

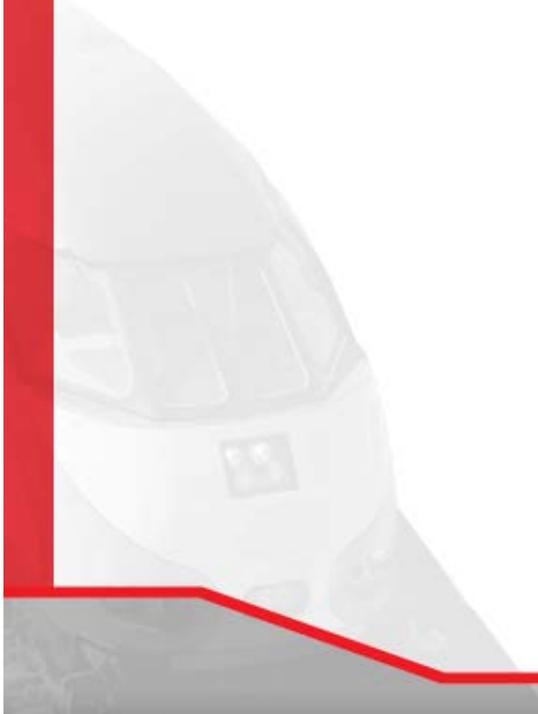


Corridor Electrification Environmental Process

*Local Policy Maker Group
December 2012*



Context





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

# of Trains	Without Passing Tracks	With Passing Tracks
Caltrain	6	6
HSR	2	4



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



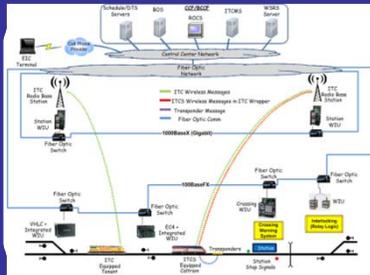


ICF: Environmental Program Manager

- ✓ 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 79mph
- 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



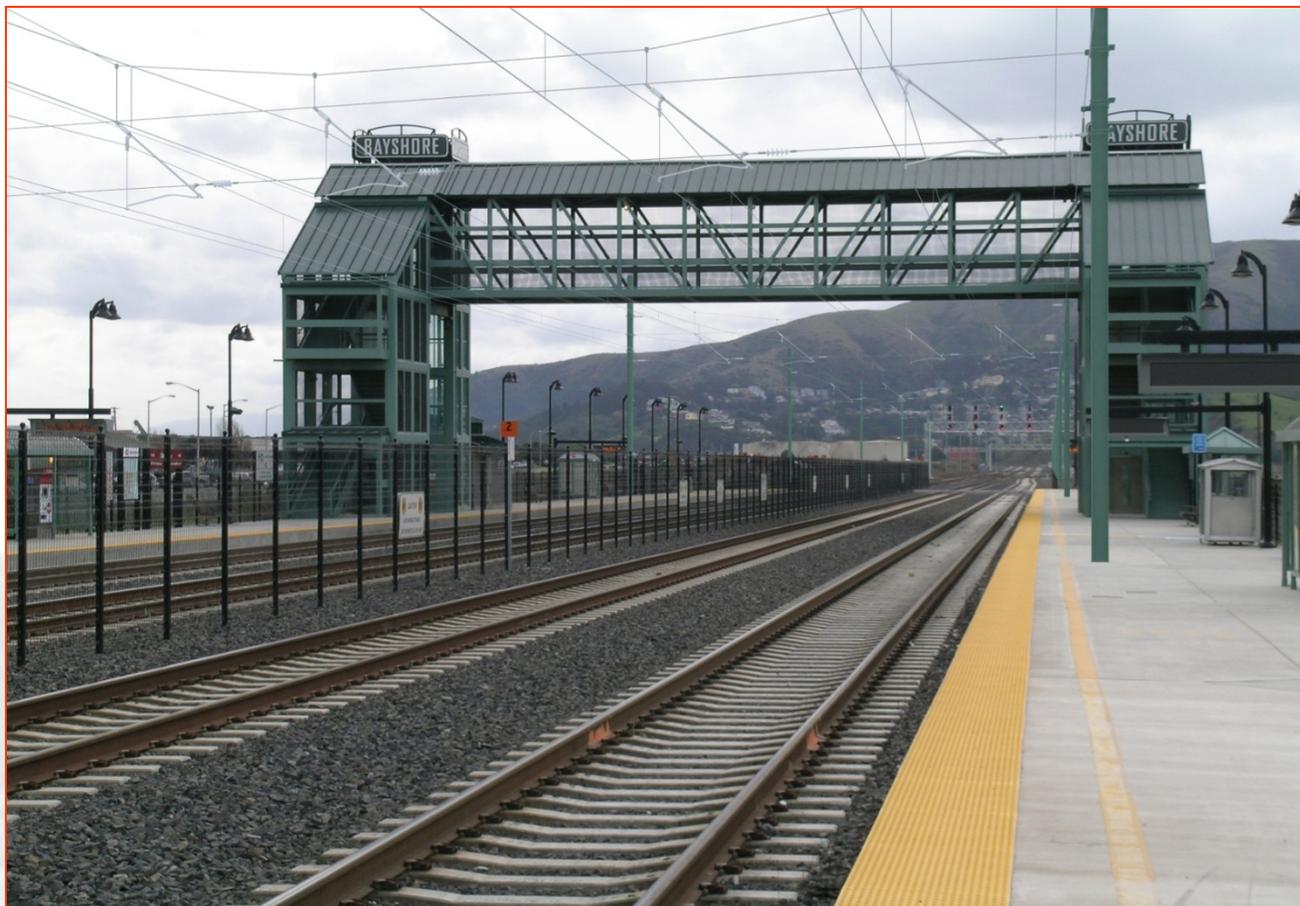


Simulation: At Station





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



Q/A

