

Transit & Highway (Capital) Update

Measure M Oversight Committee

March 2025

Jay Yoon

EO, Program Control

Transit / Highway Engineering and Construction

Construction Projects

- LAX/Metro Transit Center
- Gold Line Foothill Extension Phase 2B – Pomona
- Westside Purple Line – Section 3
- G Line BRT Improvements Project
- I-5 North County Enhancements
- 105 Express Lanes

Alternative Delivery Projects – Phase 1

- North Hollywood to Pasadena BRT Project
- East San Fernando Valley Transit Corridor
- Southeast Gateway Line

Operational Projects

- North San Fernando Transit Corridor Project



LAX/Metro Transit Center (AMC)

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

* Approved April 2021 Board

SCHEDULE			Revenue Operation	
	Original	Approved Rebaseline	Previous Period	Current Forecast**
	Fall 2024	N/A	Fall 2024	Early 2025***
	Variance from Original:		+0d (0%)	+45d (1.5%) OK
	Variance from Revised Schedule:			N/A OK

** Current Forecast is based on November 2024 Schedule Update

*** Pre-revenue train testing has begun in November 2024, and system integration testing ongoing.



LAX/Metro Transit Center (AMC)

Safety

Project Hours: 1,425,122 (purely construction hours);
Recordable Injury Rate: 1.26 vs. The National Average: 2.4.

Updates

Overall project progress is 96.3% complete

Primary Station Construction at 95.4% completion

- LADWP has provided permanent power to the AMC station.
- K-Line service is operating end-to-end and running through the AMC station.
- Station-wide buildout is progressing at the LRT, Metro Hub, Bike Hub, and Bus Plaza, both interior and exterior.
- Mechanical, electrical, and low voltage installation and testing
- Vertical circulation systems are making progress. Finalizing installation and preparing for state inspections
- Site-wide civil improvements progressing including: landscape & irrigation systems, directional pavers, bollard installation, architectural concrete hardscape, perimeter fence foundations along Arbor Vitae, Photovoltaic (PV) foundations, and shared-use-path sidewalk and landscaping on Aviation Blvd (B-Permit).

Equity

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

Main Hub



Bike Hub





Site Work



February 2025 Construction Committee



Los Angeles County Metropolitan Transportation Authority

Gold Line Foothill Extension Phase 2B

BUDGET				
		Approved LOP*	Previous Period	Current Forecast**
		\$1,533M	\$1,533M	\$1,533M
	Variance from Approved LOP:		\$0M (0%)	\$0 (0%) 
	Variance from Revised Budget:			\$0 (0%) 

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

**Current Forecast does not include funding received from CALSTA SB125

SCHEDULE			Revenue Operation	
	Original *	Approved Rebaseline	Previous Period	Current Forecast**
	January 2025	N/A	Summer 2025	Summer 2025
	Variance from Original:		0d (0%)	0d (0%) 
	Variance from Revised Schedule:		n/a	n/a 

* The Original date reflects the Authority's Substantial Completion date

** Current Forecast is from the Authority's October 2024 Schedule Update. Authority forecasts Substantial Completion at January 2025, and assumes Revenue Operation will follow 6 months later for the first segment to Pomona.



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Los Angeles County Metropolitan Transportation Authority



On target



Possible problem
(5-10% variance)



Significant Impact
(over 10% variance)

Gold Line Foothill Extension Phase 2B

Safety

- Project Hours: 2,353,825 (as of October 2024)
- Recordable Injury Rate: 0.25 vs. the National Average: 2.4.

Updates

- **Overall Project Progress is 93% complete**

Construction will continue as follows:

- Sound wall and fencing throughout the project
- Storm Drain inlets and walkway gutter nearing completion
- 4 new stations: Glendora, San Dimas, La Verne, and Pomona
- LRT train control, Overhead Catenary System (OCS) poles and wire installation
- Continue local field acceptance testing for traction power substations (TPSSs)
- Systems integration testing continues
- Begin nighttime active train testing
- Begin preliminary punch list walk with Cities
- Station Parking Lot hardscape work in progress.
- Conducted tour with Gold Line Authority elected officials.

Equity

- 25% of the project is located within or adjacent to Equity-Focus Communities.



Palomares to Pomona - LRV Live Wire Testing



San Dimas – LRV Pull away test





Westside Purple Line Extension – Section 3

BUDGET				
	FFGA	Approved LOP*	Previous Period**	Current Forecast**
	\$3,599 M	\$3,224 M	\$3,277 M	\$3,277 M
	Variance from Approved LOP:		+\$53M (1.6%)	+\$53M (1.6%) 
	Variance from Revised Budget:			\$0 

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

** Excludes finance costs. In June 2023, the Board approved \$53M LOP increase for Concurrent Non-Full Funding Grant Agreement (Non-FFGA) activities.

SCHEDULE			Revenue Operation	
	Original	Approved Rebaseline	Previous Period	Current Forecast*
	March 2027	Summer 2027	Summer 2027	Summer 2027
	Variance from Original:		+131d (3.91%)	+131d (3.91%) 
	Variance from Revised Schedule:			+0d (0%) 

* Based upon agreed acceleration modification.



Westside Purple Line Extension – Section 3

Safety

Project Hours: 3,699,055 Recordable Injury Rate: 1.46 vs. The National Average: 2.4.

- C1151: Project Hours: 1,817,492; Recordable Injury Rate: 2.42.
- C1152: Project Hours: 1,881,563; Recordable Injury Rate: 0.64.

Updates

- **Overall Project Progress is 57% complete.**
- **Final design progress is 97% complete.**
- **Westwood/UCLA Station**
 - Main station box invert concrete placement was completed.
 - Secondary invert, interior wall and exterior wall concrete placement has begun and is on going.
- **Westwood/VA Hospital Station**
 - Main station box excavation was completed.
 - Station invert concrete placement ongoing (81% complete).
 - The water line connection on Wilshire is 91% complete.
- **Tunnels**
 - Cross passage work in the tunnels continues.
 - Excavation for eight of fourteen cross passages are complete.
- **Equity**
 - 1 of 2 stations (50%) are within or adjacent to Equity Focus Communities.





Westwood/UCLA Station:
Secondary Invert Concrete Pour (East End)





Westwood/VA Hospital Station:
Completed Invert Concrete Pours (Looking West)



G Line BRT Improvements

BUDGET				
		Approved LOP	Previous Period	Current Forecast
	Project	\$668.45M	\$668.45M	\$668.45M
	Variance from Approved LOP:		\$0M (0%)	\$0M (0%) 
	Variance from Revised Budget:			\$0M 

SCHEDULE			Revenue Operation	
	Original	Approved Rebaseline	Previous Period	Current Forecast
	Winter 2027	N/A	Winter 2027	Winter 2027
	Variance from Original:		+0d (0%)	+0d (0%) 
	Variance from Revised Schedule:			N/A 



G Line BRT Improvements

Safety

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

Updates

- **Progressive Design Build Contract**
 - The Life of Project (LOP) budget was approved at the September 2024 Board meeting.
 - EWP 4 for the construction of Grade Separations, Station and Bike Path Improvements was executed December 2024.
 - Construction start is scheduled for January 2025.
 - Phase II Environmental Site Assessment is currently underway.
 - The AFC design submittal for Van Nuys is under development. The 100% design submittals for Bike Path improvements and Sepulveda are also underway.
 - Advancing the gated intersections alternative, which includes gates at 13 intersections and traffic signal upgrades at the remaining crossings.
- **Utility Owner-Performed Advanced Utility Relocation (AURs)**
 - Sepulveda – Relocation of communication lines are complete. All necessary underground infrastructure has been installed. LADWP 34.5kv lines remain and are scheduled to be relocated by April 2026
- **Property Acquisitions**
 - Metro has obtained possession of two of three required properties



Project Map



Phase II Environmental Site Assessment



Equity

- 15 of 17 stations (88%) are within or adjacent to Equity Focus Communities.





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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:		N/A	N/A 

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

SCHEDULE			Substantial Completion	
	Original	Approved Re-baseline	Previous Period	Current Forecast
	July 2026	N/A	Summer 2026	Winter 2027**
	Variance from Original:		+0d (0%)	+180d (10%) 
	Variance from Revised Schedule:		N/A	N/A 

** Schedule analysis shows a 283-day delay in substantial completion. Metro disagrees with Contractor's schedule analysis. Working with contractors to mitigate delay and improve the schedule performance.



I-5 North County Enhancements

Safety

Project Hours: 853,835; Recordable Injury Rate: 1.41 vs.
The National Average: 2.4.

Updates

- **Overall Project progress is 51% complete.**
- Construction Stage 1, Phases 1 & 2 continues:
 - Work on 3 bridges throughout the project.
 - Construction of approximately 16 Retaining/Sound Walls on-going throughout the project.
 - On-going work in the median includes barrier and signage installation
 - Lean Concrete Base (LCB) and Jointed Plain Concrete Paving (JPCP) in the median is complete.
- Castaic Creek Bridge substructure is complete.
- Project Team continues to coordinate with various stakeholders.

Equity

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



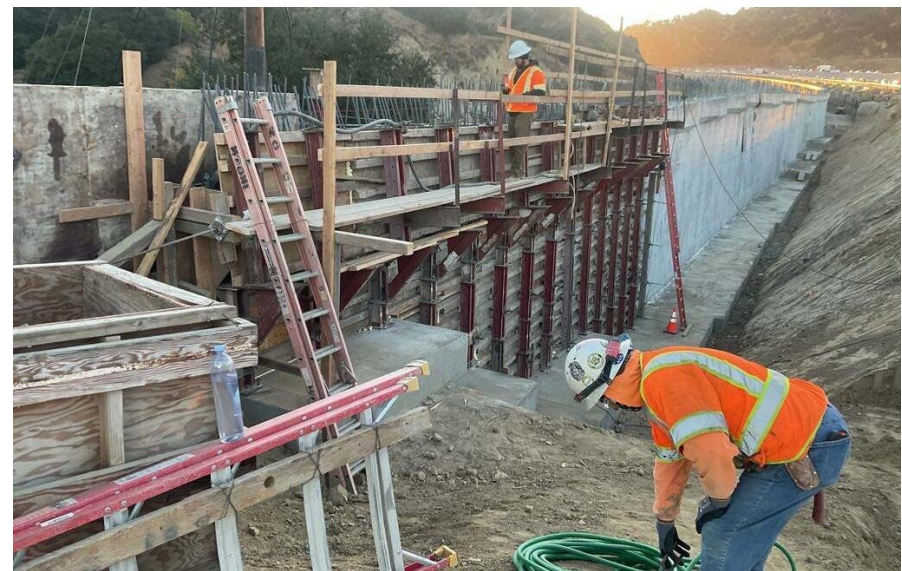
Set Girders at Rye Canyon Bridge



Median Barrier Rebar Installation



Wall 986 Installation of 24IN CIDH Piling





Retaining Wall 2460 Ready for Pour





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105 Express Lanes

BUDGET				
		Approved Budget to Date	Previous Period	Current Forecast
	Pre-Construction	\$119M	\$119M	\$119M
	Project	\$757M	\$1.2B - \$1.44B	\$1.4B - \$1.5B
	Variance from Approved Pre-Construction Budget:		\$0M (0%)	\$0 M (0%) 
	Variance from Approved LOP:		N/A	N/A 
	Variance from Revised Budget:			\$0M

The Revised Forecast is derived from the ongoing Project estimate, which is in progress following the recent finalization of OPCC for Segment 1 and a more precise estimate for Segments 2 & 3 by CMGC.

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

**Note: Spring of 2028 operation is for Segment 1. Segment 2/3 currently is forecasting Spring of 2029*



105 Express Lanes

Safety

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

Updates

Design is 80% complete.

Segment 1

- Sub-contractor packages bids were received in July. Final pricing and Segment 1 budget was approved by the Board in October 2024.
- Segment 1 95% plans submitted to Caltrans in September 2024.
- Equity Assessment is in progress; seven roundtable meetings held to date with Community Based Organizations
- Receipt of State's funding allocation of \$150M from California Transportation Commission (CTC) in May 2024. Metro awarded Segment 1 contract in November 2024.

Segment 2 and 3

- Caltrans has concurred with Value Engineering elements. Design team is preparing necessary documents for approval.
- Revised design 95% submittal is anticipated late 2025.
- 65% OPCC update was received with VE elements and is being evaluated.
- Segment 3 design is coordinating with Southeast Gateway Line project

Roadside Toll Collection System (RTCS)

- Started Milestone A-3: Requirements Traceability Matrix Approval
- Draft Roadside System Detailed Design Document submitted for review
- Approval for RTCS Infrastructure Design Document

Equity

- 92% of the project is within or adjacent to Equity Focus Communities.
- Equity assessment in progress that identifies and prioritizes projects that could be funded with future net toll revenue



Traffic on 105 Freeway Eastbound



The Project Map



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Projects without Life of Project (LOP) Budget



Engineering Projects

- North Hollywood to Pasadena BRT Project
- East San Fernando Valley Transit Corridor
- Southeast Gateway Line



North Hollywood to Pasadena BRT

BUDGET				
		Approved Budget to Date	Previous Period	Current Forecast
	Pre-Construction	\$8.26M	N/A	\$8.26M
	Project	N/A	\$308M-515M	\$308-515M
	Variance from Approved Pre-Construction Budget:		\$0M (0%)	\$0M (0%) 
	Variance from Approved LOP:		N/A	N/A 
	Variance from Revised Budget:			N/A 

SCHEDULE			Revenue Operation	
	Original	Approved Rebaseline	Previous Period	Current Forecast**
	N/A	N/A	Summer 2027	Summer 2027
	Variance from Original:		N/A	N/A 
	Variance from Revised Schedule:			N/A 

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



North Hollywood to Pasadena BRT

Safety

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

Updates

Design is 25% complete.

- Environmental Impact Report (EIR) Approved April 2022
- Program Management Support Service (PMSS) awarded in March 2024
- Architect & Engineering (A&E) contract awarded in May 2024
- CM/GC contract was awarded at the November/December board meeting.

Equity

- 60% of the project is within or adjacent to Equity Focus Communities





Project Map





View of Vineland Ave / Lankershim Blvd



East San Fernando Valley Transit Corridor

BUDGET				
		Approved Budget to Date*	Previous Period	Current Forecast
	Pre-Construction	\$879.7M	\$879.7M	\$879.7M
	Project	N/A	\$3.57B	\$3.57B
	Variance from Approved Pre-Construction Budget:		\$0M (0%)	\$0M (0%) 
	Variance from Approved LOP:		N/A	N/A
	Variance from Revised Budget:			\$0M 

*The Board approved an increase to the Pre-Construction Budget in July 2024.

SCHEDULE			Revenue Operation	
	Original	Approved Rebaseline	Previous Period	Current Forecast**
	N/A	N/A	Fall 2031	Fall 2031
	Variance from Original:		+0d (0%)	+0d (0%) 
	Variance from Revised Schedule:			N/A 

**Current schedule forecast reflects Metro's Internal Schedule. The actual Baseline schedule will be negotiated with Progressive Design Builder as part of the Phase 2 Supplement.



East San Fernando Valley Transit Corridor

Safety

C1220 Contract Hours Worked: 36,514; Recordable Injury Rate: 0 vs. National Average: 3.0



Updates

- **FTA Coordination**
 - Full Funding Grant Agreement (FFGA) was executed on 9/13/24
- **Progressive Design-Build Contract**
 - Project negotiating and executing Early Work Packages (EWPs)
 - EWP-01 – Design Studies – \$4.8M - awarded 7/9/24
 - EWP-02 – Initial Integrated Project Mgmt. Office – \$8.8M - awarded 8/7/24
 - EWP-03 – Utility Adjustment Packages 4/6 – awarded 9/5/24
 - EWP-04 – Final Design – \$80M – awarded 9/30/24
 - EWP-05 – Field Office – target Dec. award
 - EWP-06 – Utility Adjustment Packages 2/3/7 - target Dec. award
- **Real Estate**
 - 12 offers issued
 - 8 offers accepted, 5 of which have closed escrow
 - Condemnation process has begun for parcels that did not accept.
- **Construction**
 - SFTC utility construction began in October on EWP-03.
 - DWP self-perform work forecast complete in March.
- **Light Rail Vehicle (LRV) Procurement**
 - LRV Manufacturing Contract to be advertised in early 2025.
- **Equity**
 - 100% of the project is within or adjacent to Equity Focus Communities.





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Southeast Gateway Line

BUDGET				
		Approved Budget to Date *	Previous Period	Current Forecast
	Project		\$	\$
	Variance from Approved LOP:		N/A	N/A 
	Variance from Revised Budget:			\$0M 

**The Board has not yet established a Pre-Construction Budget or a Life of Project Budget for the Project.*

SCHEDULE			Revenue Operation	
	Original	Approved Rebaseline	Previous Period	Current Forecast**
	N/A	N/A	Fall 2035	Fall 2035
	Variance from Original:		+0d (0%)	+0d (0%) 
	Variance from Revised Schedule:			N/A 

***Current schedule forecast reflects Metro's Internal Schedule.*



Southeast Gateway Line

- **Project Development**
 - FTA/PMOC risk workshop completed Nov 5-7, 2024
 - Anticipate initial FTA/PMOC results shared with Metro by mid December
 - Submitted request for approval to enter Engineering on Nov 19, 2024
 - Submitted request to FTA for approval of Letter of No Prejudice (LONP) for the Advanced Works on Nov 20, 2024
- **Advanced Engineering**
 - Continue to advance design for critical elements including utilities, freight, and grade crossings for the CMGC Advanced Works
 - Continue 30% design refinements on LRT elements
 - Continue design coordination with key external stakeholders including UPRR, POLA/POLB, Caltrans, cities, CPUC, and self-performing utility owners
 - 2nd VE workshop scheduled for Q2, 2025
- **Site Investigations**
 - Completed utility potholing
 - Geotechnical investigation work complete except in rivers pending permit from LA County/USACE (defer to next dry season)
 - Environmental sampling completed on San Pedro subdivision w/ report by mid Dec 2024
- **Advanced Works Construction Contract (CM/GC)**
 - Under procurement; award planned for Q1, 2025
- **Equity**
 - 65% of the project is within or adjacent to Equity Focus Communities.





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Operational Projects

- **North San Fernando Transit Corridor Project**



NSFV Transit Corridor Project

BUDGET				
		Approved LOP	Previous Period	Current Forecast
		\$180M	\$180M	\$180M
	Variance from Approved LOP:		\$0M (0%)	\$0M (0%) 
	Variance from Revised Budget:			\$0 

SCHEDULE			Substantial Completion	
	Original	Approved Rebaseline	Previous Period	Current Forecast*
	Summer 2025	N/A	Winter 2027	Summer 2028
	Variance from Original:		+0d (0%)	+0d (0%) 
	Variance from Revised Schedule:			N/A 

**Project elements delivered incrementally. Likely, last elements to be completed are expected to be ZEB and charging*



NSFV Transit Corridor Project

Safety

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

Updates

- **Roscoe BI Bus Priority Lanes**
 - 100% design approved by City
 - Installation by City of LA started June 24 for completion in Q2 FY25
- **All Door Boarding**
 - 200 pilot BMVs testing in Q3-Q4 FY24
 - 2,900 BMVs for delivery and install by end of FY25 (incl. 330 for NSFV)
- **Bus Bulbs (82 locations)**
 - Contract Modification for design services to Board for approval Sep 2024.
 - Design to begin in Q2 FY25
- **5 Key Transfer Locations**
 - Construction to start in Q3 FY25
- **Bus Shelters**
 - Construction and installation agreement for 393 shelters executed 10/2023
 - Installations expected to begin by Q3 FY25
- **Transit Signal Priority (7 Corridors)**
 - 35% design
 - Installation to begin Q3 FY25
 - Completion by Q2 FY26
- **75 Battery Electric Buses + Charging**
 - Included under current ZEB procurement issued April 20, 2024. Award Q4 FY25
- **Service Frequency Improvements on Lines 152 (Roscoe) and 166 (Nordhoff)**
 - Implementation of first phase June 2024. More improvements by end of FY25
- **Equity**
 - 42% of the project is within or adjacent to Equity Focus Communities.



Rendering of an improved stop on Nordhoff/Lindley

