

#### San Francisco to San Jose High-Speed Train Project EIR/EIS

#### San Francisco to San Jose Project Update

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October 2010





San Francisco to San Jose Project EIR/EIS

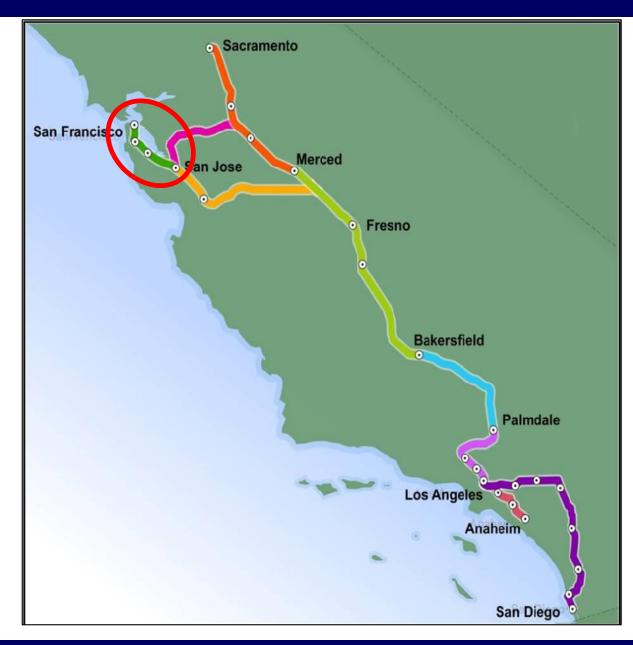


- Corridor overview
- Feedback since April 8, 2010
- Further study in EIR/EIS
  - Design options
  - Stations
  - Maintenance facilities
- Next steps





## Statewide System



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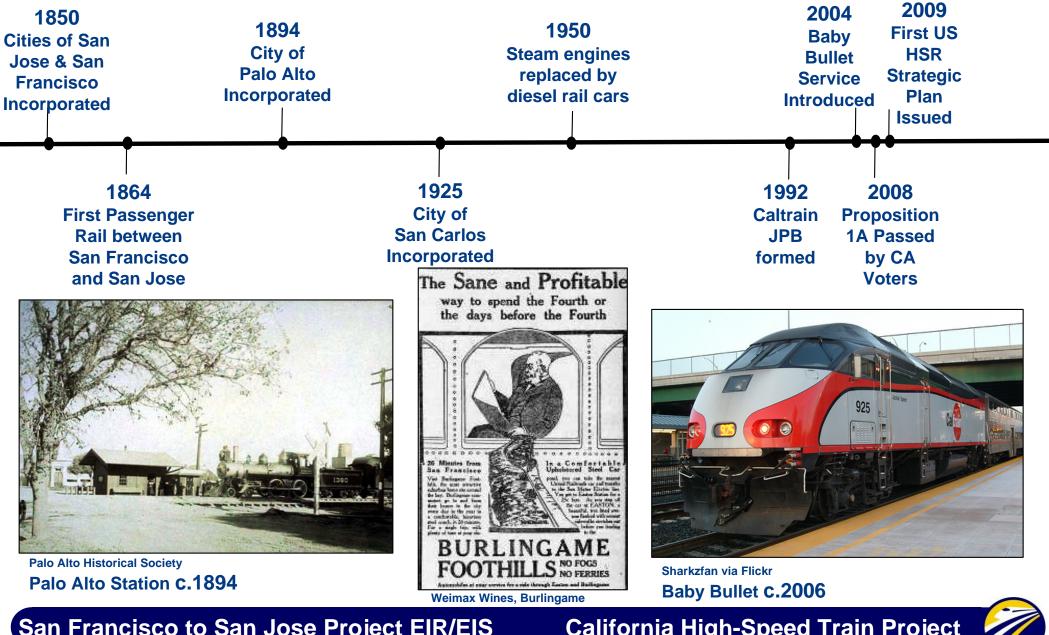
# San Francisco – San Jose Section



San Francisco to San Jose Project EIR/EIS



#### **History of Passenger Rail on the** Corridor



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# Benefits of Peninsula Rail Program

- Significant Infrastructure Already Exists
- Fed. Railroad Administration Waiver for Mixed Rail Traffic
- Signal System Upgrades
  - Positive Train Control Supports HST Construction During Caltrain Operations
- CPUC Exceptions Submitted
- Caltrain Electrification Project
  - 35% Design Complete
  - Federal Environmental Clearance

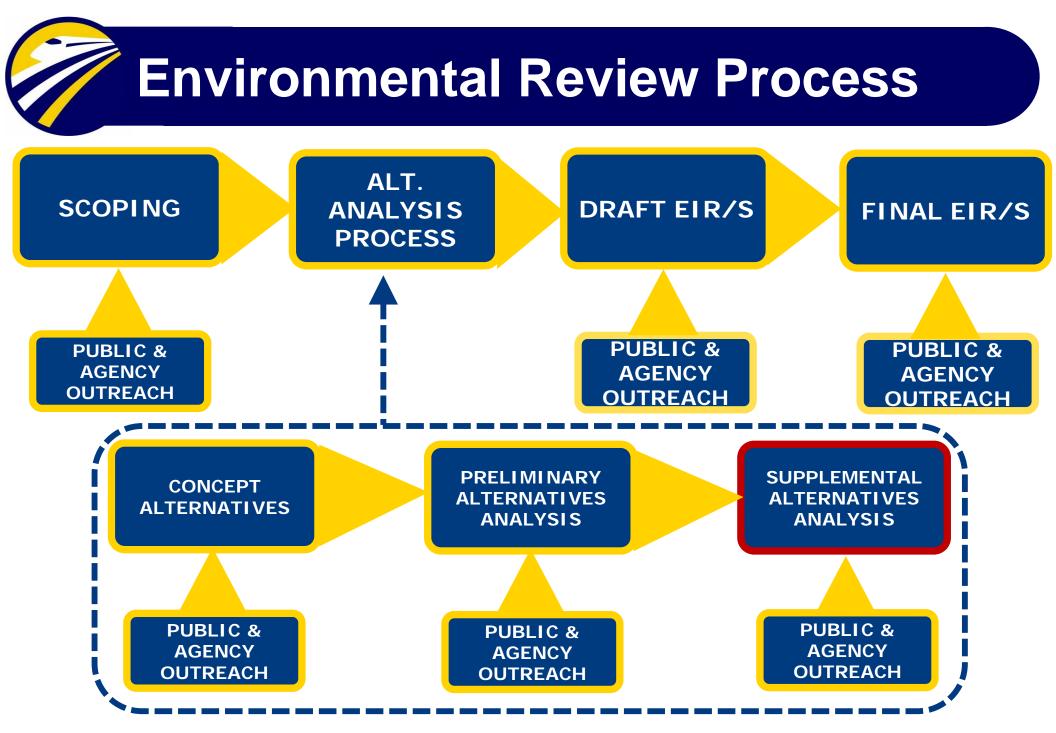












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# **Engaging Stakeholders**







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4 Technical Working Group (TWG) Meetings

4 Policymaker Working Group (PWG) Meetings

32 Public Presentations, Meetings & Workshops

# More than 1,500 members of the public have participated in outreach efforts.



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- Potential impacts to properties along ROW and overall property value
- Noise and Vibration
- Preference for below-grade options
- Keep Caltrain and "Baby Bullet" service
- Cost of the statewide system



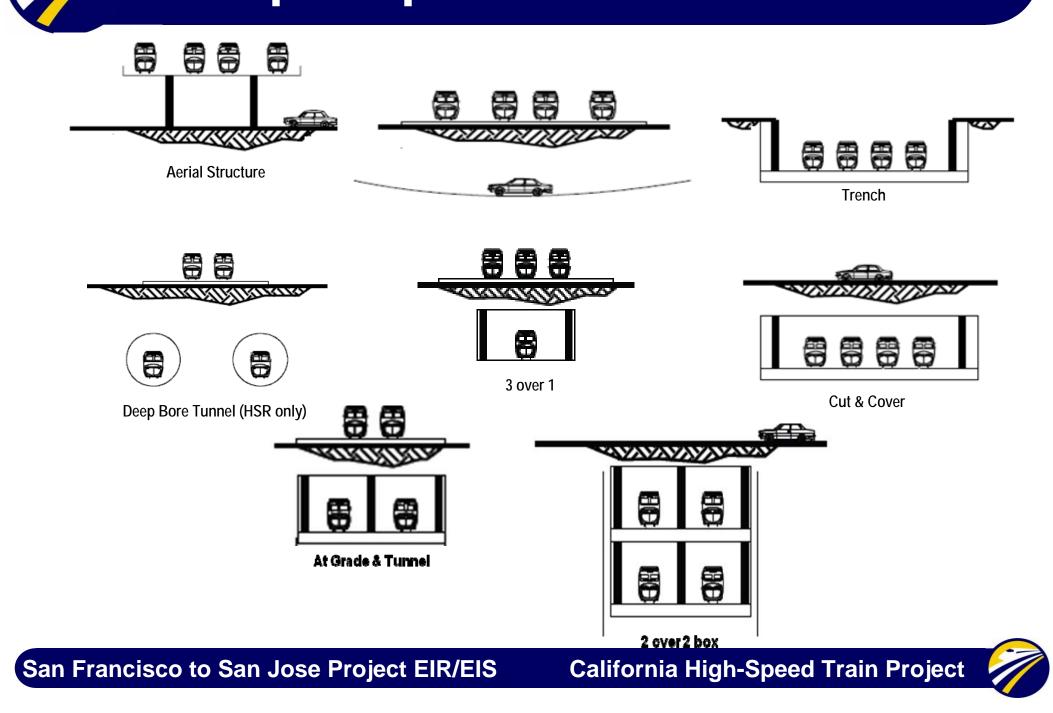


#### Multiple Construction Alternatives Considered



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**Multiple Options Considered** 





#### **Activities to Narrow Project Footprint**

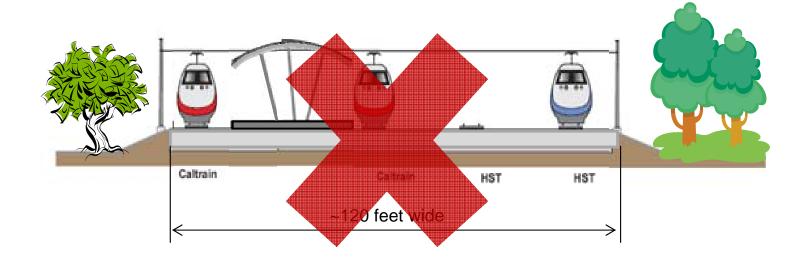






**Center Platforms** 

3,400 feet required at each end to conform to standard track width

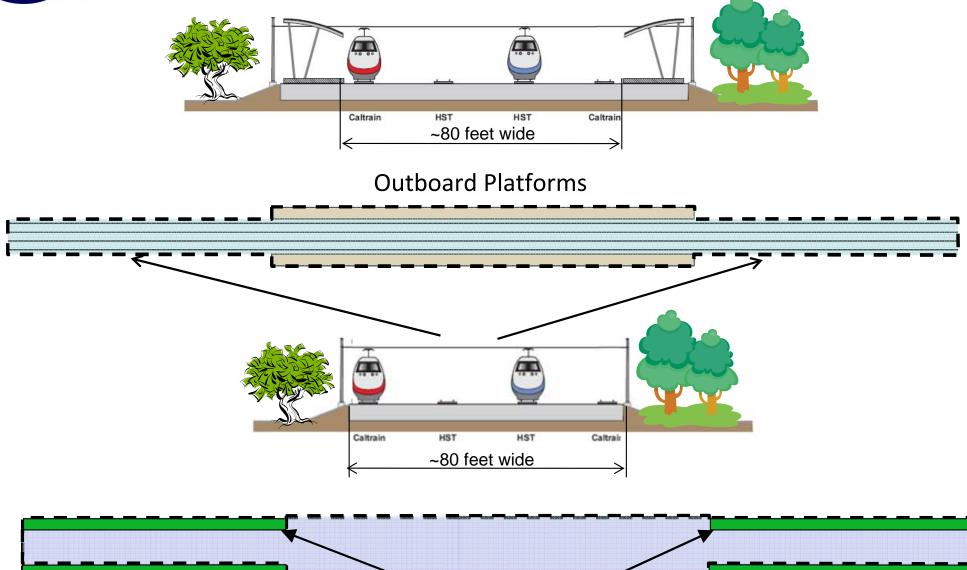




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H H C C

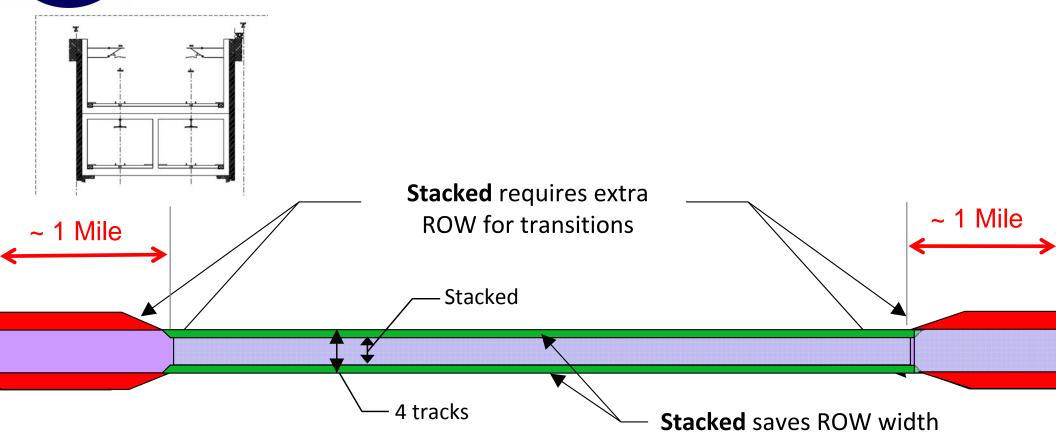




C H H C

ROW saved San Francisco to San Jose Project EIR/EIS California High-Speed Train Project

#### Four-track Transition vs. Stacked Transition

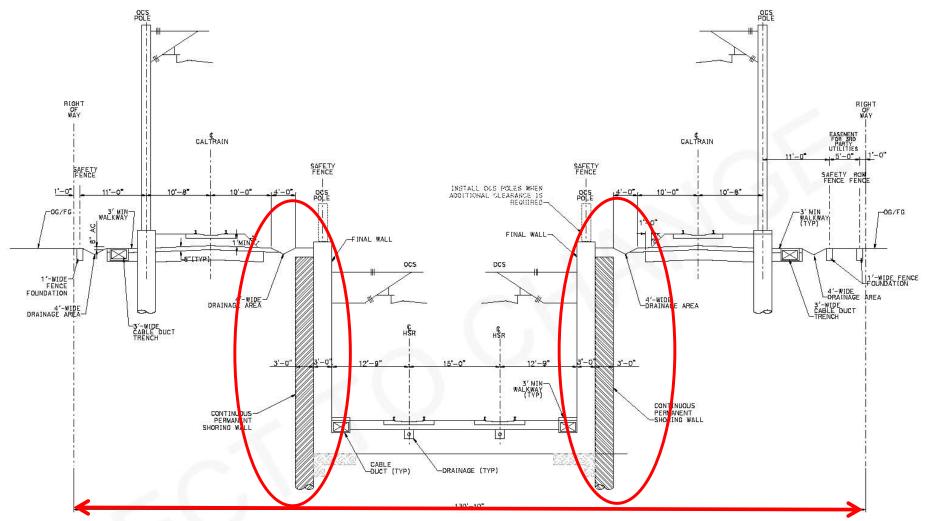


It requires over **10.5 miles** of stacked configuration to save enough ROW to compensate for the additional ROW needed for the transitions at each end.



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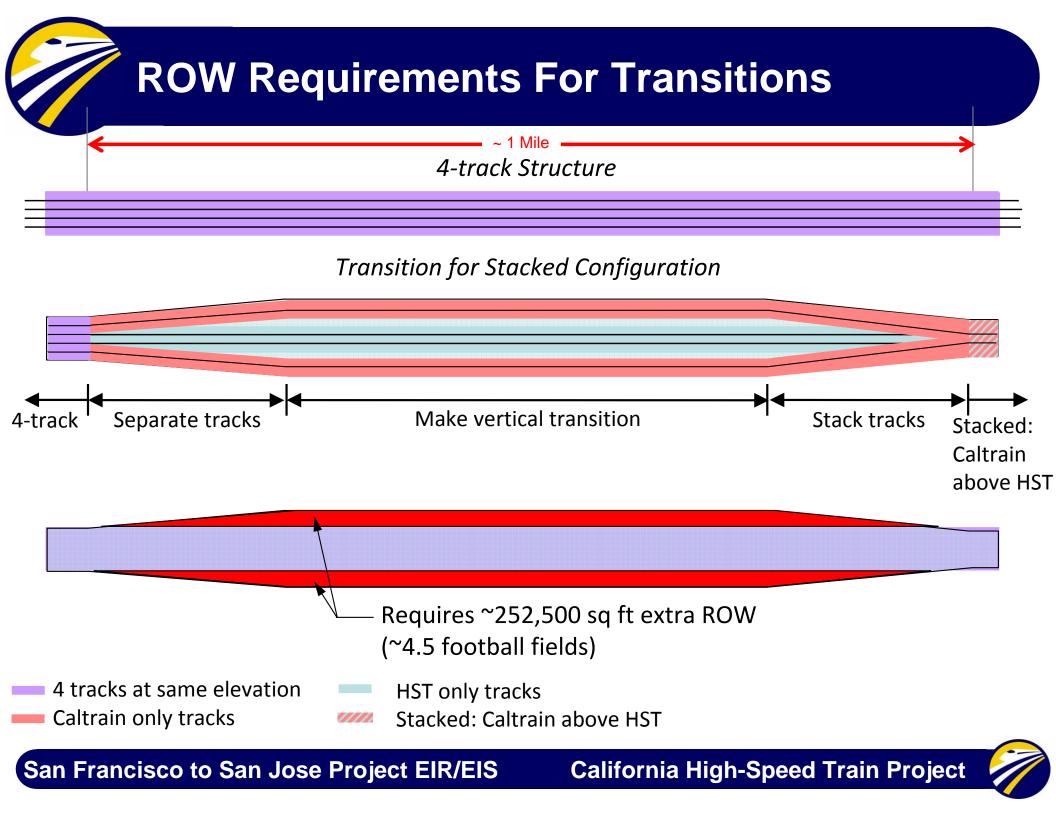
#### Stacked Solution Requires Long and Wide Transitions



130 feet wide

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# **Design Option Summary**

## Hybrid solutions

- (stacked trench or deep bore tunnel):
  - Multi-phased Construction
  - -Transitions are complex and lengthy
  - Limits flexibility
  - -Could require significant ground treatments
  - Effect on Caltrain
  - Possible fire life safety requirements

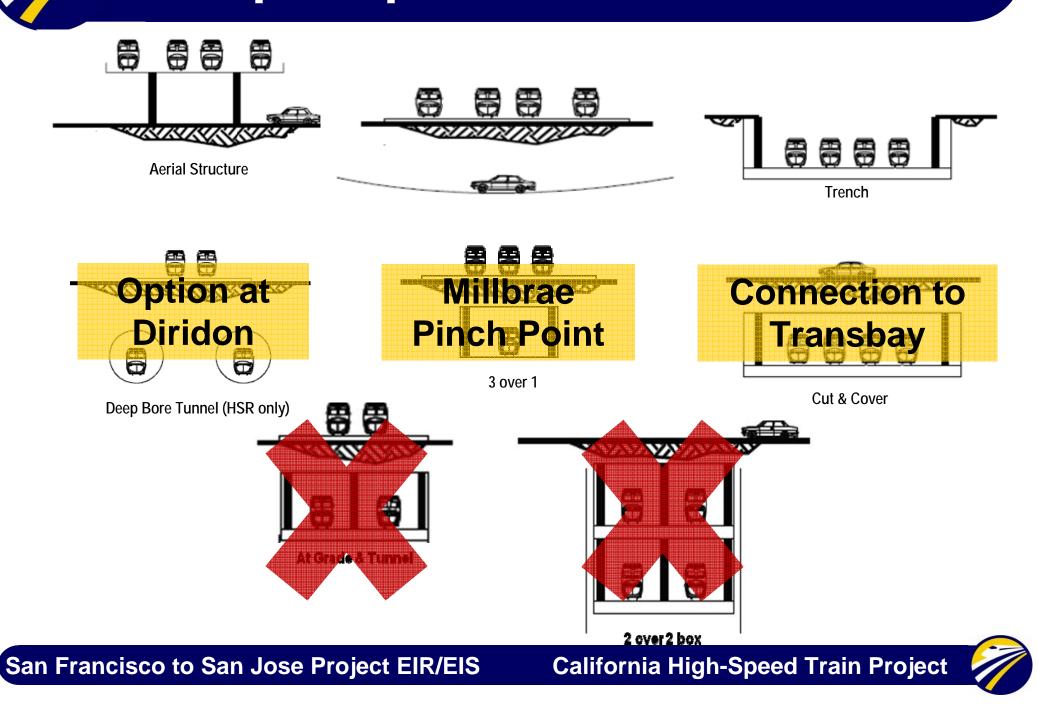




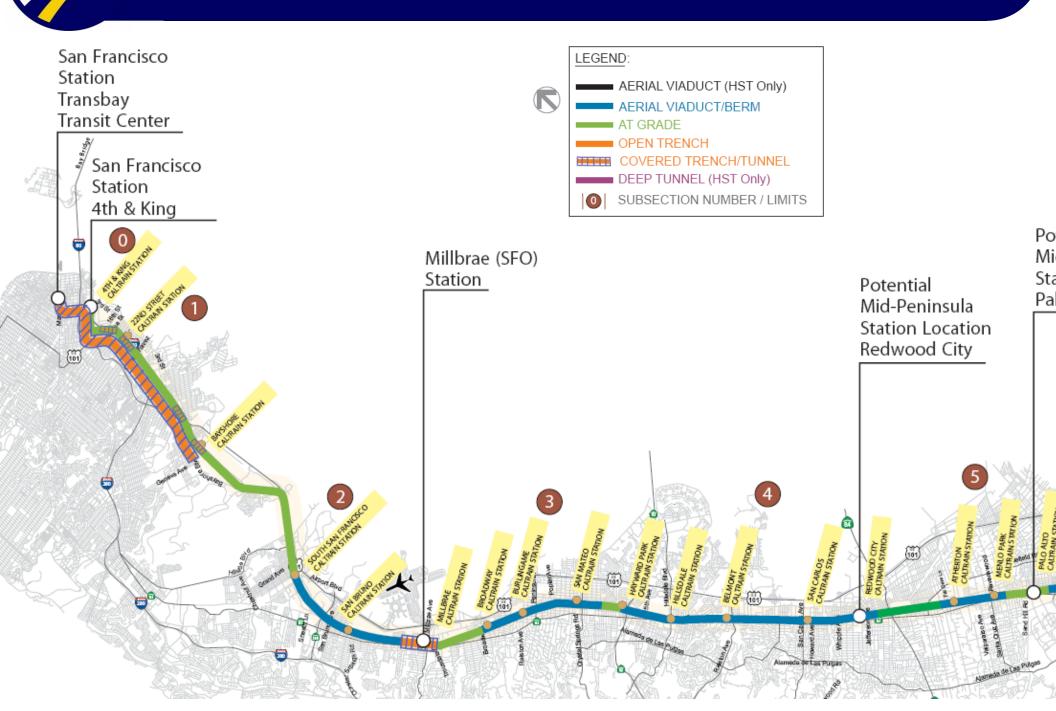
# **Design Option Summary**

- "Traditional" solutions
- (elevated, at-grade, trench):
  - Conventional Construction
  - Maintains consistent project footprint
  - Minimizes disruption to Caltrain
  - Preserves operational flexibility
  - Minimizes construction costs
  - Fits community needs

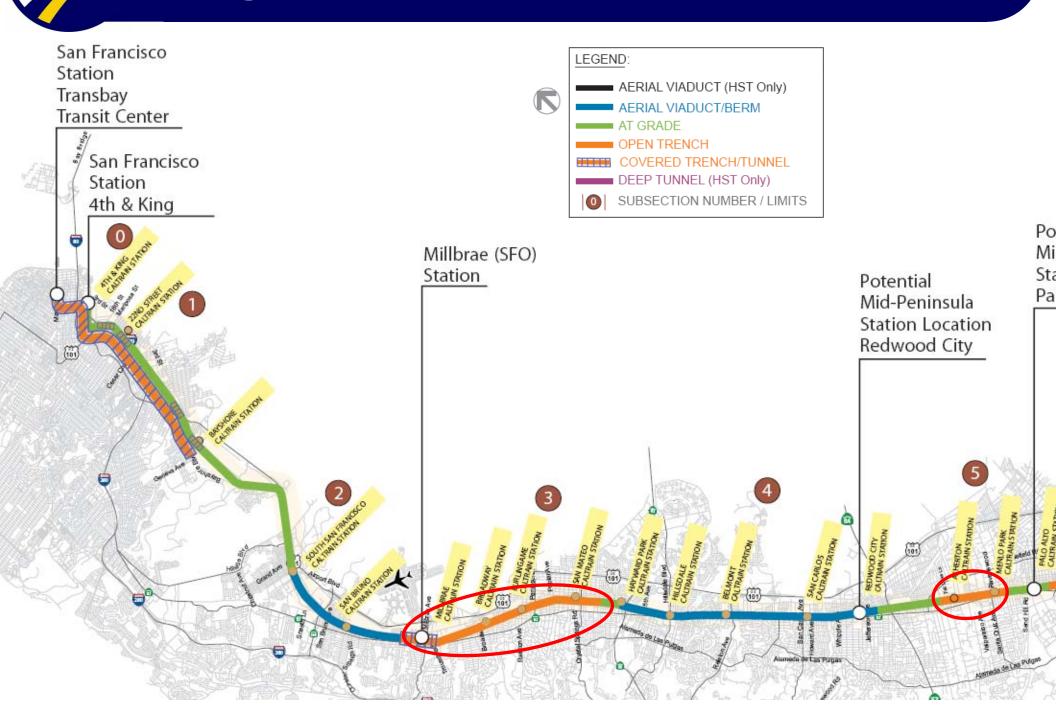
**Multiple Options Considered** 



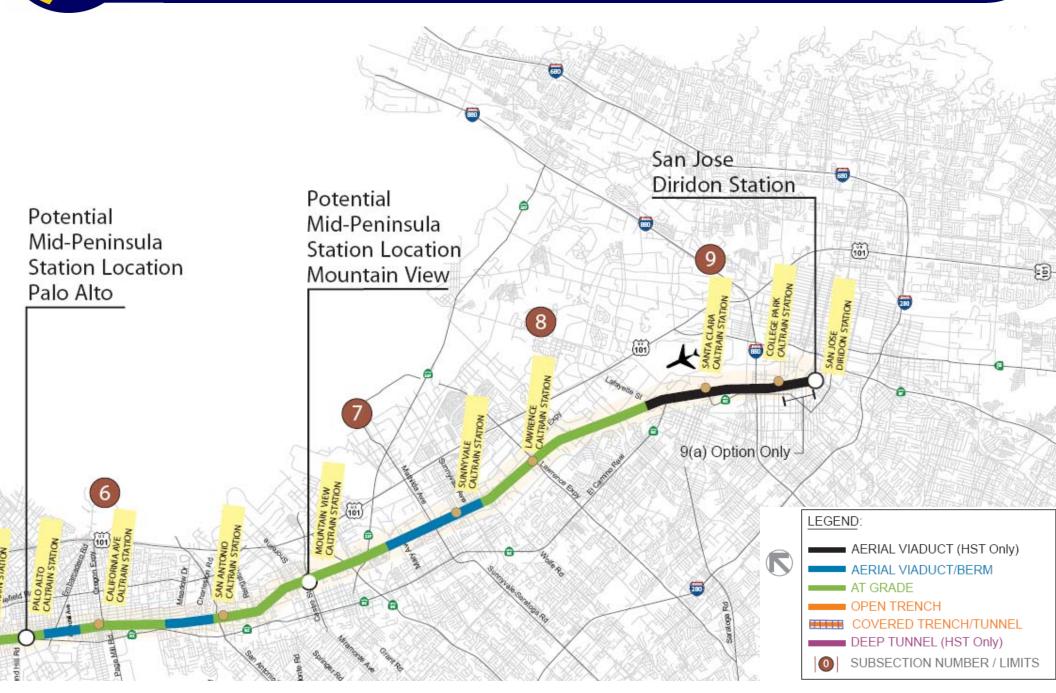
#### **Design Option A**



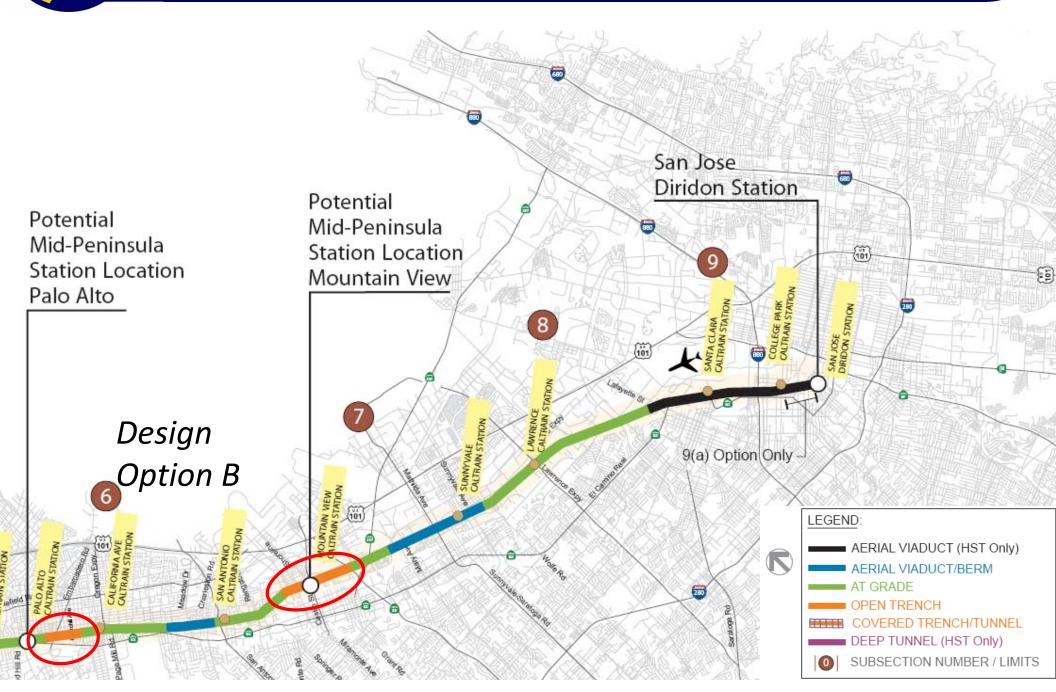
#### **Design Option B**



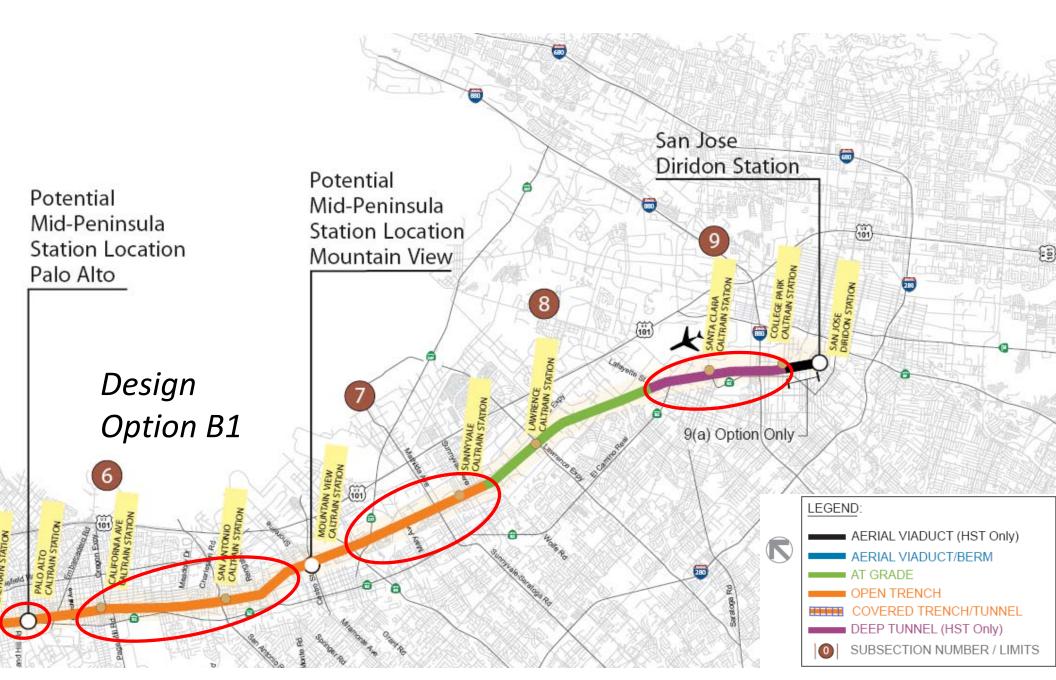












# **Continued Evaluation of Stations**

- San Francisco (4th and King and Transbay Transit Center)
- San Francisco Airport Connection (Millbrae)
- Potential Mid-Peninsula Station:
  - -Redwood City
  - Palo Alto
  - Mountain View

San Jose Diridon Station (elevated option)

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- Needs to be close to SF terminal
  - Approximately 100 Acres
- Three sites initially evaluated
  - -Port of San Francisco: Piers 90-94 (40 Acres)
  - San Francisco Int'l Airport (100 Acres)
  - -Brisbane/Bayshore (100 Acres)
- Recommend Brisbane / Bayshore location for continued evaluation.





- Continue Dialogue with Communities
  - TWG
  - PWG
  - Stations Workshops
- Complete 15% Engineering
- Conduct Operations Planning
- Study Environmental Impacts of different options
- Issue Draft EIR/EIS: December 2010

