SAN FRANCISCO TO SAN JOSE PROJECT SECTION

Staff-Recommended State's Preferred Alternative Community Working Group Meetings
July 2019



AGENDA

July 2019 San Francisco to San Jose Project Section Community Working Groups

- » Introductions & Agenda Review
- » Refining the Alternatives: Collaboration with Partner Agencies, Stakeholders, and Members of the Public
- » Characteristics of Alternatives
- » Identifying a Preferred Alternative
- » Discussion of the Staff-Recommended State's Preferred Alternative
- » Next Steps
- » Public Comment

OBJECTIVES

- Share Staff-Recommended State's Preferred Alternative and process for selecting the State's Preferred Alternative.
- Provide CWG members with an opportunity to discuss the staff recommendation.
- Collect CWG feedback on the Staff-Recommended State's Preferred Alternative.

Staff will summarize the comments received at today's meeting and report to the Authority Board for consideration with the recommended State's Preferred Alternative on September 17, 2019.

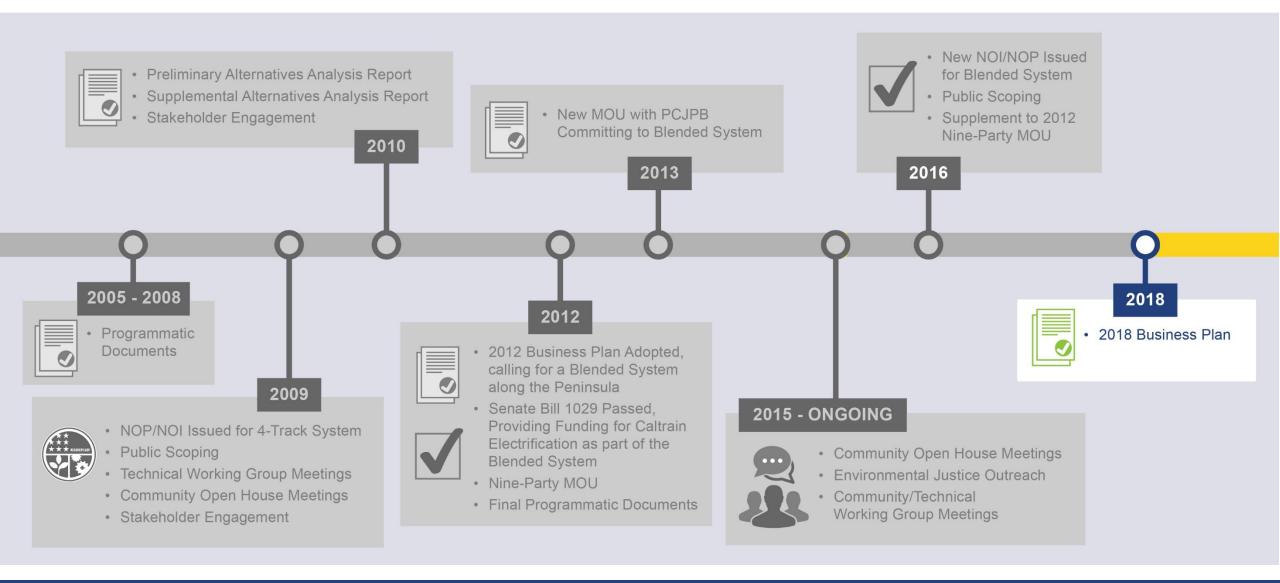
Identifying the State's Preferred Alternative does not approve or adopt a preferred alternative for final design or construction.

REFINING THE ALTERNATIVES:

Collaboration with Partner Agencies, Stakeholders, and Members of the Public

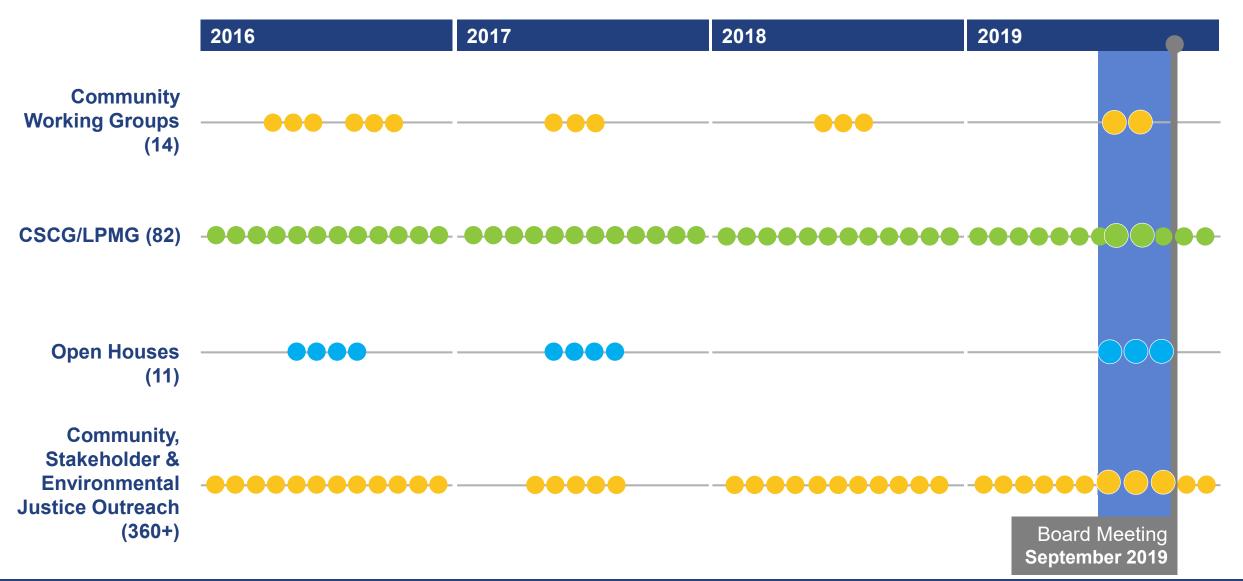


ALTERNATIVES DEVELOPMENT



SAN FRANCISCO TO SAN JOSE COMMUNITY OUTREACH

2016 - 2019



INTERFACING WITH NORTHERN CALIFORNIA AGENCIES

Topics covered in 2018 - 2019

	ALIGNMENTS	WATER MANAGEMENT	TRANSPORTATION/ ROADS	ENGINEERING/ DESIGN	LAND USE	JOINT OUTREACH	2018 BUSINESS PLAN
Bay Area Rapid Transit							
California Strategic Growth Council							
Caltrain							
Caltrans District 4							
City and County Staff (throughout corridor)							
Floodplain Administrators and Managers							
Metropolitan Transportation Commission							
Mineta San Jose International Airport							
San Francisco Bay Conservation and Development Commission							
San Francisco International Airport							
Santa Clara Valley Transportation Authority							
Transbay Joint Powers Authority							

KEY ISSUES IDENTIFIED DURING OUTREACH

- Aesthetic impacts and visual quality
- Brisbane LMF: air quality, visual, and noise impacts of construction and operation
- Compatibility of project design with future land use development
- Displacements
- Employment opportunities
- Encroachment on BCDC jurisdiction
- Impacts on Caltrain and other transit services
- Noise and vibration
- Safety and security at at-grade crossings and on station platforms
- Traffic congestion



STATE'S PREFERRED ALTERNATIVE



CHARACTERISTICS OF ALTERNATIVES



OVERVIEW

- There are differences between the two alternatives and the staff recommendation is based on stakeholder input and analyses completed to date.
- All alternatives will be analyzed at an equal level of detail and described in the published Draft EIR/EIS.

SAN FRANCISCO – SAN JOSE PROJECT ALTERNATIVES A AND B

San Francisco to San Jose Project Section

Alternative A Features

East Option Light Maintenance Facility
No Additional Passing Tracks

Alternative B Features

West Option Light Maintenance Facility
Additional Passing Tracks

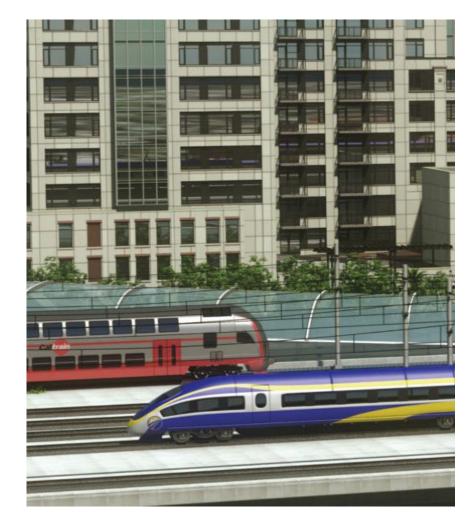
HSR Stations
San Jose to Merced Alignments
Downtown Extension



SAN FRANCISCO TO SAN JOSE

Common Project Elements – Alternatives A & B

- High-Speed Rail stations¹
 - » San Francisco 4th and King
 - » Millbrae
- Up to 110 mph speeds
- » Track modifications to support higher speeds
- Peak operations
 - » 4 High-Speed Rail trains and 6 Caltrain trains per hour/per direction



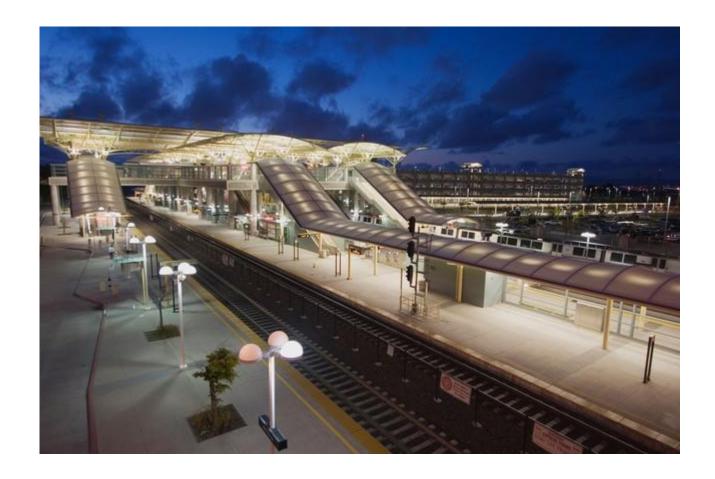
¹ Salesforce Transit Center has been environmentally cleared by Transbay Joint Powers Authority and will not be part of the California High-Speed Rail Authority's environmental analysis. San Jose Diridon Station is being evaluated as part of the San Jose to Merced Project Section but will be included in both project sections' environmental analysis.



SAN FRANCISCO TO SAN JOSE

Common Project Elements – Alternatives A & B

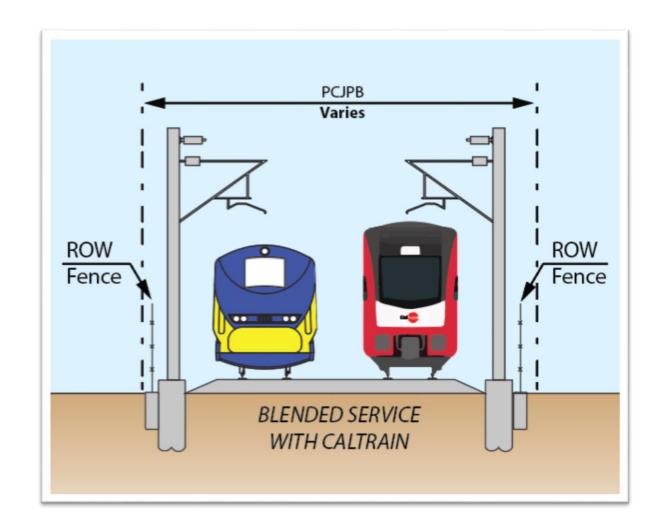
- Remove hold-out rule at Broadway and Atherton Caltrain Stations
- Safety modifications at Caltrain-only stations and at-grade crossings
- Corridor fencing

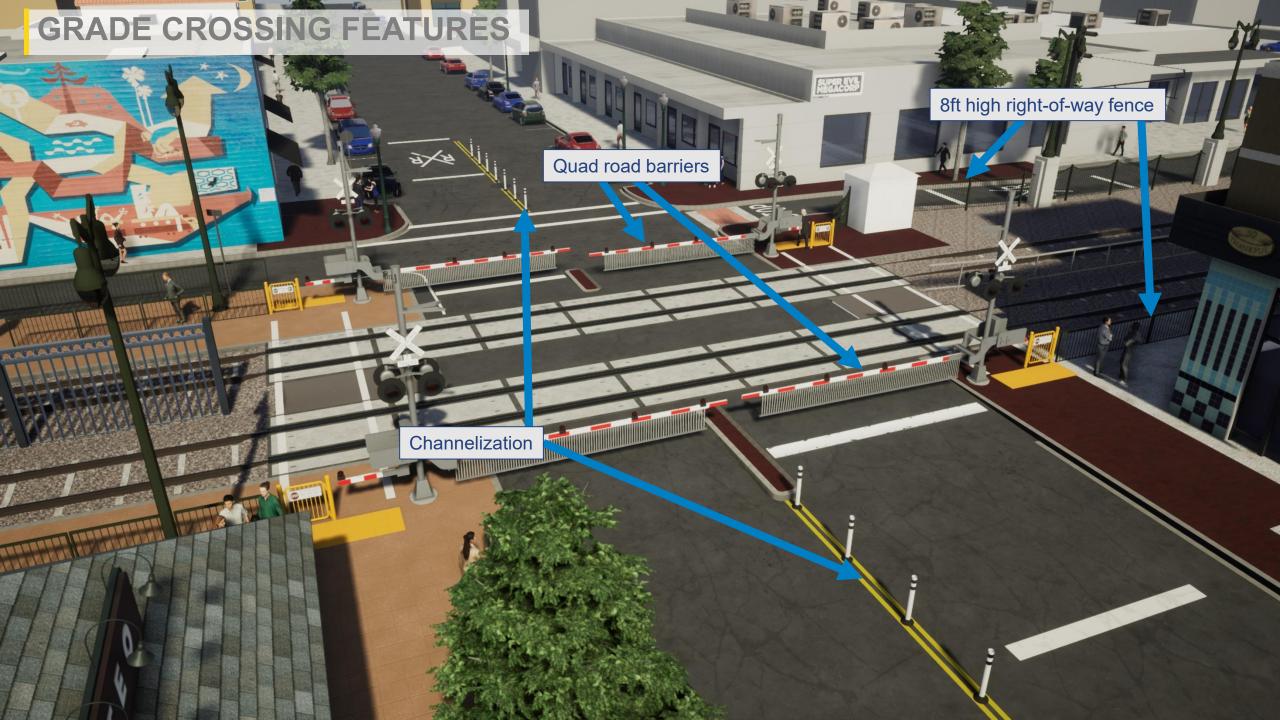


BLENDED AT-GRADE

Typical Section North of Santa Clara

- Uses Caltrain electrification infrastructure and tracks
- Predominantly within the existing railroad right-of-way
- At-grade tracks with quad gates at each road crossing





LIGHT MAINTENANCE FACILITY

Alternatives Carried Forward

Brisbane



Alternative A

M East

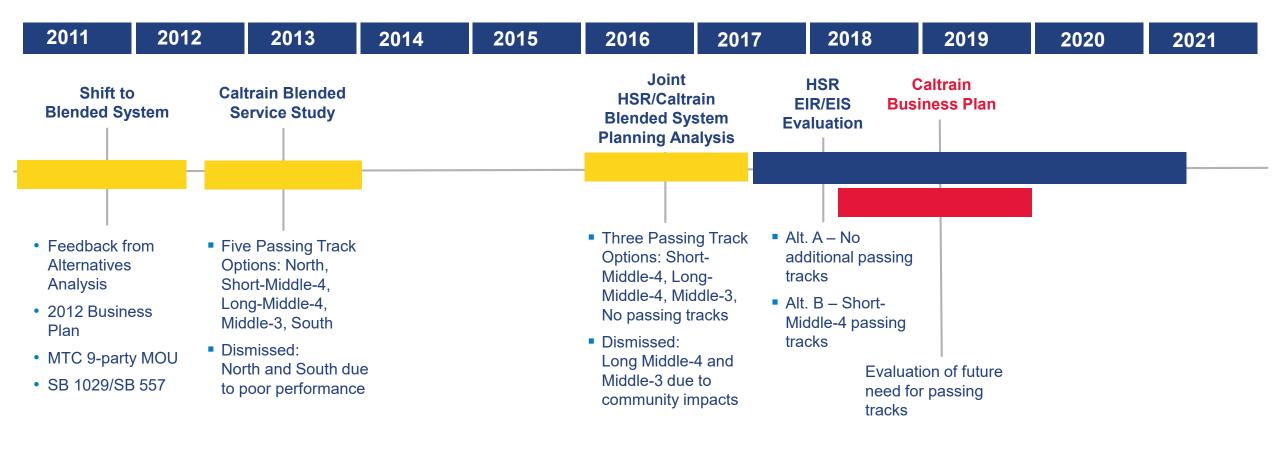


Alternative B

West



PASSING TRACKS EVALUATION TIMELINE



PASSING TRACKS

Alternatives Carried Forward

- Alternative A: No Additional Passing Track Option
- Alternative B: Short-Middle 4-Track Passing Track Option (6 miles)
 - » San Mateo to Redwood City
 - » Adjacent to 1.8 miles of residential uses
- » Relocates San Carlos Caltrain station

Note: "Middle" means middle of the corridor



IDENTIFYING A PREFERRED ALTERNATIVE



PREFERRED ALTERNATIVE CRITERIA

System Performance, Operations, & Costs

- Alignment Length
- Maximum Authorized Speed
- Proximity to Transit Corridors
- Travel Time
- Capital Costs
- Operations & Maintenance Costs



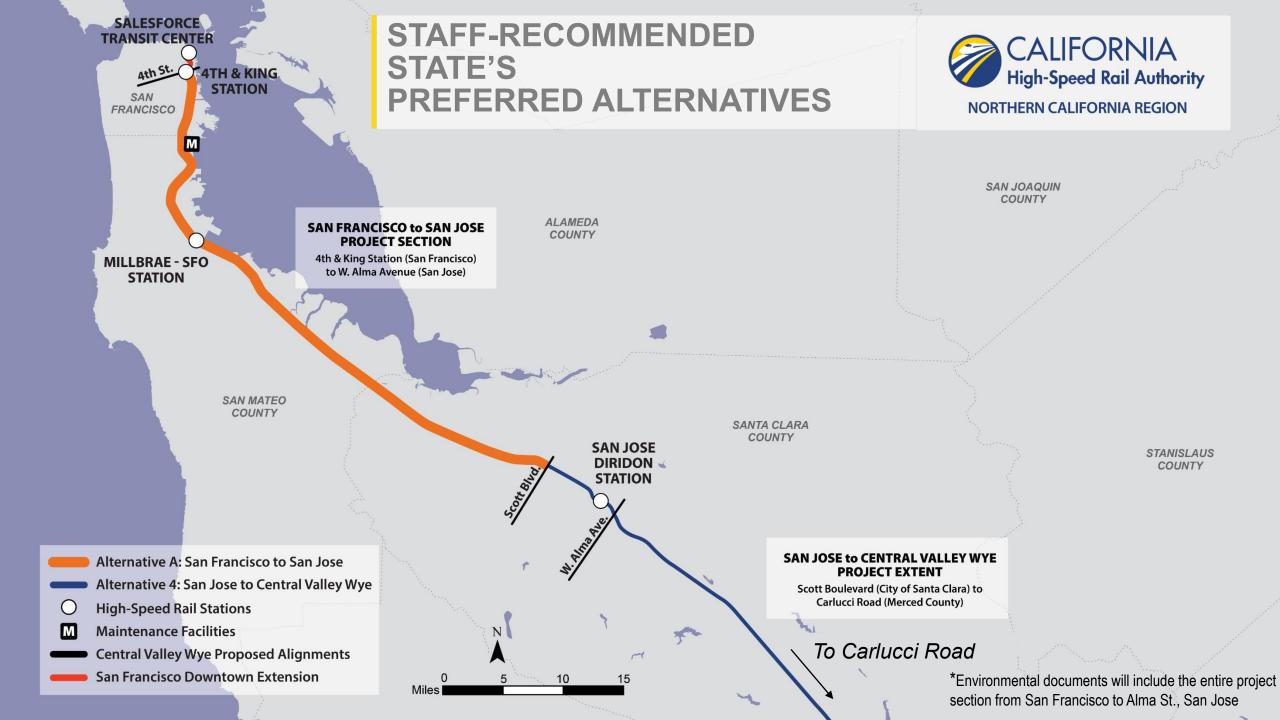
Environmental Factors

Biological and Aquatic Resources

Community Factors

- Displacements
- Aesthetics and Visual Quality
- Land Use and Development
- Transportation
- Emergency Vehicle Access/Response Time
- Environmental Justice

All data is preliminary and subject to change



SYSTEM PERFORMANCE, OPERATIONS AND COSTS¹



Bold text in tables indicates best-performing alternative(s).

CRITERIA	ALT A	ALT B	
Alignment length (miles)	42.9		
Maximum Operating Speed (mph)	Up to 110		
HSR Peak Hour Average Representative Travel Time San Francisco to San Jose (minutes)	47	45	
Proposition 1A Service Travel Time Compliance	✓	✓	
Estimated Capital Costs (2017\$)	\$2.6 billion	\$3.5 billion	
Estimated Annual Operations and Maintenance Costs (2017\$)	\$78 million		
Caltrain Peak Hour Average Representative Travel Time (minutes)	63	65	

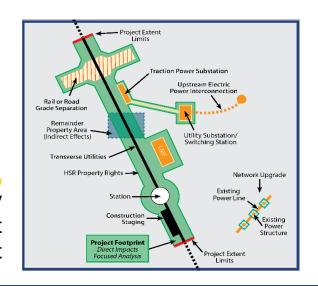
¹ Operational service time includes station stops, schedule pad, and other operating parameters

DISPLACEMENTS



Bold text in tables indicates best-performing alternative(s).

CRITERIA	ALT A	ALT B
Residential displacements (number of units)	10	19
Commercial and industrial displacements (# of businesses)	29	108
(square feet)	211,261	466,084
Community and public facilities displacement (number of units)	2	4



Example: overlay of footprint in urban area



HSR Temporary and permanent footprint

AESTHETICS AND VISUAL QUALITY



Bold text in tables indicates best-performing alternative(s).

CRITERION	ALT A	ALT B
Number of key viewpoints with decreased visual quality	3	5





LAND USE AND DEVELOPMENT





- Both alternatives potentially reduce available land for development at Brisbane Baylands
- Alternative B would also convert 8 acres of land at Icehouse Hill

Permanent Project Footprint Land Use Residential Heavy Commercial Commercial Public Facilities Mixed Use Planned Development



Alternative A

M East

Impacts 93 acres planned commercial and 2 acres planned mixed use (with residential permitted)



Alternative B

M West

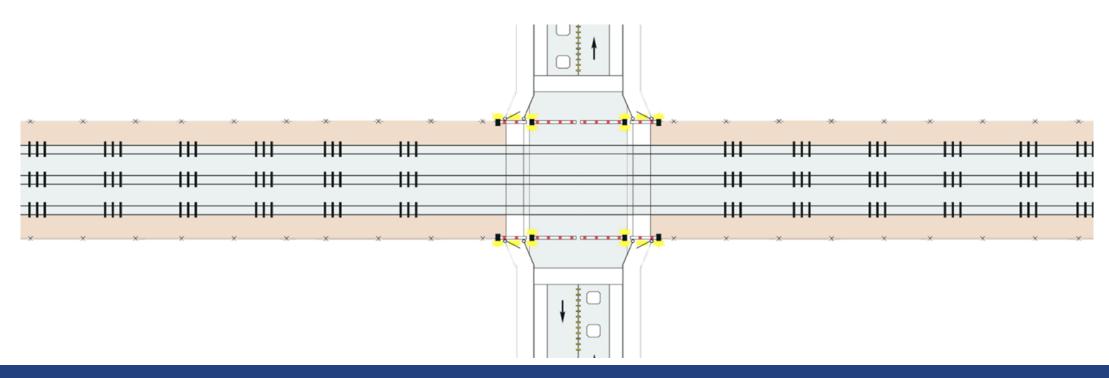
Impacts 90 acres planned commercial and 21 acres planned mixed use (with residential permitted)

TRANSPORTATION

Community Factors

Bold text in tables indicates best-performing alternative(s).

CRITERIA	ALT A	ALT B		
Temporary interference with local vehicle circulation	No Change	Along El Camino Real during passing track construction		
Pedestrian Access from Downtown San Carlos to Caltrain Station	No Change	Reduced pedestrian access due to the relocation of the station 2,260 feet south of current location		



EMERGENCY VEHICLE ACCESS/RESPONSE TIME



Bold text in tables indicates best-performing alternative.

CRITERION	ALT A	ALT B
Temporary increases in emergency vehicle access/response time in south San Mateo, Belmont, San Carlos, and northern Redwood City due to short-term road closures and construction traffic associated with passing track construction	None	Yes

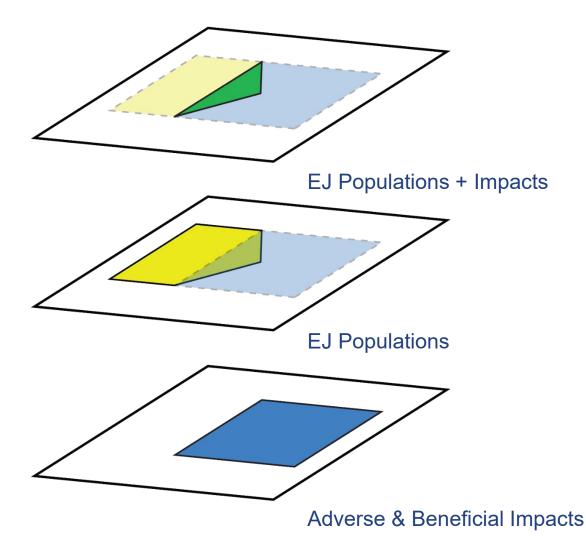


ENVIRONMENTAL JUSTICE



Bold text in tables indicates best-performing alternative(s).

CRITERIA	ALT A	ALT B
Construction-related disruption to Caltrain Service	Less than Alt. B due to no passing track construction	More than Alt. A due to passing track construction
Permanent Effect on Planned Mixed Use Development (residential uses allowed) in Brisbane (acres)	2	21



BIOLOGICAL AND AQUATIC RESOURCES



Bold text in tables indicates best-performing alternative(s).

CRITERIA	ALT A	ALT B
Total permanent impacts on wetlands and other waters of the U.S. (acres)	8.8	12.8
Permanent Impacts on endangered callippe silverspot butterfly habitat (acres)	0.0	8.0



SUMMARY OF ALTERNATIVES EVALUATION – SYSTEM PERFORMANCE, OPERATIONS, AND COST FACTORS¹

CRITERIA	ALT A	ALT B	
Alignment length (miles)	No Difference		
Maximum Operating Speed (mph)	No Difference		
HSR Peak Hour Average Representative Travel Time San Francisco to San Jose (minutes)			
Proposition 1A Service Travel Time Compliance	✓	✓	
Estimated Capital Costs (2017\$)			
Estimated Annual Operations and Maintenance Costs (2017\$)	No Diff	ference	
Caltrain Peak Hour Average Representative Travel Time (minutes)			

⁼ Best-performing alternative

¹ Operational service time includes station stops, schedule pad, and other operating parameters

SUMMARY OF ALTERNATIVES EVALUATION – COMMUNITY FACTORS

CRITERIA	ALT A	ALT B
Residential displacements		
Commercial and industrial displacements	•	
Community and public facilities displacement		
Number of key viewpoints with decreased visual quality	•	
Temporary interference with local vehicle circulation	•	
Pedestrian Access from Downtown San Carlos to Caltrain Station	•	
Temporary increases emergency response time in south San Mateo, Belmont, San Carlos, and northern Redwood City due to short-term road closures		
Construction-related disruption to Caltrain Service		
Permanent Effect on Planned Mixed Use Development (residential uses allowed) in Brisbane		

= Best-performing alternative (fewest/least community impacts)

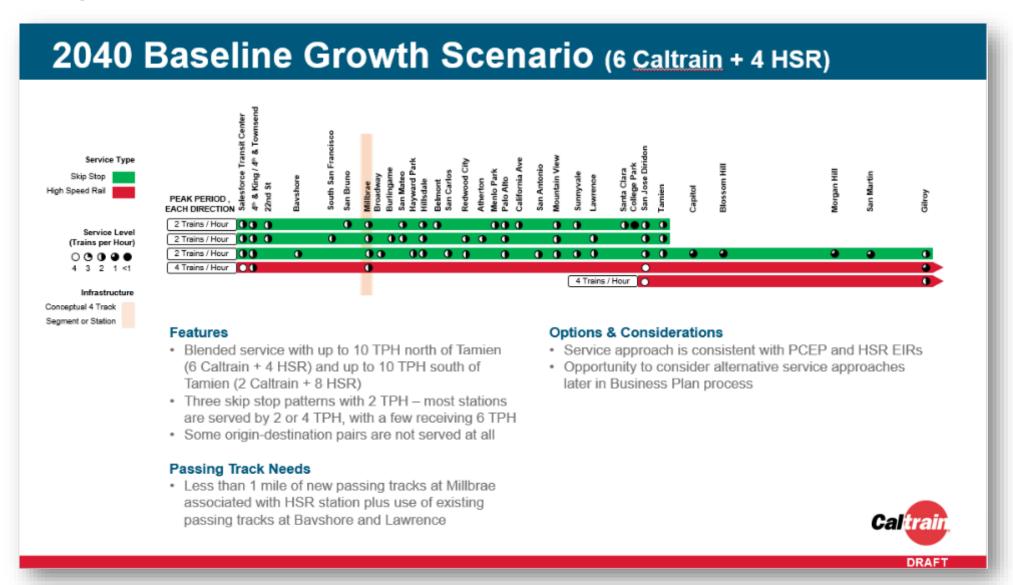
SUMMARY OF ALTERNATIVES EVALUATION – ENVIRONMENTAL FACTORS

CRITERIA	ALT A	ALT B
Total permanent impacts on wetlands and other waters of the U.S.		
Permanent Impacts on endangered callippe silverspot butterfly habitat		

= Best-performing alternative (fewest environmental impacts)

CALTRAIN BUSINESS PLAN

2040 Baseline Growth Scenario



ALTERNATIVE A – Staff-Recommended State's Preferred Alternative

Conclusions of Technical Analysis



Fewest major visual impacts



Fewest impacts on natural resources



Fewest displacements



Lowest capital cost



Fewest road closures



Slower HSR, faster Caltrain peak hour travel time

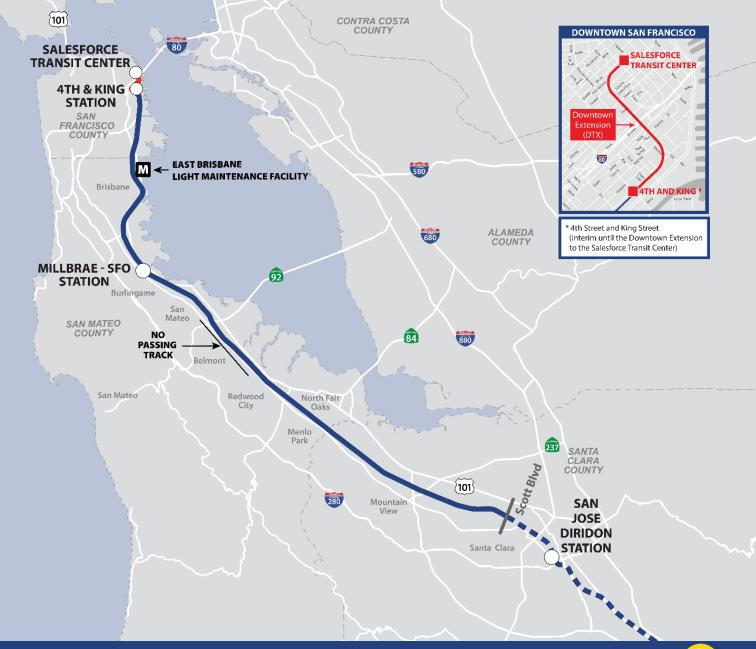


Fewest impacts on wetlands and habitats

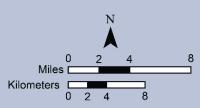


Policy-level alignment with the Caltrain Business Plan

ALTERNATIVE A – STAFF-RECOMMENDED STATE'S PREFERRED ALTERNATIVE



San Francisco to San Jose Alignments Alternative A HSR Stations Maintenance Facility San Jose to Merced Alignments



DISCUSSION OF THE STAFF-RECOMMENDED STATE'S PREFERRED ALTERNATIVE



NEXT STEPS



NEXT STEPS



UPCOMING OPEN HOUSES

South Peninsula Open House **August 6, 5:00 to 8:00 p.m.**Adrian Wilcox High School

Santa Clara, CA

San Francisco Open House **August 12, 5:00 to 8:00 p.m.** Bay Area Metro Center San Francisco, CA

San Mateo County Open House **August 19, 5:00 to 8:00 p.m.**Sequoia High School

Redwood City, CA

Gilroy Open House **August 8, 5:00 to 8:00 p.m.**Gilroy Portuguese Hall

Gilroy, CA

San Jose Open House **August 15, 5:00 to 8:00 p.m.**City Hall Council Chambers

San Jose, CA

Los Banos Open House

August 21, 5:00 to 8:00 p.m.

Los Banos Community Center

Los Banos, CA



REQUEST FOR COMMUNITY FEEDBACK CALIFORNIA HIGH-SPEED RAIL

Please share the information presented today with your communities and give us your feedback.

- Comments received by **August 22**, **2019** will be summarized in the staff report to the Authority Board.
- Comments can be submitted via email to <u>San.Jose_Merced@hsr.ca.gov</u> and <u>San.Francisco_San.Jose@hsr.ca.gov</u> or via mail to:

Northern California Regional Office California High-Speed Rail Authority 100 Paseo De San Antonio, Suite 300 San Jose, CA 95113

• Or share feedback in person at an upcoming Open House or at the Authority Board meeting on September 17 in San Jose, CA.

PUBLIC COMMENT



PUBLIC COMMENT PERIOD GUIDELINES

- Please submit a speaker card to be added to the comment queue
- 2 minute time limit
- Public comment is intended for working group members to hear from the public
- Staff will be available after the presentation to respond to questions, as necessary
- Please be respectful and follow meeting guidelines



Headquarters

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