



Board Report

File #: 2024-0284, **File Type:** Oral Report / Presentation

Agenda Number: 7.

**MEASURE M INDEPENDENT TAXPAYERS OVERSIGHT COMMITTEE
JUNE 5, 2024**

SUBJECT: ORAL REPORT ON TRANSIT AND HIGHWAY CAPITAL PROJECTS

ACTION: RECEIVE ORAL REPORT

RECOMMENDATION

RECEIVE oral report on Transit and Highway Capital projects to support discussion on the effective and efficient use of funds.

ATTACHMENTS

- Attachment A - Transit and Highways Capital Update
- Attachment B - Transit Planning Project Updates
- Attachment C - Complete Streets & Highways Project Updates

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Transit & Highway (Capital) Update

Measure M Oversight Committee

June 2024

Transit / Highway Engineering and Construction

Construction Projects

- Gold Line Foothill Extension Phase 2B – Pomona
- Airport Metro Connector
- Westside Purple Line – Section 3
- 15N County Enhancements

Alternative Delivery Projects



- 105 Express Lanes
- G Line BRT Improvements Project
- East San Fernando Valley Transit Corridor
- North Hollywood to Pasadena BRT Project

Operational Projects



- North San Fernando Transit Corridor Project



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%)	\$0M (0%) 
Variance from Revised Budget:			\$0 	

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

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 June 2023 Schedule Update. Authority forecasts Substantial Completion at January 2025, and assumes Revenue Operation will follow 6 months later.



Gold Line Foothill Extension Phase 2B

Safety

- Project Hours: 2,062,483
- Recordable Injury Rate: 0.19 vs. the National Average: 2.4.

Updates

- **Overall Project Progress is 83% complete**

Construction is planned and will continue as follows:

- Sound wall and fencing throughout the project
- 4 new stations: Glendora, San Dimas, La Verne, and Pomona
- LRT train control, OCS poles and wire installation
- Continue local field acceptance testing for TPSS's
- Begin systems integration testing

Equity

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



Pomona Station—East Ramp





MOW at Garey - Track construction



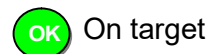
LAX/Metro Transit Center (AMC)

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	Fall 2024
	Variance from Original:		+0d (0%)	+0d (0%) 
Variance from Revised Schedule:			N/A 	

** Current Forecast is Metro's June 2023 Schedule Update



LAX/Metro Transit Center (AMC)

Safety

Project Hours: 835,792; Recordable Injury Rate: 1.68 vs. The National Average: 2.4.

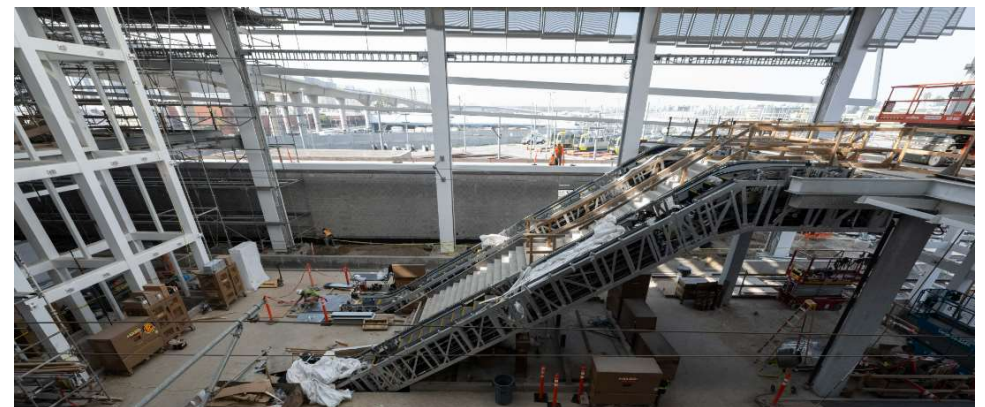
Updates

Overall project progress is 75.4% complete
Primary Station Construction at 70.3% completion

- Various activities continue at the roof level including skylight glass, fire sprinklers, exterior soffits, overhead utilities, finishes, roof panels, and fireproofing.
- Station build-outs continue including interior and exterior wall framing, drywall, utility rough-ins, and electrical panel installations
- Continuation of all vertical circulation system work with installation of multiple escalators and utilities in elevator shafts.
- Train control testing has begun with LFATs and LRV clearance tests
- Honeywell (Third-Party) installing groundwater wells

Equity



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



March 2024 Construction Committee



Los Angeles County Metropolitan Transportation Authority

Westside Purple Line Extension – Section 3

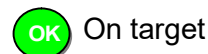
BUDGET	FFGA	Approved LOP*	Previous Period**	Current Forecast**
	\$3,599 M	\$3,224 M	\$3,277 M	\$3,277 M
	Variance from Approved LOP:		+\$53M (1.6%)	+\$53M (1.6%) 
	Variance from Revised Budget:			\$0 

* 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: 3,098,944 Recordable Injury Rate: 1.36 vs. The National Average: 2.4.

- C1151: Project Hours: 1,645,667; Recordable Injury Rate: 2.55.
- C1152: Project Hours: 1,453,277; Recordable Injury Rate: 0.0.

Updates

- **Overall Project Progress is 50.8% complete.**
- **Final design progress is 97% complete.**
- **Westwood/UCLA Station**
 - Excavation is 74% complete. Walers and struts continue to be installed at level 4; 66% of walers and struts have been installed.
- **Westwood/VA Hospital Station**
 - Excavation is 82% complete. Walers and struts continue to be installed at level 4; 72% of struts and walers have been installed. 86% of tiebacks and shotcrete have been installed.
 - Mechanical, Electrical, and Plumbing fit-out inside the VA steam tunnel is 93% complete.
- **Tunnels**
 - BR Tunnel Boring Machine (TBM) disassembly and extraction was completed; BL TBM disassembly and extraction is ongoing. Cross passage work in the tunnels continued.

Equity

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

Progress to 2/2/24



Westwood/UCLA Station:
Soil Nail Operation at the West End Wall





Westwood/VA Hospital Station:
BR Tunnel Liner Removal in Excavated Station Box





March 2024 Construction Committee

Los Angeles County Metropolitan Transportation Authority

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	Current Forecast
	July 2026	N/A	Summer 2026
Variance from Original:			+0d (0%) 
Variance from Revised Schedule:			N/A 



I-5 North County Enhancements

Safety

Project Hours: 525,689; Recordable Injury Rate: 1.16 vs. The National Average: 2.4.

Updates

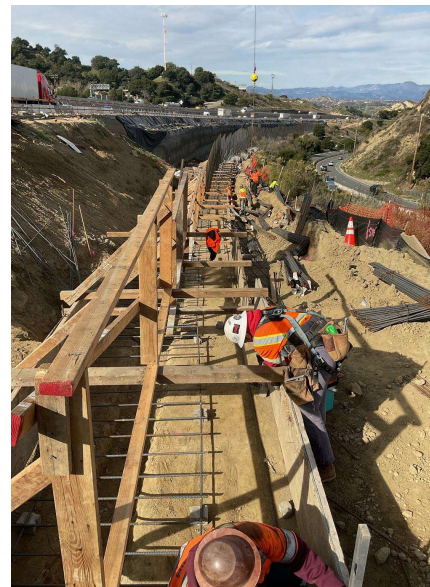
- **Overall Project progress is 37.05% complete.**
- Construction Stage 1, Phases 1 & 2 continues:
 - Work on 4 bridges throughout the project.
 - Construction of approximately 9 Retaining Walls on-going throughout the project.
 - On-going Drainage, Electrical, Barrier/Roadway Demo, Excavation, and Base Placement.
 - Lean Concrete Base (LCB) placement in the median.
- Project Team continues to coordinate with stakeholders: Caltrans, City of Santa Clarita, Los Angeles County, CHP, NPS, CDFW, SCVWA, and other local stakeholders.

Equity

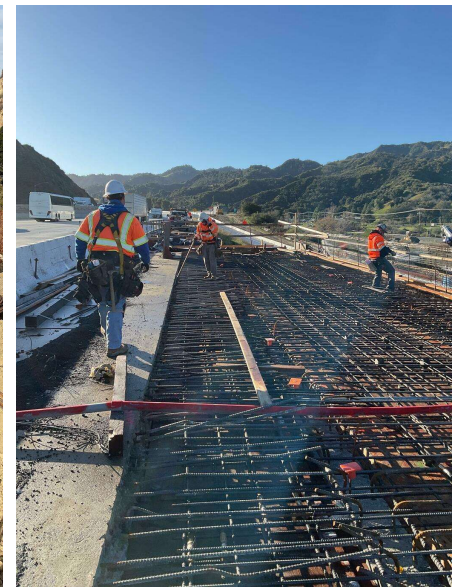
- This project is not located within or adjacent to Equity Focus Communities.



Placement of Lean Concrete Base (LCB) in the median



Rebar Installation at Retaining Wall 2460



Preparation for concrete Pour of deck at Calgrove Blvd.



March 2024 Construction Committee



Projects without Life of Project (LOP) Budget

Engineering Projects



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



105 Express Lanes

BUDGET	Approved Budget to Date			Previous Period	Current Forecast
	Pre-Construction	\$119.4 M		\$119.4 M	\$119.4 M
	Project	N/A		\$780M - \$1B	\$1B - \$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:				\$220M-\$440M

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	



105 Express Lanes

Safety

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

Updates

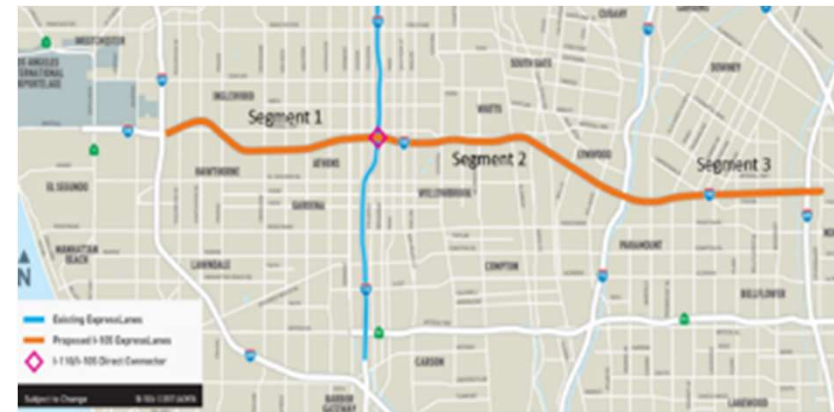
- **Design is 80% complete**
- **Program Management**
 - Traffic and Revenue Study Update is in progress
 - Value engineering effort underway to reduce cost.
 - Equity Assessment is in progress; two meetings held with CBOs
- **Design**
 - Segment 1 design is adopting value engineering strategies to reduce construction cost. This will require Caltrans review and approval which is anticipated by September 2024.
 - 65% design for Seg 2/3 submitted and has received comments from Caltrans. Project team is considering implementing value engineering items to Seg 2/3 to reduce construction cost.
- **Construction Manager/General Contractor (CMGC)**
 - Final OPCC negotiation completed with the CMGC for Seg 1. OPCC price does not reflect sub-contractor package updates yet to be completed.
 - Interface meetings with SEGL and Metro MOW in progress
- **Roadside Toll Collection System (RTCS)**
 - Revisions to the System Detailed Design Document (SDDD) are in progress.
 - System Design Workshops are scheduled to begin in Q1.
 - 35% Designs for Segment 1 are under Metro Review.

Equity

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



Traffic on 105 Freeway Westbound






The Project Map





March 2024 Construction Committee

G Line BRT Improvements

BUDGET	Approved Budget to Date			Previous Period	Current Forecast
	Pre-Construction	\$149.7M*		\$149.7M	\$149.7M
	Project	N/A		\$392-511M	\$488.1-511M**
	Variance from Approved Pre-Construction Budget:			\$0M (0%)	\$0M (0%) 
	Variance from Approved LOP:			N/A	N/A 
	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. **Based implementing value engineering and cost reduction measures shared at the November 2023 Construction Committee Meeting.


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


***Current Forecast is Phase 2 Substantial Completion milestone, Phase 2 baseline schedule is not yet approved.




March 2024 Construction Committee

Los Angeles County Metropolitan Transportation Authority

 On target

 Possible problem (5-10% variance)

 Significant Impact (over 10% variance)

G Line BRT Improvements

Safety

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

Updates

Progressive Design Build Contract

- Continue to pursue scope refinements discussed at November Board to address affordability issues, including ongoing community outreach
- 85% design for Bike Path Improvements complete. 85% Van Nuys design and 60% Sepulveda Grade Separation VE design underway.
- Stormwater Capture design suspended pending scope modification approval from Safe Clean Water Program
- Advancing Gated Intersections Alternative including gates at 13 intersections and traffic signal reservicing at remaining crossings
- Pursuing EWP for 85-100% design and pilot gate

Utility Owner-Performed AURs

- Sepulveda – removal of poles and overhead wires pending PDB contractor installation of new power service
- Vesper – overhead to underground relocation complete
- Sylmar – DWP undergrounding complete. Charter planning to vacate line by end of February 2024

Property Acquisitions

- Value Engineering Alternatives eliminated five of eight 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.



Potholing Restoration on Bessemer St.





Pothole Restoration on Kester Ave




March 2024 Construction Committee

East San Fernando Valley Transit Corridor

BUDGET	Approved Budget to Date*			Previous Period	Current Forecast
	Pre-Construction	\$496.9M		\$496.9M	\$496.9M
	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 has only approved a Pre-Construction Budget to date.

SCHEDULE			Revenue Operation	
	Original	Approved Rebaseline	Previous Period	Current Forecast**
	N/A	N/A	September 2031	September 2031
	Variance from Original:			+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.



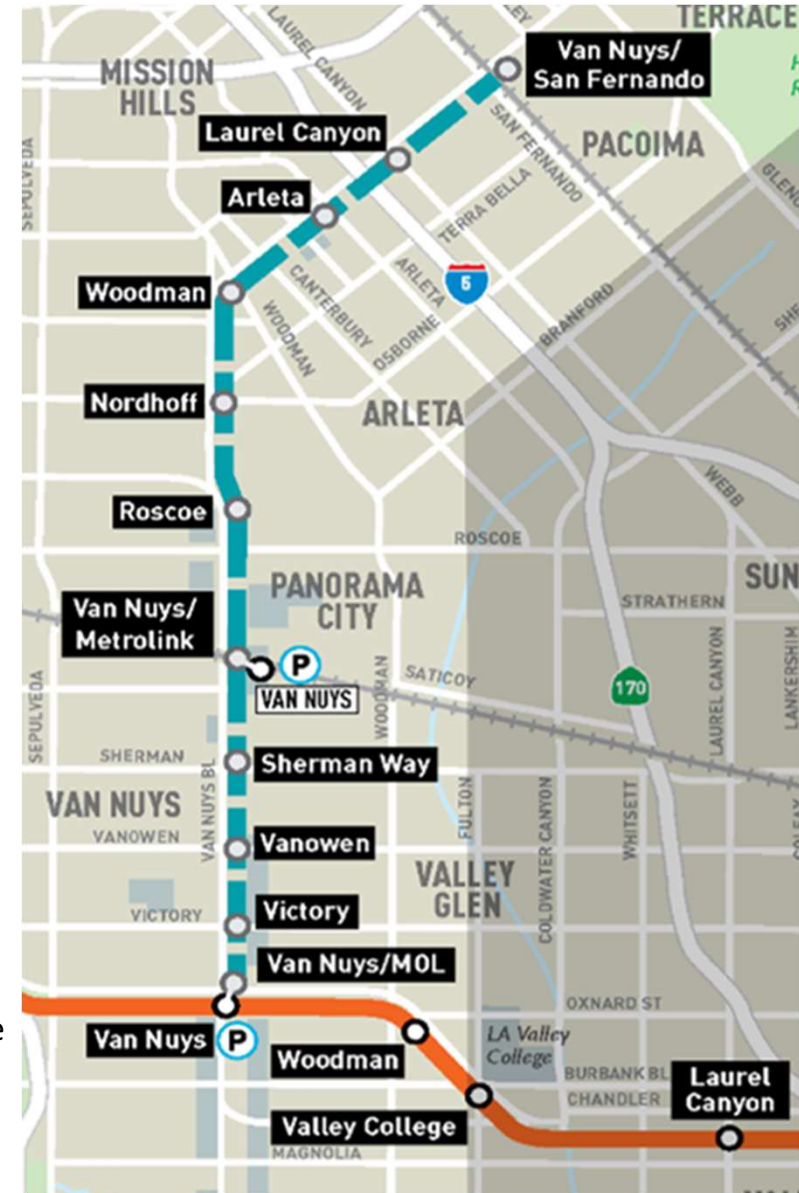
East San Fernando Valley Transit Corridor

Safety

C1220 Hours Worked – 20,810; Recordable Injury Rate: 0 vs. National Average: 2.4



Updates

- **Preliminary Engineering**
 - 60% Utility Composite plans are being finalized
 - Advancing utility adjustment packages to AFC
- **C1220 - Advance Utility Adjustment #1**
 - Project is 94% complete; will be Substantially Complete on March 2024
- **FTA Coordination**
 - FFGA draft application documents submitted on 12/1/23
 - Metro continues to work with FTA to finalize FFGA application
- **Progressive Design-Build Contract**
 - Ongoing negotiations for Early Work Packages (EWPs)
 - EWP-02 – Integrated Project Mgmt. Office contract MOD is being finalized
 - Other EWPs currently under negotiation to be issued this spring:
 - EWP-01 – Early Design Studies
 - EWP-03 – Utility Adjustment Packages 4 & 6
 - EWP-04 – Final Design
- **Real Estate**
 - Acquisition efforts are underway on 16 MSF parcels and 4 TPSS Sites.
 - Offers have been made on 8 MSF properties.
 - Offers under internal review on 2 MSF properties and 1 TPSS site.
 - One MSF parcel in escrow.
- **Light Rail Vehicle (LRV) Acquisition**
 - RFP for LRV procurement consultant was issued in October. Proposals were received in January. Anticipated Award Spring 2024.
- **Equity**
 - 100% of the project is within or adjacent to Equity Focus Communities.





March 2024 Construction Committee

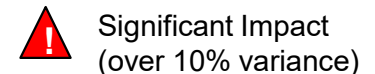
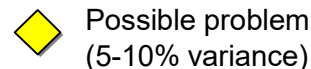
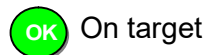
North Hollywood to Pasadena BRT

BUDGET	Approved Budget to Date*			Previous Period	Current Forecast
	Project	N/A		\$263M-386M	\$263M-386M
	Variance from Approved LOP:			N/A	N/A 
	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	Summer 2027	Summer 2027
	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.



North Hollywood to Pasadena BRT

Safety

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

Updates

- EIR Approved April 2022
- PMSS RFP, released July 2023 response received in September 2023
- A&E RFP, released in August 2023 response received in November of 2023
- CM/GC RFP released January 2024, responses expected April 2024

Equity

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



Project Map



View of Vineland Ave / Lankershim Blvd







Operational Projects

- **North San Fernando Transit Corridor Project**

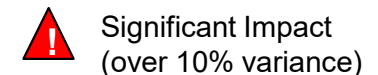
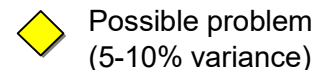
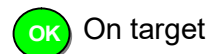


NSFV Transit Corridor Project

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	N/A	Summer 2026
	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**
 - 85% design
 - Installation by City of LA scheduled for June 24
- **All Door Boarding**
 - 200 pilot BMVs testing in Q3-Q4 FY24
 - 2,900 BMVs for delivery and install by end of FY25 (includes 330 for NSFV Project)
- **Bus Bulbs (82 locations)**
 - Preparing scope for design contractor to be completed by end of FY24
 - Design to begin in early FY25
- **5 Key Transfer Locations**
 - Contractor collecting data for design Q4 FY24
 - Design to be finalized and construction to begin in FY25
- **Bus Shelters**
 - Construction and installation agreement for 393 shelters executed 10/2023
 - Installations expected to begin by Q2 FY25 by StreetsLA.
- **Transit Signal Priority (7 Corridors)**
 - 35% design
 - Installation to begin Q2 FY25
 - Completion by Q4 FY25
- **75 Battery Electric Buses + Charging**
 - Included under current ZEB procurement to be issued in Q4 FY24
- **Service Frequency Improvements on Lines 152 (Roscoe) and 166 (Nordhoff)**
 - Begin implementation June 2024 with launch of Roscoe BI Bus Priority Lanes

Equity

- Majority of the project improvements are located within or adjacent to Equity Focus Communities.



Rendering of an improved stop on Nordhoff/Lindley



March 2024 Measure M Committee

Measure M Independent Taxpayer Oversight Committee

Transit Projects Update June 5, 2024

Allison Yoh

Deputy Chief Planning Officer (Interim)



Measure M Transit Projects



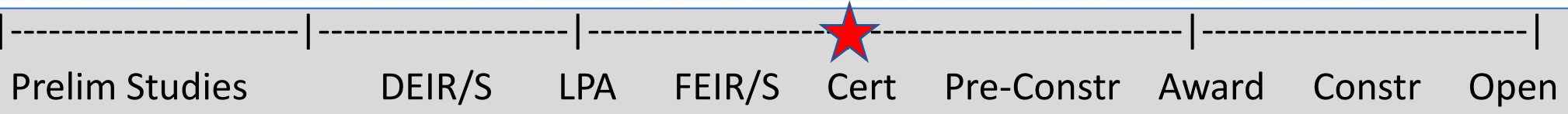
> Major Pillar Projects

- (1) Southeast Gateway Line
- (2) C Line Extension to Torrance
- (3) Sepulveda Transit Corridor
- (4) Eastside Transit Corridor Phase 2

> Other Projects in Planning

- Vermont Transit Corridor
- K Line Northern Extension

Southeast Gateway Line



Current Phase	Most Recent Cost Estimate
EIR Certified EIS per FTA	IOS - \$7.1B (YOES, forecast completion 2035)

Recent Activities

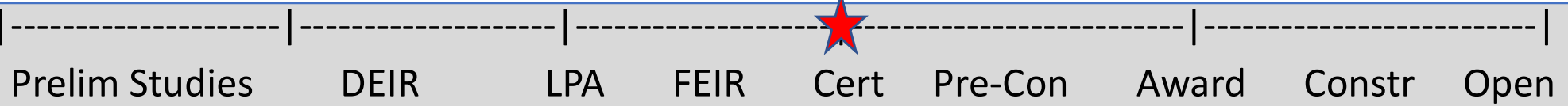
- Feb 2024: UPRR, Ports of Los Angeles/Long Beach, ACTA authorized MOU (now fully executed); Program Management Support Services (PMSS) awarded to WSP
- March 29: Release of Final EIS/R; 30-day public review period
- April 26: Board certification of Final EIR and approval of Project (CEQA action); approval of FLM plan

Next Actions

- Continue monthly coordination with PMOC
- Summer 2024: Record of Decision anticipated from FTA (NEPA action)
- Winter 2024: Completion of New Starts Project Development activities and request to enter Project Engineering



Eastside Transit Corridor Phase 2



Current Phase

Most Recent Cost Estimate

EIR Certified
(NEPA TBD)

IOS - \$7.9B
(2031\$, midpoint of construction)



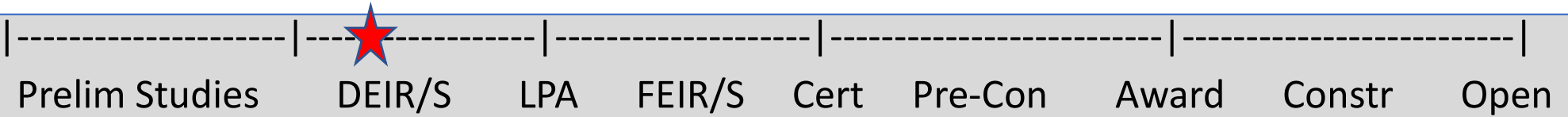
Recent Activities

- Jan-Mar 2024: FLM planning, stakeholder briefings, virtual infrastructure tours, pop-up events, community walk/wheel audits.
- Survey permits secured, Geotech & soil sampling
- April 26: Released Final EIR
- May 23: Board certified EIR (CEQA action, Project approval)

Next Actions

- Continue to coordinate with FTA on NEPA and entry into Project Development phase

Sepulveda Transit Corridor



Current Phase	Most Recent Cost Estimate
EIR	\$5.7B (2015\$)

Recent Activities

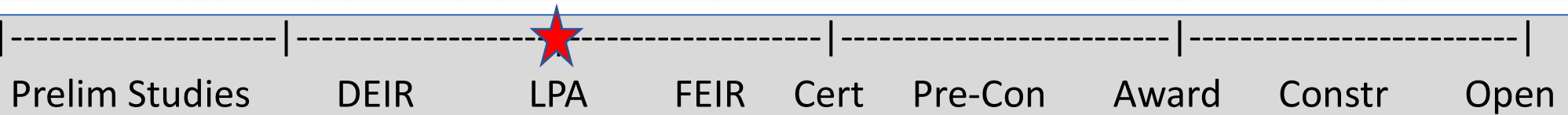
- PDA designs advanced to level sufficient for environmental review
- Environmental technical analysis underway
- Completion of May community meetings
 - 2 in-person in Van Nuys and Westwood
 - 1 virtual

Next Actions

- Continue to complete environmental technical studies
- Draft EIR release anticipated early 2025



C (Green) Line Extension to Torrance



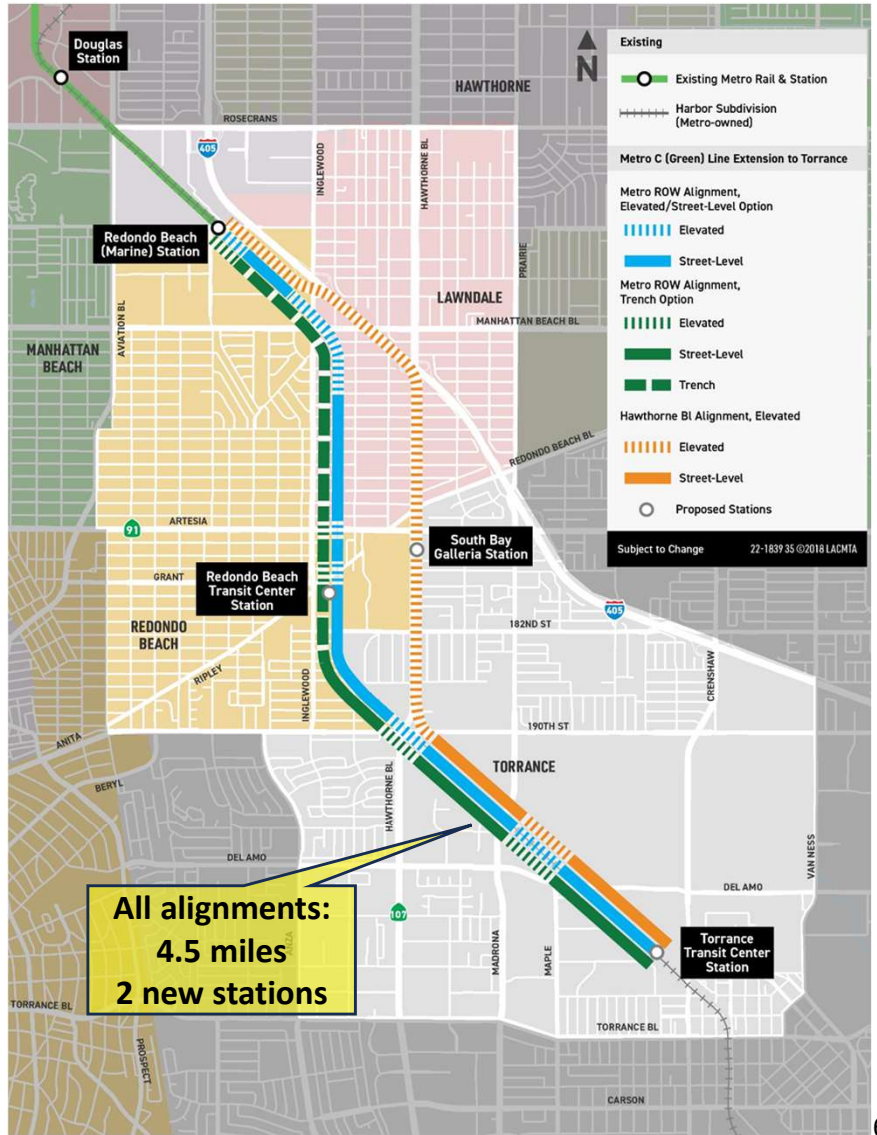
Current Phase	Most Recent Cost Estimate
Final EIR	\$891M (2015\$)

Recent Activities

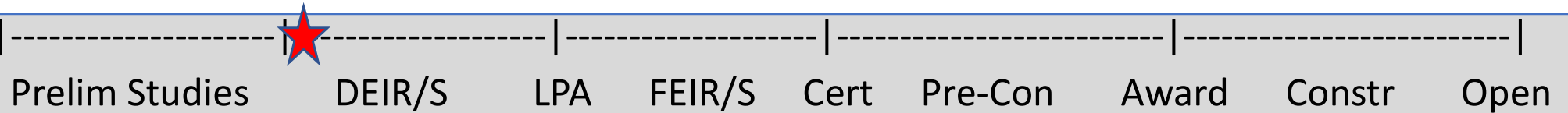
- Sept: Project update to Metro Board Committees: Planning & Programming, Executive Management Committee
- Dec-Jan: Supported Supervisor Mitchell's outreach efforts per November request and validated comments against prior input
- April: Presentation of staff recommended Hybrid option as the Locally Preferred Alternative (LPA)
- May: Board selection of LPA

Next Actions

- June: Request Board approval of contract modification for Final EIR with adopted LPA



Vermont Transit Corridor



Current Phase

Environmental

Most Recent Cost Estimate

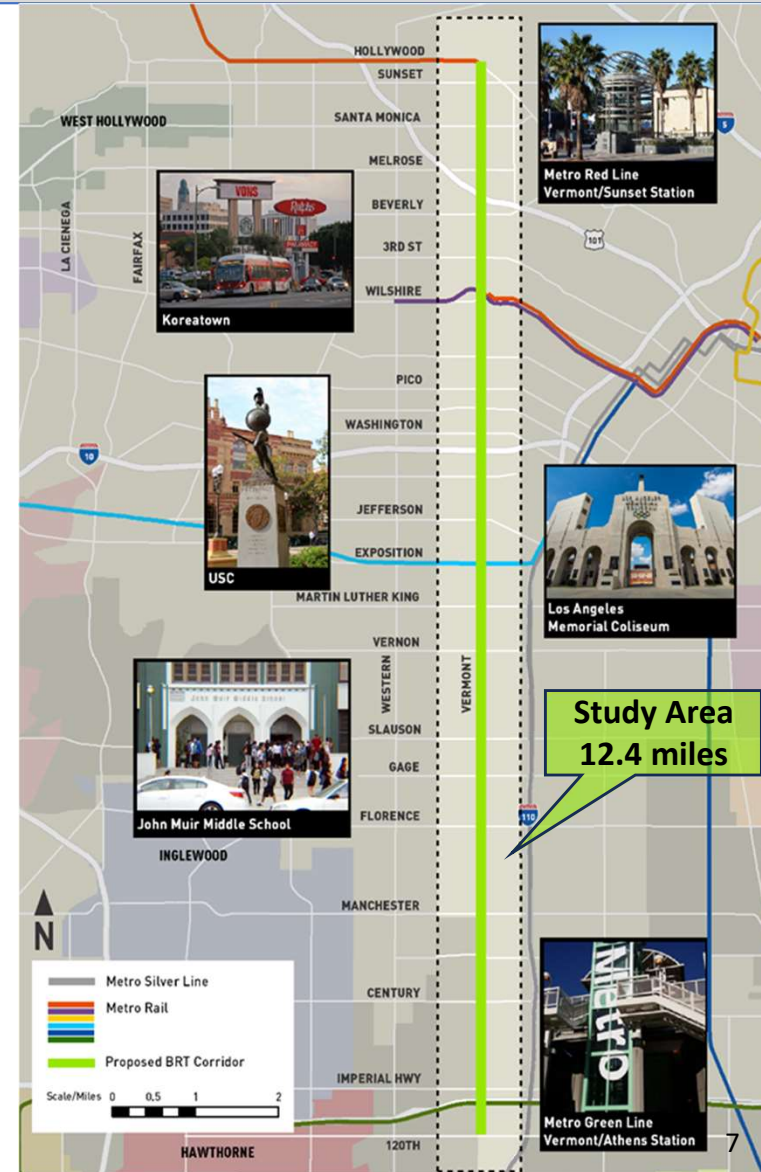
\$425M (2015\$)

Recent Activities

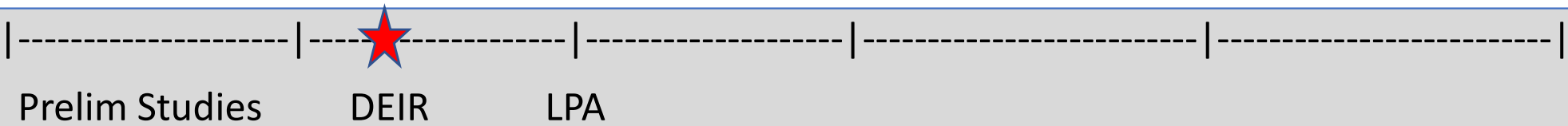
- Metro Operations leading near-term bus service improvements (anticipated Summer 2025)
- Feb/Mar 2024 – Conducted 3 Equity & Cultural Asset Workshops and 4 Community meetings
- Meetings with elected officials, Neighborhood Councils, CBOs, and other key stakeholder
- Early coordination with and involvement by City of LA to deliver BRT elements by 2028
- Design work underway

Next Actions

- Continue planning and design for BRT, informed by CBO/outreach efforts



K Line (Crenshaw) Northern Extension



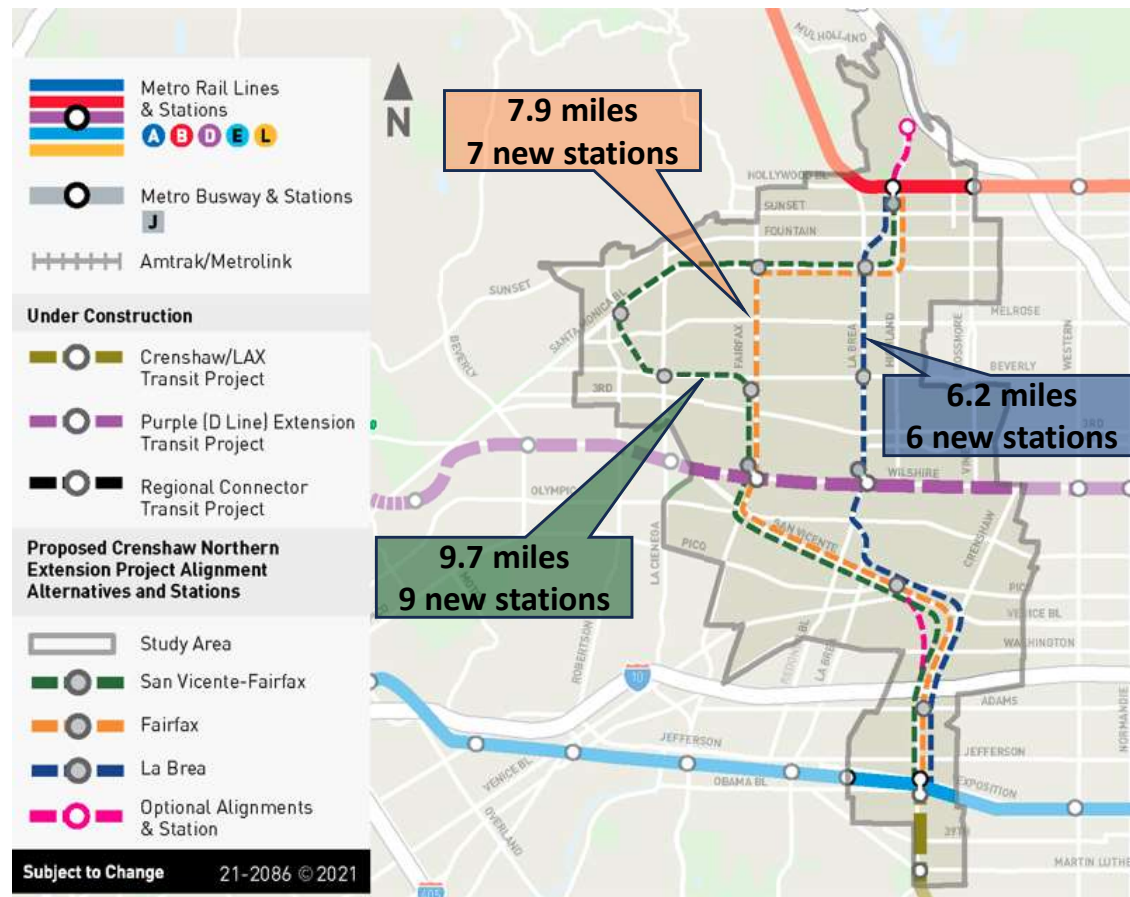
Current Phase	Most Recent Cost Estimate
EIR	\$2.24B (2015\$)

Recent Activities

- Preparation of Draft EIR chapters
- Published 2023 outreach summary and FAQ (website and newsletter)
- Continue to identify cost and funding opportunities, phasing scenarios
- Pop-up events at CicLAvia

Next Actions

- Continue to develop Draft EIR suitable for public release
- Work on strategic funding framework for delivery
- Continue stakeholder engagement



Measure M Independent Taxpayer Oversight Committee

Complete Streets & Highway Project Updates

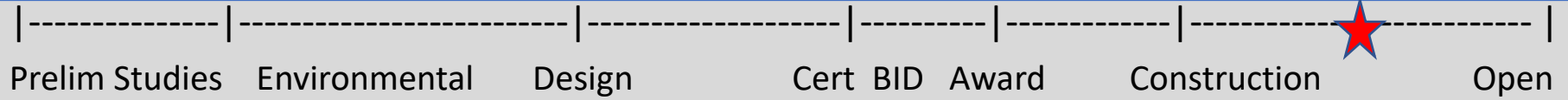
Michelle E. Smith

Executive Officer, Complete Streets & Highways

June 2024

SR-71 South Improvements – Phase 1

(Mission Boulevard to San Bernardino County Line)



Current Phase	Phase Budget	Phase Spent To Date
Construction	\$148.10M	\$68.6M

Expenditures as of 3/31/23

Purpose and Scope

- **Caltrans-managed** construction project that adds one HOV lane and one mixed-flow lane in each direction between Mission Boulevard and the San Bernardino County Line.

Multimodal Elements

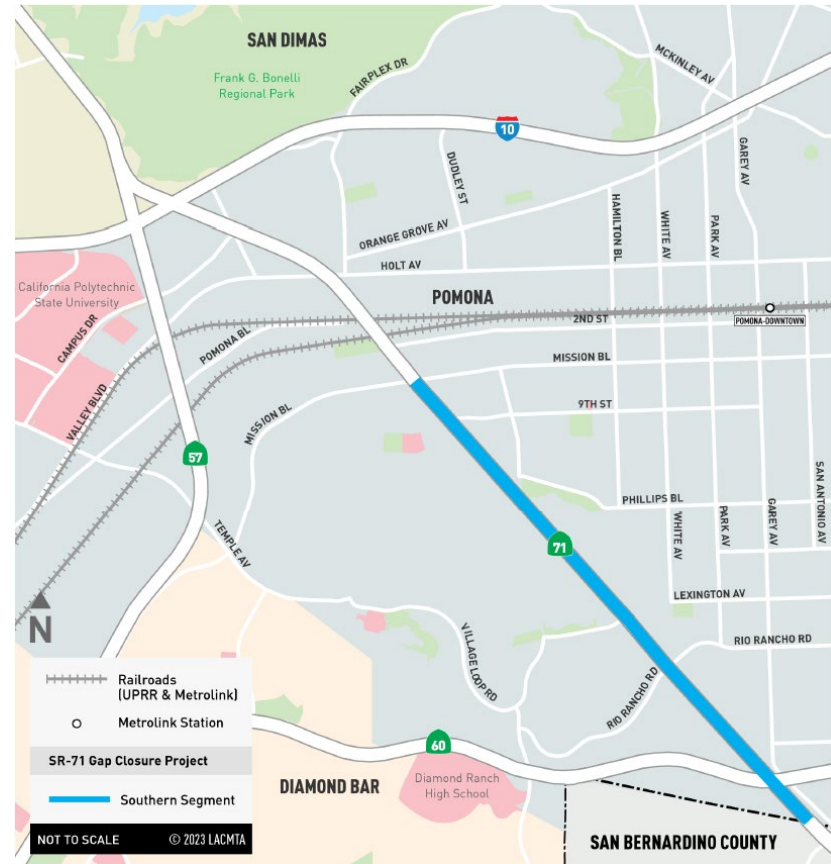
- HOV lanes will encourage carpool, vanpool and transit (bus) usage.

Status

- Construction is 51% complete. Completion (open to traffic) anticipated by end of 2024.
- TCEP* 20-month time extension to be requested to cover construction schedule delays.

Challenges

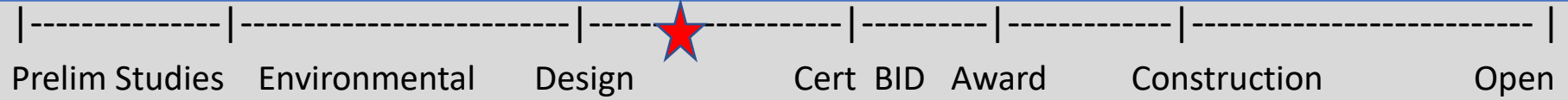
- Construction schedule delays related to soil cohesion testing needed for soil nail retaining wall construction.
- Resolving any outstanding claims.



* TCEP – Trade Corridor Enhancement Program State grant

SR-71 North Improvements – Phase 2

(I-10 to Mission Boulevard)



Current Phase	Phase Budget	Phase Spent To Date
Design	\$40.40M	\$23.0M

Expenditures as of 3/31/23

Purpose and Scope

- **Caltrans-managed design project** upgrades expressway to a freeway by adding 1 HOV lane and an additional mixed-flow lane in each direction to improve mobility, correct operational deficiencies and enhance safety.

Multimodal Elements

- Replace existing structurally deficient non-ADA compliant pedestrian overcrossing for pedestrians and cyclists.
- HOV lanes will encourage carpool, vanpool and transit (bus) usage.

Status

- Environmental Document completed in May 2013. Right-of-Way acquisition is complete except for railroad easements.
- Design phase completion pending Metro provides funding gap (\$10M) for Caltrans.
- Pursuing future grant opportunities to close the construction funding gap estimated to be \$140M.



Challenges

- Utility and railroad coordination could delay schedule.



SR-57/SR-60 Interchange Improvements



Current Phase	Phase Budget	Phase Spent To Date
Construction	\$296.4M	\$41.9M

Expenditures as of 3/31/23

Purpose and Scope

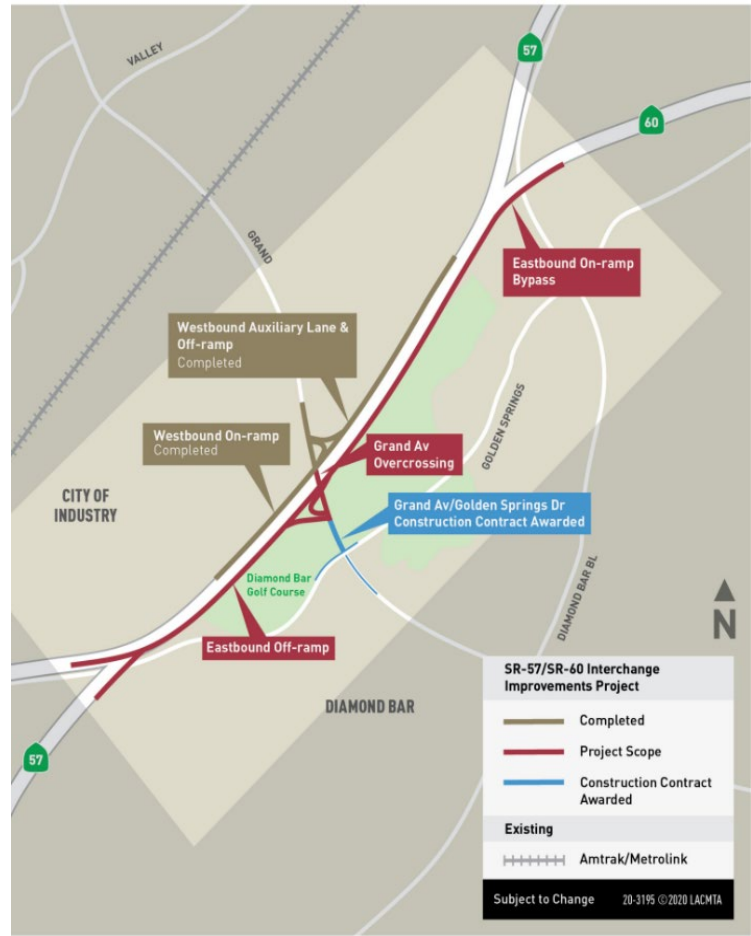
- Major operational/safety improvements including grade separation of Grand Ave eastbound off-ramp.
- Construction led by the San Gabriel Valley COG** with Metro and Caltrans oversight.

Multimodal Elements

- Project includes improvements to local bridge, sidewalk and bicycle facilities.

Status

- Initiated construction activities as scheduled.
- Ground Re-Opening for the Diamond Bar Gold Course was held on April 20, 2024.
- Construction completion projected in Summer 2028.



I-405 South Bay Curve Improvements (I-110 to Wilmington Avenue – Auxiliary Lanes)



Prelim Studies

Environmental

Design

Cert BID

Award

Construction

Open

Purpose and Scope

- Improve safety and operations by reducing freeway conflicts at high congestion on and off ramp locations.
- Provide northbound and southbound auxiliary lane improvements between freeway on/off ramps within Caltrans Right-of-Way to reduce collisions (rear end, sideswipe, broadside) attributed to existing weaving/lane change conflicts.
- **Metro leading environmental phase.**

Multimodal Elements

- Project will include ramp termini improvements (e.g., continental crosswalks, leading pedestrian intervals, bike boxes, etc.)

Status

- Environmental phase started in September 2023 and is expected to be completed in early 2027.

Challenges

- Consensus on VMT analysis
- Construction phase is not fully funded.



I-405 South Bay Curve Improvements (I-105 to Artesia Boulevard- Auxiliary Lanes)



Purpose and Scope

- Improve safety and operations by reducing freeway conflicts at high congestion on/off ramp locations.
- Provide northbound and southbound auxiliary lane improvements between freeway on/off ramps within Caltrans Right-of-Way to reduce collisions (rear end, sideswipe, broadside) attributed to existing weaving/lane change conflicts.
- **Metro leading design phase.**

Multimodal Elements

- Pedestrian/bicycle facilities and transit stops to be studied.
- High visibility crosswalks, pedestrian flashing beacons, and cyclist signage.

Status

- Environmental Document completed and approved.
- Anticipated 95% design submittal by Summer 2024.

Challenges

- Construction phase is not fully funded.



SR-14 Safety Improvements – North County

(Newhall Avenue Undercrossing to Pearblossom Highway)



Prelim Studies

Environmental

Design

Cert BID Award

Construction

Open

Purpose and Scope

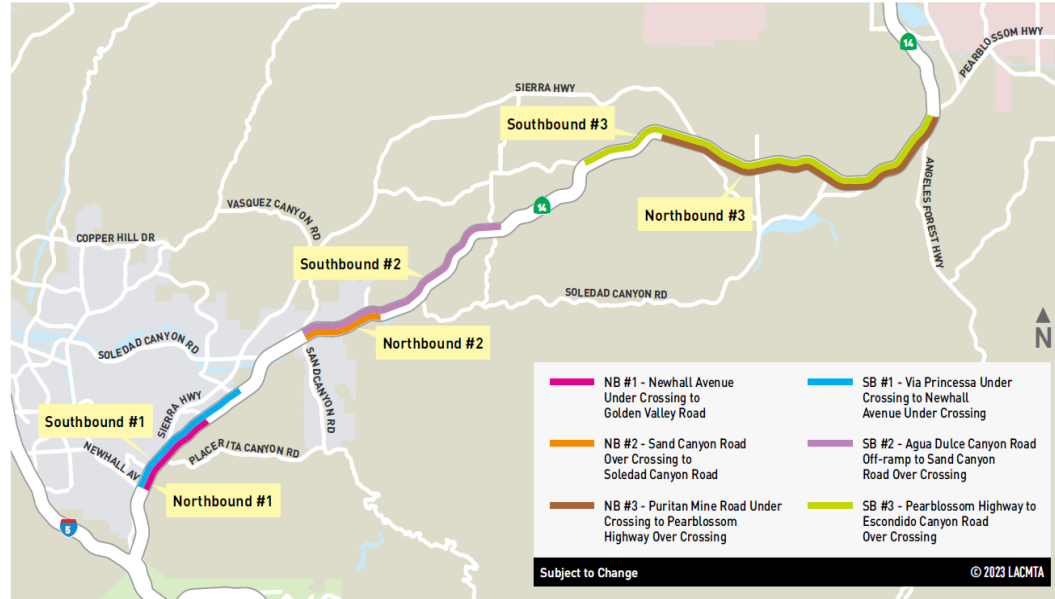
- Evaluate lane reconfigurations where there are gaps, ramp realignments and structural (bridge) widenings, retaining wall construction and drainage modifications.
- Address traffic safety concerns that exceed statewide average incident rates.
- Improve safety, address geometric deficiencies and VMT goals, and minimize impacts to human, physical and biological environments.
- **Metro leading environmental phase.**

Multimodal Elements

- Environmental document to evaluate multimodal elements (commuter rail, bike, pedestrian improvements).

Status

- Environmental phase underway and expected to be completed in Summer 2026.



Challenges

- Consensus on VMT analysis and potential mitigation required.