



## Board Report

**File #:** 2024-0531, **File Type:** Oral Report / Presentation

**Agenda Number:** 22.

### CONSTRUCTION COMMITTEE OCTOBER 16, 2024

**SUBJECT: PROGRAM MANAGEMENT PROJECT STATUS**

**ACTION: RECEIVE AND FILE**

#### **RECOMMENDATION**

RECEIVE AND FILE the Program Management Project Status Report.

#### **ISSUE**

Program Management's capital project status report provides significant highlights regarding several capital projects nearing or under construction.

#### **BACKGROUND**

Metro's mission is to provide a world-class transportation system that enhances the quality of life for all who live, work, and play within LA County. Program Management oversees the construction of capital projects. The attached project status report provides significant information about the progress of 11 major capital projects.

#### **DISCUSSION**

The project status report includes a summary of 11 major projects including cost and schedule performance, small business project participation status, safety, risk, and equity (Westside Purple Line Sections 1, 2, and 3, Division 20 Portal Widening Turnback, Gold Line Foothill Ext. Phase 2B, Airport Metro Connector, I-5 North County Enhancements, East San Fernando Valley Transit Corridor, North Hollywood to Pasadena BRT Project, G Line BRT Improvements and I-105 Express Lanes Projects). The report highlights construction activities, and safety data is based on the latest available information, consistent with reporting timelines.

#### **EQUITY PLATFORM**

The following tables summarize Equity Focus Communities (EFC) percentage data for the individual projects covered in this report. Going forward, Program Management will complete an equity section baseline, which is expected to be included starting with the January 2025 Program Management Project Status report.

**Major Projects**

Airport Metro Connector	Equity - 100% within or adjacent to Equity Focus Communities.
Gold Line Foothill Ext. Phase 2B	Equity - 25% (1 of 4 stations) within or adjacent to Equity Focus Communities.
Westside Purple Line Ext 1	Equity - this project is not within or adjacent to Equity Focus Communities.
Division 20 Portal Widening Turnback	Equity - 100% within or adjacent to Equity Focus Communities.
Westside Purple Line Ext 2	Equity - this project is not within or adjacent to Equity Focus Communities.
I-5 North County Enhancements	Equity - this project is not within or adjacent to Equity Focus Communities.
Westside Purple Line Ext 3	Equity - 50% (1 of 2 stations) within or adjacent to Equity Focus Communities.
North Hollywood to Pasadena BRT	Equity - 60% within or adjacent to Equity Focus Communities.
G Line BRT Improvements	Equity - 88% (15 of 17 stations) within or adjacent to Equity Focus Communities.
I-105 Express Lanes	Equity - 92% within or adjacent to Equity Focus Communities.
East San Fernando Valley Transit	Equity - 100% within or adjacent to Equity Focus Communities.

**IMPLEMENTATION OF STRATEGIC PLAN GOALS**

Strategic plan goal # 1, Metro will expand transportation options, improve the quality of its transit network and assets, and take steps to manage demands on the entire network.

**SAFETY**

The average national safety rate is 2.4. Below are the project's recordable injury rates as compared to the national average.

**Major Projects**

	Project Hours	Recordable Injury Rate	Comments
Airport Metro Connector	1,182,282	1.35	Below National Average
Gold Line Foothill Ext. Phase 2B	2,269,576	0.26	Below National Average
Westside Purple Line Ext 1	10,155,375	0.85	Below National Average
Division 20 Portal Widening Turnback	1,135,549	1.59	Below National Average
Westside Purple Line Ext 2	4,549,713	2.46	Above National Average
I-5 North County Enhancements	780,691	1.02	Below National Average
Westside Purple Line Ext 3 (C1151)	1,781,136	2.36	Below National Average
Westside Purple Line Ext 3 (C1152)	1,775,838	0.56	Below National Average
North Hollywood to Pasadena BRT Project	N/A	N/A	N/A - Construction not started
G Line BRT Improvements	N/A	N/A	N/A - Construction not started
I-105 Express Lanes	N/A	N/A	N/A - Construction not started
East San Fernando Valley Transit Corridor	36,514	0	Advanced Utility Adjustment Construction Only

The safety data is based on the latest available information, consistent with reporting timelines.

### **NEXT STEPS**

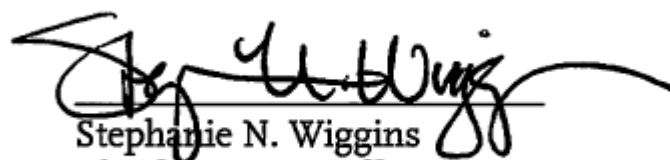
Staff will continue to work towards the completion of all capital projects. The next Program Management project status report and update will be in January 2025.

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Stephanie N. Wiggins  
Chief Executive Officer

# **Program Management Project Status Report**

**Tim Lindholm**













































Chief Program Management Officer

**Construction Committee**

October 2024



# Project Budget & Schedule Status Summary Chart

Project	Cost Performance		Schedule Performance		Comments
	Variance Approved LOP	Variance Revised Budget	Variance Original	Variance Revised Schedule	
1. LAX/Metro Transit Center (AMC)					The project is 94% complete. The contractor is making progress on several items, including ceiling light fixtures and low-voltage devices, building cladding and glazing, interior finishes, electrical and communication room equipment/wiring, elevators and escalators, site finishes, and public ROW (B-Permit) work. Additionally, the contractor is preparing for communication systems testing, which is scheduled to begin next month.
2. Gold Line Foothill Extension Phase 2B					Project is 90% complete. Construction continues with construction at the Glendora, San Dimas, La Verne and Pomona stations, Southern California Regional Rail Authority (SCRRA) Maintenance of way (MOW) building, Systems Integration Testing and Nighttime Train Testing. Began SCADA Testing. Equity - 25% of the project is within or adjacent to Equity Focus Communities.
3. Westside Purple Line Extension-Section 1					Project is 92% complete. The Revenue Service Date is Fall 2025. Due to anticipated commitments, the PLE1 contingency has dropped below the 3% Project Reserve threshold. Equity - This Project is not located within or adjacent to Equity Focus Communities.
4. Division 20 Portal Widening Turnback					Project is 76% complete. Construction continues inside the West Portal at the Union East Crossover, North Ladder tracks installation are underway, traction power substations (TPSS) assembly and LFAT complete. Contingency is below 3%, staff will be proposing a final budget adjustment in Fall 2024" Equity - 100% of the project is within or adjacent to Equity Focus Communities.
5. Westside Purple Line Extension-Section 2					Project is approximately 72% complete. The Project schedule is currently trending behind the target date, which is currently under review to improve schedule performance and recovery options. Equity - This project is not located within or adjacent to Equity Focus Communities.
6. I-5 North County Enhancements					Project is 44% complete. The current construction progress will not allow for an on-time completion. Substantial completion has moved from late July 2026 to late-September 2026 (3% variance). Metro will closely monitor the progress of the work and coordinate with Contractor to mitigate the current delays. Retaining/Sound wall excavation/construction at 10 locations, work on 4 bridges, roadway excavation, lean concrete base (LCB) placement, and drainage/barrier work continues. Equity - This project is not located within or adjacent to Equity Focus Communities.
7. Westside Purple Line Extension-Section 3					Project is 55% complete. The Project is implementing an accelerated re-sequenced schedule with a revised Revenue Service Date in Summer 2027. Equity - 50% of the project is within or adjacent to Equity Focus Communities. The LOP budget to the Board in Fall 2024.
8. North Hollywood to Pasadena BRT Project*					Design completed to 25% level by planning engineering firm. Program Management Support Service (PMSS) and Architect & Engineering contracts have been approved by Board. The Construction Manager/General Contractor (CM/GC) RFP was released in January 2024. 60% of the project is within or adjacent to Equity Focus Communities.
9. G Line BRT Improvements					Project LOP approved by Board in September 2024. Executing Early Works Package to commence construction on grade separations, station and bike path improvements. Advancing design on gated Intersections alternative including gates at 13 intersections and traffic signal reservicing at remaining crossings. Equity: 88% of the project is within or adjacent to Equity Focus Communities.
10. I-105 Express Lanes*					Design is 80% complete overall. Due to re-design of Segment 1 to reduce the construction cost, Segment 1 design is currently at 95% completion. Seg 1 subcontractor bidding is in process. Segments 2 and 3 Design is at 65% complete. Opinion of Probable Construction Cost (OPCC) based on 65% has been submitted and under evaluation. Equity: 92% of the project is within or adjacent to Equity Focus Communities.
11. East San Fernando Valley Light Rail Transit Project*					FFGA was signed September 6, 2024. Real Estate property acquisitions are underway. In process of awarding Early Work Packages to the contractor. Equity – 100% of the project is within or adjacent to Equity Focus Communities.

\*Projects without a LOP budget

October 2024 Construction Committee



On target



Possible problem  
(5-10% variance)

















Significant Impact  
(over 10% variance)

# Small Business Project Status Summary Chart (reflective of payments reported through August 2024)

\*Projects without a LOP budget

\*\*Excludes from contract value time delay, claims, settlements, incentives that Contractor contends has no DBE opportunity.

Project	Phase	Goal Type	Contractor Commitment	Current Participation	Status	Variance from Last Reporting +/-	**Adjusted Participation %	% Complete	Comments
1. LAX/Metro Transit Center (AMC)	Construction	SBE	20.79%	18.53%		+.80%		92%	Tutor Perini Corporation (TPC) has a 2.26% SBE shortfall and is exceeding the DVBE commitment by 2.59%. TPC reported an increase in both SBE and DVBE participation by 0.80% and 0.04%, respectively during this reporting period. TPC has a shortfall mitigation plan on file.
		DVBE	4.96%	7.55%		+.04%			
2. Gold Line/Foothill 2B	Construction	SBE	14.20%	12.42%		--	--	90%	Metro Gold Line Foothill Extension Construction Authority reporting on Kiewit/Parsons JV Construction contract.
3. Westside Purple Line Extension-Section 1	Design	DBE	20.25%	22.21%		-.13%		95%	Skanska-Traylor-Shea Joint Venture (STS) is exceeding the DBE commitment on both Design and Construction by 1.96% and 1.29%, respectively. STS reported a decrease in DBE participation on both Design and Construction of 0.13% and 1.19%, respectively during this reporting period.
	Construction	DBE	17.00%	18.29%		-1.19%	20.57%	95%	
4. Division 20 Portal Widening Turnback	Construction	SBE	19.34%	18.02%		+.02%	18.26%	84%	Tutor Perini Corporation (TPC) has a 1.32% SBE and a 0.19% DVBE shortfall. TPC reported a slight uptick in both the SBE and DVBE participation of 0.02% and 0.04%, respectively during this reporting period. TPC has an updated mitigation plan on file and staff will continue to monitor TPC progress towards meeting its commitment.
		DVBE	3.31%	3.12%		+.04%	3.16%		
5. Westside Purple Line Extension-Section 2	Design	DBE	25.31%	30.13%		+.01%		99%	Tutor Perini/O&G, A Joint Venture (TPOG) is exceeding the DBE commitment on Design by 4.82% and has a 1.40% shortfall on Construction. TPOG reported a slight increase in the DBE participation on Design both Design and Construction by +.001% and -.002%, respectively during this reporting period. TPOG has a shortfall mitigation plan on file. An assessment for an updated mitigation plan on Construction will be conducted at 75% contract completion.
	Construction	DBE	17.00%	15.60%		-.02%		72%	
6. I-5 North County Enhancements	Construction	DBE	13.01%	20.95%		+2.14%		35%	OHLA USA, Inc. (OHLA) is currently exceeding its DBE commitment by 7.94%. OHLA reported a increase in their DBE participation by 2.14% during this reporting period.
7. Westside Purple Line Extension-Section 3 – Tunnels	Design	DBE	11.19%	17.30%		N/A		97%	Frontier-Kemper/Tutor Perini JV (FKTP) is exceeding the DBE commitment on both Design and Construction. FKTP reported no change in their DBE participation on design and a slight increase in its DBE participation on construction of 0.03% during this reporting period.
	Construction	DBE	17.10%	21.56%		+.03%	21.65%	87%	
7. Westside Purple Line Extension-Section 3 – Stations, Trackwork, Systems and Testing	Design	DBE	19.25%	16.35%		-.36%		95%	Tutor Perini/O&G, A Joint Venture (TPOG) reported a decrease in its DBE participation on Design of 0.36% and a slight increase on Construction of 0.01% during this reporting period. TPOG has a 2.90% shortfall on Design and 10.51% shortfall on Construction. TPOG submitted an updated shortfall mitigation plan and contends the majority of DBE work will be performed in the 3rd qtr. of 2026 and through substantial completion. As DBE work commences the level of participation will increase accordingly. Staff will continue to monitor TPOG's progress towards meeting its commitments on this project.
	Construction	DBE	21.00%	10.49%		+.01%		51%	



On target



Possible problem  
(3-5% shortfall)



Significant Impact  
(over 5% shortfall)

# Small Business Project Status Summary Chart (reflective of payments reported through August 2024)

\*Projects without a LOP budget

\*\*Excludes from contract value time delay, claims, settlements, incentives that Contractor contends has no DBE opportunity.

Project	Phase	Goal Type	Contractor Commitment	Current Participation	Status	Variance from Last Reporting +/-	**Adjusted Participation %	% Complete	Comments
8. North Hollywood to Pasadena BRT Project	PMSS	SBE	35.59%	TBD	TBD	TBD		TBD	Contract recently awarded; no payments have been reported to date.
		DVBE	3.00%	TBD	TBD	TBD		TBD	
	A&E	SBE	37.69%	TBD	TBD	TBD		TBD	Contract recently awarded; no payments have been reported to date.
		DVBE	3.00%	TBD	TBD	TBD		TBD	
	CM/GC	TBD	TBD	TBD	TBD	TBD		TBD	Contract has not been awarded at this time.
9. G Line BRT Improv. (PDB Phase 1)	PDB Phase 1	SBE	18.35%	20.07%	OK	-.86%		88%	Valley Transit Partners (VTP) is exceeding the SBE and DVBE commitments by 1.72% and 0.29%, respectively. VTP reported a decrease in both SBE and DVBE participation of 0.86% and 0.32%, respectively during this reporting period.
		DVBE	3.73%	4.02%	OK	-.32%			
9. G Line BRT Improv. (PDB Phase 2)	PDB Phase 2	SBE	24%	0.24%	OK	N/A		24%	Valley Transit Partners (VTP) was recently awarded Early Works Package 01 and the current level of SBE and DVBE participation is 0.24% and 0%, respectively and is cumulatively being counted towards the Phase 2 – Construction commitment.
		DVBE	3%	0.00%	OK	N/A			
10. I-105 Express Lanes*(Phase 1)	CM/GC	DBE	12.40%	11.11%	OK	+0.39%		62%	Flatiron-Myers, A Joint Venture's (FMJV) current level of DBE participation is 11.11%, representing a 1.29% shortfall. FMJV reported an uptick in DBE participation by 0.39% during this reporting period. FMJV has a shortfall mitigation plan on file and staff will continue to monitor GFI's progress towards meeting its commitments. An assessment for an updated mitigation plan will be performed at 65% contract completion if the shortfall remains.
11. East San Fernando Valley Transit Corridor* (ESFV)	PE/DSDC	SBE	25.29%	23.50%	OK	N/A		82%	Gannett Fleming, Inc (GFI) has a 1.79% SBE shortfall and is exceeding the DVBE commitment by 0.07%. GFI reported no change in the SBE and DVBE participation during this reporting period. GFI submitted an updated mitigation in December 2023. However, an assessment for an updated mitigation plan will be performed at 85% contract completion.
		DVBE	5.54%	5.61%	OK	N/A			
11. ESFV LRT Line Project – Phase 1*	PDB	DBE	19.33%	21.85%	OK	+3.74%		80%	San Fernando Transit Constructors' (SFTC) current level of DBE participation is 21.85%, exceeding the commitment by 2.52%. SFTC reported an increase in DBE participation of 3.74% during this reporting period. Staff will continue to monitor SFTC's progress toward meeting the DBE commitment.
11. ESFV – AUA #1*	DBB	DBE	25.32%	22.41%	OK	-1.30%		89%	W A Rasic Construction Company, Inc.'s (WA Rasic) current level of DBE participation is 22.41%, representing a 2.91% shortfall. WA Rasic reported a decrease in DBE participation of 1.30% this reporting period. WA Rasic has a shortfall mitigation plan on file. Staff will continue to monitor WA Rasic's progress toward meeting the DBE commitment. However, an assessment for an updated mitigation plan will be performed at 90% contract completion.



On target





Possible problem  
(3-5% shortfall)





Significant Impact  
(over 5% shortfall)

# 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%) 
	Variance from Revised Budget:			\$0 

\* Approved April 2021 Board

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

\*\* Current Forecast is Metro's September 2024 Schedule Update

\*\*\* Pre-revenue train testing to begin in October 2024, and system integration testing ongoing.





# LAX/Metro Transit Center (AMC)

## Safety

Project Hours: 1,182,282 (purely construction hours);  
Recordable Injury Rate: 1.35 vs. The National Average: 2.4.

## Updates

### Overall project progress is 94% complete

Primary Station Construction at 92.7% completion

- LADWP is installing cable and the meter for permanent power at the AMC station.
- Station-wide buildout is progressing at the LRT, Metro Hub, Bike Hub, and Bus Plaza, both interior and exterior.
- The restraining rail has been installed at the pocket track, and ARM testing for vehicle and rail wear has been completed. All base design track work is now finished and handed over to Metro, enabling limited pre-revenue operations during nights and weekends. Full pre-revenue operations are anticipated in October 2024.
- Vertical circulation systems are making progress. A temporary generator is being used to power the elevator and escalator control rooms to start up essential equipment.
- Site-wide civil improvements: The bus loop concrete pavement is complete, trees have been planted in the planters, bollard installation is ongoing, and the hardscape architectural concrete pour is scheduled to begin site-wide in September. The stainless-steel fence at the LRT platform is nearly complete, and about half of the shared-use path sidewalk on Aviation Blvd is paved (B-Permit).

## Equity



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



October 2024 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 September 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.





# Gold Line Foothill Extension Phase 2B

## Safety

- Project Hours: 2,269,576 (as of June 2024)
- Recordable Injury Rate: 0.26 vs. the National Average: 2.4.

## Updates

- **Overall Project Progress is 90% complete**

## Construction is planned and 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 (TPSS's)
- 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.



**Nighttime Active Train Testing  
San Dimas to Pomona**



**Active Train Testing San Dimas**





# Westside Purple Line Extension – Section 1

BUDGET				
	FFGA	Approved LOP*, **	Previous Period**	Current Forecast**
	\$2,822M	\$2,774M	\$3,354M	\$3,354M
	Variance from Approved LOP:		\$580M (21%)	\$580M (21%) 
	Variance from Revised Budget:			\$0M (0%) 

\*At time of the award of contract – Board Approval July 2014.

\*\*Excludes finance costs.

SCHEDULE			Revenue Operation	
	Original	Approved Rebaseline	Previous Period	Current Forecast
	November 2023	Fall 2025	Fall 2025	Fall 2025
	Variance from Original:		+667d (17%)	+667d (21%) 
	Variance from Revised Schedule:			+0d (0%) 





# Westside Purple Line Extension – Section 1

## Safety

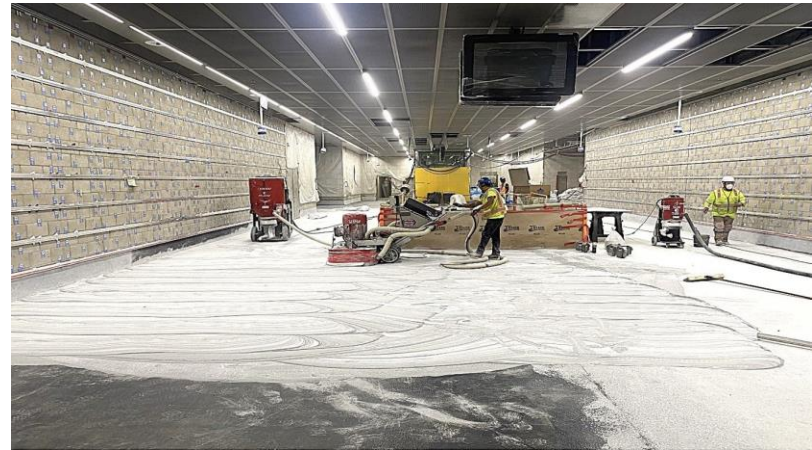
Project Hours: 10,155,375; Recordable Injury Rate: 0.85 vs. the National Average: 2.4.

## Updates

- **Overall Project Progress is 92% complete.**
- **Western Station/Interface Chamber:** Continued interior room build-out and acceptance (LFAT) testing.
- **Wilshire/La Brea Station:** Civil restoration on Wilshire Boulevard including access hatch construction. Entrance structure/plaza construction. Interior room buildout, architectural finishes, elevator/escalator work, systems installations and acceptance testing (LFAT).
- **Wilshire/Fairfax Station:** Entrance structure/plaza construction. Civil restoration on Wilshire Boulevard. Interior room buildout, architectural finishes, systems, escalator/elevator work and acceptance testing (LFAT).
- **Wilshire/La Cienega Station:** Entrance structure/plaza and appendage construction. Permanent utility work and access hatch construction. Architectural finishes, interior room build-out, systems, elevator/escalator work and acceptance testing (LFAT).
- **Tunneling:** Successfully completed Dead Car Train Test (Project Wide)
  - **Reach 1:** Continued systems work in tunnels and cross passages.
  - **Reach 2:** Continued systems work in tunnels and cross passages.
  - **Reach 3:** Continued systems work in tunnels and cross passages.
  - **Reach 4:** Continued systems work in tunnels and cross passages.

## Equity

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



**Wilshire/La Brea Station**  
Rough Grinding Terrazzo at the Concourse Level





**Reach 3 Tunnel (Fairfax to La Cienega)**  
Dead Car Train Test entering La Cienega Station (BR)



October 2024 Construction Committee

Los Angeles County Metropolitan Transportation Authority



# Division 20 Portal Widening Turnback

BUDGET				
		Approved LOP*	Previous Period**	Current Forecast***
		\$801.7 M	\$956.7 M	\$1,059.7 M
	Variance from Approved LOP:		\$155M (19%)	\$257.9M (32%) 
	Variance from Revised Budget:			\$102.9M(10.8%) 

\* At time of the award of contract – Board Approval (February 2020)

\*\* LOP increase approved at April 2023 Board meeting

\*\*\* Contingency is below 3%, staff will be proposing a final budget adjustment in Fall 2024

SCHEDULE			Revenue Operation	
	Original	Approved Rebaseline*	Previous Period	Current Forecast**
	June 2024	Summer 2026	Summer 2026	Summer 2026
	Variance from Original:		+731d (47%)	+733d (47%) 
	Variance from Revised Schedule:			2d (0.3%) 

\* Rebaseline Schedule April 2024

\*\* Current Forecast is Contractor's recent approved Schedule Update





# Division 20 Portal Widening Turnback

## Safety

- Project Hours: Project Hours: 1,135,549
- Recordable Injury Rate: 1.59 vs. The National Average: 2.4.

## Construction Updates

- **Overall Project Progress is 76% complete.**
  - **C1136 TPC Portal Widening Turnback Contract**
    - Contract progress is 74%.
    - Traction power substation (TPSS) SCADA testing is complete and energized, Union East crossover dynamic SIT underway, north storage yard devices & terminations underway. In the north ladder track area, third rail & bumping post is being installed as well as train control devices. Track tie-in to existing storage tracks underway. Paving of service access roads is underway.
  - **C1184 C3M Traction Power Substation Contract**
    - Contract progress is 96%.
    - Substation energized April 2024 and will feed new improvements.
  - **Coordination with Adjacent Projects**
    - Purple Line Extension (PLE1), Regional Connector; Metro Center Project, HR4000 and A650 Vehicle Delivery.

## Equity

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





QC Track Inspection



South Storage Yard





# Westside Purple Line Extension – Section 2

BUDGET				
	FFGA	Approved LOP*	Previous Period**	Current Forecast**
	\$2,499M	\$2,441M	\$2,575M	\$2,700M***
	Variance from Approved LOP:		\$134M (5%)	\$259M (11%) 
	Variance from Revised Budget:			\$125M (5%) 

\*At time of the award of contract – Board Approval January 2017

\*\*LOP Budget Amendment July 2023. Excludes finance costs.

\*\*\* Contractor's delay claims and RFCs are currently under review. The results will be reflected in future updates, subject to Board Approval.

SCHEDULE			Revenue Operation	
	Original	Approved Rebaseline	Previous Period	Current Forecast*
	August 2025	N/A	Summer 2026	Summer 2026
	Variance from Original:		+374d (12%)	+374d (12%) 
	Variance from Revised Schedule:			+0d (0%) 

\*The Current Forecast is based on Project Revised Schedule reflecting a target RSD of Summer 2026.





# Westside Purple Line Extension – Section 2

## Safety

- Project Hours: 4,549,713
- Recordable Injury Rate: 2.46 vs. The National Average: 2.4

## Construction Updates-

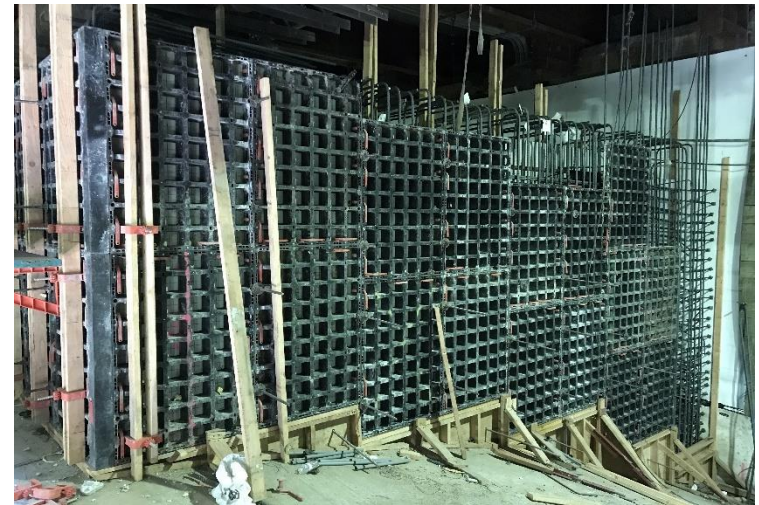
- **Overall Project Progress: 72% complete.**
- **Century City Station (CCS)**
  - Placement of concrete for concourse level walls in the station box is ongoing. Roof structural concrete is ongoing (94% complete).
  - Station Entrance exterior wall waterproofing and rebar is ongoing.
- **Wilshire/Rodeo Station (WRS)**
  - Traction power substation access shaft walls are ongoing.
  - Station entrance exterior walls are complete. Installation of roof falsework is ongoing.
- **Tunnels**
  - Tunnel walkway construction has started in BL Tunnel in Reach 4.

## Equity

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





Century City Station  
CMU walls on Rooms at Track Level Crossover





Wilshire Rodeo Station  
East EVS Shaft-East of Station-Rebar and Formwork



# 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 Re-baseline	Previous Period	Current Forecast
	July 2026	N/A	Summer 2026	Fall 2026**
	Variance from Original:		+0d (0%)	-66d (3%) 
	Variance from Revised Schedule:			N/A 

\*\* Schedule analysis shows a 66 day delay in substantial completion. Working with contractors to mitigate delay and improve the schedule performance.





# I-5 North County Enhancements

## Safety

Project Hours: 780,691; Recordable Injury Rate: 1.02 vs.  
The National Average: 2.4.

## Updates

- **Overall Project progress is 44% complete.**
- Construction Stage 1, Phases 1 & 2 continues:
  - Work on 4 bridges throughout the project.
  - Construction of approximately 10 Retaining Walls on-going throughout the project.
  - On-going work in the median includes drainage, electrical, barrier, and signage installation
  - Lean Concrete Base (LCB) placement and Jointed Plain Concrete Paving (JPCP) in the median.
- Dewatering and abutment construction for outside widening at Castaic Creek Bridge.
- Project Team continues to coordinate with various stakeholders.

## Equity

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



Preparation for SB  
JPCP Pour



Gavin Canyon Bridge  
Deck Rebar Install





Castaic Creek Bridge  
Abutment 4 Complete



Retaining Wall 2460 formwork installation





# 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

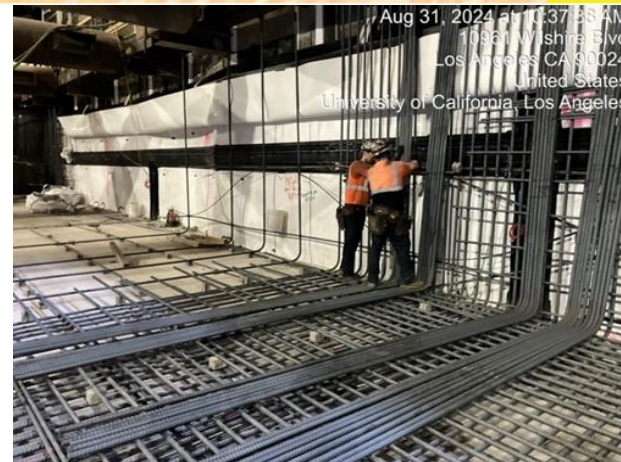
## Safety

Project Hours: 3,556,974 Recordable Injury Rate: 1.46 vs. The National Average: 2.4.

- C1151: Project Hours: 1,781,136; Recordable Injury Rate: 2.36.
- C1152: Project Hours: 1,775,838; Recordable Injury Rate: 0.56.

## Updates

- **Overall Project Progress is 55% complete.**
- **Final design progress is 97% complete.**
- **Westwood/UCLA Station**
  - Station invert concrete placement is ongoing (34% complete)
- **Westwood/VA Hospital Station**
  - Excavation is 99% complete. Station subgrade preparations is ongoing.
  - Station invert concrete placement ongoing (1% complete).
  - The water line connection on Wilshire is 85% complete.
- **Tunnels**
  - Cross passage work in the tunnels continues.
  - Excavation for five of fourteen cross passages are complete.
- **Equity**
  - 1 of 2 stations (50%) are within or adjacent to Equity Focus Communities.





**Westwood/UCLA Station:**  
Rebar Installation on the North Wall





**Westwood/VA Hospital Station:**  
Traction Power Conduit Install (Looking West)



# North Hollywood to Pasadena BRT

BUDGET				
		Approved Budget to Date*	Previous Period	Current Forecast
	Project	N/A	\$263M-386M	\$308-515M
	Variance from Approved LOP:	N/A	N/A	
	Variance from Revised Budget:		N/A	

\* Project will work within the annual budget constraints until Life of project (LOP) is established. The goal is to use CM/GC process to reduce forecasted project costs.

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.

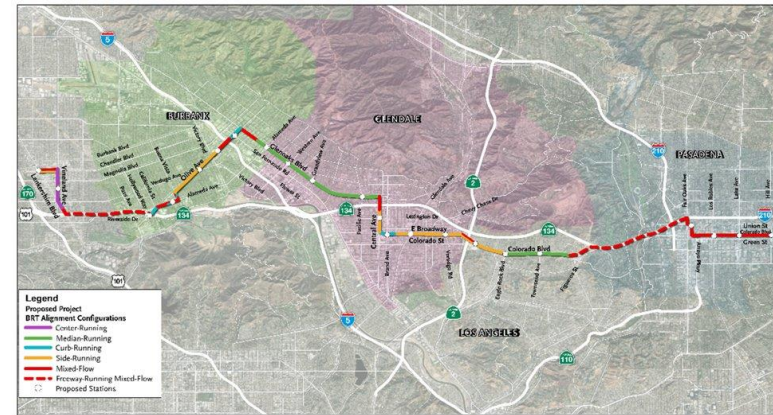
## Updates

**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
- Plan to Award Construction Manager/General Contractor (CM/GC) at November Board.

## Equity

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



*Project Map*





*View of Vineland Ave / Lankershim Blvd*





October 2024 Construction Committee

Los Angeles County Metropolitan Transportation Authority

# G Line BRT Improvements

BUDGET				
		Approved Budget to Date	Previous Period	Current Forecast
	Project	\$668.45M	\$488.1-511M	\$668.45M
	Variance from Approved LOP:		\$0M (0%)	\$0M (0%) 
	Variance from Revised Budget:			\$0M 

*\*Approved Budget only includes the Pre-Construction Budget. The project will request LOP budget prior to PDB Contract Phase 2 award.*

SCHEDULE			Revenue Operation	
	Original	Approved Rebaseline	Previous Period	Current Forecast
	Winter 2027	N/A	Winter 2026	Winter 2027**
	Variance from Original:		+0d (0%)	+0d (0%) 
	Variance from Revised Schedule:			N/A 

*\*\*Forecasted revenue operations date consistent with the LOP Budget approved by the Board in September 2024.*





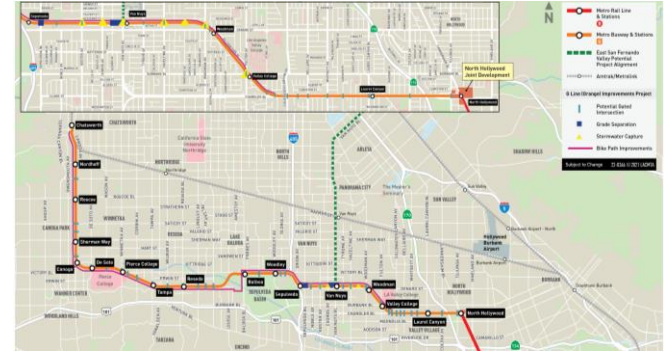
# G Line BRT Improvements

## 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.
    - Pilot Gate Proof of Concept has already been executed, Fiber Bypass and Bike Detour will be executed in October and EWP for Grade Separations, Station and Bike Path Improvements construction is anticipated to be executed by end of November 2024.
    - Construction start is expected in January 2025.
    - Phase II Environmental Site Assessment is currently underway.
    - The 100% design submittal for Van Nuys and Bike Path improvements is under review, and the 85% design submittal for Sepulveda is also under review.
    - 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 – LADWP removal of poles and overhead wires pending
    - Vesper – Overhead to Underground relocation completed Sept. 2024
    - Sylmar – Overhead to Underground relocation completed
  - **Property Acquisitions**
    - Metro has obtained possession of two of three required properties
- Equity**
- 15 of 17 stations (88%) are within or adjacent to Equity Focus Communities.



Project Map





Phase II Environmental Site Assessment – Site Walk & Soil Boring Marking at Van Nuys





October 2024 Construction Committee

# 105 Express Lanes

BUDGET				
		Approved Budget to Date	Previous Period	Current Forecast
	Pre-Construction	\$119 M	\$119 M	\$119 M
	Project	N/A	\$1B - \$1.44B	\$1.2B - \$1.44B
	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 is expected to go to 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 is expected to award contract by 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**





**October 2024 Construction Committee**



# 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 Nov. award
  - EWP-06 – Utility Adjustment Packages 2/3/7 - target Nov. award
- **Real Estate**
  - Offers have been made on 11 properties.
  - 8 accepted offers, 1 property purchased
  - Condemnation process has begun for parcels that did not accept.
- **Construction - Advance Utility Adjustment #1 (C1220)**
  - Construction complete, DWP initiated intercept work May 2024.
- **Light Rail Vehicle (LRV) Procurement**
  - LRV Manufacturing Contract anticipated to be advertised in early 2025.
- **Equity**
  - 100% of the project is within or adjacent to Equity Focus Communities.



October 2024 Construction Committee