

# BURBANK TO LOS ANGELES PROJECT SECTION

## PROGRAM OVERVIEW & STATIONS



# CONNECTING CALIFORNIA

## CALIFORNIA HIGH-SPEED RAIL



**Increase Mobility**



**Needed Alternative**



**Better Air Quality**



**Job Growth**



# INDUSTRY LEADING SUSTAINABILITY GOALS

## CALIFORNIA HIGH-SPEED RAIL

**100% RENEWABLE ENERGY**



**100%  
Recycled  
Steel**



**100%  
NET-POSITIVE  
ENERGY**

ALL STATIONS



**Durable  
Concrete**

**=**

**100  
YEARS**

**LEED  
PLATINUM**

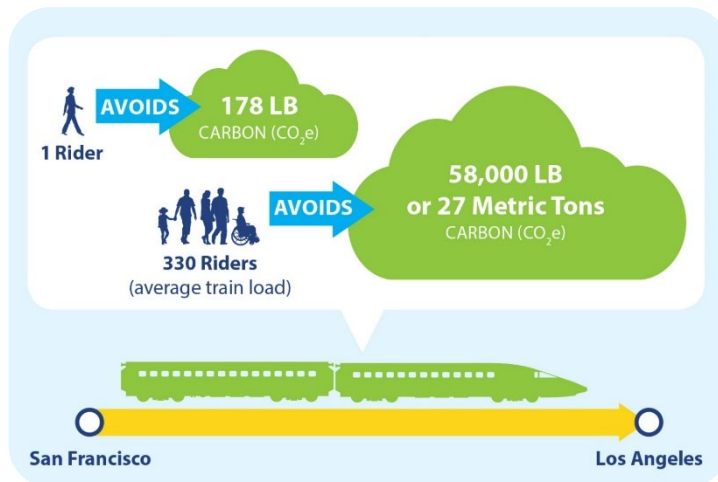
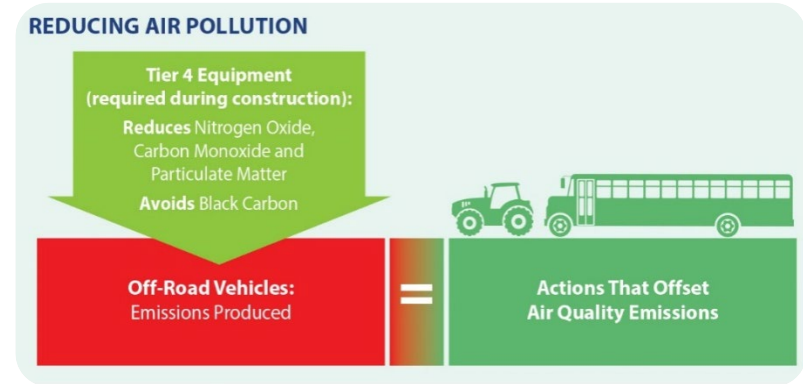
ALL STATIONS



# PART OF CALIFORNIA'S CLIMATE SOLUTION

## CALIFORNIA HIGH-SPEED RAIL

- Net-zero greenhouse gas and criteria pollutant emissions in construction
- Carbon dioxide (CO<sub>2</sub>e) avoided due to mode shift from air and auto travel to high-speed rail
- 64 to 76 million metric tons of carbon dioxide equivalent reduced in first 50 years of operation
- Air quality on site was 50-60% cleaner than average California construction site



*"The Authority will deliver a sustainable high-speed rail system for California that serves as a model for sustainable rail infrastructure. The Authority has developed, and will continue to implement, sustainability practices that inform and affect the planning, siting, designing, construction, mitigation, operation, and maintenance of the high-speed rail system."*

*-Authority Sustainability Policy*

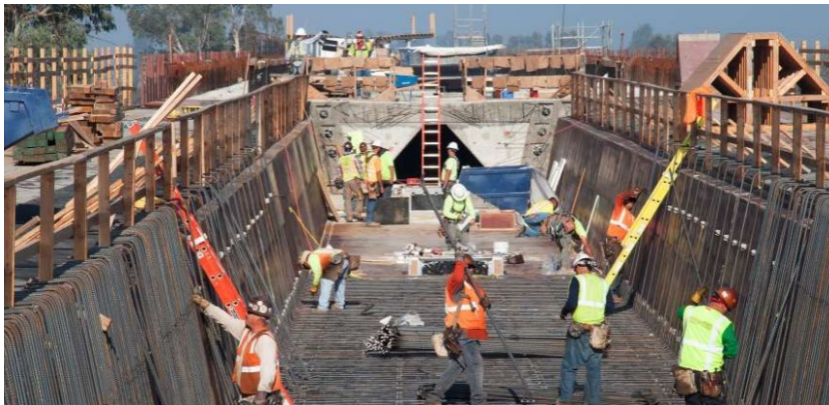




# IT'S HAPPENING!

## CALIFORNIA HIGH-SPEED RAIL

- Approximately 119 miles
- Approximately \$3 billion investment
- 30 active construction sites
- 3,200+ jobs and counting



# HELP SHAPE CITIES AND IMPROVE ACCESS

## CALIFORNIA HIGH-SPEED RAIL

- **Revitalization in downtown cores**
- **Connects with and reinforces local mobility**
- **Foundation for sustainable growth**



# BURBANK TO LOS ANGELES STATIONS

## CALIFORNIA HIGH-SPEED RAIL





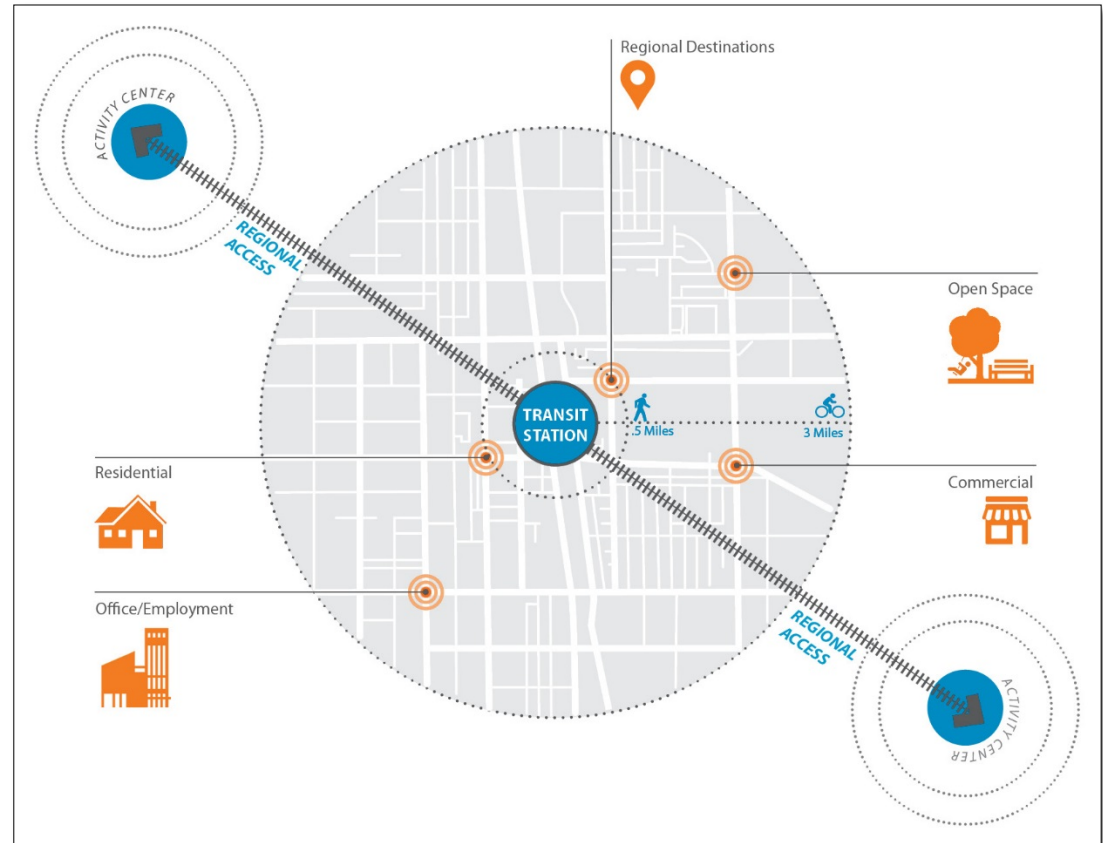
# STATION ACCESS

## CALIFORNIA HIGH-SPEED RAIL

### Evaluate existing access

- Pedestrians
- Bicycles
- Transit vehicles
- Motor vehicles

**Plan to accommodate all modes at stations based on projected demand and site constraints**





# WORKING WITH OUR PARTNERS

## CALIFORNIA HIGH-SPEED RAIL

**Community Engagement**

**Visioning**

**Market and Financial Analyses**

**Access Planning**

**Development Scenario Analysis**

- Private Investment Potential
- Implementation Planning

**Update Zoning and Land Use**

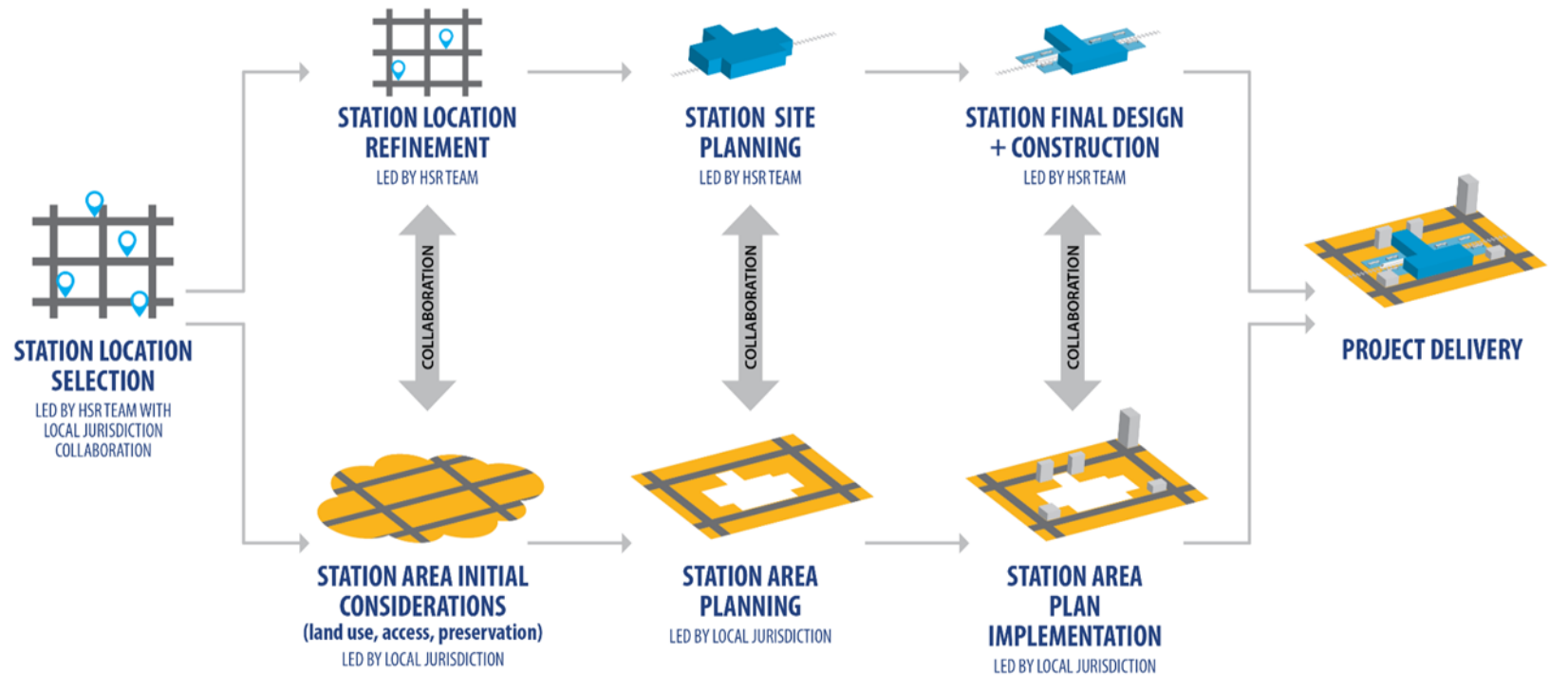


**Metro®**



# STATION PLANNING PROCESS

## CALIFORNIA HIGH-SPEED RAIL



# BURBANK AIRPORT STATION

## CALIFORNIA HIGH-SPEED RAIL

### Hollywood Burbank Airport

- Recently approved terminal relocation

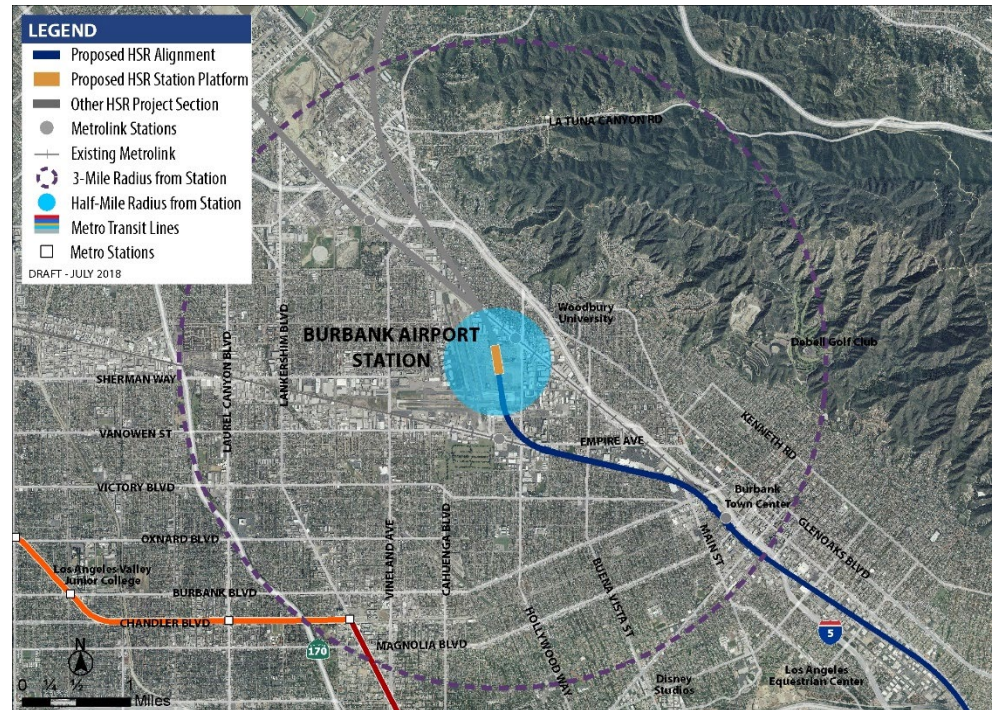
### Regional Intermodal Transportation Center

### Amtrak Pacific Surfliner

### Metrolink

- Antelope Valley Line
- Ventura County Line

### Local and regional buses



# BURBANK CONNECTIONS

## CALIFORNIA HIGH-SPEED RAIL

### San Fernando Valley regional multi-modal transportation hub

### Connections to full range of existing and planned transit modes

### Golden State Specific Plan

- Will guide infrastructure and land use development around the high-speed rail station

### Ongoing planning with City of Burbank, Burbank-Glendale-Pasadena Airport Authority, LA Metro, Metrolink, stakeholder groups, others



**HOLLYWOOD  
BURBANK**  
AIRPORT





# LOS ANGELES UNION STATION

## CALIFORNIA HIGH-SPEED RAIL

### Platforms & Tracks

- At-grade through railyard

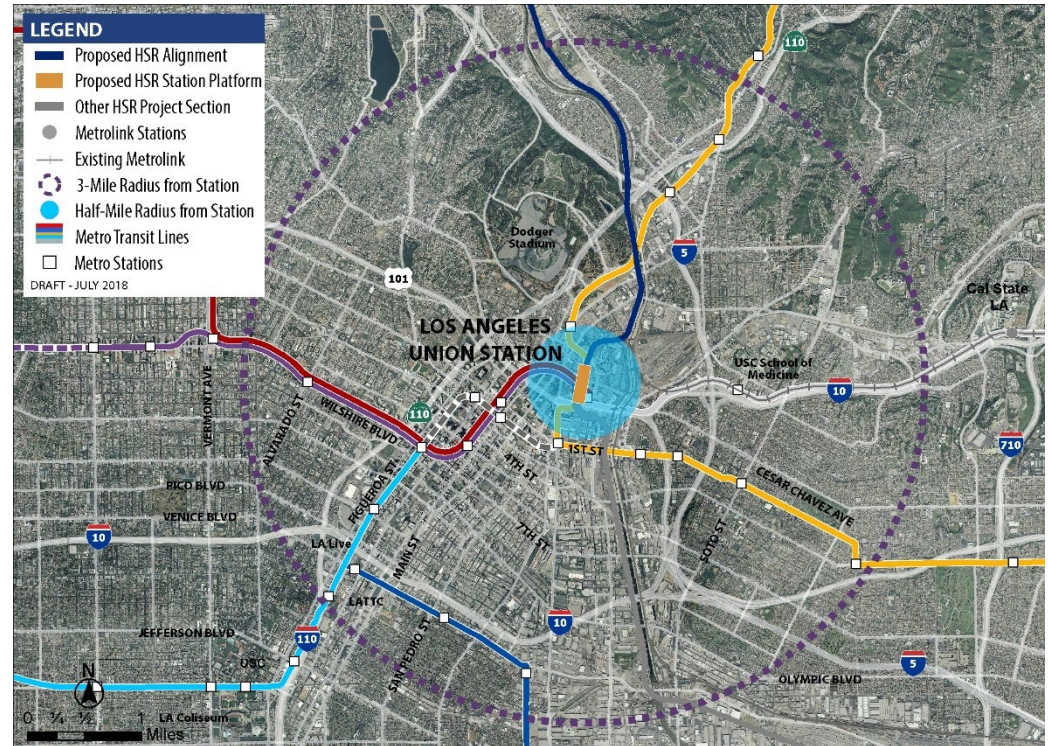
### Station Facilities

- Integrate with existing station facilities and planned Metro Link US improvements
- Metro/Metrolink/Amtrak/HSR connections

### Station Access

- Pedestrian access and safety
- Bike connectivity to station
- Direct rail & transit connections
- Balance east and west station access
- Auto circulation (traffic considerations)

### Station Area Planning



# LOS ANGELES UNION STATION

## CALIFORNIA HIGH-SPEED RAIL

Phase A will enable commuter (Metrolink) and intercity (Amtrak) rail trains to realize early benefits from an interim two-track, run-through configuration at LAUS.

Phase B is currently unfunded.

### Major Project Components:

1. New rail communications, signals and tracks
2. New run-through tracks over US-101
3. Proposed modified expanded passageway, platforms, escalators and elevators
4. Accommodation of High-Speed Rail with a new lead track, and optimized throat and railyard



| Phase A  |  |  | Phase B   |
|--|--|--|---|
| SEGMENT 1 – THROAT AREA  | SEGMENT 2 – COMMERCIAL & CENTER ST               | SEGMENT 3 – VIADUCT & RUN-THROUGH  | SEGMENT 4 – RAIL YARD/CONCOURSE AREA  |
| 1. Rail signal, communications and track work<br>2. Utility relocation | 1. Property acquisition<br>2. Utility relocation | 1. Viaduct structure over US-101 (full width)<br>2. Two run-through tracks from Union Station Platform 4 to mainline tracks<br>3. Signal and communication | 1. Raising of the rail yard, including new platforms and tracks, as well as new stairs, escalators and elevators<br>2. Proposed modified expanded passageway, including including East and West Plazas<br>3. Add remaining run-through tracks (10 total) and new lead track in the throat |

| FUNDING SOURCE                                 | PHASE A       |
|--|---------------|
| State Proposition 1A/<br>High-Speed Rail Bonds | \$423M        |
| TIRCP  | \$398M        |
| Other  | \$129M        |
| <b>TOTAL</b>                                   | <b>\$950M</b> |

California High-Speed Rail Authority 2018 Business Plan includes **\$423 million** for Link US.

As part of the 2018 Transit and Intercity Rail Capital Program (TIRCP), CalSTA awarded \$875 million to Metrolink's SCORE program.

Includes **\$398 million** for Link US.



# **DOWNTOWN LOS ANGELES CONNECTIONS**

## CALIFORNIA HIGH-SPEED RAIL

### **Link to world-class transit center**

- Los Angeles Union Station

### **Connections to full range of existing & planned transit modes**

### **Integration with downtown communities**

### **Sensitivity to historical, environmental and cultural resources**

### **Ongoing planning with City of Los Angeles, historic neighborhoods, Los Angeles River groups, others**





# ADDITIONAL REGIONAL CONNECTIONS

## CALIFORNIA HIGH-SPEED RAIL





# CONNECT POPULATION CENTERS LIKE NEVER BEFORE

## CALIFORNIA HIGH-SPEED RAIL



### SHARED CORRIDOR



# STAY INVOLVED

## CALIFORNIA HIGH-SPEED RAIL

### Burbank to Los Angeles Project Section

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