



We're improving speeds and safety
on the G Line.

G LINE (ORANGE) IMPROVEMENTS PROJECT

Community Update
Meeting

May 11 & 15, 2024



Thank you for joining us today!



Metro

Interpretación en español / Spanish Interpretation



Bienvenidos / Welcome

- Interpretación en español disponible
- Spanish Interpretation Available

Housekeeping



This is a webinar. Attendee cameras are off, and microphones are muted.

Este es un seminario web. Las cámaras de los asistentes están apagadas y los micrófonos silenciados.



Submit your questions by using the Q&A feature

Envíe sus preguntas utilizando la función de preguntas y respuestas



This meeting is being recorded. Video file will be posted on our website at metro.net/orangeline

Esta reunión será grabada. El archivo de video se publicará en nuestro sitio web en metro.net/orangeline

Safety Onboard

Metro's multilayered public safety ecosystem addresses crime, assists those in need and improves the customer experience

To learn more, go to:

metro.net/riding/safety-security/



metro.net/security

We're here to help.

Estamos aquí para ayudar.



TAP Blue Shirts

Answer your questions about fare and help you with purchasing and using TAP cards.

Personal de TAP de camisas azules

Responden a sus preguntas sobre las tarifas y ayudan con la compra y el uso de las tarjetas TAP.

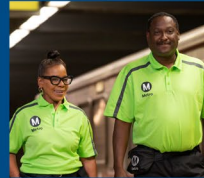


Metro Transit Security Officers (TSOs)

Enforce Metro Code of Conduct, including fare compliance.

Agentes de seguridad de tránsito de Metro

Hacer cumplir el Código de conducta de Metro, incluido el cumplimiento de tarifas.



Metro Ambassadors

Support you during your journey, connect you to resources and report any maintenance or safety issues.

Metro Ambassadors

Lo apoyan durante su viaje, lo conectan con recursos e informan sobre cualquier problema de mantenimiento o seguridad.



Law Enforcement

Patrol Metro stations, trains and buses to prevent and address crime.

Cuerpo policial

Patrullan estaciones de Metro, trenes y autobuses para prevenir y combatir el crimen.



HOME Teams

Multidisciplinary Homeless Outreach and Engagement teams link unhoused riders to social services and housing solutions.

Equipos HOME

Los equipos multidisciplinarios de atención a las personas sin hogar ponen en contacto a los pasajeros sin hogar con los servicios sociales y las soluciones de vivienda.



Contracted Security

Safeguard Metro stations and divisions and support other security needs.

Seguridad contratada

Protegen las estaciones y divisiones de Metro y apoyan otras necesidades de seguridad.



Download the *Transit Watch* app today.
Descargue la aplicación *Transit Watch* hoy.



A yellow speech bubble with rounded corners and a tail pointing towards the bottom right. The words "THANK YOU" are cut out of the bubble in a bold, blue, sans-serif font. The background is a solid, textured blue color.

THANK YOU

Agenda

Welcome and Introductions
Measure M & R Transit Projects in San Fernando Valley
Background

Annette Cortez, Construction
Relations Senior Director

Project Overview
Project Scope Refinements
Bike Path Detour
Bus Detour

Annalisa Murphy, Project Manager

Community Outreach Update
Next Steps

Annette Cortez, Construction
Relations Senior Director

Q & A

Karen Swift, Community Relations
Director



Measure M and R Transit Projects

San Fernando Valley Projects

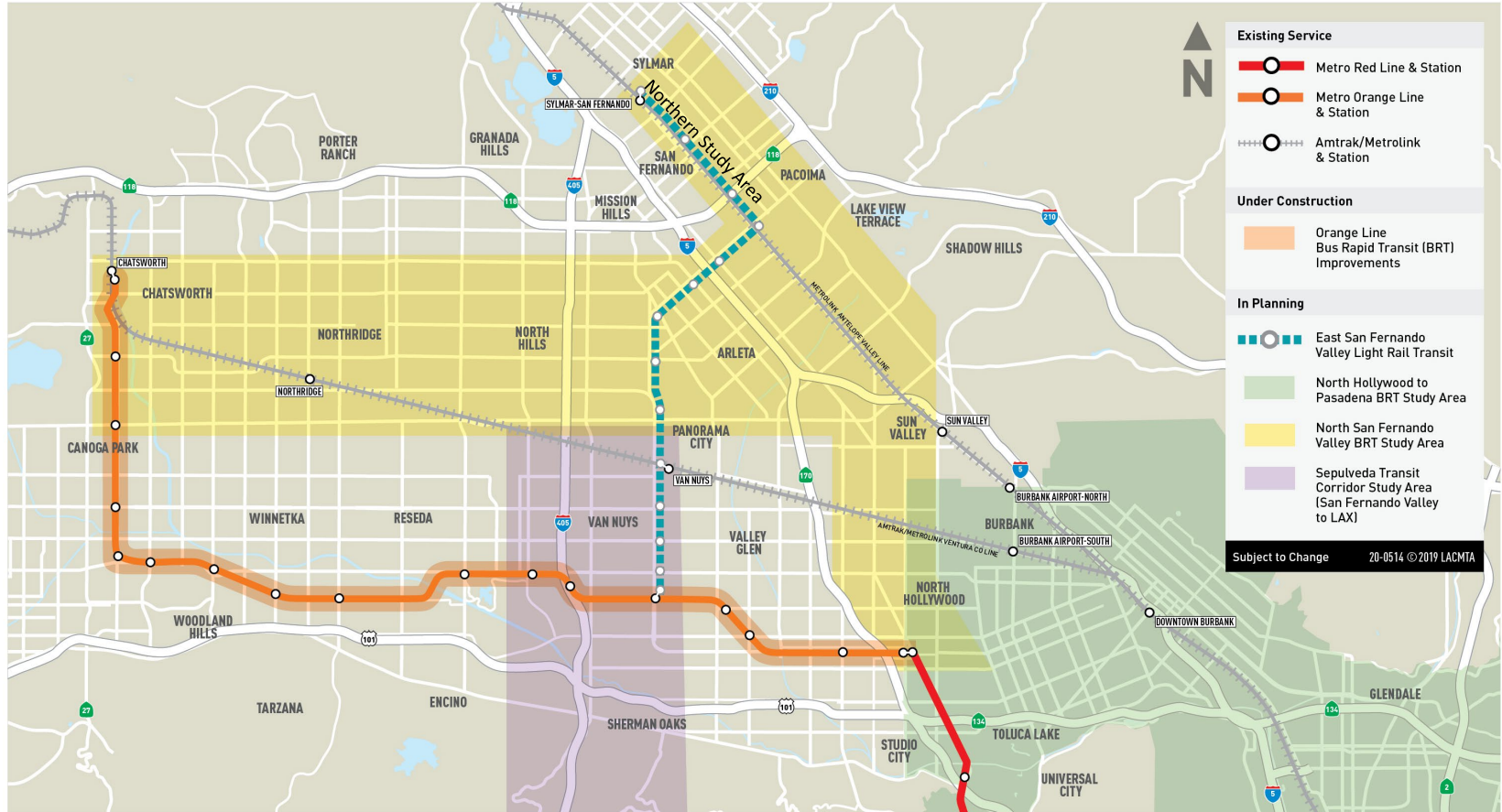
Projects

1. G Line (Orange) Bus Rapid Transit Improvements Project
2. Sepulveda Pass Transit Corridor (Ph 1)
3. Sepulveda Pass Transit Corridor (Ph 2)
4. East San Fernando Valley Light Rail Transit Project
5. Bus Rapid Transit Connector Orange/Red Line to Gold Line
6. Complete LA River Bike Path*
7. North San Fernando Valley Bus Rapid Transit
8. I-5 Capacity Enhancements from SR-134 to SR-170

*Metro funding only.

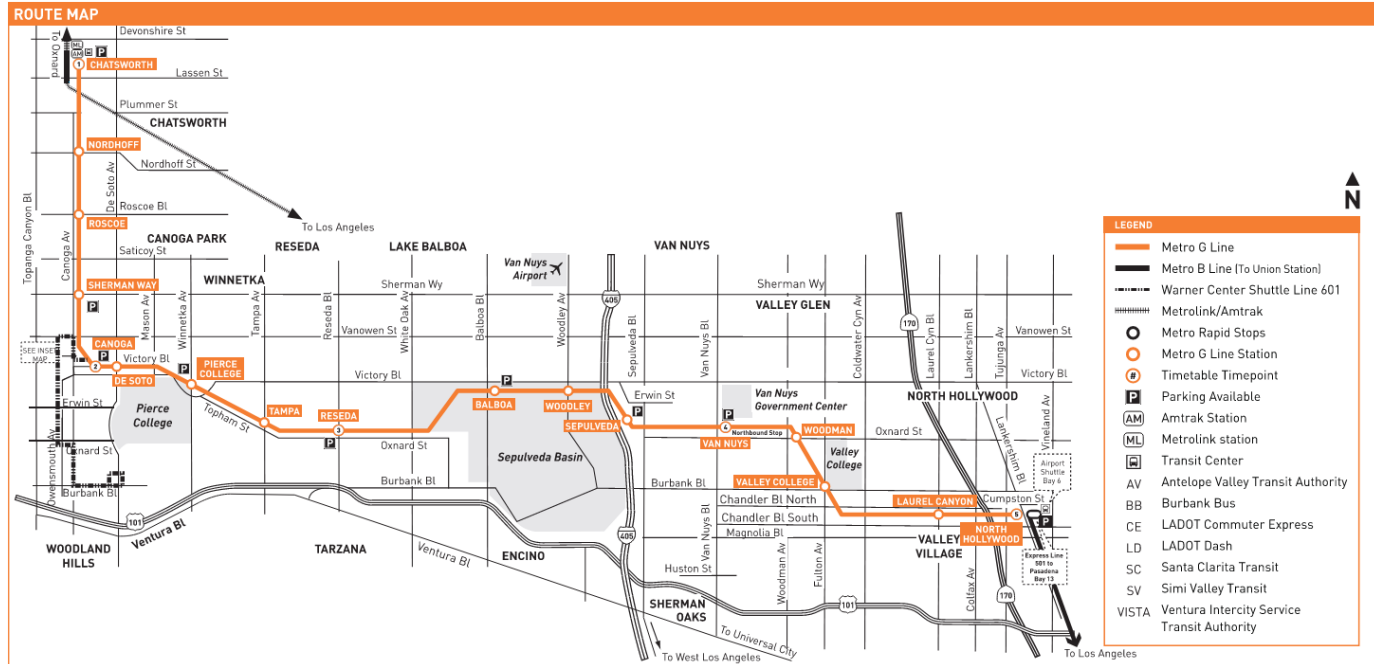


Measure M Transit Projects in San Fernando Valley



Background G Line Bus Rapid Transit Line

- Bus Rapid Transit line in operations since 2005
- Battery electric zero emission buses
- 18 miles from Chatsworth to North Hollywood
- 17 Stations
- 2016 identified for funding in Measure M by the Metro Board



Project Overview

The Project objectives are to enhance

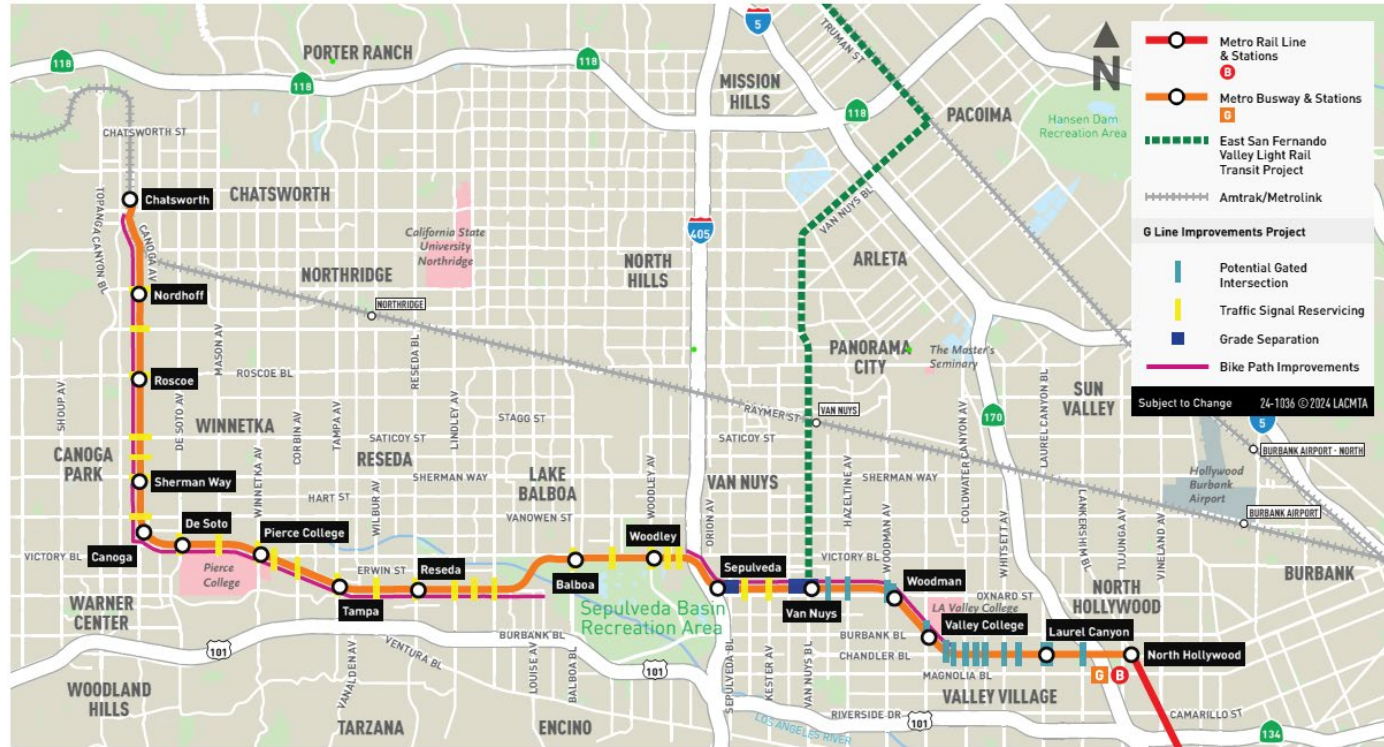
- Safety
- Speed
- Reliability
- Transit Connectivity



Project Overview

Project Improvements

- Gating at 13 crossings and traffic signal prioritization/reservicing at remaining intersections
- Grade separations at Van Nuys Bl, Sepulveda Bl and Vesper Av
- Aerial Station at Van Nuys Bl
- Bike Path Improvements



Schedule

WE
ARE
HERE

2016

2017

2018

2019

2020

2021

2022

2023

2024

2025

2026

- ❖ **06/2016** G Line (formerly Orange Line) BRT Improvements identified for funding in Measure M

12/2017 – 03/2021
Preliminary Engineering

- ❖ **01/2018** Metro applied for SB-1 Grant Funding

- ❖ **07/2018** Metro Board determination that Project is Statutorily Exempt, pursuant to CEQA

11/2018 – 6/2024
Right of Way Property Acquisition

03/2020 – 06/2024
Advanced Utility Relocations (By Utility Owner)

- ❖ **11/2022** Progressive Design Build Contract Notice to Proceed (NTP)

11/2022 – 09/2024
Phase I: Design & Preconstruction

04/2024 – 12/2026
Phase II: Final Design, Const./Testing

- ❖ **08/2024 Anticipated Const. Start**
- ❖ **2027 Measure M Opening Date**



Progressive Design Build Contract (PDB)

Planning

Preliminary
Engineering

PDB Contractor
Selection

Phase 1
Design & Pre-
Construction Services

WE
ARE
HERE

Phase 2
Final Design and
Construction

- PDB delivery method is a collaborative process between Metro, PDB (contractor and designer), and Third Parties (City of LA, DWP, County, etc.)
- PDB delivery method brings the contractor and their designer into the project early to allow for discussion of innovative and value engineering ideas
- Once Metro and the PDB reach an agreement on scope and cost, they will work with Metro and Third Parties to advance the design further and then proceed with major construction



Value Engineering (Refinements)

Project Improvements	Original Scope	Value Engineering (Current Scope)
Grade Separations	Grade separated busway structures over: 1. Sepulveda Bl 2. Van Nuys Bl 3. Vesper Av	No Change
Stations	Van Nuys and Sepulveda Stations reconstructed on the new bridge structure.	Van Nuys station reconstructed on the new bridge structure. Sepulveda station to remain in its current location with improved bike/pedestrian access and amenities.
Gated Intersections	Four-quadrant gates at up to 35 at-grade crossings between the North Hollywood and Chatsworth Stations.	Four-quadrant gates at 13 intersections between Colfax Av and Tyrone Ave Traffic Signal Reservice (TSR) proposed at remaining intersections.
Bike Path Improvements	A new elevated Class I bike path separated over Van Nuys Bl and Sepulveda Bl.	At-grade bicycle and pedestrian improvements along 14 miles of existing Class I bike path from Chatsworth to Valley College Stations.

Van Nuys BI Grade Separation



Conceptual rendering; subject to change

Bike Path Improvements

- Resurfacing
- Striping
- Bike Locker
- Bike Parking
- Lighting
- Signage
- Fencing



Current: San Fernando Road Bike Path

Gated Intersections



- 1. Four Quadrant Gate System with Flashing Lights and Bells
- 2. Raised Median
- 3. Pedestrian/Bicyclist Crosswalk Gates

Pilot Gate

Why	Railroad-type gates are common for rail crossings but are a novel application for BRT. New technology must be developed for controlling gates for busway operation.
What	Pilot gate tested loop-based activation technology on a gate system constructed to mimic a signalized intersection. Pilot gate test site will be available for the PDB contractor to test alternative gate activation technology.
Where	G Line Hayvenhurst pedestrian crossing
When	Loop-based gate activation testing: September - November 2021 GPS-based gate activation testing: TBD, anticipated Winter '24/'25



Hayvenhurst Pedestrian Crossing
Aerial



Hayvenhurst Pedestrian Crossing

Traffic Signal Reservicing (TSR)



More green lights for buses

- Allows for more frequent transit priority
- Extends the traffic signal phase favoring the priority (bus) direction of travel
- Inserts the bus phase after the current or next available phase
- The project is investigating other signal modifications to improve safety, like more predominant no right turn on red signals

Safety Benefits

Existing Conditions (North Hollywood to Chatsworth)

- Right-turn-on-red violations
- Lefts in front of the busway
- 3 collisions in 2023

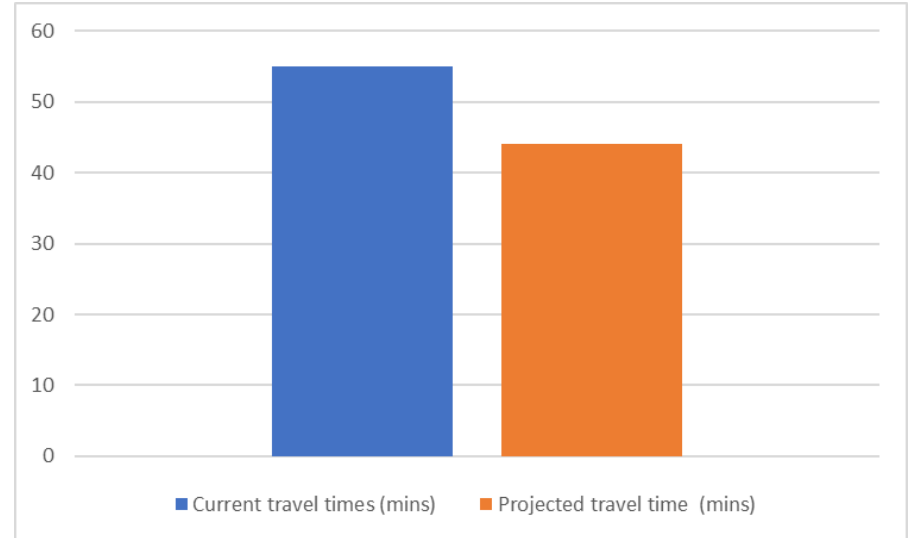
Gates + Grade Separations at Van Nuys, Vesper and Sepulveda

- Avoids left-turn-on-red violations along Chandler
- Reduces the risk of collisions



Traffic Impact Analysis based on current scope

- An updated analysis of 2022 traffic conditions was conducted to determine projected transit travel time savings, which resulted in anticipated 12 minutes end-to-end travel time reduction.
- Analysis was also conducted to determine overall traffic impacts near G Line intersections.
- Analysis utilized to consider potential traffic mitigations.



Gates + TSR (PM Peak) 2027: 5 minute headways



- 23 of 42 analyzed intersections are significantly impacted by the Project, per LADOT “significant” traffic impact thresholds
- 33 intersections (78%) are projected to operate at LOS D or better
- 9 Intersections at LOS E/F.

Traffic Mitigation Measures

- Signal Phasing Modifications
- Street Reconfigurations
- Additional mitigation measures to be considered based on:
 - Pilot gate
 - Innovative technology for gate activation system



Current and Upcoming Construction Activities

Work performed to date:

- Pre-construction field work:
 - Utility investigation
 - Site surveying
 - Soil investigation
- Advanced Utility Relocations performed (DWP, Charter, Verizon, AT&T)
- Pilot Gate Testing



Geotech Infiltration Testing

Upcoming construction activity:

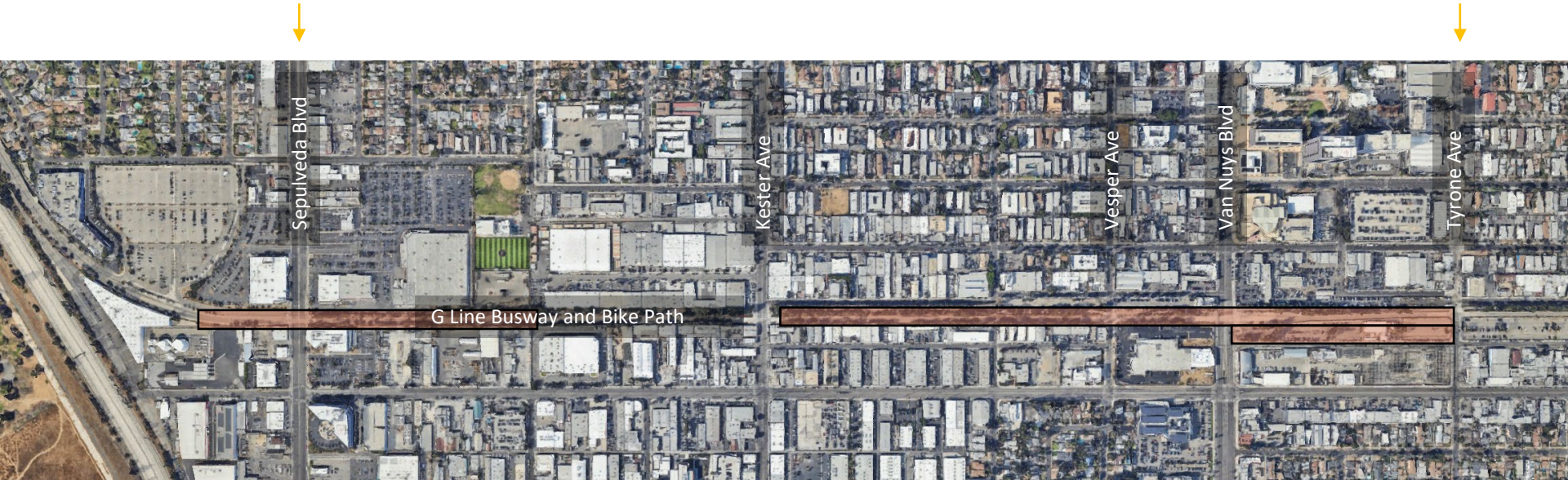
- Grade separation (bridge) construction
- Bus and bike detours
- Continue Pilot Gate Testing

*Utility Owner-Performed
Advanced Utility Relocation*



Van Nuys Bl Bridge and Grade Separation Construction

Construction between Sepulveda Bl and Tyrone Av



Bike Path Detour

G Line Bike Path Detour Route

- Initial bike detour route to be implemented due to construction near aerial bridge construction area
- In coordination with LADOT and Los Angeles City Council Districts.
- Initial detour to be implemented in summer 2024 for approximately 3 years
- Proposed detour is the most direct route back onto the existing bike path
- Proposed detour route contains lighter and slower vehicular traffic
- Existing 4-way traffic control at intersections support safety along the bike route



Bike Path Detour

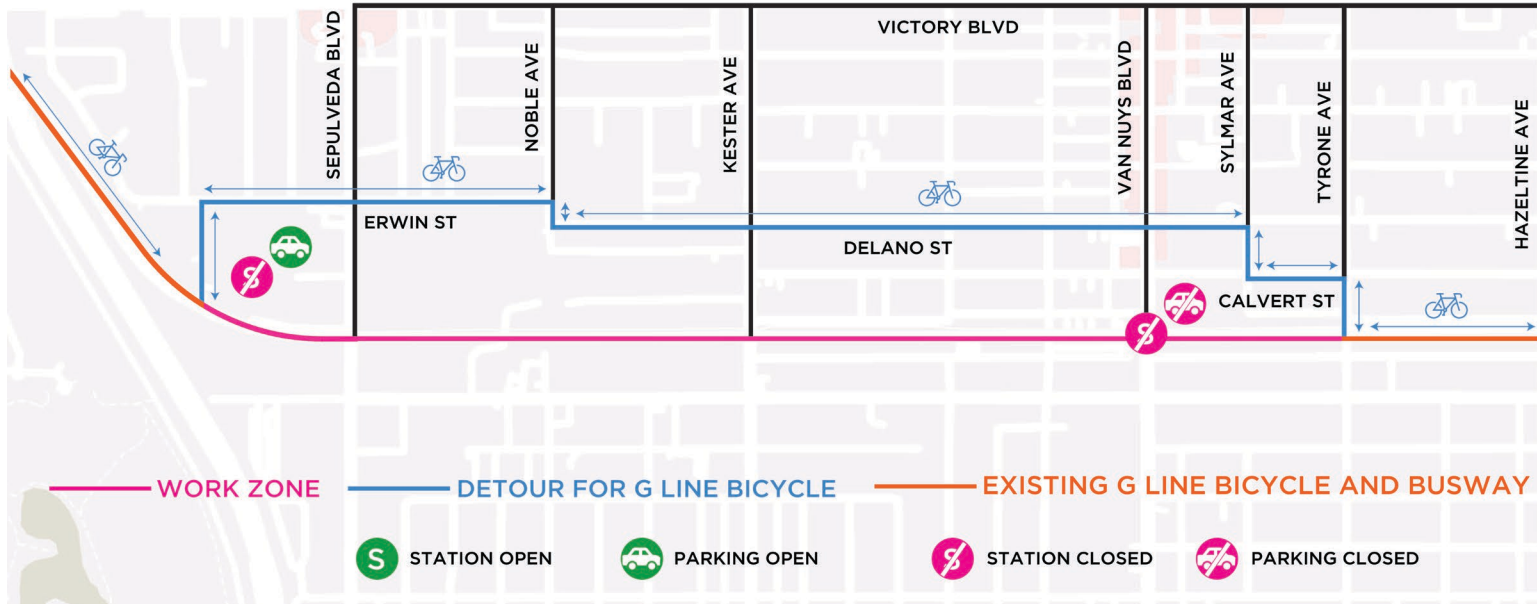
Bike Path Detour Safety Measures

- All turns or crossings are located at all-way stops or signalized intersections
- Stop Bars/Crosswalks will be refreshed
- Sharrows will be added to the local streets
- Detour signs will be installed along the detour
- Shorter route will be used when feasible



Bike Path Detour

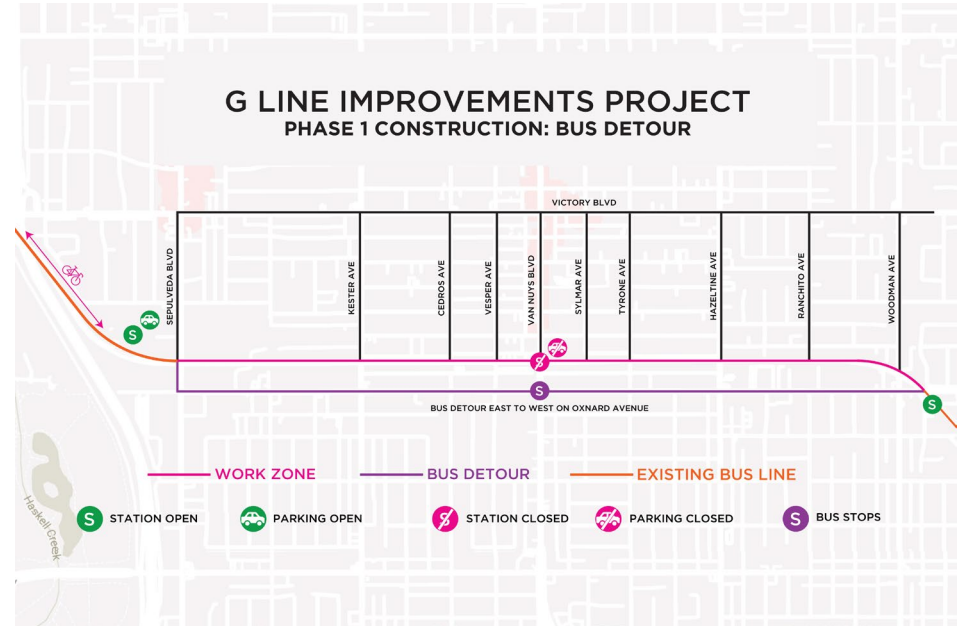
G LINE IMPROVEMENTS PROJECT PHASE 2 BRIDGE CONSTRUCTION: BIKE DETOUR



Oxnard Av Bus Detour

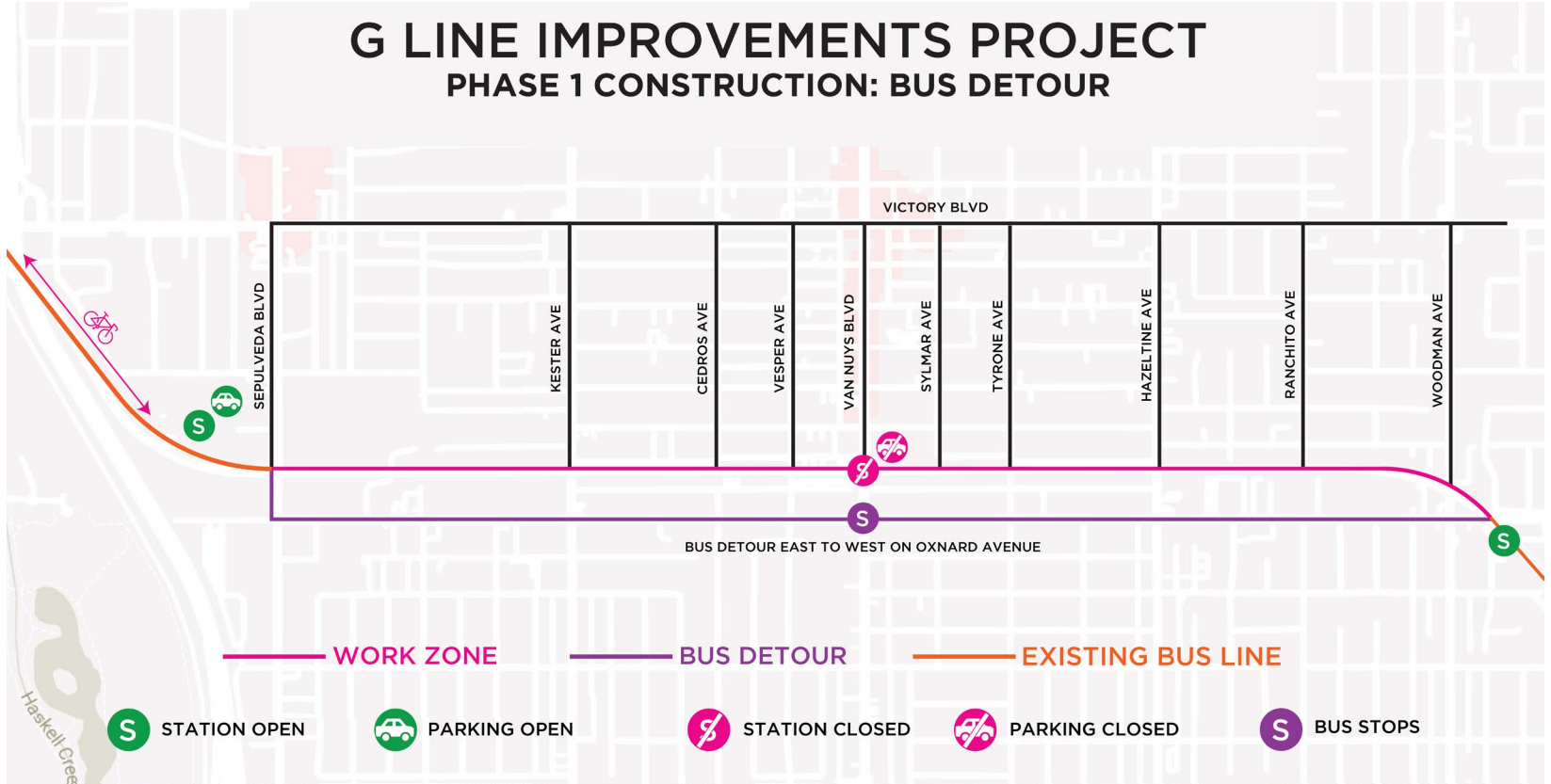
G Line Bus Detour Route

- Bus route impacted due to construction in the vicinity of bridges/overhead structures
- Detour implementation anticipated in Fall 2024
- Phased detour to minimize disruption
 - Van Nuys Station Closed (Approximately 3 years)
 - Sepulveda Station Closed (Approximately 1 ½ years)
- Proposed detour is the most direct route back onto the busway
- Proposed route would provide less transit travel delays relative to other routes



Oxnard Av Bus Detour

G LINE IMPROVEMENTS PROJECT PHASE 1 CONSTRUCTION: BUS DETOUR



Community Outreach

Ongoing Community Outreach: Outreach efforts have included informing stakeholders of upcoming G Line improvements, project updates, and recent scope refinements.

- Community Engagement Activities:
 - Van Nuys Neighborhood Council
 - Balboa Neighborhood Council
 - Victory Park Neighborhood
- Area Business Associations
 - Valley Industry and Commerce Association (VICA)
 - Chatsworth Porter Ranch Chamber of Commerce



Ready For Reseda Event



Community Outreach

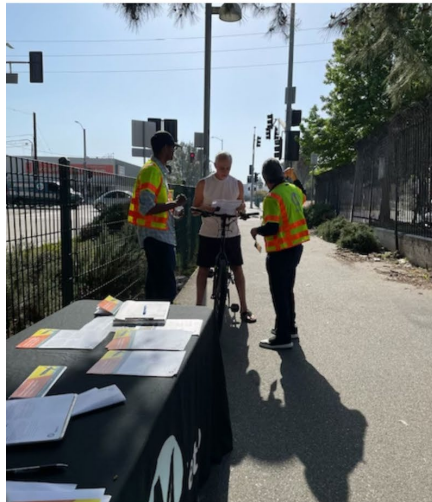
- Los Angeles City Council Offices Briefings
- Community Events/Tabling Opportunities
 - Ready for Reseda
 - Sepulveda station pop up
 - Bike Path pop up
 - Rising for Reseda
- Community Update Meetings
 - May 11, 2024, Van Nuys
 - May 15, 2024, ZOOM
 - 30K meeting notices distributed



CicLAmini – North Hollywood

Next Steps

- Ongoing Community Outreach
- Ongoing coordination with LA Department of Transportation and City Council Staff.
- Bike Detour, Summer 2024
- Bus Detour, Fall 2024
- Van Nuys BI Grade Separation Construction, Fall 2024



How to Submit Questions Today



Submit your questions by using the Q&A feature

Envíe sus preguntas utilizando la función de preguntas y respuestas

Thank you for joining us!

Please stay connected!



Q&A



Metro

Stay connected to this project.



213.922.2999



orangeline@metro.net



metro.net/orangeline