

Caltrain

Context

- HSR approved by voters
- Caltrain corridor selected to support HSR
- Both systems need electrified corridor
- Caltrain and HSR partnership
- Combine resources to modernize corridor



HSR Original Plan

- "Full Build" project in peninsula
 - 4 track system
 - Fully grade separated
- Local rejection
- HSR "Full Build" design & project environmental activities in peninsula on hold



Peninsula Vision

- Elected officials call for "blended system"
- · What is it?
 - Electrified railroad from SJ to downtown SF
 - Support both Caltrain and HSR
 - Maximize use of existing tracks
- Why?
 - Minimize community impact
 - Lower project cost
 - Advance project delivery

Cal train

Is the Blended System Feasible?

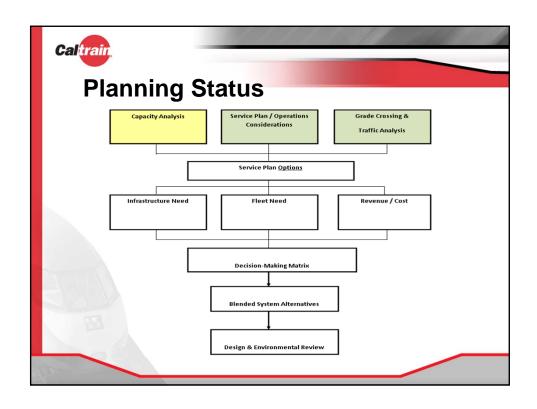
- Multiple considerations
- 1st address operational feasibility
- Computer simulation of existing railway
 - Existing mainline tracks
 - Electric system with advanced signal system
 - 3 HSR stations
 - Passing tracks

Caltrain

Key Findings

- · Blended system concept has merit
- Potential: Up to 10 trains / hour / direction
- Speeds up to 79mph and 110mph

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







Context

- HSR Draft Business Plan
 - Includes blended system concept
 - Discusses early investment in existing rail systems
- Input to HSR Revised Plan
 - Identification of early investment projects
 - Southern CA projects defined
 - Bay area projects being defined



Early Investment Parameters

- Located in HSR SJ to SF segment
- Support Caltrain modernization & blended system
- Do not compromise local planning process
- Short-term timeframe
- Funding: Prop 1A and match (up to \$2B?)



Draft Proposal

- Vision: Blended System to downtown SF
- Early Investment
 - Electrified Caltrain service
 - Caltrain/HSR transfer at Diridon
- Recommended Priority Projects
 - Advanced signal system (\$231M)
 - Caltrain electrification (\$785M)
 - Electric trains (\$440M)
 - Infrastructure upgrade (TBD)
 - Rail crossings upgrade (TBD)
 - SF / SJ (TBD)



Draft Proposal, cont.

- Additional Investment
 - HSR one-seat ride LA to SF
 - Cost and funding TBD
- Key Projects
 - DTX
 - HSR and Caltrain system integration
 - Infrastructure upgrade
 - Stations upgrade
 - Rail crossings upgrade
 - Passing Tracks TBD
 - Storage and Maintenance Facility TBD



Outreach

- City/County staff coordination
- Transportation agency coordination
- Public meetings
 - CC meetings as requested
 - SM Rail Corridor (February 29th)
 - PCC (March 2nd)



Upcoming Transportation Meetings

- JPB meeting March 1st
- MTC meeting March 28th
- HSR Board meeting April 5th

