

Caltrain Electrification Project Update

Peninsula Corridor Joint Powers Board

March 7, 2024

Agenda Item #14



Project Highlights

Project Highlights

- Schedule: No change to revenue service date - fall 2024
- Budget: No change to project budget - \$2.44B
 - \$337K January 2024 draw from “\$50M Shared Risk Pool”
 - No January 2024 draw from “\$40M Project Contingency”
- Construction
 - OCS Construction Complete including SF Station
 - Feb 3rd Winter Storm Damage
 - San Antonio Section Repair is Complete
 - Burlingame Section Repair Commences in March
 - Short Circuit Testing
 - Rescheduled Due to Storm Damage
 - Mountain View to Redwood City Test Performed on Feb 23 was Incomplete. Retest Scheduled for March
 - Live Runs Scheduled for March and April
- Electric Trains
 - Eight Trainsets On-Site; 4 trainsets burn-in complete and
 - Next Two Trainsets Expected March 2024

Safety and Security

Time Period	Reportable Injury Rate
January 1 to January 31, 2024	0
Since Project Start (2017)	1.95

Note: National Average Reportable Injury Rate is 2.4.

- **No reportable injuries for January 2024**
- Project Safety Awareness trainings ongoing for Local Fire and Police Departments (1,000 emergency responders trained to date)
- Completed 25kV training for all TASI and tenant railroad staff
- Development of emergency responder safety presentation for local first responders

Project Contingency and Shared Risk Pool

Item	Amount	Drawn in January 2024	Drawn To Date January 2024	Amount Remaining
BBII Shared Risk Pool	\$50.00M	\$0.34M	\$15.74M	\$34.26M
Project Contingency	\$40.00M	\$0.00M	\$30.48M	\$9.52M
Total	\$90.00M	\$0.34M	\$46.22M	\$43.78M

Top Risks

- Traction Power Short Circuit Testing
- Theft of Impedance Bonds Cables
- Timely Completion of Integrated Testing and Live Runs
- Contractor Quality Control and Quality Assurance

Service Changes and Customer Experience

Upcoming Weekend Service Changes

March 9-10 & Two Weekends in April

- Service changes to support electric train test runs between San Francisco and Mountain View
- **Morning Service (Significant Impacts):**
 - No Caltrain service between San Francisco and Mountain View (Approximately 7am to 1pm)
 - Replacement bus bridge provided at high ridership stations:
 - San Francisco, Millbrae, Hillsdale, Redwood City, Palo Alto, and Mountain View
 - There will be no replacement bus or train service at other stations between San Francisco and Mountain View. Alternative transit suggestions provided.

	Bus	Train
Tamien	-	•
San Jose Diridon	-	•
Santa Clara	-	•
Lawrence	-	•
Sunnyvale	-	•
Mountain View	•	•
San Antonio	-	-
California Avenue	-	-
Palo Alto	•	-
Menlo Park	-	-
Redwood City	•	-
San Carlos	-	-
Belmont	-	-
Hillsdale	•	-
Hayward Park	-	-
San Mateo	-	-
Burlingame	-	-
Broadway	-	-
Millbrae	•	-
San Bruno	-	-
South San Francisco	-	-
Bayshore	-	-
22nd Street	-	-
San Francisco	•	-

Upcoming Weekend Service Changes

March 9-10 & Two Weekends in April

- **Mid-Day Service (No impacts)**
 - Regular Northbound Service Resumes with Train #237 at 12:12 p.m.
 - Regular Southbound Service Resumes with Train #236 at 11:58 a.m.
- **Evening Service (Some impacts)**
 - Southbound Train #280: Departs 30 minutes prior to regular schedule at 10:28pm
 - Last Northbound Train #281 (11:05pm): Canceled. No replacement bus service
 - Last Southbound Train #284 (12:05am) Canceled. No replacement bus service

Electric Train Tour



- Event Details
 - Date: May 11, 2024 (National Train Day)
 - Time: 10a-2p
 - Location: San Carlos Station
- Activities
 - Electric Train Tour
 - 160 Years of Passenger Rail
 - Community Booths
 - Food Trucks

Upcoming Board Items

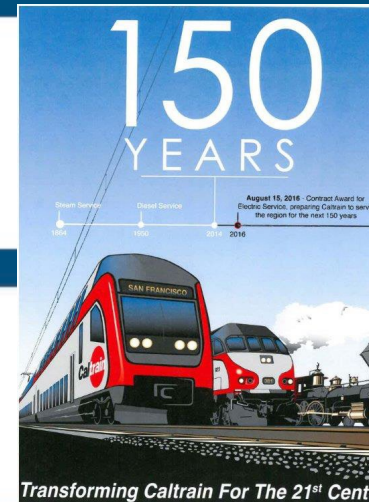
Upcoming Board Items

- Monthly Updates on Construction Progress and Service Changes

March 7, 2024

Caltrain Board of Directors Update

Balfour Beatty
Infrastructure Inc.



Focus Areas

- Continue viewing everything thru the Zero Harm lense – Improving RIR – 1.68 2023, 1.66 Job to Date
 - Zero Recordables or Lost Times for the month of January and February
- OCS Production – Regulation
 - Main Line Regulation Complete
 - SF Station and Yard to Complete
 - Sectionalization for Main Line Complete
 - San Antonio Re-Build Complete
 - Burlingame Re-Build – On-Going – Schedule to be complete March 14, 2024
- Traction Power Stations and WPCs
 - Short Circuit Test 4 & 5 Update / Findings
 - Short Circuit Test Revised Plan - March/April 2024
 - SCADA Testing – Complete for Main Line, WPC 1 & WPC 2 happening this week
- Training Schedule
 - OCS – Complete
 - Signals – Complete
 - Traction Power – April/May 2024
- Punchlist Execution
 - 85% of the areas walked & punch list established
 - 59% punch list items complete
- Closeout Execution
 - As-Built 95% complete and submitted to the EOR for redline
- Measuring what we do every day

Current Short Circuit Testing and Live Run Testing Plan

SC Test	Track	Teams @ MP	Revised Dates	Sub Station	Limits
Test 1	MT 2	45.24	3/23/2024	TPS 1	1.1 to 45.24
Test 2	MT 1	26.2	3/22/2024	TPS 1	TPS 1 to 26 Mp
Test 3	MT 2	1.1	4/5/2024	TPS 2	TPS 2 to 1.1
Test 4	MT 2	26.2	3/15/2024	TPS 2	TPS 2 to 26.2
Test 5	MT 2	38.61(PS 6)	3/16/2024	TPS 2	TPS 2 to SWS(26.1)

Note: The Short Circuit Testing dates are confirmed by PG&E

What are the action items to ensure Substantial Completion?

➤ What gives us confidence in the path to substantial completion

- Regulation on the Mainline is complete. This is what is needed for SC Testing - **Done**
- Crews on track with Cat A & Cat B Punchlist items – **Done**
- Sectionalization Main Line - **Done**
- OCS SFO Station - **Done**
- Traction Power SCADA Testing – **Tracking – WPC 1 & WPC 2 left to complete**
- Short Circuit Readiness Meetings – **Internal & Joint weekly bi-weekly meetings**

➤ Are there still risk to the plan?

- Yes
 - Weather
 - Completing weather-damaged areas prior to the revised SC Testing Dates
 - Successful Short Circuit Testing
 - Closing out every piece of paperwork – Time to do it, time to review it, time to close it

FOR MORE INFORMATION

WWW.CALTRAIN.COM

