

Program Management

Quarterly Major Project Status Report



Julie Owen

Senior Executive Officer, Project Management Oversight



Measure M Committee

June 2023

Gold Line Foothill Extension Phase 2B

BUDGET			
	Approved LOP*	Previous Period	Current Forecast
	\$1,532.8 B	1,532.8 B	\$1,532.8 B
	Variance from Approved LOP:	\$0M (0%)	\$0M (0%) 
	Variance from Revised Budget:		\$0 

* At time of the award of contract – Board Approval (June 2017)

SCHEDULE	Substantial Completion		
	Original	Approved Rebaseline	Current Forecast*
	January 2025	N/A	January 2025
	Variance from Original:	+0d (0%)	-2d (-.10%) 
	Variance from Revised Schedule:		TBD 

* Current Forecast is Contractor's January 2023 Schedule Update.



Gold Line Foothill Extension Phase 2B

Safety

- Project Hours: 1,076,685 Recordable Injury Rate: .37 vs. the National Average: 2.4.

Updates (Metro Gold Line Foothill Extension Authority)

- **Overall Project Progress is 67.5% complete.**
Completed construction of Route 66, 210, and 57 freeway pier protection. Construction continues throughout the alignment on light rail tracks, OCS installation, LRT Train control installation, MSE retaining walls, sound wall fencing, and stations.
- The Contractor Kiewit Parsons Joint Venture (KPJV) completed work at 29 of 37 grade crossings Glendora to Pomona, finished the freight track relocation and completed the structure work on all 4 LRT bridges.
Four new light rail stations are under construction.
CPUC has approved all 49 grade crossings to date.
 - *Grade Crossings approval to Montclair finalized October 2020*
- **Construction Continues as follows:**
 - Glendora, San Dimas, La Verne, and Pomona Stations.
 - Foothill/Grand Ave and Lone Hill LRT Bridges direct track fixations
 - MSE retaining walls throughout the project
 - Light rail shoulder ballast distribution and alignment track
 - LRT train control installation
- The design of the 9-mile, 4 Station extension is progressing.



Equity

- 100% of the project is located within or adjacent to Equity Focus Communities.

Bonita / Cataract – Structure Track Direct fixation





Westside Purple Line Extension – Section 3

BUDGET				
	FFGA	Approved LOP*	Previous Period**	Current Forecast**
	\$3,599 M	\$3,224 M	\$3,224 M	\$3,274 M
	Variance from Approved LOP:		\$0M (0%)	+\$50M (1.6%) 
Variance from Revised Budget:			\$0 	

* At time of the award of contract – Board Approval February 2019

** Excludes finance costs. Current Forecast +\$50M LOP (Non-FFGA) primarily for VA Parking Structure and addition of hi-rail vehicle storage in the tail track area.

SCHEDULE			Revenue Operation	
	Original	Approved Rebaseline	Previous Period	Current Forecast*
	March 2027	N/A	Spring 2027	Fall 2027
	Variance from Original:		+0d (0%)	+181d (5.4%) 
Variance from Revised Schedule:			TBD 	

* Contract schedule is forecasting a slippage to the contractual milestones.

The project team is identifying opportunities to mitigate and is monitoring potential impacts. Staff will provide periodic updates to the Board.



Westside Purple Line Extension – Section 3

Safety

Project Hours: 2,434,247; Recordable Injury Rate: 1.56 vs. The National Average: 2.4.

- C1151: Project Hours: 1,310,241; Recordable Injury Rate: 2.90.
- C1152: Project Hours: 1,124,006.; Recordable Injury Rate: 0.0.
- Updates

▪ Overall Project Progress is 46% complete.

▪ Final design progress is 97% complete.

▪ Tunneling

• Both Tunnel Boring Machines (TBMs) continue mining towards Constellation Station east of Century Park West towards the Westfield Mall. Progress as of March 3, 2023, is as follows:

- Iris “BR TBM” (westbound subway tunnel) – Reach 6: 8,729 ft. (91%), overall: 12,707 ft. (94%).
- Aura “BL TBM” (eastbound subway tunnel) – Reach 6: 8,578 ft. (89%), overall: 12,540 ft. (92%).

▪ Westwood/UCLA Station

• Excavation is approximately 16% complete and continues. At the main station entrance and station box, lookouts are being installed in preparation for Level 2 struts.

▪ Westwood/VA Station

- Excavation is approximately 17% complete and continues. Installation of struts continues. At Level 1, 53% of the struts are installed. At Level 2, 23% of the struts are installed.
- The VA steam tunnel relocation work continues; Mechanical, Electrical, and Plumbing fit-out inside the steam tunnel (75% complete).
- Backfilling around the steam tunnel vaults remains at 90%.

Equity

▪ 1 of 2 stations (50%) are within or adjacent to Equity Focus Communities.



Westwood/UCLA Station: Excavation underneath Wilshire Blvd





Westwood/VA Station: Excavating station for Level 2 Bracing





April 2023 Construction Committee

Airport Metro Connector (AMC) Project

BUDGET				
		Approved LOP*	Previous Period	Current Forecast
		\$898.6M	\$898.6M	\$898.6M
	Variance from Approved LOP:		\$0M (0%)	\$0M (0%) 
Variance from Revised Budget:			\$0 	

* Approved April 2021 Board

SCHEDULE			Revenue Operation	
	Original	Approved Rebaseline	Previous Period	Current Forecast*
	N/A	N/A	Fall 2024	Fall 2024
	Variance from Original:		+0d (0%)	+0d (0%) 
Variance from Revised Schedule:			N/A 	

* Current Forecast is Metro's August 2022 Schedule Update



Airport Metro Connector (AMC) Project

Safety

Project Hours: 280,039; Recordable Injury Rate: 2.14 vs. The National Average: 2.4.

Updates

- **Overall project progress is 55% complete.**
- Primary Station Construction at 38% completion
 - Steel structure and metal decking at the Rail Platform is complete with steel work now focused on the main hub and bike hub areas.
 - Rail platform work continues with concrete and utility installations.
 - Light gauge roof framing has begun over the Rail Platform area.
 - LADWP underground infrastructure on Aviation Blvd related to AMC has begun.



Equity

- 100% of the project is located within or adjacent to Equity Focus Communities.





April 2023 Construction Committee

I-5 North County Enhancements

BUDGET				
		Approved LOP*	Previous Period	Current Forecast
		\$679.3M	\$679.3M	\$679.3M
	Variance from Approved LOP:		\$0M (0%)	\$0M (0%) 
	Variance from Revised Budget:			\$0 

* At time of the award of contract - Board Approval (March 2021)

SCHEDULE			Substantial Completion	
	Original	Approved Rebaseline	Previous Period	Current Forecast**
	July 2016	N/A	Summer 2026	Summer 2026
	Variance from Original:		+0d (0%)	+0d (0%) 
	Variance from Revised Schedule:			N/A 

** The Contractor's last Update shows minor slippage, but Metro has not accepted the Critical Path and expects this slippage to be corrected



I-5 North County Enhancements

Safety

Project Hours: 226,353; Recordable Injury Rate: 1.76
vs. The National Average: 2.4.

Updates

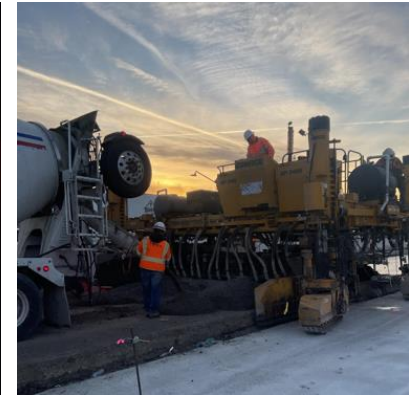
- **Overall Project progress is 22% complete.**
- Construction Stage 1, Phase 1 & 2:
 - Partial Demolition/Pile Driving/Footing and Abutment/Bent Construction on several bridges.
 - Retaining Walls, Drainage, Barrier/Roadway Demo, Excavation, and Base Placement.
- Project Team continues to coordinate with stakeholders: Caltrans, Federal Highway Administration (FHWA), City of Santa Clarita, Los Angeles County, CHP, NPS, CDFW, and other local stakeholders.

Equity

- This project is not located within or adjacent to Equity Focus Communities.



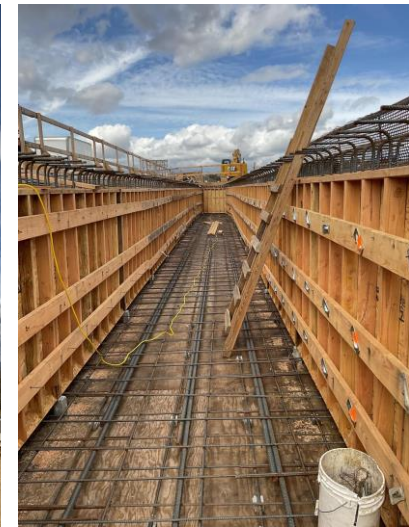
Rain and snow conditions caused closures north and south of project



Paving Lean Concrete Base (LCB) in the Median On-Going



Structural Excavation for RW-2708



Carpentry work at Butte Canyon Bridge






April 2023 Construction Committee



Projects without Life of Project (LOP) Budget

- **105 Express Lanes**
- **G Line BRT Improvements Project**
- **East San Fernando Valley Transit Corridor**



105 Express Lanes

BUDGET	Approved Budget to Date			Previous Period	Current Forecast
	Pre-Construction	\$119.4 M		N/A	\$119.4m
	Project	\$119.4 M		N/A	\$780M - \$1B
	Variance from Approved Pre-Construction Budget:			\$0M (0%)	\$0M (0%) 
	Variance from Approved LOP:			\$0M (0%)	\$0M (0%) 
	Variance from Revised Budget:				N/A 

SCHEDULE			Revenue Operation	
	Original	Approved Rebaseline	Previous Period	Current Forecast
	N/A	N/A	N/A	Spring 2028
	Variance from Original:		+0d (0%)	+0d (0%) 
	Variance from Revised Schedule:		N/A	N/A 



105 Express Lanes

Safety

Project Construction Hours: 0; Recordable Injury Rate:
N/A vs. The National Average: 2.4.

Updates

- **Design Seg 1 is 95%, Seg 2/3 35% complete.**
- **Progress:**
 - Dominquez Channel existing highway easement and construction permit will be on LA County May '23 Board Meeting
 - Opinion of Probable Cost (OPCC) and Independent Cost Estimate (ICE) was submitted on Seg. 1.
 - ROM for Seg 2/3 has been received from CMGC contractor.
 - Seg. 1 100% design submittal scheduled for April 2023.
 - Workshops between 105 CMGC and WSAB team for construction and schedule coordination are ongoing.
 - Workshops between 105 CMGC and Metro MOW groups to discuss median construction work are ongoing.
 - Draft SB 1 funding allocation request was submitted to Caltrans
 - Staff updating the Traffic and Revenue Study.



Traffic on 105 Freeway Westbound



The Project Map




Equity

- 70% of the project is within or adjacent to Equity Focus Communities.





April 2023 Construction Committee

G Line BRT Improvements Project

BUDGET	Approved Budget to Date			Previous Period	Current Forecast
	Pre-Construction	\$149.7M	\$149.7M	\$149.7M	\$149.7M
	Project	\$149.7M	N/A	\$392-511M	
	Variance from Approved Pre-Construction Budget:			\$0M (0%)	\$0M (0%) 
	Variance from Approved LOP:			\$0M (0%)	\$0M (0%) 
	Variance from Revised Budget:				\$0M 

* Project will work within the annual budget constraints until LOP is established.

SCHEDULE			Revenue Operation	
	Original	Approved Rebaseline	Previous Period	Current Forecast*
	N/A	N/A	N/A	December 2026
	Variance from Original:		+0d (0%)	+0d (0%) 
Variance from Revised Schedule:			N/A 	

* Current Forecast is Metro's Internal Schedule, Baseline schedule is not yet approved at time of update.

** Approved LOP only includes the Pre-Construction Budget. The project will request the remaining LOP budget upon award of the PDB Contract Phase 2.



G Line BRT Improvements Project

Safety

Project Construction Hours: 0; Recordable Injury Rate:
N/A vs. The National Average: 2.4.

Updates

- **Progressive Design Build Contract**
 - 30% design underway for stormwater capture, grade separations and bike path improvements key elements
 - Technology Evaluation for gated intersections complete and proceeding into Proof of Concept phase with recommended cloud tech solution for gate activation
 - Geotech Investigations and Survey underway
- **Utility Owner-performed AURs**
 - Sepulveda – removal of poles and overhead wires pending PDB contractor installation of new power service.
 - Vesper – DWP crews completed cable pulling in August, Charter construction start pending City permit approval.
 - Sylmar – DWP undergrounding near completion. Charter planning to vacate line.
- **Property Acquisitions**
 - Eight acquisitions underway
 - Offers presented to owners between March 31, 2022, and May 24, 2022.
 - Board adopted the Resolution of Necessity for all properties in August 2022.

Equity




- 11 of 17 stations (65%) are within or adjacent to Equity Focus Communities.





Geotech- percolation testing for stormwater capture scope



East San Fernando Valley Transit Corridor

BUDGET	Approved Budget to Date			Previous Period	Current Forecast*
	Pre-Construction	\$496.9M		N/A	\$496.9M
	Proposed FFGA			N/A	\$2.8B - \$3.57B
	Variance from Approved Pre-Construction Budget:			\$0M (0%)	\$0M (0%) 
	Variance from Approved LOP:			\$0M (0%)	\$0M (0%) 
	Variance from Revised Budget:				\$0M 

* Current cost forecast reflects 2023 Annual Program Evaluation. As PDB work progresses, final forecast will be confirmed.

SCHEDULE			Revenue Operation	
	Original	Approved Rebaseline	Previous Period	Current Forecast*
	N/A	N/A	N/A	2030
	Variance from Original:		+0d (0%)	+0d (0%) 
	Variance from Revised Schedule:			N/A 

* Current schedule forecast reflects Metro's Draft Baseline Schedule. Approval is pending.



East San Fernando Valley Transit Corridor

Safety

Project Hours*: 0; Recordable Injury Rate: N/A vs. The National Average: 2.4. *AUA inaugurals on February 16, 2023.

Updates

- **Design is 30% complete for systems, stations, MSF and utilities.**
- **Design is 60% complete for guideway and civil.**
- **Construction Management Support Services Contract**
 - Notice to Proceed (NTP) given to Arcadis / Mott MacDonald (AMM) Joint Venture November 4, 2022.
- **Maintenance and Storage Facility (Solar Energy & Storage)**
 - NTP on December 7, 2022 to PCS Energy LLC for the Public-private partnership (P3) Contract.
 - Maximum duration of 15 years, with three phases of work.
- **Advance Utility Adjustment (AUA) Contract DWP Design 1**
 - NTP on December 1, 2022 to W.A. Rasic Construction Company, Inc.
 - Field investigation work began February 16, 2023
- **Progressive Design Build Contract**
 - Progressive Design Build (PDB) Contract proposals received November 2022
 - Notice of Award was sent February 23, 2023
 - NTP on April 14, 2023
- **Property Appraisals underway**
 - Appraisal contracts awarded on August 11, 2022.
 - NTP in December 2022 to two real estate property appraisal firms, and three fixtures appraisal firms.
 - Appraisals commenced in January/February 2023.
 - Acquisition anticipates to commence in July/August 2023.

Equity

- 100% of the project is within or adjacent to Equity Focus Communities.



W.A. Rasic crew saw cutting pavement on Van Nuys Blvd. near Hartland St.



W.A. Rasic crew performing potholing on Van Nuys Blvd.



April 2023 Construction Committee