STATEWIDE OVERVIEW

CONNECTING CALIFORNIA

• Phase I:
  » 520 Miles
  » San Francisco to Los Angeles/Anaheim

• Phase II:
  » Extends 300 Miles
  » Connections to Sacramento & San Diego
HIGH-SPEED RAIL: Helping Shape Cities

- Ties Economies Together
  » San Jose to Fresno = 60 Minutes
  » Bakersfield to Los Angeles = 60 Minutes
  » San Francisco to Los Angeles = 2 Hours 40 Minutes

- Connects With and Reinforces Local Mobility

- Foundation for Sustainable Growth

- Opportunities for Revitalization in Downtown Cores

HIGH-SPEED RAIL: Benefits to the Community

- Environmental Improvements
  » Reduction in Greenhouse Gas = Air Quality Improvements
  » Habitat Mitigation
  » Resource Preservation

- Community Enhancements
  » Design Guidelines
  » Grade Crossings/Safety Improvements
  » Enhanced Productivity

- Access & Mobility
  » Station Communities
  » Modal Connectivity
  » Ride Share
  » Pedestrian and Bike
CENTRAL VALLEY BACKBONE: Work is Underway

• Construction Package 1: 29 Miles
  » DB: Tutor Perini/Zachry/Parsons
  » PCM: Wong+Harris

• Construction Package 2-3: 65 Miles
  » DB: Dragados/Flatiron
  » PCM: Arcadis

• Construction Package 4: 22 Miles
  » DB: California Rail Builders
  » PCM: HNTB

ENVIROMENTAL PROCESS & PROJECT SCHEDULE
SELECTION OF ENVIRONMENTAL & ENGINEERING TEAM

ENVIRONMENTAL PROCESS & SCHEDULE

• Working to Refine Purpose & Need and Project Definition
  » Reflects implementation of blended infrastructure and operations within Caltrain corridor

• Continue Coordinating Infrastructure Analysis with Caltrain to Define the Project

• Developing Strategy for Complying with:
  » NEPA/CEQA
  » 404/408 Integration MOU

• Continue to Analyze Design Features to Achieve Travel Times
## ENVIRONMENTAL PROCESS & SCHEDULE*

*Analysis in Progress/Subject to Change

<table>
<thead>
<tr>
<th>Segment</th>
<th>Due Dates</th>
<th>Progress</th>
<th>Purpose &amp; Need Statement</th>
<th>Alternatives Analysis</th>
<th>Initial Preferred Alternative</th>
<th>Draft EIS</th>
<th>Final EIS / ROD / Permitting</th>
<th>Date PFE Phase To Be Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>San Francisco to San Jose</td>
<td>Last Month</td>
<td>Dec-15</td>
<td>65%</td>
<td>Complete</td>
<td>Complete</td>
<td>Jan-16</td>
<td>Jan-17</td>
<td>Nov-17</td>
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<tr>
<td></td>
<td>Current Month</td>
<td>Jan-16</td>
<td>Last Month</td>
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<td>Last Month</td>
<td>Jan-17</td>
<td>Nov-17</td>
<td>Nov-17</td>
</tr>
</tbody>
</table>

*Analysis in Progress/Subject to Change

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## PROJECT DESCRIPTION

![California High-Speed Rail Authority Logo]

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1/26/2016
CONNECTING CALIFORNIA: Northern California

- Improves Mobility & Upgrades Bay Area Transportation Infrastructure
- Connects Bay Area to Central Valley
- Blended System Along Peninsula
- Multi-Model Transportation Hubs
  » Transbay Transit Center
  » Millbrae Transit Center
  » San Jose Diridon Station
  » Gilroy Station

BLENDED SYSTEM: SAN FRANCISCO TO SAN JOSE

- 51-Mile Corridor
- Blended Service on Electrified Caltrain Corridor
- Stations Being Studied:
  » 4th and King
  » Millbrae-SFO
  » Mid-Peninsula Option
  » San Jose (Diridon)
PROJECT DESCRIPTION

• This Project Section is not like the others…
  » Not drawing new lines on a map and comparing them
  » Alignment defined by state legislation and regional, multi-agency agreement
  » High-speed service will be blended with existing, commuter service
  » Largely on two tracks within Caltrain right-of-way
  » Design and implemented in a manner that will achieve compliance
  » Operations of four trains per peak hour per direction

PROJECT DESCRIPTION

• Elements of Blended Service:
  » Safety Improvements
  » Track Adjustments
  » Grade Crossing Treatments
    • Fencing, Quad Gates, Grade Separations
  » Passing Track(s)
  » Train Storage and Maintenance Facility
  » Station Elements
BLENDED SERVICE ELEMENTS

• Safety Improvements
  » Perimeter Fencing
  » Four-Quadrant Gates at At-Grade Crossings
    • Existing one Set of Four-Quadrant Gates at Fair Oaks Lane

• Track Adjustments
  » Upgrades: Supports Faster Trains
  » Curve Straightening: Supports Higher Speeds
  » Relocation: Accommodates Improved Track Geometry

BLENDED SERVICE ELEMENTS

• Grade Crossing & Separations
  » 42 At Grade Road Crossings
    • 2 = City and County of San Francisco
    • 30 = San Mateo County
    • 10 = Santa Clara County

• Grade Separations to be Considered:
  » Where roadway traffic impact analysis indicates
  » Where mutually supported by communities and local municipalities
  » Where required by higher speeds, per regulation
BLENDED SERVICE ELEMENTS

• Three Tracks Exist Now To Support Service:
  » Near Bayshore Station
  » Near Redwood City Station
  » Near Lawrence Station

• Passing Tracks
  » Necessary Four-Track Section to Allow High-Speed Trains to Bypass Slower, Commuter Service

• Considering Various Design Options for Additional Passing Tracks:
  » Multiple Locations Under Review

BLENDED SERVICE ELEMENTS

• Train Storage and Maintenance Facility
  » Purpose
    • Overnight storage of train sets
    • Cleaning and light maintenance
    • Restocking (e.g. café and restrooms)
    • Located near terminal for maximum efficiency

• Locations Under Consideration:
  » Brisbane
  » Gilroy
BLENDED SERVICE ELEMENTS

• Station Integration & Locations:
  » Transbay Transit Center
  » 4th and King
  » Millbrae Intermodal Station
  » San Jose Diridon Station
  » Potential Mid-Peninsula Station

• High-Speed Rail Station Elements:
  » Raised, Lengthened, Straightened Platforms
  » High-speed Passenger Services And Facilities (e.g. Ticketing, Information)

COMMUNICATIONS & OUTREACH
COLLABORATIVE APPROACH

COMMUNITY ENGAGEMENT: Balancing Needs

- Leverage High-Speed Rail Investment To Deliver Value Added Opportunities
  » Environmental Opportunities
  » Access & Mobility Improvements
  » Community Enhancements
  » Jobs and the Economy
  » Stations

- Engagement in Planning and Environmental Process
  » Identify and Prioritize Opportunities for All Communities
  » Ongoing Reporting of Technical Work
  » Receive Input and Feedback
In Collaboration and Partnership:
» Resource Agency Coordination
» Stakeholder Briefings/One-on-One Meetings
» CSCG/Local Policymaker Group
» Community Working Groups
» Public Outreach Meetings
STAY INVOLVED

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