



CalMod Local Policy Maker Group (LPMG)

Thursday, February 25, 2016

6:00 PM – 7:30 PM

SamTrans Offices - Bacciocco Auditorium 2nd Floor
1250 San Carlos Ave., San Carlos

Agenda

1. JPB Staff Report
2. Information/Discussion
 - a. Advanced Signal System (CBOSS PTC) Update
 - b. Peninsula Corridor Electrification Quarterly Update
3. Public Comments
4. LPMG Member Comments/Requests
5. Next Meeting
 - a. Next HSR meeting March 24, 2016
 - b. Next CalMod meeting April 28, 2016

Note Member Request: Future Grade Separation Presentation/ Discussion

Memorandum

Date: February 25, 2016

To: CalMod Local Policy Maker Group (LPMG)

From: Michael Burns, Interim CalMod Chief Officer

Re: Advanced Signal System (CBOSS PTC) Update

The Advanced Signal System, also known as Communications Based Overlay Signal System (CBOSS) Positive Train Control (PTC), will equip the corridor with federally-mandated safety technology and increase system capacity to help accommodate future increases in ridership demand.

Much of the installation work, including installing conduit, fiber optic cable, equipment next to the tracks and on the trains, as well as constructing a backup control facility is complete. For the past several months, the project has been testing the software and overall system with test trains during the night. This testing phase, which involves close coordination with the Federal Railroad Administration, will continue throughout the rest of the year.

The LPMG will receive the same presentation (attached) that the Caltrain Board received earlier this month. The presentation will outline the progress on the project as well as challenges that may impact the cost and schedule of the project.



Advanced Signal System Project Status

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Background

- Issue Design/Procure/Install Turn-key RFP: Aug 2010
- Awarded Prime Contact: Oct 2011
- Executed Service Agreement with CHSRA for Federal Railroad Administration Funding: Dec 2011
- Issued Notice to Proceed Parson Transportation Group: Jan 2012
- Executed Fiber Optic Option: April 2012
- Exercised Option 1 (Phase 2): April 2013
- Exercised Option 2 (Phase 3): Aug 2013
- Exercised Option 2 (Phase 4): Dec 2014

Project Requirements

- PTC (Federal Mandate)
 - Prevent train to train collisions
 - Prevent over speed derailments
 - Prevent incursions into established work zones
 - Prevent movement through a misaligned switch
 - Interoperability
- CBOSS (Caltrain Improvements)
 - Enhanced crossing safety / performance
 - Improved headways and operational flexibility
 - Enforcement of scheduled station stops
 - Schedule management
 - Employee In Charge

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Project Status

- Complete
 - On-Board Equipment Installation
 - Wayside Interface Unit Installation and FRA Validation Testing
 - Fiber Optic Cable Installation
 - Base Station Installation
 - Backup Control Center Facility (BCCF) Build-out
- Continuing
 - Dynamic Testing with Test Train
 - High Rail Testing for FRA Official Critical Assets
 - Testing Conducted from BCCF

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Schedule and Budget

- New Project Baseline Schedule Developed
- Revenue Service Demonstration delayed Q4 2016
 - I-ITCS Software Release Delays
 - Contractor Execution Test Plans and Schedules
 - FRA process in flux
- Schedule delay requires additional funding
 - Commercial negotiation with Contractor
 - Funding for extension of Owners Team
 - Considering for FY17 Budget Process

Project Key Milestones

Project Key Milestones		Planned Baseline Finish	Actual/ Forecast Finish
1	JPB Issued Notice to Proceed to PTG – Phase 1	Jan 2012	Jan 2012
2	Completion of Preliminary Design Review and Acceptance	Sept 2012	Nov 2012
3	Completion of Critical Design Review and Acceptance	Feb 2013	June 2013
4	Completion of Final Design Review and Acceptance	Jul 2013	Jun 2014
5	Completion factory Integrated Systems/Subsystem Demo	Sept 2014	Apr 2015
6	Completion of Data Communication Subsystem (DCS) Installation and Verification	Sept 2014	Apr 2015
7	Completion of Field Subsystem Installation and Verification	Jan 2015	Mar 2015
8	Completion of Onboard Subsystem Installation and Verification	Jun 2015	Aug 2015
9	Complete build out of BCCF for CBOSS PTC	Feb 2014	Sept 2014
10	Commence FRA Pilot Section Demonstration	Oct 2014	May 2015
11	Submit Revenue Service Demonstration Application	Jul 2015	Q3 2016
12	Revenue Service Demonstration	Oct 2015	Q4 2016
13	Final System Acceptance	May 2016	Q2 2017



Next Steps

- Develop and Submit Revised Project Budget
- Complete Segment #3 Pilot Testing and FRA Witness Testing
- Submit Revenue Service Demonstration Application
- Complete Segment #2 and Segment #1 Testing

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Questions

More Information

website: www.caltrain.com/cbossptc

email: caltrainptc@samtrans.com

phone: 650.508.6499

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Memorandum

Date: February 25, 2016

To: CalMod Local Policy Maker Group (LPMG)

From: Michael Burns, Interim CalMod Chief Officer

Re: Peninsula Corridor Electrification Project Quarterly Update

The attached presentation is the fifth quarterly update on the Peninsula Corridor Electrification Project (PCEP). The quarterly update highlights PCEP activities since the last quarterly update in November 2015.

Major Procurement Activities (Electrification Infrastructure and Electric Trains)

Three design-build firms have been shortlisted to compete for the electrification infrastructure contract. Currently, there is a Best and Final Offer process underway that will be followed by negotiations on the final contract. The award date is scheduled for summer / fall 2016.

The electric vehicle proposals are due in February and the maintenance component is due in March. Following analysis of the proposals, a revised contract award date will be announced.

Other Project Delivery Efforts

There are a variety of project delivery efforts underway such as additional design work for the SF tunnel notching contract, coordination on city / county agreements, potential utility relocation analysis, outreach presentations, real estate activities, and progress on environmental consultation and permitting issues. There is also regular coordination with the Federal Transit Administration management oversight consultant assigned to the project.

Funding Update

On February 9, 2016, President Obama released his Fiscal Year (FY) 2017 federal budget which included \$125 million for the Peninsula Corridor Electrification Project (PCEP) through the Department of Transportation Federal Transit Administration (FTA) Core Capacity Program. The FTA also announced that the project will receive more than \$72 million in prior year Core Capacity funding allocations.

The funding announcement signals progress toward a full funding grant agreement in the amount of \$447 million between Caltrain and FTA. The Administration's request for \$125 million in funding for FY17 will require Congressional approval.

Caltrain staff continues to work with local and regional funding partners to finalize the Supplemental MOU. There is also coordination occurring on several funding agreements with the California High Speed Rail Authority.



Peninsula Corridor Electrification Project Quarterly Update #5

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PCEP Reporting

- Monthly Reports
 - Started June 2014 (updated format Oct 2015)
 - Distribution (FTA, funding partners)
- Quarterly Reports
 - Started February 2016
 - Distribution (JPB, FTA, funding partners, public)
 - Will be available on the website

Funding Update

- FTA Core Capacity
 - Feb 9 announcement, \$125m in Presidential FY17 Budget (plus \$72m from FY14-16)
 - Request in engineering phase and full funding grant agreement (FFGA) to be done
 - Local funding commitments required for FFGA
- 6-Party Supplemental MOU
 - Funding partners oversight role
 - Target Spring 2016
- CHSRA Funding Agreements
 - Ongoing discussions
 - Target Summer 2016

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Project Delivery Efforts



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Electrification Infrastructure

- Confidential Information, Transparent Process
- Complete
 - Three shortlisted firms selected
 - Partner participation: MTC, CHSRA, VTA, SMCTA, SFMTA, SFCTA, CCSF
 - Issued addendum for Best and Final Offer process
 - Additional site tour for shortlisted
- To Do
 - Receive Best and Final Offer proposals and evaluate
 - Negotiations to finalize contract

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Electric Trains (EMU)

- Confidential Information, Transparent Process
- Complete
 - RFI, RFP, Pre-proposal meeting and site tour
 - Received expanded FRA vehicle waiver
 - Partners will participate in evaluation: MTC, CHSRA, VTA, SMCTA, SFMTA, SFCTA, CCSF
- To Do
 - Vehicle proposal due February
 - Maintenance proposal due March
 - Revised contract award date TBD

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Other Contracts / Environmental

Tunnel Notching	<ul style="list-style-type: none">• Preliminary design review complete• Continue coordination with HSR• Waiting for UPRR comments
CEMOF Modification	<ul style="list-style-type: none">• Coordination of final design pending EMU selection
Environmental Consultation and Permits	<ul style="list-style-type: none">• Completed federal consultation• Paralleling Station 7 (Feb JPB Action)• Ongoing coordination for remaining permits

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Local Coordination / Utilities

City/County Agreements	<ul style="list-style-type: none">• 1 approved• Draft agreements sent to 18 remaining• Follow-up meetings occurring
Community Relations	<ul style="list-style-type: none">• 8 community presentations• E-update, press release, website updates• Many stakeholder meetings: state & federal staff, city / county staff, advocacy groups, chambers and businesses
Utilities	<ul style="list-style-type: none">• Potholing complete• Kickoff meeting held with utilities• Coordination for potential relocation

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Potholing – to identify utilities

PG&E / Real Estate / Safety

PG&E	<ul style="list-style-type: none">• Scoping and design on hold until agreement finalized
Real Estate	<ul style="list-style-type: none">• Segment 4 properties appraisals complete• Spring / Summer JPB closed sessions for real estate acquisition
Safety	<ul style="list-style-type: none">• Safety & Security Certification Plan complete• Developing project specific Hazard Management Plan• Safety statistics to be added when Design-Build contract is awarded

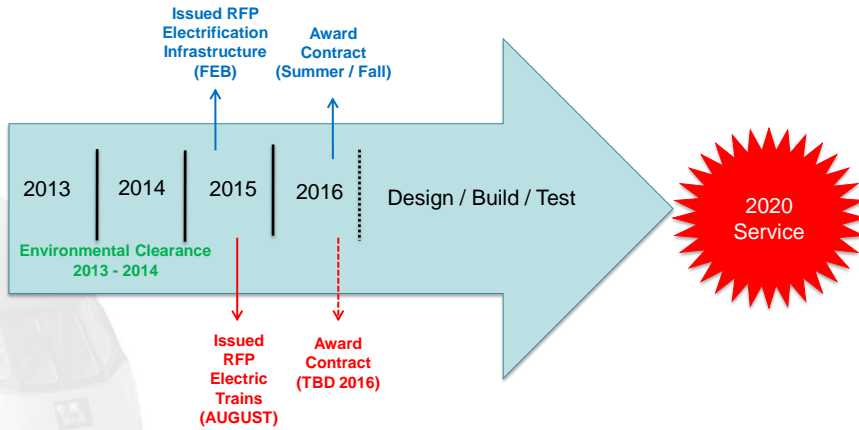
Quality / Risk / FTA

Quality	<ul style="list-style-type: none">• 4 internal audits conducted• 0 non-conformance reports
Risk Management	<ul style="list-style-type: none">• 88 Risks Retired• 125 Risks Remaining
Federal Oversight (FTA)	<ul style="list-style-type: none">• Monthly roadmap meeting

Future Updates (Post Award)

- Labor Statistics
- Disadvantage & Small Business Enterprises
- Construction Pictures

Schedule



Note: Schedule subject to change after analysis of proposals

Questions