Peninsula Corridor Electrification Program: Project Delivery Strategy

Board of Directors
September 5, 2013

Program Overview
### Program Description

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<tr>
<th>Area</th>
<th>Projects</th>
<th>Service</th>
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<tbody>
<tr>
<td>- 51+ miles</td>
<td>- Electrification</td>
<td>- 6 trains/per hour/per direction</td>
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<td>- San Francisco to Tamien</td>
<td>- Electric multiple units (EMUs)</td>
<td>- Mixed-fleet service</td>
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### Systems Project on Active Rail Corridor

- Caltrain State of Good Repair
- Downtown Extension and Transbay Transit Center
- CBOSS Positive Train Control
- Caltrain/HSR Blended System

- **2019 Peninsula Corridor Electrification Program**
Delivery Milestones

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<td>Stakeholder Outreach</td>
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<td>Establish Owner's Team</td>
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<td>Environmental Clearance</td>
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<td>Procure/Select Contractor Team</td>
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<td>Design/Manufacture/Build</td>
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Electrification Program Delivery
Program Objectives

• Ensure system safety
• Complete program within ~$1.2 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

Recommended Delivery Method

• Best Match with Program Objectives
• Contract Scope: Design Build
• Procurement Method: Best Value
• 2 Procurement Packages
  – Electrification
  – Vehicles
• Operations and/or Maintenance Options
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

Staff Assessment / Inputs

- Project Delivery Workshops
- System Integration Workshop
- Sister/Brother Agency Participation
  - San Francisco Municipal Transportation Agency
  - Santa Clara Valley Transportation Authority
  - City of San Jose
  - San Mateo County
  - Regional Transportation District-Denver
  - Dallas Area Rapid Transit
  - Utah Transit Authority
JPB Responsibilities: Key Risk Areas

- Board Leadership
- Right Project Team
- Procurement Process
- Systems Integration
- Contract Management / Oversight
- Agency Coordination
- Stakeholder Coordination
- Utilities / Right of way

Next Steps

- Build Project Team
- Prepare Contract Packages
- Issue RFPs fall 2014