



# Peninsula Corridor Electrification Program: Project Delivery Strategy

LPMG Meeting  
August 22, 2013



## Program Overview

## Program Description

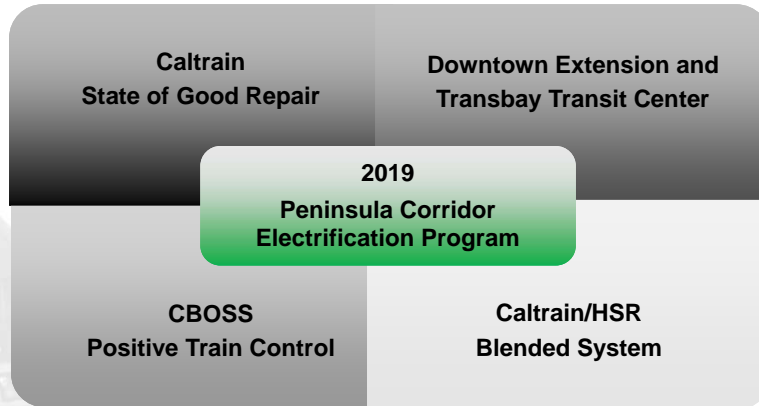
Area	Projects	Service
<ul style="list-style-type: none"><li>- 51+ miles</li><li>- San Francisco to Tamien</li></ul>	<ul style="list-style-type: none"><li>- Electrification</li><li>- Electric multiple units (EMUs)</li></ul>	<ul style="list-style-type: none"><li>- 6 trains/per hour/per direction</li><li>- Mixed fleet service</li></ul>

## Simulations





## Systems Project on Active Rail Corridor



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## Electrification Program Delivery

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## Delivery Milestones

Activity	2013	2014	2015	2016	2017	2018	2019
Stakeholder Outreach	█	█	█	█	█	█	█
Establish Owner's Team	█						
Environmental Clearance	█	█					
Procure/Select Contractor Team		█	█				
Design/Manufacture/Build				█	█	█	█

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## Peer Workshops

- September 2012 / March 2013
- Caltrain Executive / Senior Management Participation
- Agency Participation
  - San Francisco Municipal Transportation Authority
  - Santa Clara Valley Transportation Authority
  - Regional Transportation District-Denver
  - Dallas Area Rapid Transit
  - Utah Transit Authority

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## Program Objectives

- Ensure system safety
- Complete program within ~\$1.5 billion budget
- Electrified service by 2019
- Build a quality system
- Minimize impacts to rail service / customers
- Minimize impacts to environment
- Support future high speed rail trains
- Sustain effective partnership with stakeholders

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## Recommended Delivery Method

- Contract Scope: Design Build (DB)
- Procurement Method: Best Value
- Best Match with Program Objectives
- Appropriate Level of Owner Control
- Operations and/or Maintenance Options

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## Key Benefits

- Good for large complicated projects
- Good for systems projects
- Transfer design risk to contractor
- Improve project with innovative solutions
- Get best value / Maximize price competition
- Select best qualified team
- Negotiate scope and price
- Upfront understanding of cost-to-complete

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## Focus Areas for Success

- Board support
- Agency management and staff
- Stakeholder relationship
- Build the right team for delivery
  - People
  - Expertise
- Owner's responsibility for system integration

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## Contract Packages

- 2 Procurement Packages
  - Electrification
  - Vehicles
- Key Benefits
  - Direct owner control
  - Enhanced competition
  - Best team selection by expertise area

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## Next Steps

- September JPB Meeting – Project Delivery Approach Approval
- Set up owner's team
- Prepare contractor procurement documents
- Complete EIR
- Fall 2014 - Issue contractor RFPs

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# Discussion