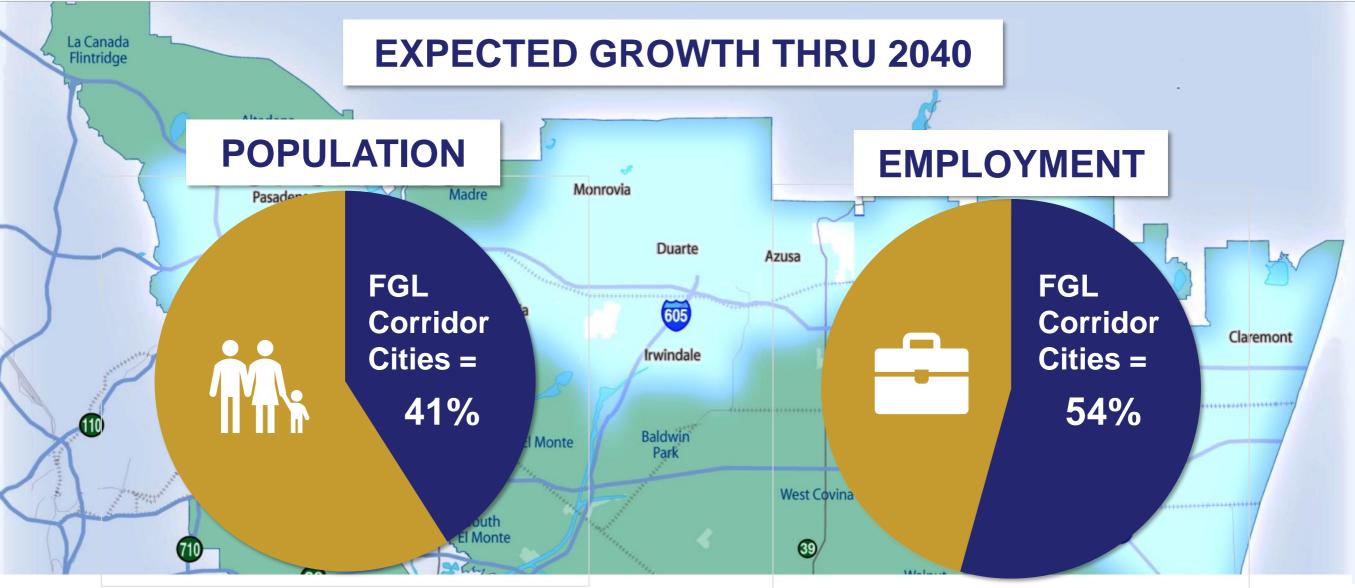


- Los Angeles County's population will grow by 16% to 11.5 million by 2040.
- During that same period, the San Gabriel Valley will grow by 11.4% to more than two million.
- The Foothill Gold Line cities will take on the majority of San Gabriel Valley's (SGV) expected growth.



## San Gabriel Valley's Expected Growth thru 2040



- Foothill Gold Line cities are growing faster than the SGV as a whole and taking on the majority of growth in the subregion:
  - > 41% of all SGV population growth
  - > 54% of all SGV job growth



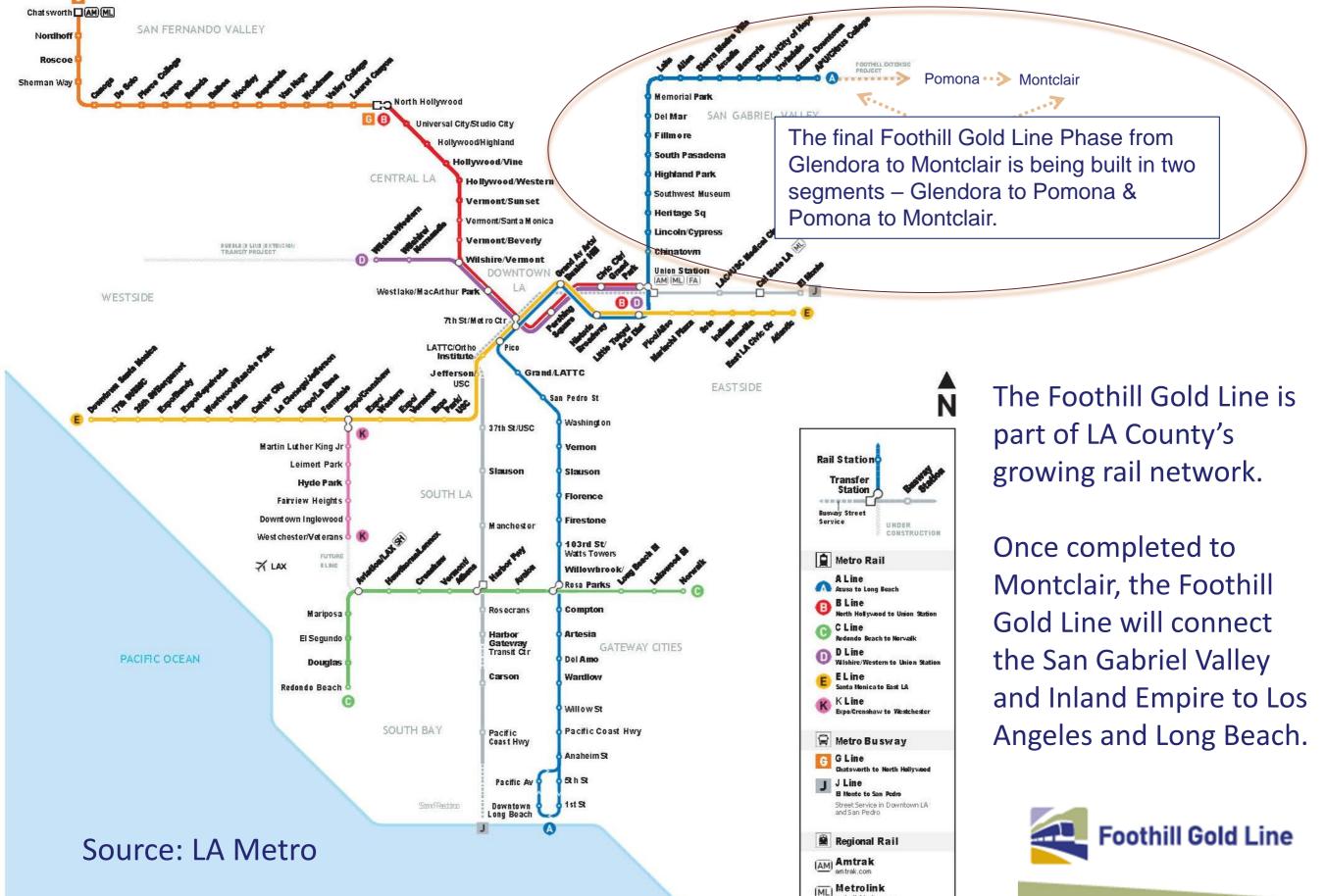
## **Nearly Three Million Trips Each Day**



Of the 2.8 million trips taking place each day within and around the Foothill Gold Line corridor, **nearly all are by car -** only 3% are by transit.



## Foothill Gold Line's 25-Stations are Nearly Complete



## **Building Light Rail**





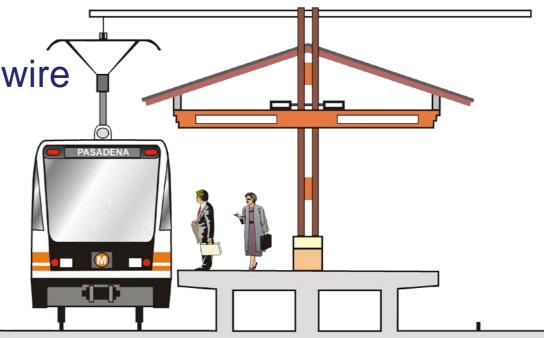
Passenger rail cars operate on steel tracks

Trains are electrically-powered by overhead wire

 Vehicles may operate in single-car or multi-car trains/stations are planned to handle three-car trains

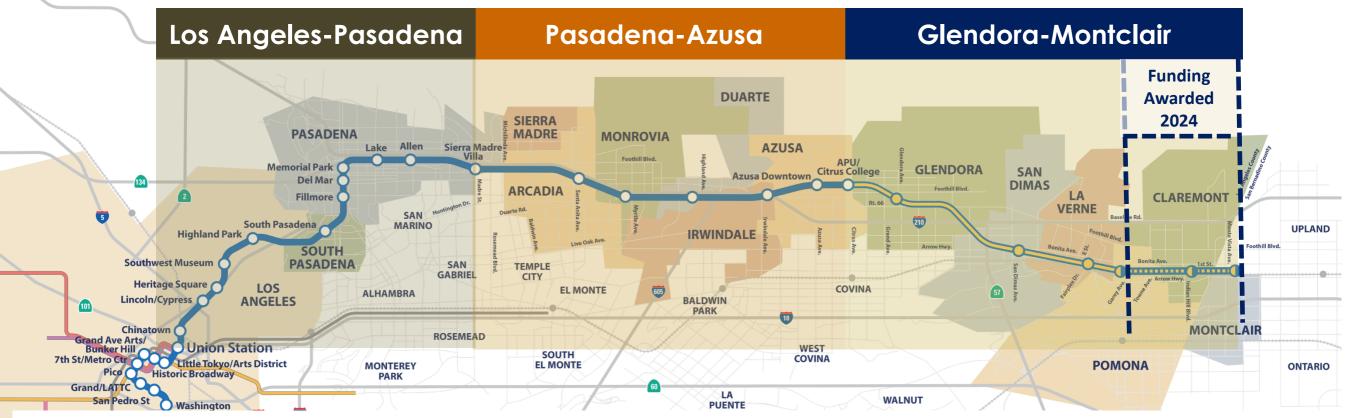
Top speeds - 55 miles per hour

 Three-car trains hold up to 200 passengers per car (sitting and standing)





#### Gold Line's 4 Phases = \$4 Billion Investment



23 of 25 planned Foothill Gold Line stations are complete or under construction now; two final stations remain.

- Los Angeles to Pasadena Completed On Time/Under Budget (2003)
  - 13.7 Miles, 3 Cities, 13 Stations
- Pasadena to Azusa Completed On Time/Under Budget (2015)
  - 11.5 Miles, 5 Cities, 6 Stations
- Glendora to Pomona Completed On Time/Under Budget (2025)
  - 9 Miles, 4 Cities, 4 Stations
- Pomona to Montclair Final Project Segment (Funding Awarded 2024/Procurement Underway)
  - 3.3 Miles, 3 Cities, 2 Counties, 2 Stations

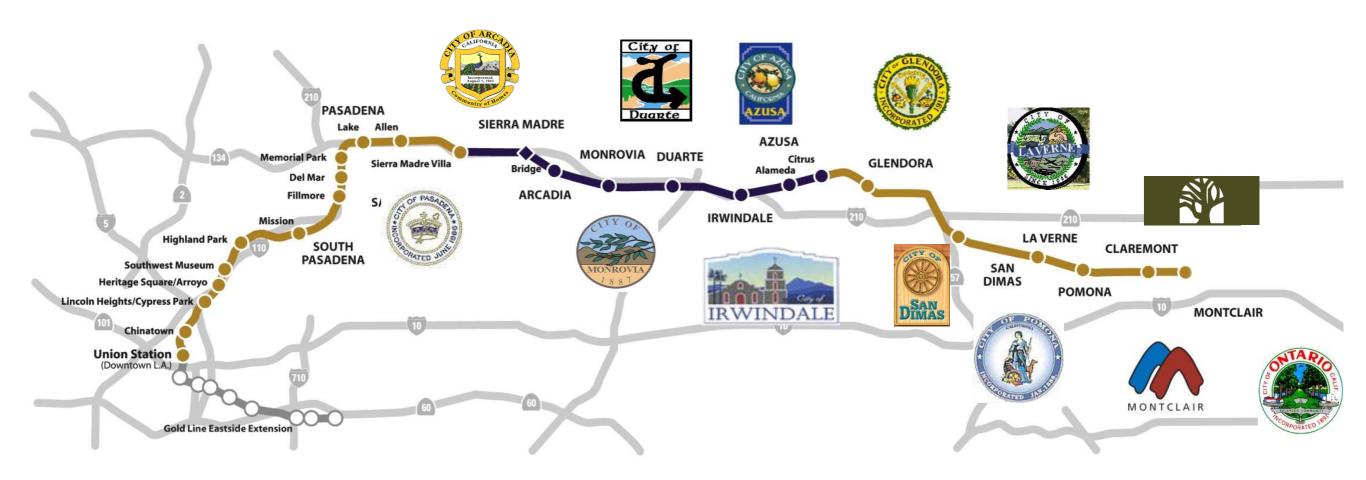


A Line Stations



#### **Construction Authority**

- Construction Authority was created by state legislation in 1998 to plan, design and build the Metro Gold Line from Union Station east to Montclair (updated in 2011)
- Enabling legislation provides all necessary powers to complete the project
- Construction Authority is overseen by board of directors
- Since 2003, board of directors has received feedback from all corridor cities through Joint Powers Authority and Technical Advisory Committee





## **Construction Authority Board of Directors**



Chair – Ed Reece SGVCOG Rep.



Vice Chair - Mendell Thompson City of So. Pasadena Rep.



Tim Sandoval LA Metro Rep.



Tim Hepburn City of Pasadena Rep.



Dan Evans
City of So. Pasadena Rep.
(Non-Voting)



John Dutrey SBCTA Rep. (Non-Voting)



Gene Masuda
City of Pasadena Rep.
(Non-Voting)

There are currently two vacancies on the board – the City of Los Angeles's representative (voting) and the Governor's representative (non-voting).

## **Project Partnerships**

- Construction Authority is a <u>separate</u> agency from LA County Metro
- Construction Authority works closely with Metro:
  - Roles and responsibilities formalized in Master Cooperative Agreement
  - Construction Authority builds the project per Metro's design and safety specifications
  - Both agencies play a role in project safety, planning and education
- Metrolink/SCRRA is a partnering agency on the project; Metrolink is a separate agency from the Construction Authority and Metro
- Cities are project partners
  - Roles/responsibilities of cities on the project are established in the individual Master Cooperative Agreements (MCAs); approved by each city in 2015
- SBCTA is a project partner (final project segment)
  - Roles/responsibilities to be established in MOU (under development now)



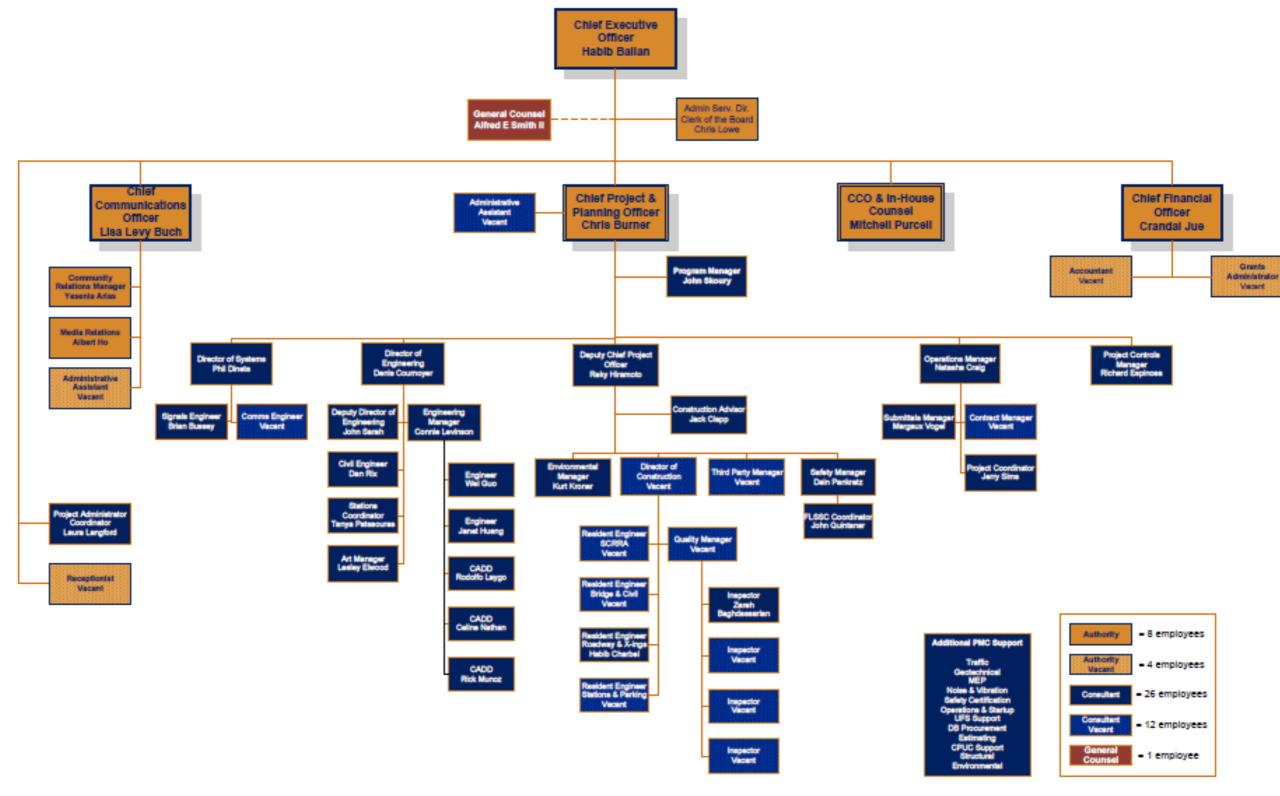
## Supported by Program Management Consultant

Scope of Work (including, but not limited to):

- Engineering and Design Management
- Construction Management
- Systems Design and Construction Management
- Third-Party Management
- Change Management
- Project Control
- Document Control
- CPUC and Safety
- Environmental Monitoring
- Operations Planning and Analysis
  - Current contract is with Hill International



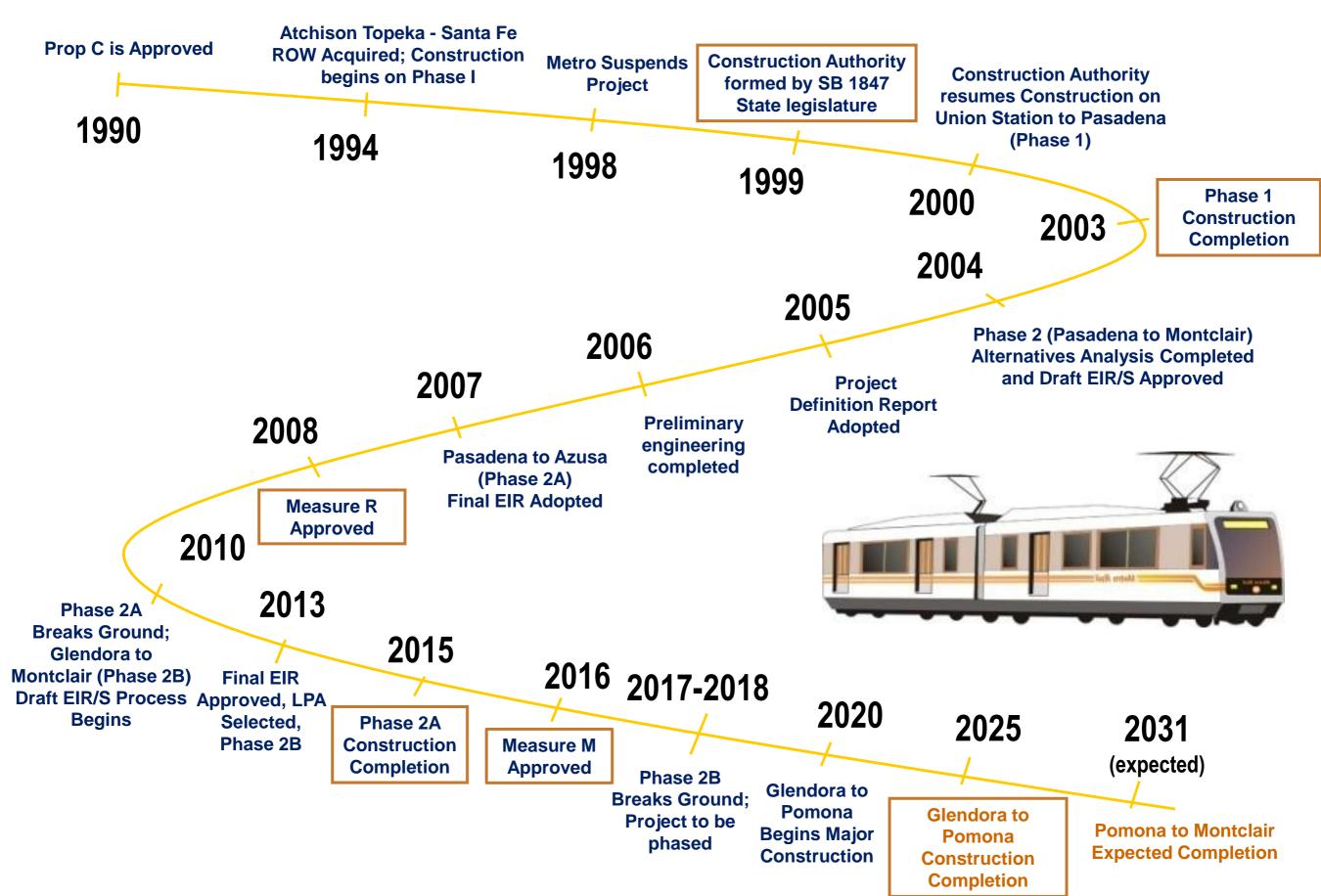
## Staffing at Peak Construction







## The Foothill Gold Line Journey Began in 1990



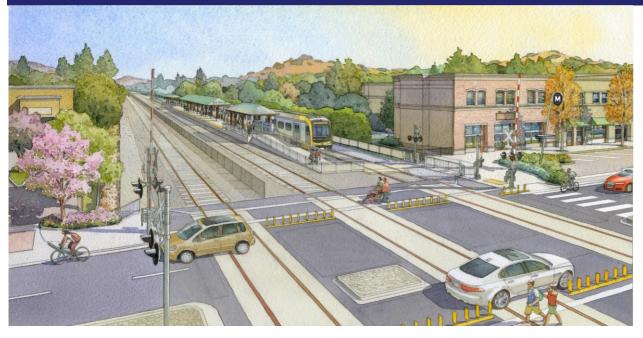
#### **New Gold Line Stations**

#### **Glendora Station**





#### **San Dimas Station**







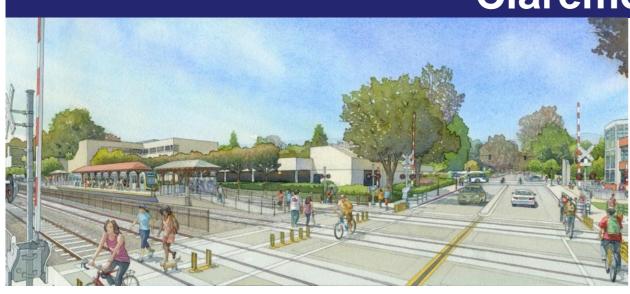
#### **New Gold Line Stations**





#### **Future Stations**

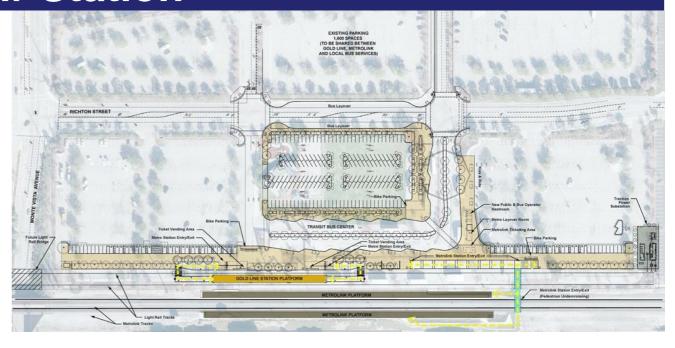






#### **Montclair Station**











**Broke Ground - December 2017** 



#### First Two Contracts Complete





In 2018, W.A. Rasic Construction Co. completed a dozen utility relocation and utility protection projects along the project corridor.

In 2019, Mass Electric Co. completed the pole elimination project, which made room for the light rail system by moving underground communication lines for the freight system that will share the rail corridor.



## **Design-Build Contract Signed**



The contract award was for 9-mile, four-station Glendora to Pomona project segment. Segment from Pomona to Montclair was included as a contract option, if gap funding was secured by October 2021.

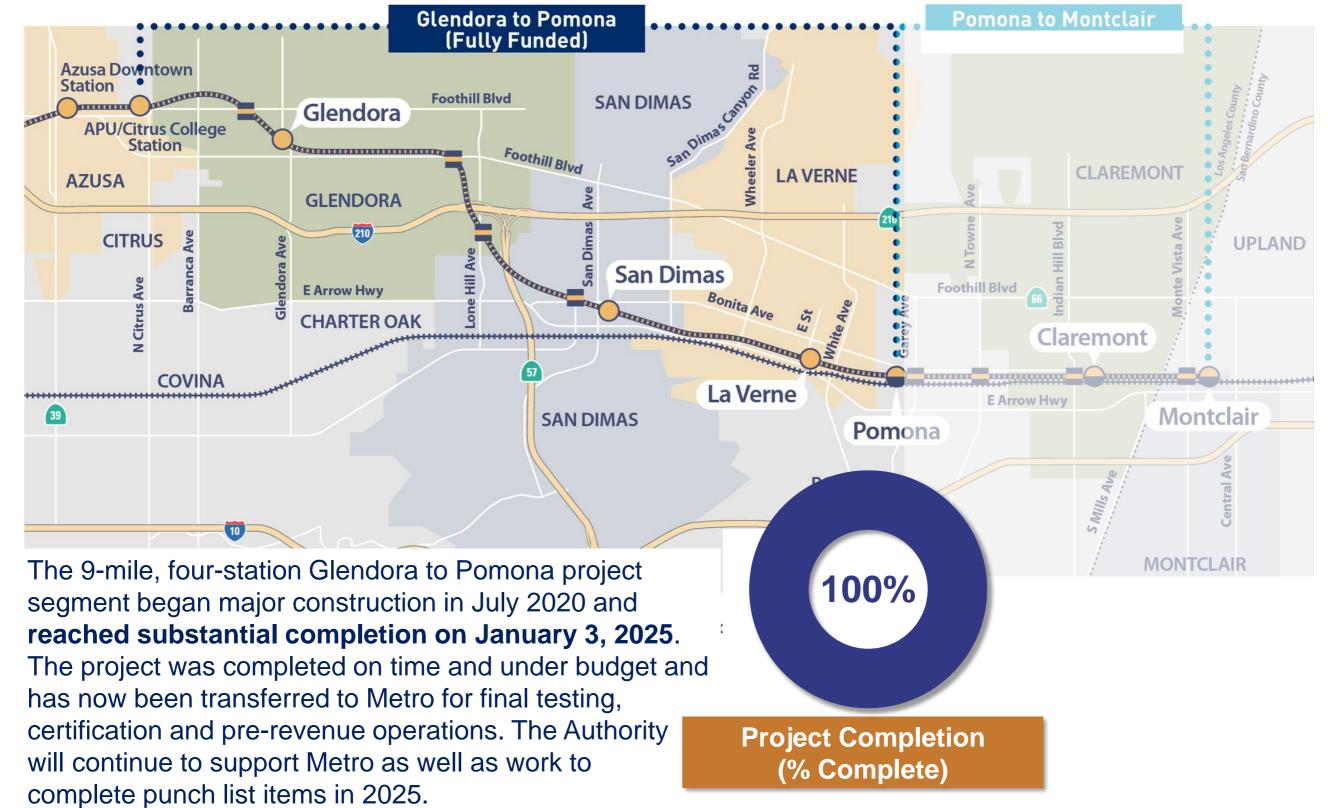


#### Glendora to Pomona Project Overview

- 9.1 miles of light rail track (mostly at grade)
- Track is generally within existing, owned right of way
- Overhead electric wires above tracks power trains
- Rail corridor is 100% shared with BNSF (tracks are NOT shared)
- Four new stations (Glendora, San Dimas, La Verne, and Pomona)
- New Pomona Station will provide pedestrian access to/from the Pomona North Metrolink Station

- 21 at-grade (street level) crossings
- 19 New/Renovated Bridges
- 9 Traction Power Supply Substations within or adjacent to the right of way, located 1.0 to 1.5 miles apart
- Pedestrian access from both sides of station platforms at all stations
- Four intermodal parking facilities with bike parking, EV spaces, drop-off and shuttle/bus zones; all to be surface lots

## Glendora to Pomona Project Segment





## **Construction Elements – All Complete**

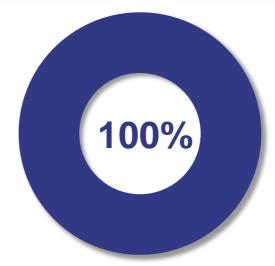
9.1 miles of Freight Track Relocated







19 New or Renovated Bridges Complete

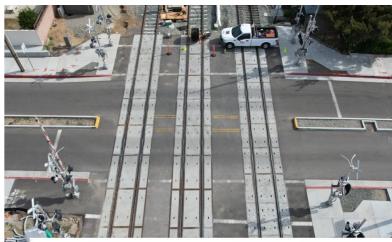






21 At-Grade Crossings Reconstructed

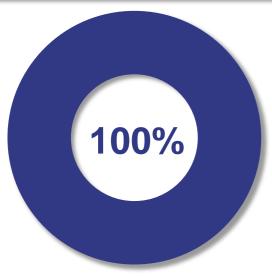




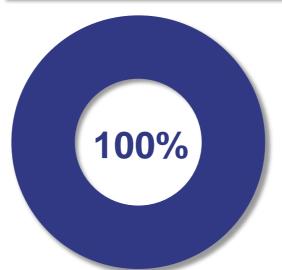


## **Light Rail System – All Complete**

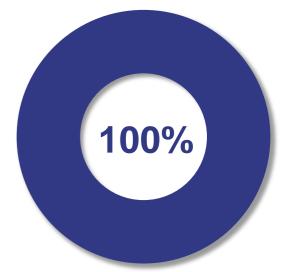
9.1-miles of Light Rail Track Installed



**Light Rail Power and Train Contol Systems Installed** 









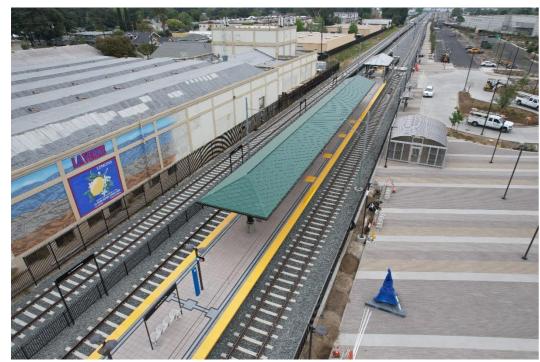




## **Four New Stations Complete**



Glendora



La Verne/Fairplex



San Dimas



Pomona North



#### **Station Artwork**

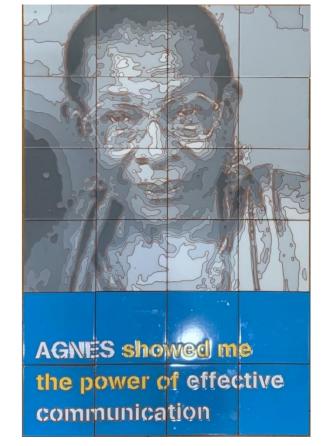














#### **Project has Transitioned to Metro**





- Project was transitioned to Metro in early February 2025; Construction Authority and KPJV support Metro in preparations for Revenue Operations
- Metro completed safety and hazard drills with local first responders
- Metro operators and service personnel are being trained and certified
- Metro will operate simulated revenue service in advance of Revenue Operations (expected to start in July)
- Metro will announce when passenger service will begin (expected in August)



# **Testing and Startup Schedule**

Alignment LFAT Testing	Nov 2023 – Aug 2024
Parking Lot LFAT Testing	June 2024 – Dec 2024
SIT 1 Alignment and Parking	June 2024 – Dec 2024 V
SIT 2 (Metro's Control Center)	Nov 2024 – June 2025
Emergency Training and Drills	Mar 2024 – May 2025
Substantial Completion	Jan 2025
Metro Pre-revenue and Startup Activities	Jan 2025 – ROD







#### Pomona to Montclair Project Segment



- The 3.3-mile, two-station Pomona to Montclair project segment is receiving \$798 million of new state funding for Los Angeles County. Metro approved a funding agreement amendment with the Construction Authority at their October 2024 board meeting.
- San Bernardino County is responsible for funding their portion of the project and has set aside \$80 million in state and local funding.
- These funds will be utilized for all project costs, including design, construction, administrative costs for Construction Authority and third-party coordination, purchasing light rail trains, etc.



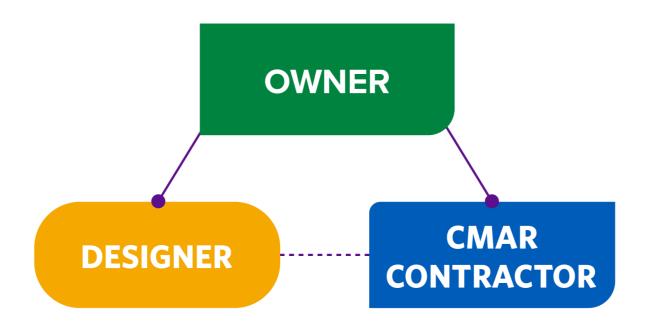
## **Design-Build Procurement Cancelled**

	Highest Independent Cost Estimate	Kiewit's Initial Price (ref)	Kiewit's BAFO	Kiewit's BAFO Above ICE	Kiewit's Percentage Above ICE
L.A. County	\$553,339,522	\$830,729,000	\$823,342,327	\$270,002,805	49%
S.B. County	\$92,241,200	\$175,277,000	\$170,663,673	\$78,422,473	85%
TOTAL	\$645,580,722	\$1,006,006,000	\$994,006,000	\$348,425,278	54%

- In March 2025, the Authority board decided to cancel the design-build procurement and pursue a
  new path to deliver the Pomona to Montclair project using a Construction Manager at Risk (CMAR)
  delivery method, which will reduce project risk and allow project delivery as quickly as possible.
- The decision followed Kiewit's final bid price (received late February 2025) being deemed unreasonable according to accepted procurement guidelines and practice.
- The Construction Authority made several attempts to collaborate with design-builder (Kiewit) during the proposal and negotiation process to lower costs and find a path forward. The agency conducted discussions on numerous occasions, interacted via questions/requests and responses, and ultimately agreed to dozens of contract changes requested by Kiewit to reduce costs. Despite these shifts and cooperation, Kiewit's final bid was lowered by only \$12 million; remaining hundreds of millions of dollars above the agency's multiple independent cost estimates.



## **CMAR** (Construction Manager at Risk)



- Owner hires designer
- At approximately 30% design, owner hires CMAR contractor (mainly on qualifications)
- Designer participates as member of the "CMAR Project Team" during pre-construction services
  - The CMAR Project Team consists of the owner, designer, CMAR contractor, and Independent Cost Estimator (ICE)
  - Designer retains primary role in design development





# Project Scope Overview

## **Project Elements**

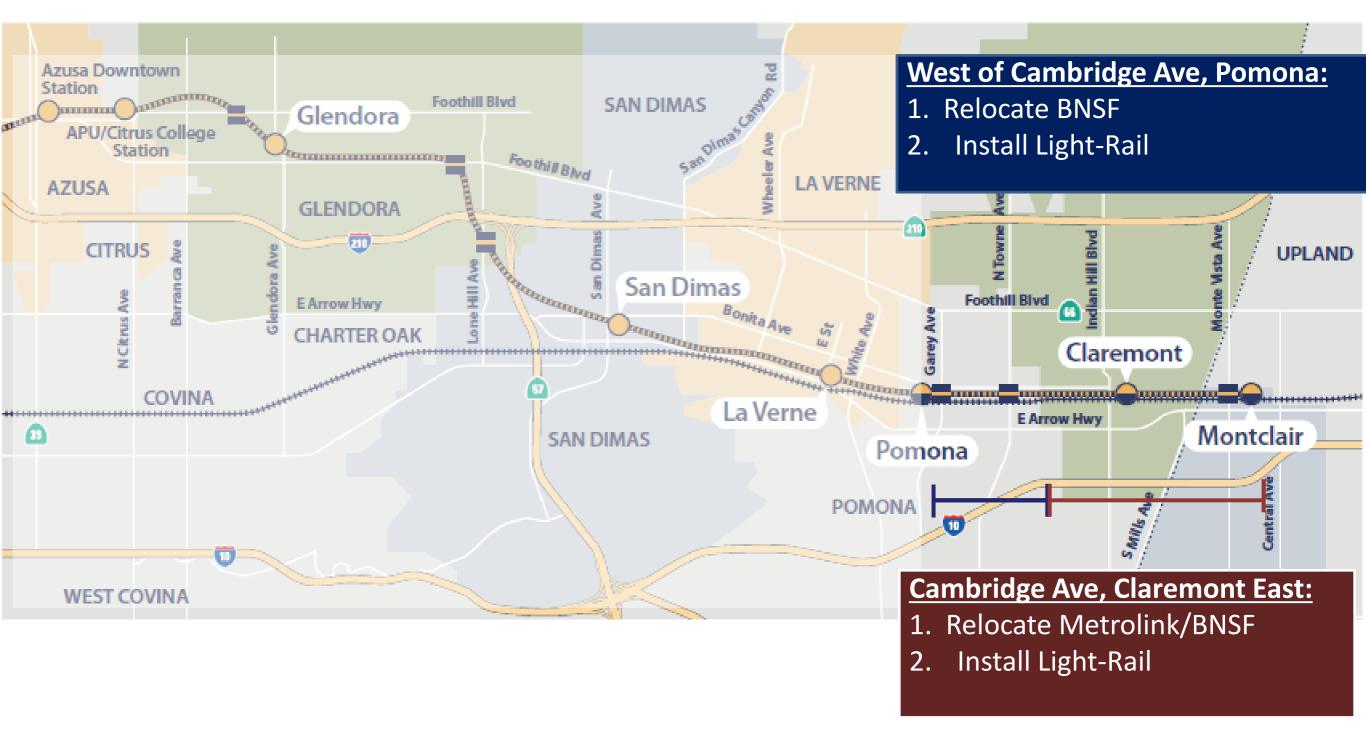
- 3.3 miles of LRT at-grade track
- Track is generally within existing, owned right of way
- Overhead wires above tracks
- Corridor is 100% shared with BNSF and Metrolink\*
- Two new stations; each with intermodal parking facilities shared with Metrolink
- Relocated Metrolink station in Claremont

- 5 at-grade (street level) roadway crossings (Metrolink at all five and light rail only at three);
- 5 New Bridges
- Traction Power Supply Substations within or adjacent to the right of way, located 1.0 to 1.5 miles apart
- Pedestrian undercrossing at Claremont Metrolink station

<sup>\*</sup> Both BNSF and Metrolink service must stay operational during construction; contractor will have to move the freight/Metrolink track first, before building the light rail tracks



### 100% Shared Corridor





### Pomona to Montclair At-Grade Roadway Crossings

Towne Ave	Pomona
Cambridge Ave	Claremont
Indian Hill Boulevard	Claremont
College Ave	Claremont
Claremont Blvd	Claremont

- All project grade crossings (at grade and grade separated) have been approved by the CPUC
- SCRRA has requested no quad gates at freight/Metrolink-only crossings (where light rail trains cross on a bridge); no bridges are being built for Metrolink trains



### **New Structures**

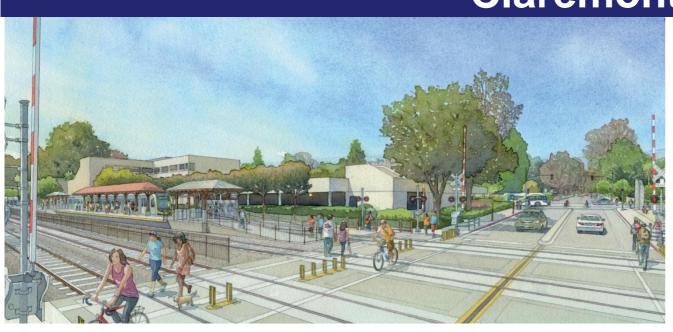
Major Structures	Minor Structures (washes & creeks)
<ul> <li>Towne Avenue Flyover (LRT)</li> <li>Garey Avenue Grade Separation (LRT)</li> <li>Indian Hill Avenue Grade Separation (LRT)</li> </ul>	San Antonio Wash Channel Bridge (LRT)
Monte Vista Avenue Bridge (LRT)  NOTE: No Metrolink tracks will be grade separated as part of the project	

- All bridge designs will be in accordance with applicable Governmental Rules/Agencies (Metro, SCRRA, Caltrans, City, Army Corp., AREMA)
- All project grade crossings (at grade and grade separated) have been approved by the CPUC



## **Two New Light Rail Stations**

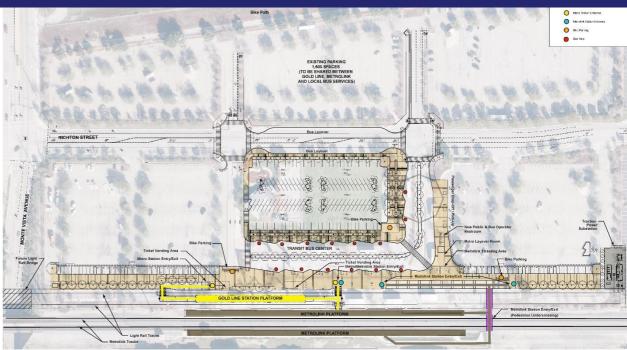
### **Claremont Station**





### **Montclair Station**

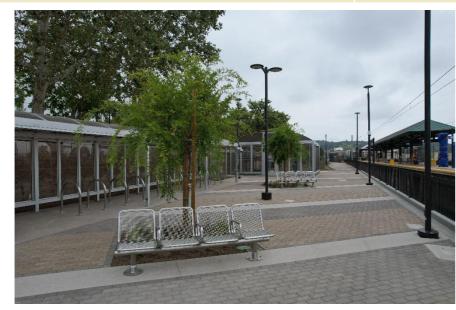






### Multi-Modal Parking Facilities at Stations

Future Station	Parking Spaces
Claremont	539 (new structure, plus reconfigured surface lot) Spaces Shared with Metrolink Bike Parking Spaces in Secure Shelter, plus bike racks
Montclair	1,600 existing (existing surface lot) Spaces Shared with Metrolink and Other Transit Bike Parking Spaces in Secure Shelter, plus bike racks





To promote multi-modal access, each station is being designed to include more bike parking and lockers, shuttle and drop off areas, bus stop interfaces and pedestrian access from all sides.





# Coordination with Cities

### City Involvement in Design & Construction

- City will be an active participant in all aspects of the design and construction of improvements within the City's public ROW
  - This includes improvements/facilities owned and operated by the City and other third parties when located in public ROW:
    - Utilities (sewer, water, electric, etc.)
    - Drainage
    - Roadway/Street Improvements
    - Traffic Signals



### City Involvement with Designer & CMAR

- Design Phase
  - Monthly coordination meetings
  - Over-the-shoulder workshops
  - Review and approval of improvement plans, including 60%, 85% and 100% plan reviews.
  - Improvements in City's public right-of-way will be designed to comply with City Standards and Specs
  - Identification of Betterments
  - Planning of the Maintenance of Traffic for all street work
- Construction Phase
  - Semi-monthly coordination meetings
  - No fee permits
  - Traffic control plans
  - Shop Drawings
  - Inspections & pre-activity meetings
  - Notifications

During all phases of coordination, the Construction Authority will be present.





### **Community Engagement**

- Community Outreach has been on-going in Glendora to Montclair segment for more than a decade
  - Outreach including information dissemination, community meetings, events and presentations to groups - have taken place at various times during the planning process:
    - Environmental (2004, 2010)
    - Station Art & Advanced Conceptual Engineering (2014/2015)
    - Measure M (Presentations in 2016)
- Community Outreach will intensify with project moving forward to design and construction



### **Project & Construction Safety Awareness**

- Leading Up to Construction Construction Authority
  - Community Open Houses and Presentations
  - Speakers Bureau and Newsletter Network Cities, Local Business Organizations, Civic Organizations
  - Advertising through Local and Regional Media Outlets and USDs
  - Outreach during Community Events and at Activity Centers
- <u>During Construction</u> Construction Authority & CMAR
  - Above activities continue, plus:
    - Construction Notices and Project Updates to Impacted Stakeholders
    - Public & School Safety Education Program
    - Elected Official Briefings and City Coordination Meetings
    - On-line Construction and Project Status Updates

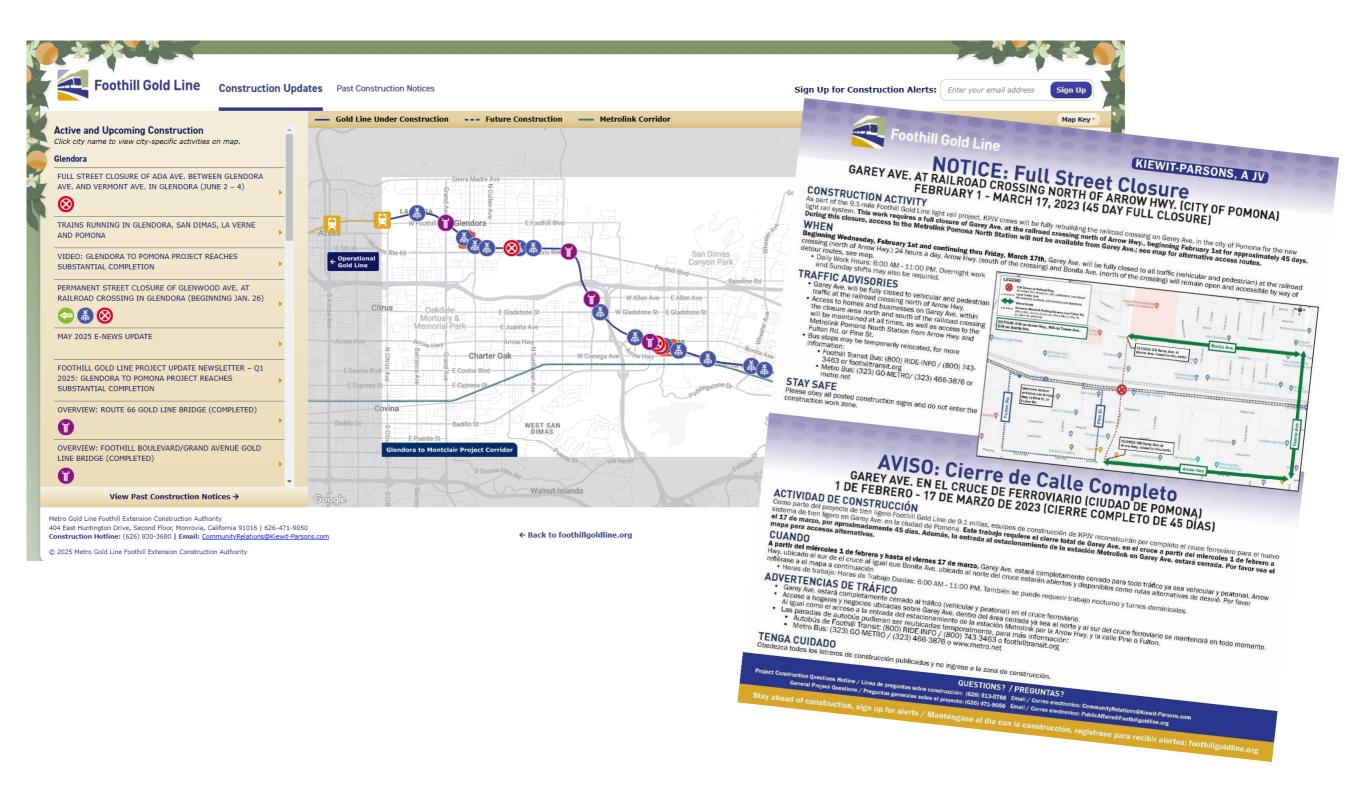


## Reaching Key Audiences

	On-Line/ Direct		Meetings/ Events				Media			Information				
Stakeholders/Affected Groups	Social Media Postings	Email Notices	Hand Delivered Notices	Stakeholder Events & Speakers Bureau	Online and Community Event Outreach	Monthly City Meeting	Community Walks, One-on-One Meetings	Media Information	Press Kit	Advertisements	Fact Sheets/Newsletter	Signs	Billboards	Information Hotline
<b>Business Groups</b>	Х	Х		Х	Х					Х	Х		Χ	Х
Small Businesses (Store Fronts)	Х	Х	Χ	Χ	Χ		Χ			Х	Х	X	X	X
Large Business/	Х	Х		Х	Х		Х			Х	Х	Х	Χ	Х
Manufacturing Facilities														
City Officials	Х	Х		Х	Х	Х							Χ	Х
City Street Users	Х	Х			Х		Х			Х	Х	Х	Χ	Х
<b>Emergency Responders</b>	Х	Х				Х	Х					Χ		Χ
Faith Based Groups	Х	Х	Х	Х	Х		Х			Х	Х			Х
Institutions/Schools	Х	Х	Χ	Χ	X		Χ			Х	Х	Х		Χ
Media Outlets	Х			Х	X			Х	Х		Х			X
Pedestrians												Х	Χ	Х
Residents	Х	Х	Χ		Х		Х			Х	Х	Х	X	X
Residential/Community	Х	Х		Х	Х		Х			Х	Х			Х
Organizations														
<b>Utility Owners</b>	X	X		X		X	X				X			X



# Information for Impacted Stakeholders





### **Developing Uniform Protocols**

### Extended Grade Crossing/Street Closures

- City Reviews:
  - Outreach plan 4 weeks prior to work activity
  - Construction Notices 10 days prior to work activity
- Notice Distribution to affected stakeholders 1 week prior to work activity:
  - Radius of 500' from affected intersection and any other affected residences or businesses
  - USDs, Police & Fire Depts., bus service providers, major land users outside 500-foot radius that might be impacted (hospitals, major employment centers, universities, etc.)
- Media Advisory
  - Sent to media outlets for publication 3-5 days before closure
- City and Chamber Websites
  - City and Chamber to be provided notice for posting on website 1 week ahead of closure
- Street Signage/CMS Boards
  - Contractor will install signage to warn of impending closure
    - CMS boards 2 weeks ahead of closure
    - Static/permanent signage if needed until street re-opens



### **Developing Uniform Protocols**

### Work within the Project ROW

- Before work begins, an advisory letter will be distributed, notifying of the construction activities and encouraging communication
  - A project sign will be placed at grade crossings with contact information
  - Direct notification will occur to impacted neighbors when impacts go beyond what would normally be expected
- Construction Notices provided for city review 10 days prior to work
- Construction Notice distributed to impacted neighbors at least 3 days prior

Work on City Streets (not including grade crossing closures) – Such as: Lane closures that impact multiple days or multiple lanes

- Construction notices provided for city review 10 days prior
- Construction Notices distributed to public at least 3 days prior
- Street Signage will be coordinated by contractor's MOT group

#### Other considerations and needs

- Contact for complaints is Contractor and Construction Authority
- Construction Notices will be in English (Spanish, if requested by city)





### **Design: Scope of Work Highlights**

- Consists of design of all project elements
- Authority has advanced design to 30% level (60% for street improvements, freight bridges, and portions of the Metrolink corridor)
- Major project elements include:
  - New light rail track
  - Relocation/reconfiguration of existing freight and Metrolink commuter track
  - New structures (bridges, sound walls, retaining walls)
  - Drainage and stormwater improvements
  - Utility work
  - Two light rail at-grade passenger stations including all station elements and a relocation of the Claremont Metrolink station
  - Parking structure in Claremont and modifications to Montclair TransCenter
  - Traction electrification system including TPSS and OCS
  - Grade crossings and roadway/traffic signal improvements
  - Landscaping and art elements



### **CMAR: Scope of Work Highlights**

- Main responsibilities of CMAR during Design Phase
  - Constructability reviews
  - Value Engineering
  - Schedule development
  - Cost estimating
  - Stakeholder coordination
  - Other "soft" services

NOTE: CMAR to provide project cost estimates at 60% and 85% (Guaranteed Maximum Price (GMP)) – goal is to design project to budget

- If GMP acceptable, construction services contract will be negotiated for all project elements:
  - Relocation of freight and Metrolink facilities
  - Construction of light rail
  - Testing of the complete LRT system
  - Community outreach
  - Coordination with agencies including Metro, SCRRA, SBCTA, Cities, Caltrans, and others



## **Expected Project Delivery Schedule\***

Activity	Timing					
RFP for Designer	June 2025					
RFP for CMAR	September 2025					
Designer Contract Award	October 2025					
CMAR Contract Award	February 2026					
Minor Construction Projects Begin	December 2026					
CMAR Bids w/ Guaranteed Maximum Price (GMP typically at 80-90% Design)	August 2027					
Design Complete (100%)	October 2027					
If Required, Bid 100% Design	December 2027					
Project Complete (if CMAR bid was ok)	June 2031					

<sup>\*</sup>Preliminary draft schedule; subject to revision





# Sign Up for Contracting Opportunity Updates:

www.foothillgoldline.org





# Sign Up for Contracting Opportunity Updates:

www.foothillgoldline.org



# foothillgoldline.org iwillride.org



