



# Peninsula Corridor Electrification Project Delivery Quarterly Update

Board of Directors  
April 2, 2015  
Agenda Item 7b



## Electrification Procurement



## Electrification RFP Milestones

- Completed
  - Released RFP on Feb. 27
  - Funding partners / proposers input
  - Provided to six prequalified proposers
  - Public posting [www.caltrain.com/calmod](http://www.caltrain.com/calmod)
  - Pre-proposal conference and DBE outreach
  - Amendment #1 issued
- To be completed
  - Additional amendments
  - Evaluation / selection
  - Board approval / award contract (fall 2015)

3



## Pre-proposal Conference

- March 17 (full day)
- 70 individuals attended
- Staff presentations
- Corridor video
- Tours
  - CEMOF
  - San Jose, San Carlos, Belmont, San Francisco stations
  - Work facilities

4



## DBE Outreach

- March 18 (half day)
- 36 Disadvantage Business Enterprises (DBE) attended
- DBE staff presentation
- Pre-qualified team presentations
- Opportunity for pre-qualified teams and DBEs to network and Q&A

5



## Project Delivery Efforts

- Completed
  - Wetlands delineation
  - Real estate need (3 of 4 segments)
- In Progress
  - Project Labor Agreement
  - 4 TPF locations – option selection
  - Inventory tree tagging
  - Real estate need (1 remaining segment)

6



## Vehicle Procurement

7



## EMU Milestones

Milestones	Summer 2014	Fall 2014	Winter 2015	Spring 2015	Summer 2015
Request for Information (RFI)	■				
Public Survey (Seats/Bikes/Bathrooms)		■	■		
Compatible Boarding Height Assessment			■	■	
Policy Discussion/ HSR additional funding					■
RFP Release					■

Note: Award target winter 2016

8



## Compatible Boarding Height Assessment

- Dec 2014 to March 2015
  - CHSRA / Caltrain meetings
  - Discussion with car builders
  - Feasibility assessment
- April to May 2015
  - Operational assessment
  - Policy discussion / decisions
  - CHSRA funding commitment

9



## Car Builders Discussion

- Six car builders produced bi-level EMUs that may be modified
- Degree of modification varies amongst car builders
- Delivery schedule
  - First vehicle (36 months from NTP)
  - 96 vehicles (60 months)
- Additional costs TBD
- No fatal flaws

10



## Summary Findings

Benefits	Neutral	Challenges	Funding	Additional Review
System flexibility	Timeframe (2020 revenue service)  Competition	Capacity loss / train <ul style="list-style-type: none"><li>○ 78-188 seats (double set doors)</li><li>○ 0 seats (trap door)</li></ul>	CHSRA TBD <ul style="list-style-type: none"><li>○ 100% fleet conversion</li><li>○ 8-car consists</li><li>○ Station modifications</li><li>○ Additional o/m costs</li></ul>	Caltrain operations

Note: seven vehicle builders interviewed / four qualified and engaged

11



## Caltrain Operations Review

- Compatibility with existing diesel fleet
- Operational impact with platform modifications
- Capability to be convert to high-level boarding
- Community sensitivity to raised platforms
- System and HSR station benefits
- Utilization of traps
- Onboard lifts and/or mini highs at 24" and/or 48" level

12



## Next Steps

- March to April
  - Complete operations review (compatible boarding heights)
- April to June
  - Public discussion
  - Bikes/seats/bathrooms and compatible boarding heights
- July Board Action / Release RFP
- Winter 2015/16 award contract

13



## Questions

14