



## Local Policy Maker Group (LPMG) Meeting

Due to COVID-19, this meeting will be conducted via teleconference only (no physical location) pursuant to [Assembly Bill 361](#) (Gov. Code section 54953).

Directors, staff and the public may participate remotely via Zoom at <https://zoom.us/j/94954726853?pwd=TkR1WFg2SEorZVh5U2xLWnhHSUNNdz09> for audio/visual capability or by calling 1-669-900-6833, Webinar ID: # 9495 4726 853 Passcode: 061243 for audio only.

**Public Comments:** The Board Chair shall have the discretion to manage the Public Comment process in a manner that achieves the purpose of public communication and assures the orderly conduct of the meeting. **Members of the public are encouraged to provide** public comments in the following ways:

- **Email:** Comments may be submitted by emailing [video@caltrain.com](mailto:video@caltrain.com) before each agenda item is presented. Please indicate in your email the agenda item to which your comment applies.
- **Auditory:** Oral comments will also be accepted during the meeting. Web users may use the 'Raise Hand' feature to request to speak. Callers may dial \*9 to request to speak. Each commenter will be notified when they are unmuted to speak.

**Thursday, January 27, 2021  
5:30 p.m. – 7:30 p.m.**

### Agenda

1. Call to Order
2. Staff Report (oral update)
3. Caltrain Electrification Project Update
4. Electrification Memo (informational)
5. California High-Speed Rail Memo (informational)
6. Public Comments on Items not on the Agenda
7. LPMG Member Comments/Requests
8. Next Meeting
  - a. Thursday, February 24, 2021 at 5:30pm
9. Adjourn

*All items on this agenda are subject to action*

# Caltrain Electrification Project Update

Local Policy Makers Group  
January 27, 2022



# Program Overview

# Program Overview

- San Francisco to San Jose (Tamien Station)
- 51 miles
- Project Cost: \$2.44B
- Revenue Service: Fall 2024



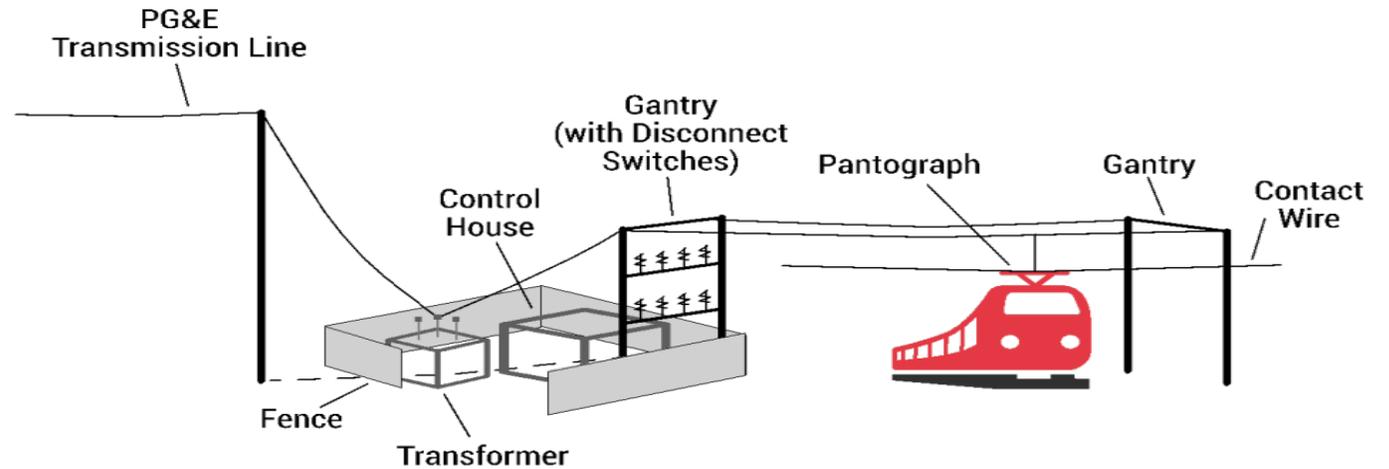
# Project Elements

- Electrification
  - Overhead Contact System (OCS)
  - Traction Power Facilities
  - Signal System

- Electric Trains

- 19 7-car train sets (133 cars)

*(Note: 96 cars funded by project; 37 cars funded by State TIRCP)*



# Project Benefits



Improved Train Performance,  
Increased Service and Greater Capacity



Improved Regional Air Quality and  
Reduced Greenhouse Gas Emissions



Job Creation Locally and  
Across the Country



Reduced Engine Noise  
Emanating from Trains



# Project Summary

# Highlights

- Revenue service date remains fall 2024
- No impact to new adopted budget
- No draw to BBII risk pool, contingency and incentive
- Funding team identified to pursue state and federal resources
- New team organization implemented

# December Activities

- BBII rebaseline schedule
- Started weekly meetings with BBII to manage and mitigate shared risk
- Partnering
  - First executive partnering held December 2021
  - Project level partnering starts in January 2022
- JPB/BBII organization change to address shift from civil to systems integration and testing
- Segment 4 Readiness Review workshop

# Upcoming Milestones

Item	Date
Finalize FTA Recovery Plan	January 2022
All Foundations Installed	Winter 2022
Energization of Segment 4	Winter 2022
Major Signal System Cutovers in Segment 2	March 2022
Arrival of First Trainset	Spring 2022
Completion of Segment 4	Spring 2022
Revenue Service Date	Fall 2024

# Reset Program Organization

- Resources focused on System Integration & Rail Activation
- New executive leadership
  - Acting Executive Director
  - Project Chief
- Legal representation Olsen Remcho
- New Program Director and responsible functions:
  - System Integration & Testing
  - Project Delivery
  - Program Controls
  - Rail Activation and Startup

# Safety and Security

Time Period	Reportable Injury Rate
Year-to-Date	1.48
Since Project Start (2017 to Today)	1.95

*Note: National Average Reportable Injury Rate is 2.50*

- Public awareness safety campaign January 2022
- Caltrain employees OCS safety awareness training January 2022
- BBII OCS safety awareness training (Look Up and Live) February 2022
- OCS awareness included in TASI roadway worker protection training
- OCS awareness training transit police
- Continued collaboration with San Jose / Santa Clara Fire Departments
- Contractors / subcontractors COVID-19 plans meeting federal, state and local requirements

# Construction Update

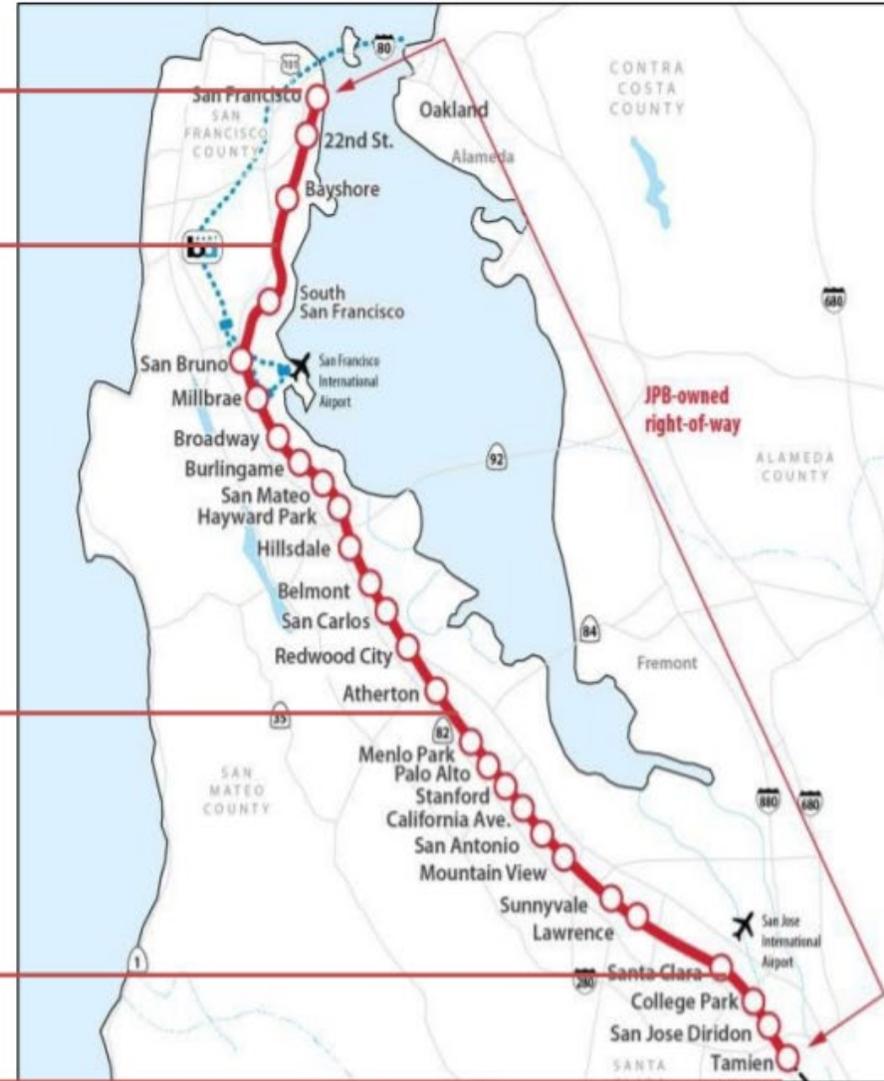
# Construction Segments

**Segment 1**  
San Francisco to Brisbane

**Segment 2**  
South San Francisco to Atherton

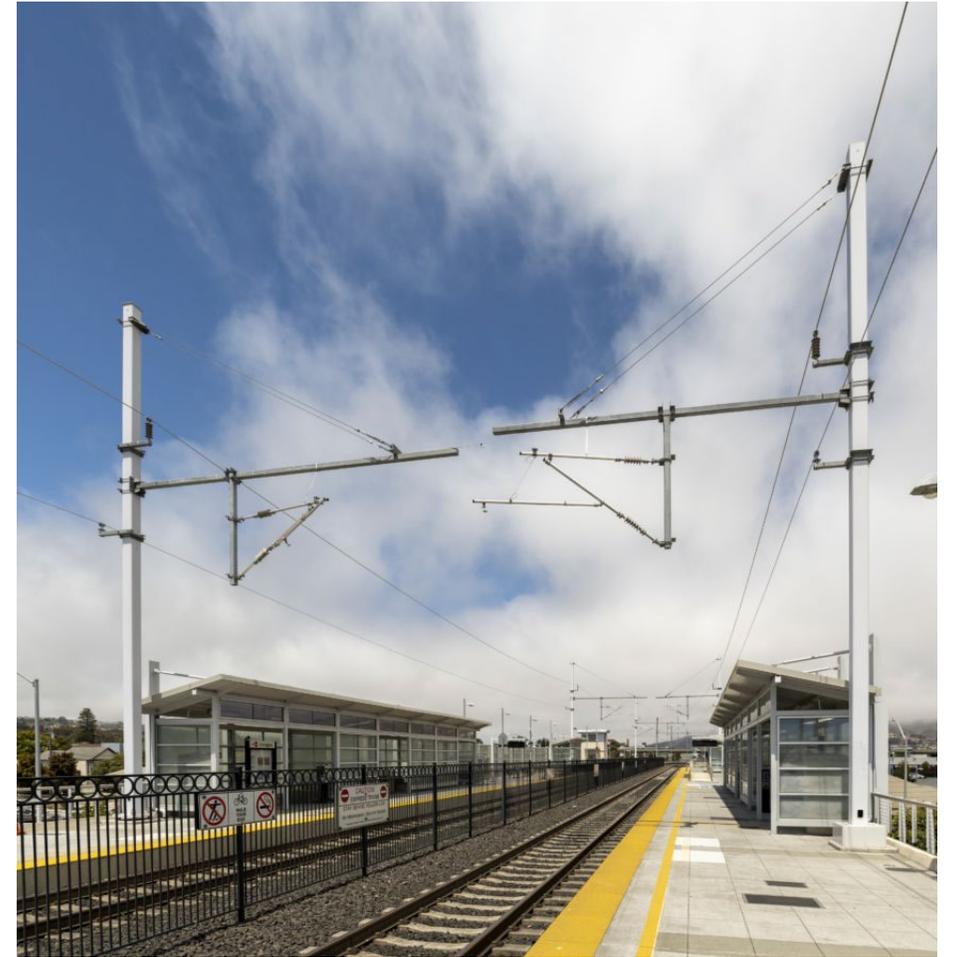
**Segment 3**  
Menlo Park to Santa Clara

**Segment 4**  
Santa Clara to Tamien



# Overhead Contact System

- Foundations (3,092 total)
  - All Foundations Complete
- Poles (2,587 total)
  - Segments 3, 4 and CEMOF: Complete
  - Segments 1 and 2: 758 Poles Remaining
- Wire (1.5M linear feet total)
  - Segments 3 and 4: Complete
  - Segments 1 and 2: 571K Linear Feet Remaining



*As of January 20, 2021*

# Traction Power Facilities and PG&E

- Traction Power Facilities (10 Facilities)
  - Approximately 80% Complete
  - Work Remaining: Energization, Commissioning, Testing
  - All work is anticipated to be completed by fall 2022
- PG&E
  - Single Phase Study
  - Availability of temporary power
  - Availability of permanent power
  - Completion of interconnect testing



# Signal System and Communication

(2 Speed Check)

- Segment 4
  - Complete
- Segment 2
  - Major cutover mid-March
  - Complete remaining activities November 2022
- Segments 1 and 3
  - Work remaining: power drops, field installation, testing and cutover
  - Signal and communication work anticipated to be complete by winter 2023

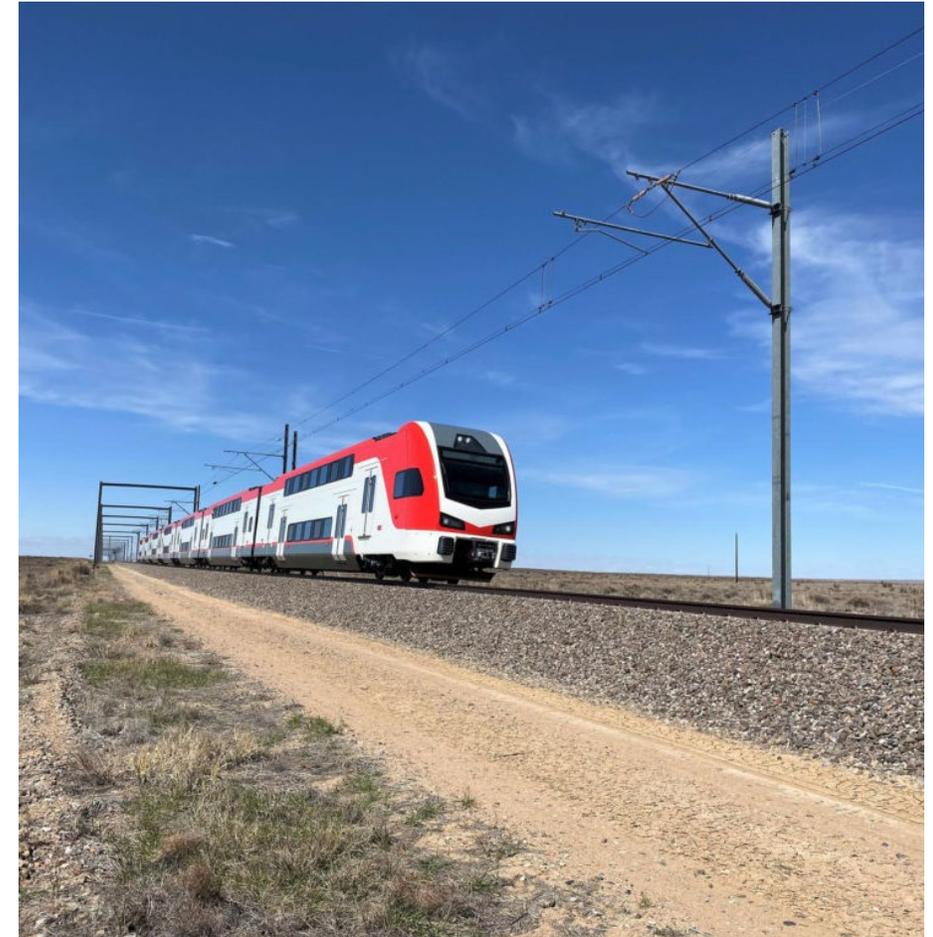
# Signal System and Communication

## (2 Speed Check) – Major Signal Work in March

- Installation of 2 Speed Check hardware and software at 17 grade crossings in Burlingame and San Mateo
- Dates: March 14<sup>th</sup> to April 2<sup>nd</sup>
- City Coordination
- Public Outreach Campaign
- Changes to Revenue Service during three-week work period
  - 88 trains on weekdays (down from the current 104)
  - Peak service reduced to 3 different limited trains each hour per direction (down from 4)
  - Baby Bullet service will be suspended
  - No changes to midday, evening, and weekend schedule

# Electric Trains

- Completion of 4,000 mile testing first trainset in Pueblo, CO
- First trainset to be shipped March 2022
- Rebaseline of production schedule
- 14<sup>th</sup> trainset anticipated arrival winter 2023 for revenue service fall 2024
- 19<sup>th</sup> trainset anticipated arrival fall 2024



*As of December 15, 2021*

# Crossing Optimization Project

# Project Goal

- Implement wireless activation system
- Improve grade crossing warning system performance
- Reduce crossing system activations
- Reduce gate down time

# Work Completed to Date

- Concept of Operations including FRA reviews
- Submitted crossing optimization test request for FRA approval  
(public comment period ends February 2022)
- Completed throughput & communications readiness studies
- Completed optimization on-board system design

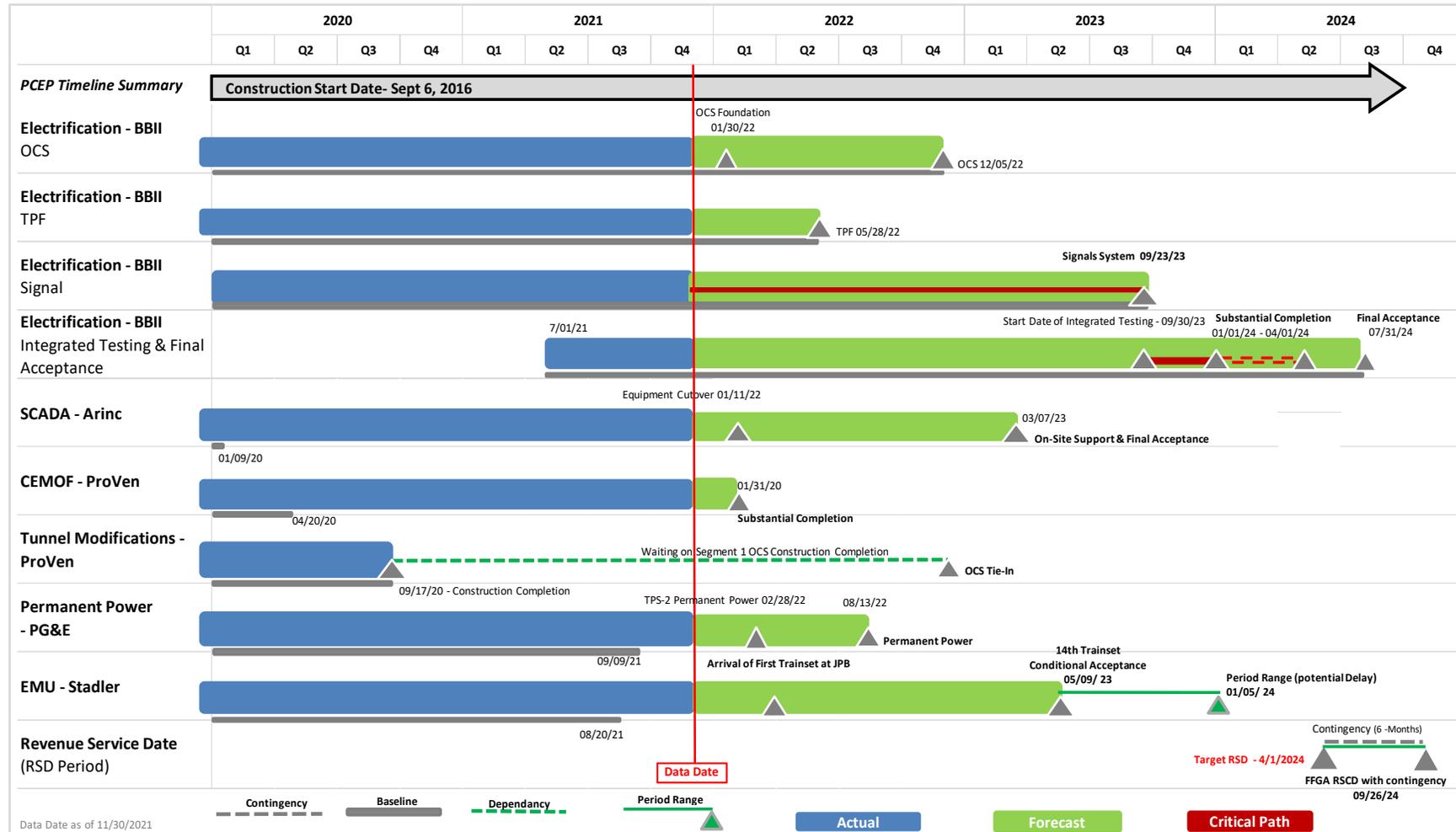
# Upcoming Major Activities

- Proof of Concept: Perform pilot cutover at Virginia and Auzerais crossings Winter 2022
- Review, negotiate and approve additional work proposal with Wabtec
- Seek Change Management Board approval February 2022
- Finalize implementation schedule and total project cost March 2022

# Program Management

# Program Master Schedule

Revenue Service Date Remains Fall 2024



# Top Risks

**Green = Mitigations/actions identified and no impact to budget/schedule**

**Yellow = Mitigations/actions identified and potential impact to budget/schedule**

**Red = Impact to budget/schedule**

Delay of two speed check design, installation and testing
\$410M funding gap
Single Phase Study approval delay may impact testing and energization of Segment 4
Delays in parts supply chain affecting vehicle production
System integration and interface with existing operational systems testing duration and resources
Different site condition resulting duct bank construction delay impacting signal cutover schedule

# Program Budget

Description of Work	Current Budget (1)	Cost for Month (2)	Cost to Date (3)	Estimate to Complete	Project Total
<b>Electrification</b>	\$1,749,139,438	\$38,595,734	\$1,084,939,492	\$664,199,946	\$1,749,139,438
<b>EMU</b>	\$693,551,258	\$6,686,809	\$317,117,736	\$376,433,523	\$693,551,258
<b>Program Total</b>	\$2,442,690,696	\$45,282,542	\$1,402,057,228	\$1,040,633,468	\$2,442,690,696

*Notes:*

1 "Current Budget" includes executed change orders and awarded contracts

2 "Cost This Month" represents cost of work performed November 2021

3 "Cost To Date" includes actuals (amount paid) and accruals (amount of work performed) as of November 2021

# Contingency, Risk and Incentive

	<b>Project Contingency</b>	<b>BBI Shared Risk Pool</b>	<b>BBII Incentive Pool*</b>	<b>Total</b>
<b>Baseline Amount</b> <i>as of 12/6/21</i>	\$40.0M	\$50.0M	\$18.5M	\$108.5M
<b>Usage</b> <i>through 12/31/21</i>	(\$0.0M)	(\$0.0M)	(\$0.0M)	(\$0.0M)
<b>Remaining Balance</b>	\$40.0M	\$50.0M	\$18.5M	\$108.5M

\*Note: Total incentive includes carryover from original budget and \$15M from BBII global settlement

# Funding Update

- Develop \$410M Funding Plan
  - Identified consultant support and prepare federal /state funding action plan
  - Developing collateral materials (jobs map, etc.)
- Federal Update
  - Tracking Notice of Funding Availability (NOFA) / administration push for significant awards in 2022
  - Continuing to meet with federal delegation and funding agencies regarding project need
  - Seeking clarity on Capital Investment Grants funding eligibility
  - Advocating for FY22 appropriations language to maximize funding for Full Funding Grant Agreement projects in need

# Funding Update, cont.

- **State Update**

- Tracking Notice of Funding Availabilities (NOFAs)
- Meeting with state delegation and funding agencies regarding project need
- Governor's Budget Included \$9.1B for transportation
- Discussion with Budget Chairs underway geographic targets and existing funding formula vs TIRCP language flexibility

# Upcoming Board Actions

- No upcoming JPB actions forecasted
- Future reporting items
  - Draw down of contingency, risk and incentive
  - Contract capacity/budget actions

FOR MORE INFORMATION

[WWW.CALTRAIN.COM](http://WWW.CALTRAIN.COM)



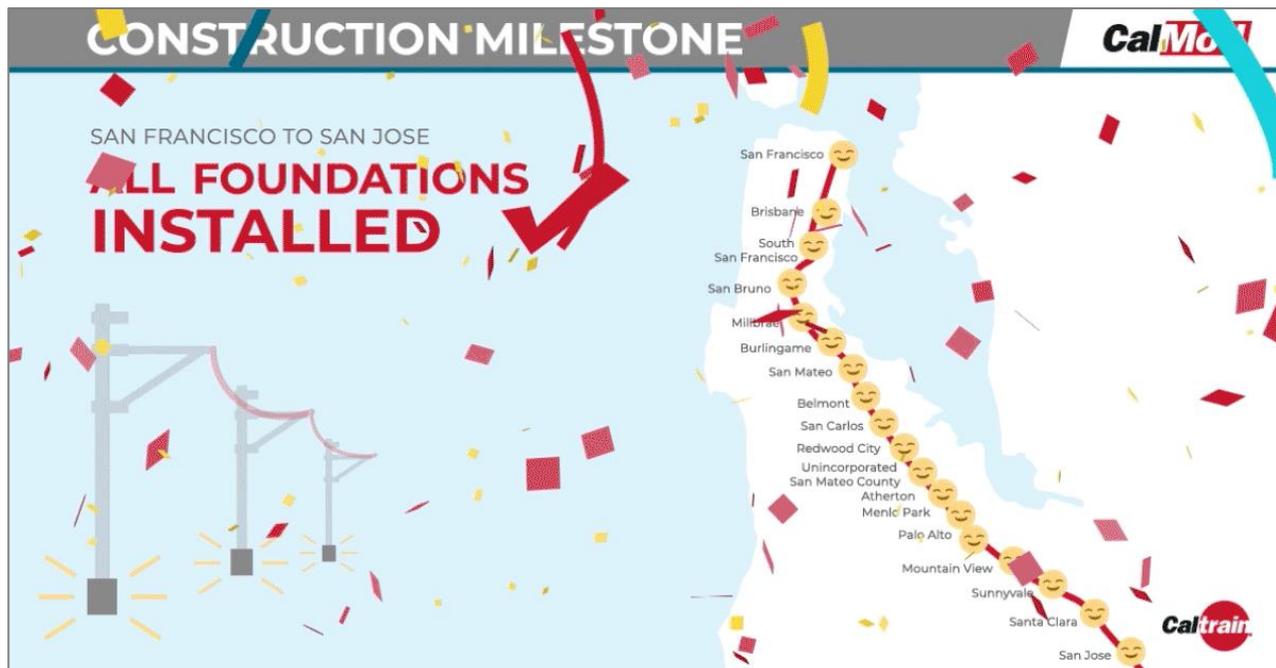


## Memorandum

**Date:** January 25, 2022  
**To:** CalMod Local Policy Maker Group (LPMG)  
**From:** Jadie Wasilco, Government and Community Affairs Manager  
**Re:** Caltrain Electrification Project E-Update

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### FOUNDATIONS COMPLETE



After four years of construction, the final foundation for the catenary poles was installed in San Francisco on January 14, 2022. This is a major milestone in the electrification of the system, to be followed by the completion of the installation of poles this summer, and the beginning of testing of the electric trains on our tracks shortly after.

### ELECTRIC TRAIN 4000 SIMULATED MILES SERVICE TESTED

The first electric train successfully concluded 10 months of intensive testing at the Transportation Technology Center, Inc. in Pueblo, CO, routinely performing above and beyond expectations. The testing culminated with a 4,000 mile simulated service test, with the high-performance electric train completing 298 laps without fault on a 13.5 mile test loop over the course of 10 test days.



Some of the other tests completed included dynamic brake, propulsion, wheel spin and wheel slide, PTC, ride quality, abnormal service conditions, train control, network monitoring, and diagnostics. The vehicle is returning to the Salt Lake City train manufacturing facility to be prepared for travel to California. We look forward to seeing this vehicle on our property later this year.

## **PUBLIC MEETINGS:**

**JPB WPLP Committee Meeting – January 26 at 3:00 p.m. – Please note, this will be remote only**

**JPB Board Meeting – February 3 at 9:00 a.m. – Please note, this will be remote only**

**JPB Finance Committee Meeting – February 21 at 2:30 p.m. – Please note, this will be remote only**

For more details, and a full list of upcoming meetings, please visit [Caltrain.com/Meetings](https://www.caltrain.com/Meetings).

## **DETAILED PROGRESS REPORT:**

[November Monthly Progress Report](#) presented to Caltrain Board on January 6, 2022.



# CALIFORNIA High-Speed Rail Authority

## Memorandum

**Date:** January 27, 2022  
**To:** Local Policy Maker Group (LPMG)  
**From:** Boris Lipkin, Northern California Regional Director  
**Re:** California High-Speed Rail Program Update

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### STATEWIDE UPDATE

#### **FRA Administrator Confirmed**

On January 12, the United States Senate confirmed Amit Bose as the 15th Federal Railroad Administration (FRA) Administrator. Bose was announced as the nominee for FRA Administrator at the outset of the Biden Administration and served as Deputy Administrator until his confirmation this week. The California High-Speed Rail Authority (Authority) had the opportunity to offer Bose a tour of construction last month.



*FRA Administrator Bose tours Central Valley construction*

#### **Statewide Project Update**



On January 20, the Authority's Board of Directors voted to unanimously approve the Final EIR/EIS for the Burbank to Los Angeles project section. This action clears the final environmental hurdles to advance service into Los Angeles Union Station. Two of the four Southern California project sections are now environmentally cleared, and 60% of the Phase 1 System from San Francisco to Los Angeles and Anaheim are now environmentally cleared – nearly 300 miles of the proposed 500 mile system. The two Northern California sections are expected to come to the Board of Directors in the coming months. [A map of the project section on the left is also linked here.](#)



# CALIFORNIA High-Speed Rail Authority

## **Governor's Budget**

On January 10, 2022, Governor Newsom unveiled his 2022-2023 state budget proposal, called the [California Blueprint](#).

In it, the Governor renewed his call to allocate the remaining \$4.2 billion of Proposition 1A high-speed rail funding. His proposed budget included a total of \$9.1 billion in transportation and infrastructure funding. [The full press conference can be viewed here](#), and the Governor's remarks about high-speed rail begin at minute 22.

The Governor traveled to the Bay Area last week and held a press conference at the Santa Clara Depot rail station, where he highlighted the major transportation and infrastructure investments in his California Blueprint. His remarks reconfirmed his commitment to high-speed rail, completing the Merced to Bakersfield initial operating segment and continuing to the Bay Area and Los Angeles/Anaheim. The siting of the press conference was a reminder of the partnership between the Authority and Caltrain on investments including the Caltrain electrification project which runs through the Depot.

Other transportation components of the Governor's proposal include: \$3.75 billion for rail and transit, including grade separations, \$750 million for active transportation; \$1.2 billion for port-related supply chain projects; \$400 million for climate adaptation projects; a state appropriation of \$4.5 billion in new federal formula funds; and \$100 million for continuing the Clean California Local Grant Program.

## **NORTHERN CALIFORNIA UPDATE**

### **Environmental Milestone**

The Authority will be releasing the Final Environmental Impact Report/Environmental Impact Statement (Final EIR/EIS) for the San Jose to Merced project section in February 2022. The Final EIR/EIS will include responses to all comments received on the Draft EIR/EIS and the Revised/Supplemental Draft EIR/EIS and necessary changes to address those comments. When released, it will be available on the [Authority's website](#).

The document will be presented to the Authority's Board of Directors for consideration during a two-day board meeting, April 21 and 22. If approved, this milestone will move the project section closer to being "shovel ready" for when preconstruction and construction funding become available.

### **Community Working Group Meetings**

The Authority will host meetings with the San Jose to Merced Project Section Community Working Groups on March 9 and 10. The meetings will include a presentation on the Draft 2022 Business Plan and the Final EIR/EIS.

When the meeting links become available, they will be posted on the [Authority's website in the "Upcoming Events" section](#).