AGENDA

• Caltrain System Overview
• Project Overview
• Palo Alto Construction Activities
• Questions
CALTRAIN SYSTEM

- 32 Stations Gilroy to San Francisco
- 92 Weekday Trains
- At-Grade Crossings, Viaducts, and Bridges
- Intermodal Connections
- Bike Commuters
**PROJECT DESCRIPTION**

**Project Area**
- 51 miles
- San Francisco to San Jose (Tamien Station)

**Project Elements**

**Electrification**
- Overhead Contact System (OCS)
- Traction Power Facilities

**Electric Trains**
- 19 7-car train sets
- 133 electric cars

*Includes 2018 State TIRCP Funding*
PROJECT DESCRIPTION

Service Elements

Speed
• Up to 79 mph

Service Increase
• 6 trains / hour / direction
• More station stops / reduced travel time
• Restore Atherton & Broadway service

Mixed-fleet Service (interim period)
Continue Tenant Service
• ACE, Capitol Corridor, Amtrak, Freight
PROJECT BENEFITS

- Improved Train Performance, Increased Service and Greater Capacity
- Improved Regional Air Quality and Reduced Greenhouse Gas Emissions
- Positive Economic Benefits for the Region
- Reduced Engine Noise Emanating from Trains
- Increased Revenue and Reduced Fuel Cost
SCHEDULE

* Note: Schedule subject to change
CONSTRUCTION PHASING

- 51 Miles Corridor
- 4 Work Segments
- 3,000 Poles
- 10 Traction Power Facilities
# FIELD WORK PROGRESSION

<table>
<thead>
<tr>
<th>Work Completed</th>
<th>Work In Progress</th>
<th>Future Work</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Utility Survey</td>
<td>• Tree Pruning/Removal</td>
<td>• Pole Installation</td>
</tr>
<tr>
<td>• Geotechnical Investigations</td>
<td>• Potholing</td>
<td>• Wire Installation</td>
</tr>
<tr>
<td>• Disposal of Soil from Geotechnical Investigations</td>
<td>• Foundation Installation</td>
<td>• Paralleling Station Construction</td>
</tr>
<tr>
<td>• Soil Resistivity Testing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Site Surveys</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Signal Cable Inspections</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**FUTURE CONSTRUCTION**

**Palo Alto**

<table>
<thead>
<tr>
<th>Date</th>
<th>Work Activity</th>
<th>Expected Completion*</th>
</tr>
</thead>
<tbody>
<tr>
<td>In Progress</td>
<td>Tree Pruning/Removal</td>
<td>Spring 2020</td>
</tr>
<tr>
<td>In Progress</td>
<td>Potholing</td>
<td>Spring 2020</td>
</tr>
<tr>
<td>In Progress</td>
<td>Foundation Installation</td>
<td>Spring 2020</td>
</tr>
<tr>
<td>February 2020</td>
<td>Pole Installation</td>
<td>Fall 2020</td>
</tr>
<tr>
<td>Spring 2020</td>
<td>Wire Installation</td>
<td>Fall 2020</td>
</tr>
<tr>
<td>Summer 2020</td>
<td>Paralleling Station Construction</td>
<td>Spring 2021</td>
</tr>
</tbody>
</table>

*Expected completion period indicate first and last day of activity. Number of actual workdays will be fewer.*
FOUNDATION CONSTRUCTION

- Excavation
- Rebar and Anchor Installation
- Electrical Grounding
- Concrete Fill
FOUNDATION INSTALLATION
POLE INFORMATION

• 3,000 Installed throughout Corridor
  • Approx. 196 poles in Palo Alto
• Pole Height: 30-50’
• Pole Spacing: ~180’ apart
Example of Poles Planned for Use in Mountain View
POLE INSTALLATION

Current Pole Installation
STRINGING WIRE
TRACTION POWER FACILITIES

• 10 Traction Power Facilities Installed throughout Corridor
  - 1 Paralleling Station installed in Palo Alto
  - Gantry structures up to 50’

• Provides electrical power to trains through the Overhead Contact System

• Unmanned station

• Day and weekend construction work

• Limited night work during construction
EXAMPLE PARALLELING STATIONS

Vegetation Screening Will Be Provided
CONSTRUCTION INFORMATION

- Work will occur during day and night
- Some 24-hour weekend work
- Crews will utilize acoustical barrier blankets and position lights away from homes
- Dedicated hotline for construction complaints
PUBLIC OUTREACH

CalTrain Electrification Project
Status Update | January 2018

Milestones

CalMod

CalTrain Modernization Program
Test Pile Construction Activities

Daytime Work
08/28/17 - 09/1/17

Anticipated Work Hours
7:00 a.m. - 5:00 p.m.

Crews Conducting Work in Your Area
To Install and Test Foundation Piles

During the week of August 28, Caltrain electrification crews will be working in your area to construct one test pile foundation for integrity testing. The piles will be installed within the Caltrain right-of-way.

These are just a few examples of how Caltrain and the CalMod program are innovating to better serve the Bay Area. Learn more at CalMod.org and stay in touch with us on social media!

Postcard

Factsheet

Public Meeting

For more information:
www.calmod.org
info@caltrain.com

CalMod.org
PUBLIC OUTREACH

• Subscribe to Weekly Updates
  – Visit www.calmod.org/get-involved
• Social Media
• Construction Outreach Office
WHAT’S NEXT

- Caltrain Business Plan
  - Caltrain2040.org
- High-Speed Rail Blended System
  - hsr.ca.gov
- Caltrain Downtown Extension
  - sfcta.org/transbay-transit-center
- Diridon Concept Plan
  - DiridonSJ.org
CALMOD CONTACT INFORMATION

WEEKLY UPDATES  CalMod.org/get-involved

EMAIL  CalMod@caltrain.com

PHONE  650-399-9659
     800-660-4287 (Toll Free)

OFFICE  2121 S. El Camino, Suite A-100
         San Mateo, CA 94403

WEBSITE  CalMod.org

FACEBOOK  www.facebook.com/caltrain

TWITTER  @caltrain