Corridor Electrification Environmental Process

Local Policy Maker Group
December 2012
Peninsula Vision

• Blended System

• Concept
  – Electrify / Upgrade railroad
  – Maximize use of existing tracks
  – Caltrain and HSR on shared tracks
  – Support freight and other passenger services

• Key Benefits
  – Minimize community impact
  – Lower project cost
  – Advance project delivery
Operational Analysis (LTK Engineering)

- Blended system concept has merit
- Capacity: Up to 10 trains / hour / direction
- Speed: Up to 79mph and 110mph

<table>
<thead>
<tr>
<th># of Trains</th>
<th>Without Passing Tracks</th>
<th>With Passing Tracks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Caltrain</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>HSR</td>
<td>2</td>
<td>4</td>
</tr>
</tbody>
</table>
Regional 9 – Party Funding MOU

• Blended System Commitment

• 1st Incremental Investment
  – $1.5B for Corridor Electrification
  – $705M from HSR State Bond
  – Remainder from other local, regional, state and federal sources
  – Caltrain electric service by 2019

• Future Incremental Investments
  – Projects and funding TBD
  – Blended HSR service by 2026-2029
Environmental Process
ICF: Environmental Program Manager

✓ ICF has been one of Samtrans on-call environmental contractors in recent years.

✓ Prior rail and transit CEQA/NEPA experience in California and with FTA (BART, etc.).

✓ Locally-based program manager and staff with peninsula experience.
Corridor Improvement Plan: Environmental Process Sequencing

**Project:** Advanced Signals (PTC/CBOSS)
- **Environmental Document:** Categorical Exemption/Categorical Exclusion
- **Lead Agencies:** Caltrain and FTA
- **Environmental Schedule:** Completed
- **Project In-Service Date:** 2015

**Project:** Corridor Electrification (6 Caltrain per peak hour = “6-0”)
- **Environmental Document:** Environmental Impact Report/Environmental Assessment
- **Lead Agencies:** Caltrain and FTA
- **Environmental Schedule:** 2013 - 2014
- **Project In-Service Date:** 2019

**Project:** Blended Service (6 Caltrain + Up to 4 High-Speed Rail = “6 + up to 4”)
- **Environmental Document:** Environmental Impact Report/Environmental Impact Statement
- **Lead Agencies:** CHSRA and FRA
- **Environmental Schedule:** TBD
- **Project In-Service Date:** 2026/2029
Electrification Environmental Clearance

- Distance: 51 miles (4th and King to Tamien)
- Speed: Up to 79 mph
- Service: 6 trains / ph / pd
- Infrastructure / Vehicles
  - Poles and Wires (OCS)
  - Traction Power Facilities (TPF)
  - Electric Powered Vehicles (EMU)
Cumulative Analysis

• For future anticipated / related projects

• Key projects:
  – MTC Regional Transportation Plan
  – Blended Service (Up to 2 and 4 HSR trains)
  – SF Downtown Extension (DTX)
  – Local Development Plans
Simulation: Main Line
Simulation: At Station
Simulation: At Station
Simulation: Traction Power Station
Positive Environmental Impacts

- Regional congestion
- Energy consumption
- Air pollutants
- Greenhouse gas emissions
- Noise
- Vibration
Environmental Impact Issues

- Noise
- Traffic
- Visual Aesthetics
- Land Use Compatibility
- Other CEQA/NEPA Subjects
- Cumulative Impacts
Key Schedule Milestones

- January/February 2013: Public Scoping
- Fall/Winter 2013: Draft EIR/EA
- Spring/Summer 2014: Final EIR/EA
- Summer/Fall 2014: Project Approval