



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
 - Pre-proposal conference and DBE outreach
 - Amendment #1 issued
- To be completed
 - Additional amendments
 - Evaluation / selection
 - Board approval / award contract (fall 2015)

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

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

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)

Vehicle Procurement



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

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

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

Summary Findings

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

Note: seven vehicle builders interviewed / four qualified and engaged

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

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

Questions