Caltrain Electrification Project Update

Peninsula Corridor Joint Powers Board

April 4, 2024

Agenda Item #8





Project Highlights



Project Highlights

- Schedule: No change to revenue service date fall 2024
- Budget: No change to project budget \$2.44B
 - \$14K February 2024 draw from "\$50M Shared Risk Pool"
 - \$4.74M February 2024 draw from "\$40M Project Contingency"
- Construction
 - Winter Storm Repairs Complete
 - Short Circuit Testing
 - Successfully Tested Switching Station and Paralleling Stations 3-6 from both Traction Power Facilities
 - Final Short Circuit Test April 5th
 - Remaining Live Runs and End to End Live Runs Complete in Late April 2024
- Electric Trains
 - Fifth Electric Trainset Completed 1,000-Mile Test
 - Ten Trainsets On-Site
 - Next Two Trainsets Expected June 2024

Safety and Security

Time Period	Reportable Injury Rate
January 1 to February 29, 2024	0
Since Project Start (2017)	1.95

Note: National Average Reportable Injury Rate is 2.4.

- Zero reportable injuries in February 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

ltem	Amount	Drawn in February 2024	Drawn To Date	Amount Remaining
BBII Shared Risk Pool	\$50.00M	\$0.01M	\$15.75M	\$34.25M
Project Contingency	\$40.00M	\$4.74M	\$35.21M	\$4.79M
Total	\$90.00M	\$4.75M	\$50.96M	\$39.04M



Top Risks

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



Service Changes and Customer Experience



Upcoming Weekend Service Changes April 13-14 & 20-21

- 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 April 13-14 & 20-21

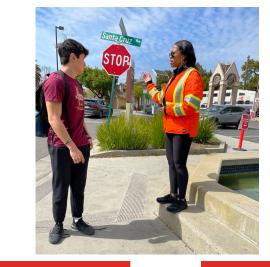
- Mid-Day Service (No impacts)
 - Regular Northbound Service Resumes with Train #237 at 12:12 p.m.
 - Regular Southbound Service Resumes with Train #236 at 11:58 a.m.
- Evening Service (Some impacts)
 - Southbound Train #280: Departs 30 minutes prior to regular schedule at 10:28pm
 - Last Northbound Train #281 (11:05pm): Canceled. No replacement bus service
 - Last Southbound Train #284 (12:05am) Canceled. No replacement bus service
- One additional bus bridge weekend expected in June 2024 (last one)



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Customer Communication

- Web/Mobile
 - Landing page: caltrain.com/status
 - Caltrain Mobile App Alerts
 - Social Media
 - Nextdoor.com Posting
 - Website & 511 Transit Alerts
- Stations/Onboard
 - Station Signage (Notification and Wayfinding)
 - Train Seat Drops
 - Station Ambassadors
 - Station Audio Announcements
- Press Release
- Transit Alternatives List



NOTICE

TEMPORARY WEEKEND

SERVICE CHANGE

NO MORNING TRAIN OR BUS BRIDGE

SERVICE AT THIS STATION FOR

NORTHBOUND Trains #221, 225, 229 & 233 Regular Northbound Service Resumes

at 12:12 pm from San Jose Diridon

SOUTHBOUND Trains #224, 228 & 232

Regular Southbound Service Resumes at 11:58 am from San Francisco

Southbound Train #680 Departs at 10:28 pn

TRAIN SERVICE CANCELED Northbound Late Night Train #281 Southbound Late Night Train #284

Please use alternate transit options near these stations

to complete your journey or board the train at a station with a bus bridge in place.

For information, visit www.caltrain.com/status



TEMPORARY WEEKEND SERVICE CHANGE

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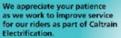
WEEKEND SERVICE SHUTDOWNS IN EFFECT!

INTERRUPCIONES DEL SERVICIO DE FIN DE SEMANA

周末服务暂停

Check status: CALTRAIN.COM/STATUS



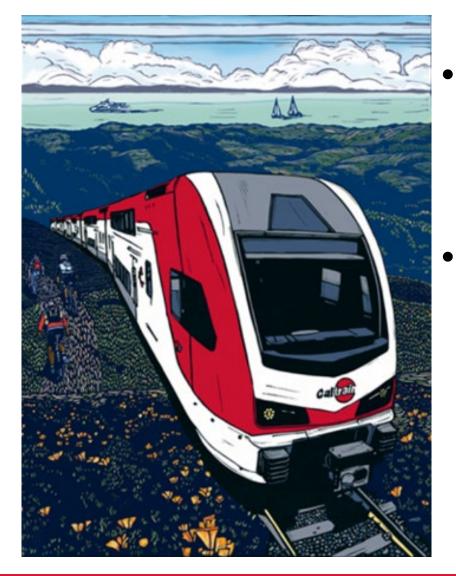


Electrification. Customer Service: 1.800.650.4287 Weekdays: 7 am - 7 pm Weekdays 8 Holidays: 8 am - 5 pm



For information, visit www.caltrain.com/statu
 Castomer Service: 1300.660.4197
 Castomer Service: 1300.660
 Castomer Service: 1300.660

Electric Train Tour + 160 Anniversary Event



Event Details

- Date: May 11, 2024 (National Train Day)
- Time: 10:30a-2:30p
- 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



Balfour Beatty

PCEP Project – Construction Update

Board of Directors Update



April 04, 2024

Focus Areas

- Continue viewing everything thru the Zero Harm lens Improving RIR 1.63 2023, 1.66 Job to Date
 - Zero Recordables or Lost Times for the month of January and February
- OCS Production Complete
 - Burlingame Re-Build Complete
- Traction Power Stations and WPCs
 - Short Circuit Test 1, 2, 4, & 5 Complete
 - SCADA Testing Complete
- Training Schedule
 - OCS Complete
 - Signals Additional Requested Training April 23 25
 - Traction Power May 2024
- Punchlist Execution 10,572 of 17,486 Complete
 - ▶ 98% of the areas walked & punch list established
 - ▶ 60% punch list items complete
- Closeout Execution
 - As-Built 99% complete and submitted to the EOR for redline
 - As-Builts 85% complete and submitted to JPB for approval
- Measuring what we do every day

Current Short Circuit Testing & Live Run Testing Plan

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

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)

Overall Path to Substantial Completion & Final Acceptance

Revised Path to Completion - Weather Event 02.04.2024	Ja	anuan	/	February		March		April			May			June			July			Augu	ist	1	September			
OCS Main Line Completion - COMPLETE																									\Box	
Complete Re-Build for San Antonio & Burlingame/Re-Test																										
OCS Panning/Loop/HighPot Testing Complete																										
OCS SF Station Completion																										
Sectionalization Testing																										
SCADA Testing Complete																										
Parallel Station Complete																										
Wayside Power Cabinets Complete																										
Short Circuit Testing																										
Segment 1 & 2 Live Run Test																		I								
End to End Test																		I								
Substantial Completeion Documents Complete																		I								
Substantial Completion																										
Punchlist Complete																										
Final Acceptance Documents Complete																										
Final Acceptance																										

Balfour Beatty

Risk to Substantial Completion?

- Are there still risk to the plan?
 - ▶ Yes
 - Successful Short Circuit Testing
 - Successful Live Run Test
 - Closing out every piece of paperwork Time to do it, time to review it, time to close it

FOR MORE INFORMATION WWW.CALTRAIN.COM

