



CALIFORNIA
High-Speed Rail Authority

SAN FRANCISCO TO SAN JOSE PROJECT SECTION

**Local Policy Maker Group
Thursday, August 24, 2017**

San Carlos, California



INTRODUCTIONS



AGENDA REVIEW

- California High-Speed Rail Program Update
- San Francisco to San Jose Update
- Outreach Update
- Questions & Comments

CALIFORNIA HIGH-SPEED RAIL PROGRAM UPDATE



NEW INTERACTIVE WEBSITE: BuildHSR.com

- BuildHSR.com is a new interactive website focused on construction activities
- Find construction alerts, photos, videos, construction millstones and events

The screenshot displays the BuildHSR.com website interface. At the top left is the 'build HSR CALIFORNIA' logo. The navigation menu includes 'PROJECTS', 'CONSTRUCTION PACKAGES', 'INTERACTIVE MAP', and 'FACES OF HSR'. A secondary menu at the top right contains 'California High-Speed Rail', 'Contact Us', and 'Translate Website'. Social media icons for Facebook, Twitter, and YouTube are visible on the right side.

The main content area features a large photograph of a construction site for the 'Road 27 Overpass - Modera County'. To the right of the photo is a 'CONSTRUCTION update' section with the text: 'Hard work is paying off at the high-speed rail project sites in the Central Valley. Since the start of construction more than a year ago, the project now has eleven active sites with more to come this fall. In this month's construction update we showcase multiple images that highlight the progress we are making to build high-speed rail.' Below the text are two circular navigation arrows.

Below the main image is a 'ROAD CLOSURE & DETOUR ALERTS' section with a warning sign icon. It lists several alerts: 'The Jun 1, 2017 - Mon Jul 01, 2017 Mono Street Closures Mono 50000, Fresno', 'Fri Jun 09, 2017 State Route 180 Lane Shifts State Route 180 Between State Route 99 and State Route 41', 'The Jun 1, 2017 - Sat Jun 1, 2019 Tulare Street Closures Tulare 50000, Fresno', and a 'View Projects >' link.

To the right of the alerts is an 'INTERACTIVE CONSTRUCTION project map' section with a 'View map full size >' link. The map shows the state of California with a blue line representing the high-speed rail route. A 'Jump to' dropdown menu is set to 'Central'. Other menu options include 'North' and 'South'. The map includes labels for 'CALIFORNIA', 'San Francisco', 'Los Angeles', and 'San Diego'. A 'Map data ©2017 Google, INEGI' and 'Terms of Use' link are visible at the bottom right of the map.

HIGH-SPEED RAIL: Economic Impact



\$2.3 Billion



\$2.3 Billion from July 2006 through June 2016

- **94% Went to California Firms And Workers**
- **Over 70% was Funded by Federal Funds (ARRA)**

HIGH-SPEED RAIL: Economic Impact



630 different private sector firms

have been contracted to work on the program

HIGH-SPEED RAIL: Economic Impact

52%

of project expenditure occurred in designated disadvantaged communities throughout California, spurring economic activity in these areas.



HIGH-SPEED RAIL: California Economic Impacts



**JOB-YEARS OF
EMPLOYMENT**

19,900 - 23,600



**LABOR
INCOME**

\$1.38B - \$1.68B



**ECONOMIC
OUTPUT**

\$3.5B - \$4.1B

HIGH-SPEED RAIL: Economic Output

Indirect Effects

Concrete
Steel
Supplies
Transport
Computers
Parts
Office Supplies
And more...



Direct Spending

Contractors

- Construction workers' salaries
- Manufacturing, production, construction

Employees

- Salaries/rent/other expenses

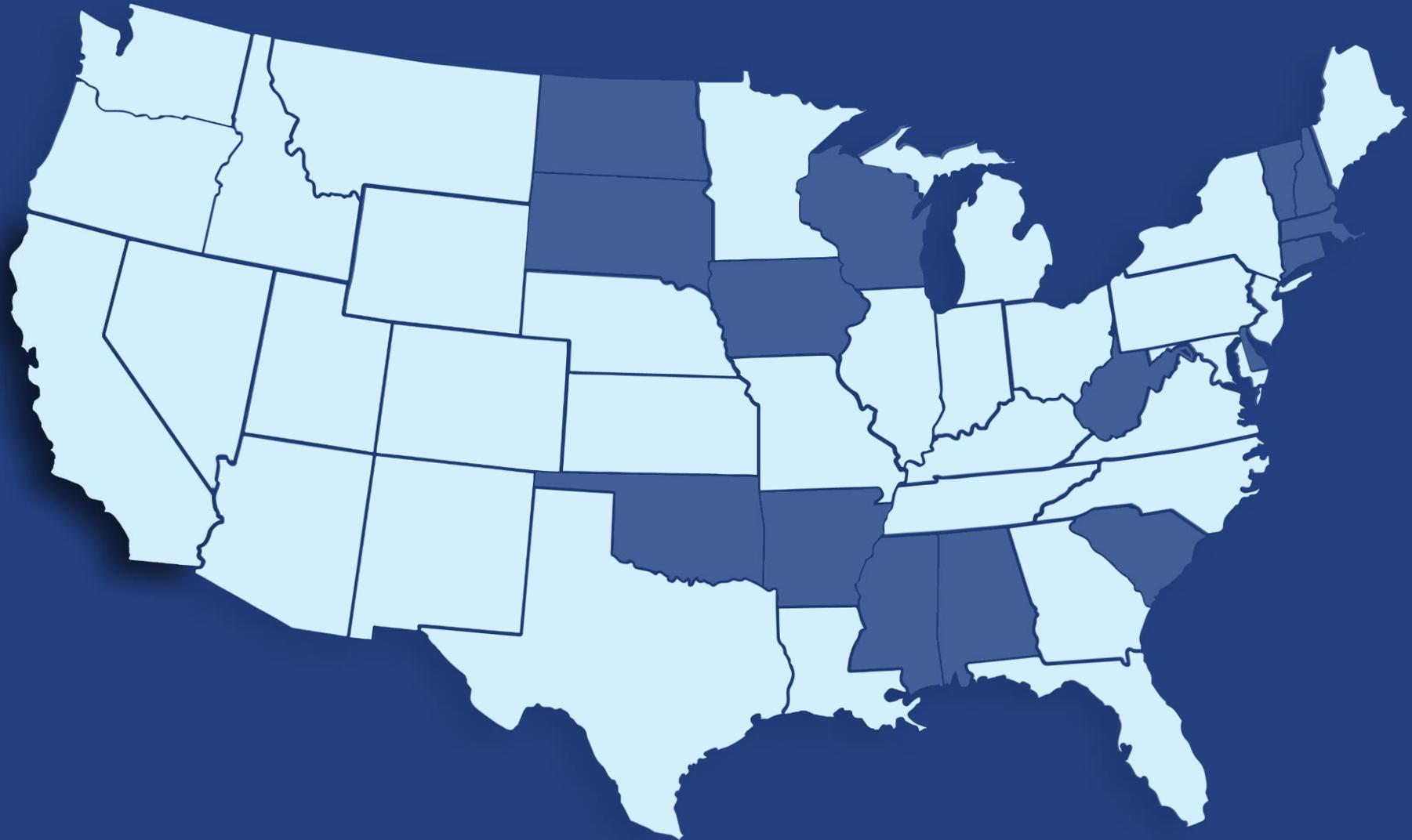


Induced Effects

Housing
Groceries
Retail
Recreation
And more...



CALIFORNIA PROJECT: National Impact



HIGH-SPEED RAIL: Con-fab California, LLC



ECONOMIC IMPACT TOOLS

Economic Impacts of High-Speed Rail Map

Proposed Statewide Alignment

[Jump to](#) <<

REGIONS

- Statewide
- Sacramento
- Central Valley
- Bay Area
- Southern California

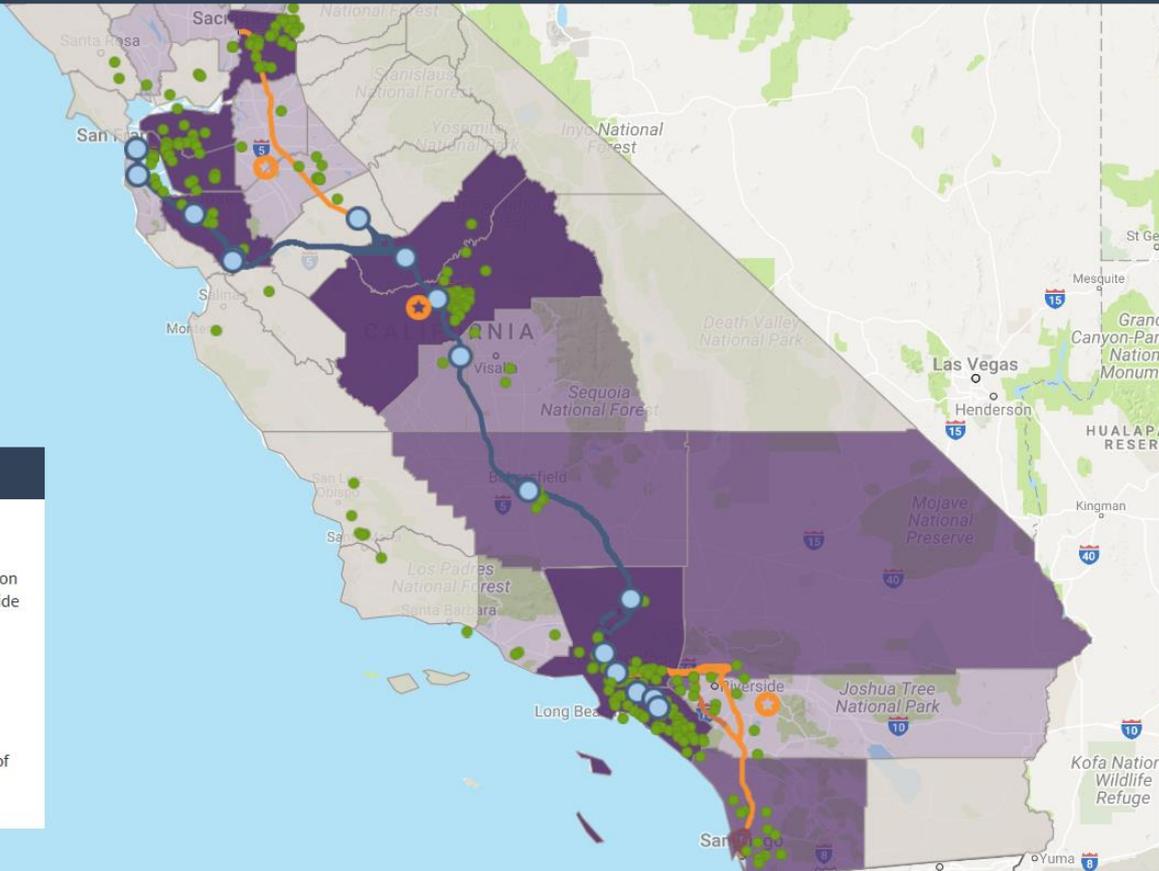
[Glossary of Terms](#)

[Technical Memo](#)

★ Small Business Participation

As of October 2016

334	Certified Small Businesses working on the high-speed rail program statewide
102	Certified Disadvantaged Business Enterprises
39	Certified Disabled Veteran Business Enterprises
12	Certified Small Businesses outside of California



Legends & Layers

- Regions OFF
- County Impacts ON
- Small Business Participation ON
- Disadvantaged Communities OFF
- Stations ON

- ★ Small Business Regions
- Small Business Locations
- Disadvantaged Communities - Top 5%
- Disadvantaged Communities - Top 25%
- Phase 1
- Phase 2
- Phase 1 Proposed Station

[Reset Map](#) [About](#)

[Methodology/Assumptions](#)

County Impacts

Total Job-Years, July 2006-June 2016

0 - 10	100 - 250
10 - 50	> 250
50 - 100	

CONSTRUCTION UPDATE: July 2017



<https://youtu.be/0Yvs5ztTLY0>

SAN FRANCISCO TO SAN JOSE PROJECT SECTION



PROJECT SECTION UPDATE

- Extension of environmental review and outreach process
- An updated schedule will reflect additional time for outreach, information sharing and partner agency and stakeholder coordination

Project
Definition

Design &
Technical
Analysis
Station
Footprint
Outreach

Identify
Preferred
Alternative
Board
Concurrence
Outreach

Release Draft
Environmental
Document
Outreach
Public Hearing

Final
Environmental
Document/
Record of
Decision

SAN FRANCISCO TO SAN JOSE: Range of Alternatives



Alternative A

- Light Maintenance Facility – Brisbane East
- No Additional Passing Tracks
- Aerial Approach to Diridon—Short Viaduct

Elements of the alternatives can be “mixed and matched”

SAN FRANCISCO TO SAN JOSE: Range of Alternatives



Alternative B

- Light Maintenance Facility – Brisbane West
- Additional Passing Tracks
- Aerial Approach to Diridon—Long Viaduct

Elements of the alternatives can be “mixed and matched”

SAN FRANCISCO TO SAN JOSE: Common Project Elements

- **Station Modifications and Dedicated Platforms**

- » San Francisco 4th and King
- » Millbrae (SFO)

- **110 MPH Speeds**

- » Track modifications are required to support higher speeds



Example of “hold-out rule”

- **4 High-Speed Rail trains and 6 Caltrain trains per hour/per direction in the peak period**
- **Safety modifications at 41 at-grade roadway crossings**
 - » Includes 3 planned grade separation projects - 25th, 28th, & 31st Avenues
- **Address hold-out rule at Burlingame Broadway and Atherton Caltrain Stations**
- **Evaluating potential safety modifications at Caltrain-only stations**

OUTREACH UPDATE



NEXT STEPS / FURTHER WORK

- **Continue outreach along the corridor with additional public meetings in:**
 - » San Francisco and Millbrae on high-speed rail stations
 - » Brisbane on the location of a light maintenance facility
 - » San Mateo, Belmont, San Carlos, and Redwood City on potential passing tracks
 - » Santa Clara and San Jose on the aerial approach to Diridon Station
- **Upcoming Outreach**
 - » 8/24 – Local Policy Makers Group
 - » 9/19 – Greater East San Carlos Neighborhood
 - » 10/23 – City of Redwood City
 - » 11/28 – City of Sunnyvale
- **Environmental Justice Outreach Continues**

QUESTIONS & COMMENTS



THANK YOU & STAY INVOLVED

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