 and is under review by Metro.
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Schedule Summary:	Dates/Calendar Days	Cost Summary:	\$ in millions
1. Date Award:	August 8, 2022	1. Award Value:	\$ 6,777,065
2. Notice to Proceed:	August 25, 2022	2. Executed Modifications:	\$ 0
3. Original Substantial Completion Duration:	600 CD	3. Approved Change Orders:	\$ 0
4. Current Substantial Completion Duration:	600 CD	4. Current Contract Value (1+2+3):	\$ 6,777,065
5. Elapsed Time from NTP:	0 CD	5. Incurred Cost (Thru October 2022):	\$ 0
6. Elapsed Time Percentage:	0%	6. Total Dollars paid Percentage:	0%

<p>Contract Milestones:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Milestone</th> <th style="text-align: center;">Original Contract</th> <th style="text-align: center;">Current Contract</th> <th style="text-align: center;">Forecast</th> <th style="text-align: center;">Variance Calendar Days</th> </tr> </thead> <tbody> <tr> <td>MS#1, Key items, Fire Hydrant, Left Turn gate, radio Fiber, Map Cases, Signs, Palm Trim</td> <td style="text-align: center;">10/1/22</td> <td style="text-align: center;">10/1/22</td> <td style="text-align: center;">10/1/22</td> <td style="text-align: center;">0</td> </tr> <tr> <td>MS#2, Install 24-inch waterline at Crenshaw / MLK</td> <td style="text-align: center;">6/1/23</td> <td style="text-align: center;">6/1/23</td> <td style="text-align: center;">6/1/23</td> <td style="text-align: center;">0</td> </tr> <tr> <td>MS#3, Substantial Completion</td> <td style="text-align: center;">NTP+ 600CD</td> <td style="text-align: center;">4/16/24</td> <td style="text-align: center;">4/16/24</td> <td style="text-align: center;">0</td> </tr> </tbody> </table>	Milestone	Original Contract	Current Contract	Forecast	Variance Calendar Days	MS#1, Key items, Fire Hydrant, Left Turn gate, radio Fiber, Map Cases, Signs, Palm Trim	10/1/22	10/1/22	10/1/22	0	MS#2, Install 24-inch waterline at Crenshaw / MLK	6/1/23	6/1/23	6/1/23	0	MS#3, Substantial Completion	NTP+ 600CD	4/16/24	4/16/24	0	<p>Construction Physical percentage complete:</p> <ul style="list-style-type: none"> - Separate cash flow and contingency draw down curves will be developed and included later.
Milestone	Original Contract	Current Contract	Forecast	Variance Calendar Days																	
MS#1, Key items, Fire Hydrant, Left Turn gate, radio Fiber, Map Cases, Signs, Palm Trim	10/1/22	10/1/22	10/1/22	0																	
MS#2, Install 24-inch waterline at Crenshaw / MLK	6/1/23	6/1/23	6/1/23	0																	
MS#3, Substantial Completion	NTP+ 600CD	4/16/24	4/16/24	0																	

Contract C1221 Status
Crenshaw/LAX – K-Line Paving and Improvements

<p>Design Consultant: Mott McDonald</p> <p>CM Consultant: Stantec</p> <p>Contractor: TBD</p>	<p>Contract No.: C1221</p> <p>Status as of October 2022</p>																													
<p>Progress/Work Completed:</p> <ul style="list-style-type: none"> - Scope of work is being finalized. - Tentative estimated dates are: <ul style="list-style-type: none"> o Advertisement in June 2023. o NTP in November 2023 o Substantial Completion TBD 	<p>Areas of Concern and Opportunities:</p> <ul style="list-style-type: none"> - Scope is being developed and could have cost and schedule affect. 																													
<p>Schedule Assessment:</p> <p>SCHEDULE INTEGRATION SYSTEM, Bar Graph Schedule (SECTION 01 29 78)</p> <ul style="list-style-type: none"> - Contract requires a schedule baseline to be submitted for Metro approval within 14 days after NTP. - 	<p>Cost Assessment:</p> <ul style="list-style-type: none"> - Budget is estimated between \$5 to \$6 million. 																													
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CHRONOLOGY OF EVENTS

November 2011	Board approved the Life-of-Project Budget of \$1.749 billion.
December 30, 2011	Received Record of Decision from FTA.
March 12, 2012	Received Statement of Qualifications for Contract C0988 C/LAX Transit Corridor.
May 30, 2012	Awarded Contract No. C0990 C/LAX Advanced Utility Relocations to Metro Builders and Engineers Group LTD.
May 23, 2013	Board amended the Agency's FY14 Proposed Budget to include funding of \$80 million for an underground station at Leimert Park Village as part of the baseline project.
June 27, 2013	The Board awarded Contract C0988 Crenshaw/LAX Transit Corridor to Walsh-Shea Corridor Constructors
September 10, 2013	Issued Notice to Proceed to Walsh-Shea Corridor Constructors, Contract C0988 Crenshaw/LAX Transit Project.
December 5, 2013	The Board approved Memorandum of Understanding with the Los Angeles World Airports for a parallel design and possible construction modifications near Aviation/ Century Station to accommodate elements of LAWA's SPAS.
December 5, 2013	The Board awarded Contract C0992 with Rocla Concrete Tie, Inc, for the procurement of concrete ties and assembly items.
January 21, 2014	A Groundbreaking Ceremony was held at the Crenshaw/Exposition Station.
January 23, 2014	The Board awarded Contract C0992A Rail and Bumping Posts to LB Foster Rail Technologies Corp.
August 21, 2014	Substantial Completion issued for Advanced Utility Relocations Contract C0990.
May 28, 2015	The Board awarded Contract C0991 Division 16: Southwestern Yard to Hensel Phelps/Herzog JV. Also increased by \$22.0 million the Life of Project Budget for the Southwestern Yard Project to a new amount of \$307.2 million.
May 28, 2015	The Board approved Design Option 3 for the track alignment to accommodate the future Metro Connector Transit Station (96 th St. Station).

CHRONOLOGY OF EVENTS (continued)

June 29, 2015	Issued Notice to Proceed to Hensel Phelps/Herzog JV, Contract C0991 Division 16: Southwestern Yard
April 27, 2016	The Tunnel Boring Machine was launched and drilling from north to south of the alignment started.
May 7, 2016	Held Halfway There Community Celebration at Leimert Park marking the halfway point of the project.
May 27, 2016	Held Groundbreaking Ceremony for the Southwestern Yard (Division 16).
April 6, 2017	The northbound tunnel boring machine completed mining with the hole thru at Leimert Park Station.
June 15, 2018	Restoration of the road over the three underground stations along Crenshaw Blvd. commenced at Leimert Park Station area and the at-grade transition section.
January 30, 2019	Substantial completion achieved by the Southwestern Yard (Division 16) Contract C0991 Contractor, Hensel/Phelps/Herzog JV.
May 28, 2020	The Board amended the Life-of-Project budget by \$90 million for a new total of \$2,148 million. The Project Schedule was revised to reflect a 2021 revenue service date.
March 12, 2022	Partial substantial completion for Segments A and B was issued to the Crenshaw/LAX Transit Project Contract C0988 Contractor, Walsh-Shea Corridor Constructors.
March 30, 2022	Held closing event and celebrated the success of Business Solution Center, and Business Interruption Fund programs.
April 14, 2022	Held bid opening for Crenshaw Construction Punch Out Work Contract C1217.
June 13, 2022	All Emergency Drills are complete.
June 17, 2022	Substantial Completion issued Walsh-Shea Corridor Constructors, Contract C0988 Crenshaw/LAX Transit Project.
June 22, 2022	Held City Partners and Third-Party Collaborators VIP Event at Expo/Crenshaw Station.
June 25, 2022	Held Station Dedication at Leimert Park Station.

CHRONOLOGY OF EVENTS (continued)

June 30, 2022	Held bid opening for “re-bid” of Crenshaw Construction Punch Out Work Contract C1217
July 8, 2022	The Project (K Line) website https://kline.metro.net is live and available to the public
July 23, 2022	Held Station Dedication at Martin Luther King Station.
July 25, 2022	Started initial Pre-Revenue simulation.
August 6, 2022	Held Station Dedication at Hyde Park Station.
August 8, 2022	Award Contract C1217 Crenshaw Construction Punch Out Work to Griffith Company.
August 17, 2022	Los Angeles Sanitation inspected the Project’s Industrial Wastewater hookups.
August 20, 2022	Held Station Dedication at Fair View Heights Station.
August 22, 2022	Started full Pre-Revenue simulation.
August 25, 2022	Notice of Termination of the SWPPP submitted and certified by the Legally Responsible Person (LRP).
August 25, 2022	Notice of Proceed issued to Griffith Company for contract C1217 CLAX – Construction Punch-Out Work.
September 13, 2022	Metro Submitted Safety/Security Certification Verification Report (SCVR) to California Public Utility Commission (CPUC) and Metro CEO announced the Opening of the K-Line on 10/7/22.
September 17, 2022	Held Station Dedication at Westchester/Veterans Station
September 28, 2022	California Public Utility Commission (CPUC) approved CLAX Safety/Security Certification Verification Report (SCVR)
October 07, 2022	K-Line (Crenshaw/LAX) grand opening ceremony and system was opened to public for service.