



CALIFORNIA
High-Speed Rail Authority

Connecting California: Palmdale To Burbank Project Section

Palmdale to Burbank Project Section
Community Working Groups
August 2016



HIGH-SPEED RAIL: Connecting California



Increase Mobility



Needed Alternative



Better Air Quality



Job Growth

IT'S HAPPENING!

- Approximately 119 miles
- Madera to North of Bakersfield
- Approximately \$3 Billion Investment



SOUTHERN CALIFORNIA

- **Connect to Southern California**
 - » LA Union Station to San Francisco in 2 hours, 40 minutes
 - » Close the passenger rail gap over the Tehachapi Mountains
- **Connect within Southern California**
 - » Los Angeles to San Diego in 1 hour 20 minutes
 - » Close the passenger rail gap between San Diego and Riverside Counties
 - » Deliver early benefits through investments in local rail connectivity projects
- **Connect to Airports**
 - » Palmdale, Hollywood Burbank Airport, Ontario and San Diego Airports
- **Create Multi-Modal Transportation Hubs**
 - » Palmdale, Burbank, LA Union Station, ARTIC, San Diego International Airport ITC
 - » Transportation-oriented and sustainable development



PALMDALE TO BURBANK SECTION PROJECT OVERVIEW

- **35-mile to 45-mile Section**

- » Connection to Urban Los Angeles



- **Two Stations**

- » Palmdale (Antelope Valley)

- » Burbank (San Fernando Valley)



- **Extremely Diverse**

- » High desert communities

- » Rural/equestrian country

- » Mountainous regions

- » Suburban communities

- » Dense urban environments



COLLABORATIVE APPROACH BALANCES MULTIPLE PRIORITIES



STAKEHOLDER ENGAGEMENT

- **Community Open Houses**

- » Four rounds of public meetings & webcasts
 - Over 3,500 attendees since 2014
- » Translation services for up to nine languages provided



- **Community Working Groups**

- » Two rounds of meetings
 - Nearly 500 participants
- » Bilingual and all-Spanish meetings



- **Ongoing Agency/Stakeholder Meetings**

- **Ongoing Community Activities**

- » More than 221 community meetings, presentations and briefings since May 2014.
- » Information booths at various community events
- » Multi-faceted, multi-lingual approach focused on reaching all communities throughout the process



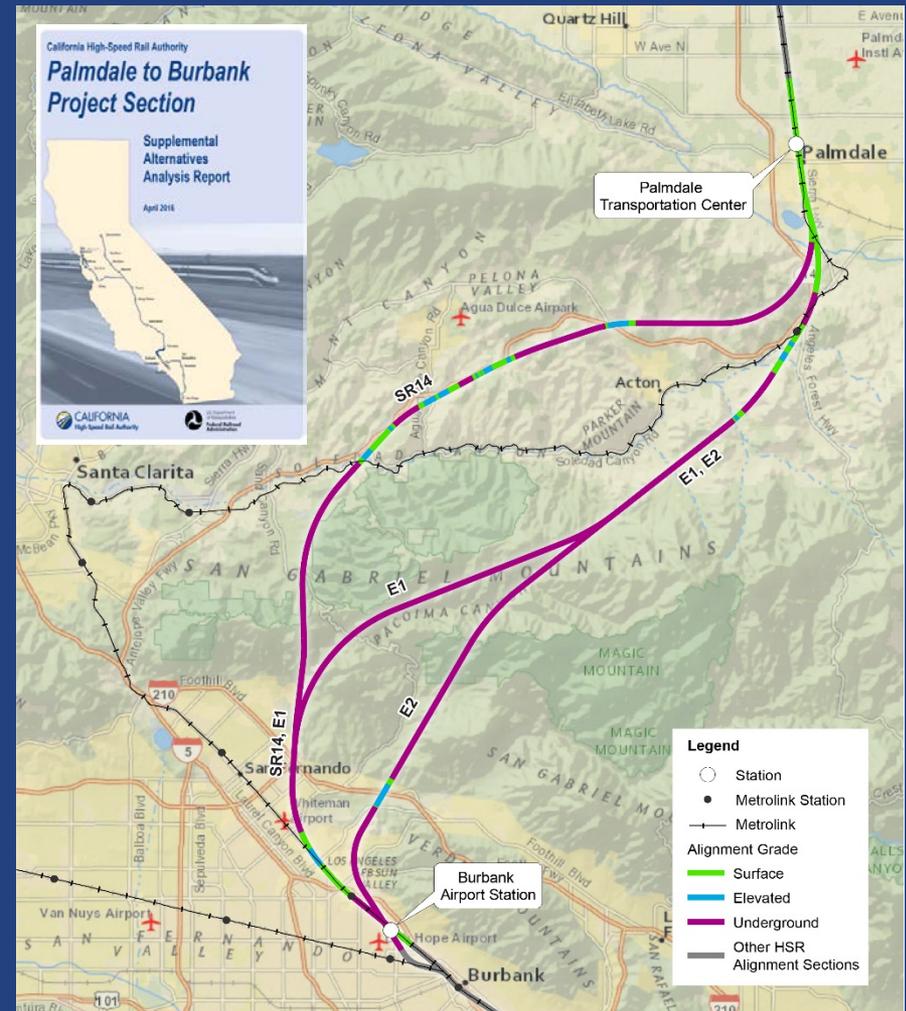
UPDATED ALTERNATIVES UNDER STUDY

- Study Three Alternatives through Draft Environmental Document

- » Developed Supplemental Alternatives Analysis (SAA) Report

- » Improved future high-speed rail operations and constructability

- » Reduced potential impacts to:
 - Environmental justice communities
 - Community facilities
 - Businesses
 - Environmental resources
 - Highly-populated communities



2016 SAA - SR14 ALTERNATIVE

• Refinement Goals

- » Shorten route to reduce travel time/improve operations
- » Reduce impacts at Santa Clara River crossing
- » Reduce/avoid impacts to communities

• Result: SR14

- » More perpendicular crossing at Santa Clara River, significantly reducing impacts
- » Reduces impacts to highly developed areas in San Fernando Valley
- » Reduces impacts to rural communities
- » Shorter alignment, improved travel time and operations
- » Tunnels under portion of Angeles National Forest



2016 SAA - E1 ALTERNATIVE

• Refinement Goals

- » Address grades and profile to improve operations
- » Reduce/avoid impacts to communities
- » Improve constructability
- » Minimize impacts on Angeles National Forest resources

• Result: E1

- » Improves grade and profile
- » Avoids Bootlegger Canyon community in Acton
- » Reduces length of fault crossings
- » Reduces depth of tunnels



2016 SAA - E2 ALTERNATIVE

• Refinement Goals

- » Address vertical profile to improve operations
- » Refine alignment to reduce impacts to residential areas
- » Reduce or avoid impacts to Big Tujunga Wash Mitigation Area
- » Improve High-Speed Rail operations

• Result: E2

- » Improves vertical profile and reduces tunnel depths
- » Improves alignment and operations south of Burbank station
- » Avoids Bootlegger Canyon community in Acton
- » Reduces residential impacts in Shadow Hills neighborhood
- » Avoids impacts to Big Tujunga Wash Mitigation Area

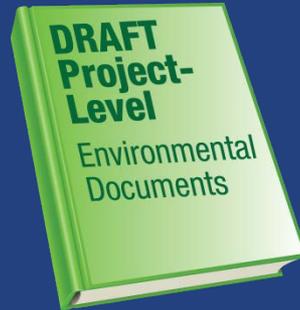


ENVIRONMENTAL PROCESS & IDENTIFYING A PRELIMINARY PREFERRED ALTERNATIVE



ENVIRONMENTAL DOCUMENT CONTENT

Environmental Documents Analyze These Topics

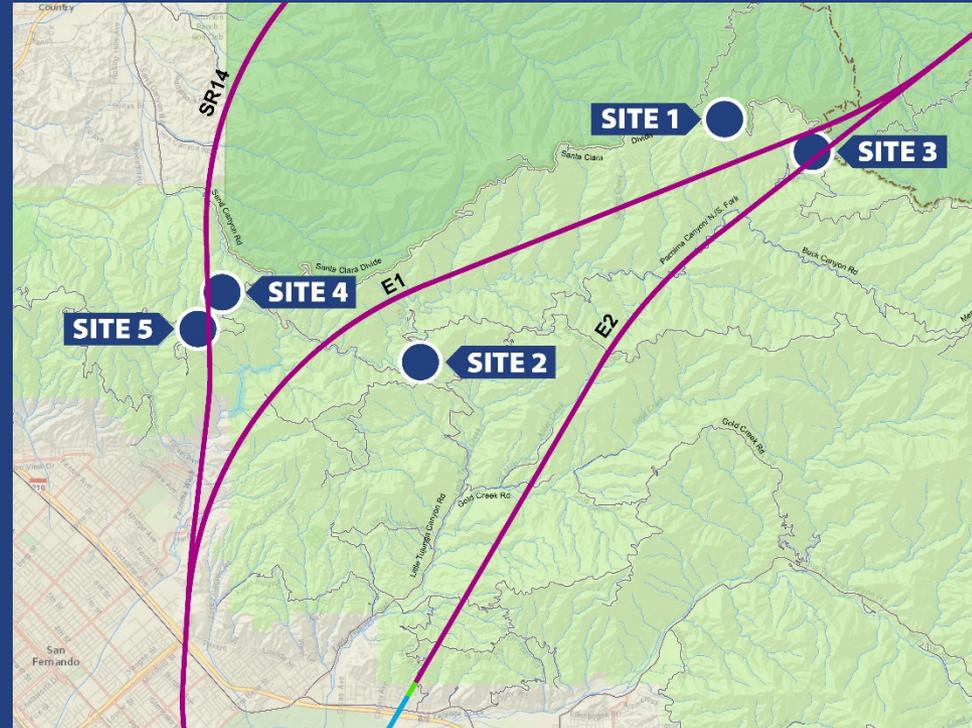


- Aesthetics & Visual Quality
- Agricultural, Farm & Forest Land
- Air Quality & Global Climate Change
- Biological Resources & Wetlands
- Cultural Resources
- Cumulative Impacts
- Electromagnetic Interference/Fields (EMI/EMF)
- Environmental Justice
- Geology, Soils, Seismicity & Paleontology
- Hazardous Materials & Wastes
- Hydrology & Water Resources
- Station Planning, Land Use & Development
- Noise & Vibration
- Parks, Recreation & Open Space
- Public Utilities & Energy
- Regional Growth
- Safety & Security
- Section 4(f) & Section 6(f) Evaluations
- Socioeconomics & Communities
- Transportation

GEOTECHNICAL INVESTIGATIONS (GI)

Status of Five Rock Coring Sites

- » Site 1
 - *Completed*- 2,700 Ft. Deep
- » Site 2
 - *Completed*- 1,000 Feet Deep
- » Site 3
 - *Completed*- 1,000 Feet Deep
- » Site 4
 - *Completed*- 1,600 Feet Deep
- » Site 5
 - *In Progress*- 2,100 Feet Deep



ANGELES NATIONAL FOREST (ANF) GEOTECHNICAL INVESTIGATION (GI)

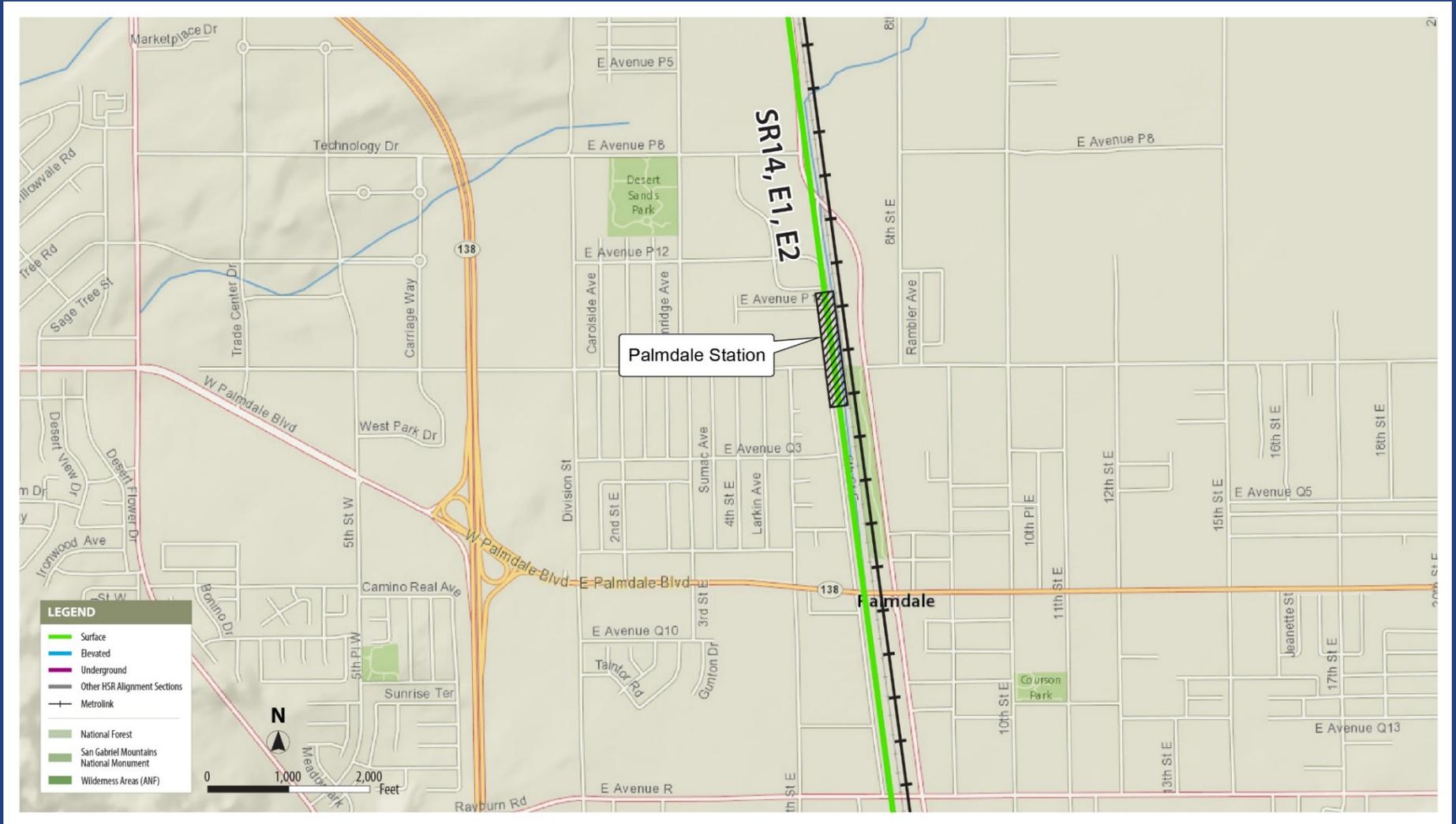
GI VIDEO PLACEHOLDER

PALMDALE TO BURBANK TIMELINE*

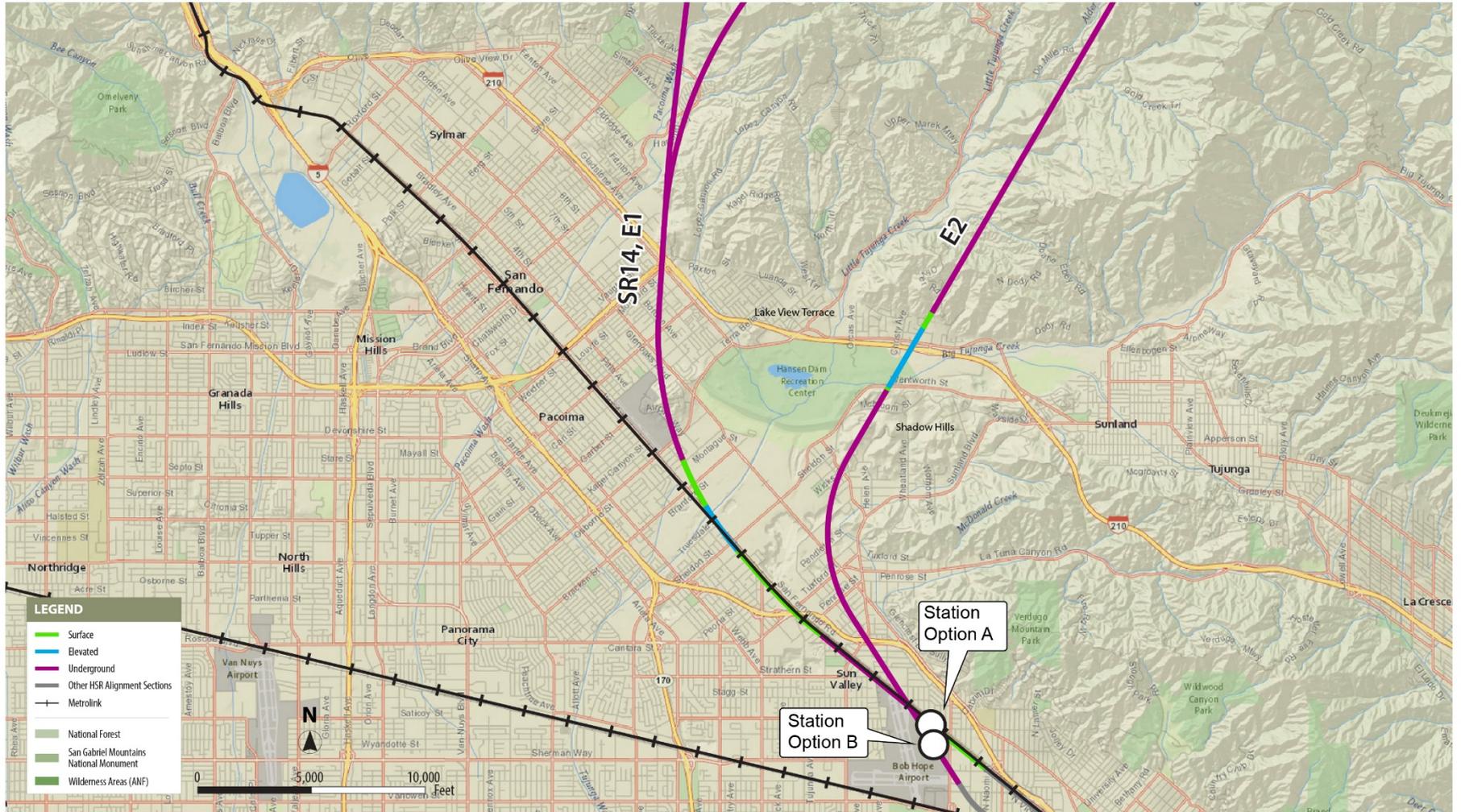


* Subject to Change

PALMDALE STATION COMMUNITY MAP



NORTHEAST SAN FERNANDO VALLEY COMMUNITY MAP



UPCOMING OPEN HOUSE MEETINGS

- Wednesday, September 14

5:00 PM – 8:00 PM

Palmdale

Chimbole Cultural Center

- Saturday, September 17

9:00 AM – 12:00 PM

Acton / Agua Dulce

Acton Community Center

- Thursday, September 22

5:00 PM – 8:00 PM

Northeast SFV Communities

Fernangeles Recreation Center

STAY INVOLVED

Website: www.hsr.ca.gov

Helpline: (800) 630-1039

Email: palmdale_burbank@hsr.ca.gov



Southern California Regional Office

California High-Speed Rail Authority

700 N. Alameda, Room 3-532

Los Angeles, CA 90012

www.hsr.ca.gov



@cahsra



facebook.com/CaliforniaHighSpeedRail



@cahsra



youtube.com/CAHighSpeedRail