



Quarterly Capital Program Status Report and DBE Status Report

Prepared for the December 03, 2020 Caltrain Board Meeting

1st Quarter FY2021: July 01, 2020 – September 30, 2020

Peninsula Corridor Joint Powers Board



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Caltrain - Capital Program - Budget Summary

1st Quarter FY2021 - July 01, 2020 to September 30, 2020

All Costs in \$1,000's

Programs						
	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
1. Station and Intermodal Access	\$39,756	\$1,450	\$745	\$6,600	\$4,870	\$2,100
2. Right of Way / Signal & Communications	\$40,350	\$180,232	\$22,438	\$20,072	\$20,877	\$27,816
3. Rolling Stock	\$4,000	\$6,997	\$12,826	\$17,034	\$5,063	\$12,664
4. Operational Improvements/Enhancements	\$2,844	\$4,723	\$31,054	\$2,050	\$3,800	\$31,377
5. Planning and Studies	\$4,220	\$2,756	\$3,040	\$6,425	\$12,290	\$8,698
7. Legal Mandates & Required Enhancements	\$3,337	\$14,721	\$1,220	\$1,327	\$500	\$1,500
Total Board Approved Budget by FY	\$94,507	\$210,879	\$71,323	\$53,508	\$47,400	\$84,155

The FY2021 budget includes the Capital Budget approved at the October 2020 Board meeting.

The Caltrain Modernization Program is reported separately and not included in this quarterly report.

Some of the major projects in progress or completed include, but are not limited to the following:

Currently in Progress

- 25th Avenue Grade Separation Project
- Burlingame Broadway Grade Separation Project
- Caltrain Right of Way Fencing Project
- Churchill Avenue Grade Crossing
- Energy Efficient Lighting Retrofit
- Guadalupe River Bridge Replacement and Extension Project
- Marin and Napoleon Bridge Replacement Project
- Mary Avenue Traffic Signal Project
- MP-36 Locomotive Mid-Life Overhaul
- Rengstorff Avenue Grade Separation
- South San Francisco Station Improvements Project
- Station Enhancements and Renovation Project Systemwide
- Communication Rehabilitation Project Systemwide Signal Rehabilitation Project
- Systemwide Station Rehabilitation Project
- Systemwide Track Rehabilitation Project
- Systemwide Grade Crossing Improvement Project

Completed Projects

- F-40 Locomotive Mid-Life Overhaul Project
- Inward Facing Cameras on trains
- Los Gatos Bridge Replacement Project
- Sunnyvale Station Rehabilitation Project
- Upgrade CCF Equipment Room Cooling

Note: The "Total Board Approved Budget by FY" reflects the annual fiscal year capital budget approved by the Caltrain Board. This authorizes the amount that can be spent on projects. Unspent budget in a fiscal year may be carried forward to subsequent budget years.

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TRAFFIC LIGHT REPORT

The following projects represent a sub-set of the total Capital Program and have been selected for inclusion into the Quarterly Report due to project value, operational significance, and/or impact on customers.

	SCOPE		SCHEDULE		BUDGET / COST		SAFETY		
	Q4FY20	Q1FY21	Q4FY20	Q1FY21	Q4FY20	Q1FY21	Q4FY20	Q1FY21	
25th Ave. Grade Separation Project									4
Automatic Passenger Counters 4th & King									6
BayShore Station Overpass Pedestrian Bridge Rehab Project									8
Broadband Communication									10
Burlingame Broadway Grade Separation Project (Preliminary Design/Environmental Clearance)									12
CCF and BCCF Virtualization Project									14
Churchill Avenue Grade Crossing									16
Energy Efficient Lighting at Caltrain Stations									18
F-40 Locomotive Mid-Life Overhaul Project									20
Grade Crossing Improvement FY 2019 & 2020									22
Guadalupe River Bridges Replacement and Extension Project (Preliminary Design/Environmental Clearance)									24
Marin and Napoleon Bridge Replacement Project									26
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MP-36 Locomotive Mid-Life Overhaul Project									30
Next Generation Visual Message Signs (VMS) & Pads									32
Railroad Communications System Project - FY2017									34
Railroad Communications System Project - FY2018									36
Railroad Communications System Project - FY2019									38
Rengstorff Avenue Grade Separation									40
Right Of Way Fencing Project									42
South San Francisco Station Improvement Project									44
Station Enhancement and Renovation Project									46
Systemwide Signal System Rehabilitation Project - FY2019									48
Systemwide Track Rehabilitation Project - FY2019									50
Ticket Vending Machine Rehab Program Project									52
Wayside Bike Parking Improvement Project									54



= Project On-Hold



= No Issues



= Notable Issues



= Significant Issues

25th AVENUE GRADE SEPARATION PROJECT



SCOPE:



This project will raise the vertical alignment and provide grade separations between Hillsdale Boulevard and SR-92 in the City of San Mateo, including:

- Grade separating the 25th Avenue at-grade crossing.
- Construction of two new grade separated crossings at 28th and 31st Avenues.
- Perform relocation of the existing Hillsdale Caltrain station. The new station will be an elevated, center-board platform, located south of 28th Avenue.

Scope includes final design/environmental (CEQA and NEPA) clearance work and construction to replace the existing 25th Avenue at-grade crossing with a two-track elevated grade separation. The elevated rail alignment will require the relocation of the existing Hillsdale Caltrain Station northward to a location between 28th and 31st Avenues and will allow for new street connections between El Camino Real and Delaware Street at 28th and 31st Avenues in San Mateo, California.

Issues: None.

SCHEDULE:



Activity ID	Activity Name	Start	Finish	14	15	16	17	18	19	20	21
				Q	Q	Q	Q	Q	Q	Q	Q
002088 - 25th Avenue Grade Separation		16-Jul-14 A	30-Sep-21								
• Preliminary Engineering		16-Jul-14 A	31-Oct-15 A								
• Environmental Clearance		25-Sep-14 A	28-Oct-16 A								
• Final Design		02-Nov-15 A	09-Dec-16 A								
• Bid & Award		15-Nov-16 A	09-Aug-17 A								
• Construction		10-Aug-17 A	30-Jun-21								
• Project Close Out		01-Jul-21	30-Sep-21								

Progress:

Jul - Sep 2020

- (1) Completed construction of ramps and stairs.
- (2) MT1 completed and operational
- (3) Worked on 31st Ave soldier pile walls on west side of tracks
- (4) Coordinating with Clean Water CSM team for 30" sewer line work within JPB ROW
- (5) Continued lowering of 28th east side - Roadway/Structure Excavation
- (6) Continued working on removal of old tracks and ballast at MT-1 and MT-2
- (7) Continued excavation for parking lot.
- (8) Coordination with City for 25th Ave. stage construction work.
- (9) Ongoing work at Station House for amenities, platform fixtures.
- (10) Ongoing work at Borel Creek.

Future

Activities:

Oct - Dec 2020

- (1) Work to be completed on RWs 6B and 7B at 28th Ave.
- (2) Complete roadway excavation on 31st Ave.
- (3) Coordination with PG&E and Utilities for work related to new signals, PTC house, Intermediate Signals and Station House.
- (4) Discussion/NTP for potential sewer line work at 31st Ave.
- (5) Subgrade preparation for parking lots.

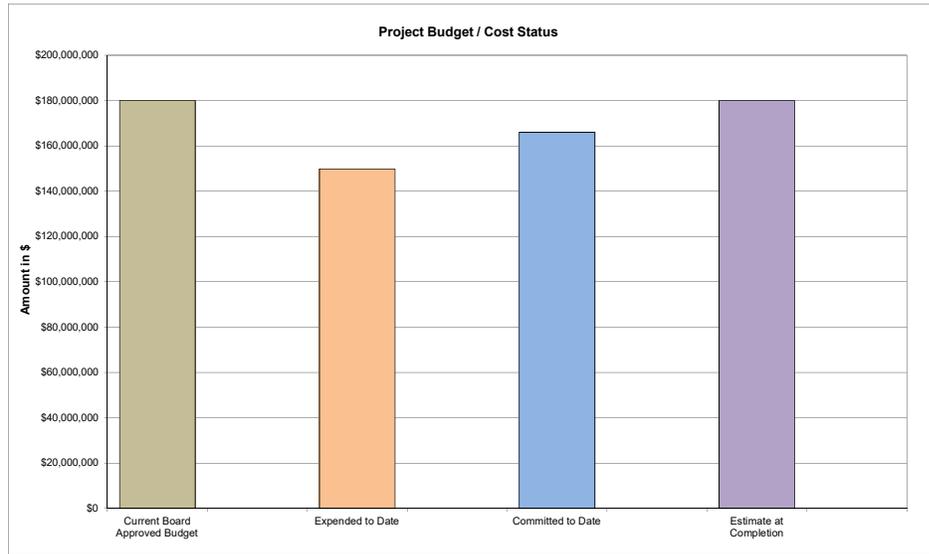
Issues:

- (1) Project Budgets need to be reviewed.
- (2) Approximately \$2M needs to be reimbursed from PCEP for OCS work performed on the project.
- (3) Calwater Agreement for work on 28th and 25th Ave - needs to be executed (can cause potential schedule impacts to project).
- (4) Coordination with PG&E for power to new station house.
- (5) Coordination with City of San Mateo for 25th Ave Stage Construction Work.

25th AVENUE GRADE SEPARATION PROJECT

BUDGET:

	(a)	(b)	(c)	(d)	(e) = (a - d)	
	Current Board Approved Budget	Expended to Date	Committed to Date	Estimate at Completion	Variance at Completion	
	Total Project	\$180,000,000	\$149,818,836	\$166,041,040	\$180,000,000	\$0



Issues: None.

SAFETY: (1) One incident occurred – employee was dizzy, stood up and fell back hurting his head.



Automatic Passenger Counters at 4th & King



SCOPE: This project will be for the design and installation of Automatic Passenger Counters (APC) at the platform doors at the Caltrain 4th & King station. Included will be the design of the hardware installation of the APC at 4th & King and the software implementation to retrieve the APC data and analyze it remotely. A contractor will be selected through an IFB process to install the APC equipment at 4th & King.

Issues: None.

SCHEDULE:



Activity ID	Activity Name	Start	Finish	2020				2021					
				Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
100445	Automatic Passenger Counters at 4th & King	01-Dec-19 A	30-Sep-21										
	Bid & Award	01-Dec-19 A	31-Dec-20										
	Construction	31-Dec-19 A	30-Jun-21										
	Project Close Out	01-Jul-21	30-Sep-21										

Progress:

- Jul - Sep 2020 (1) Worked on the agreement and finalized the contract with designer.
- (2) Subcontractor reviewed the work.
- (3) Received approval from management to proceed with the contract with Centum Adetel for the procurement of the APC system.
- (4) Contracts & Procurement sent Centum Adetel the agreement for their review.

Future

Activities:

- Oct - Dec 2020 (1) Award the Contract to Centum Adetel .
- (2) Submit TASI WDPR, ICE and Scope to Contract & Procurement.

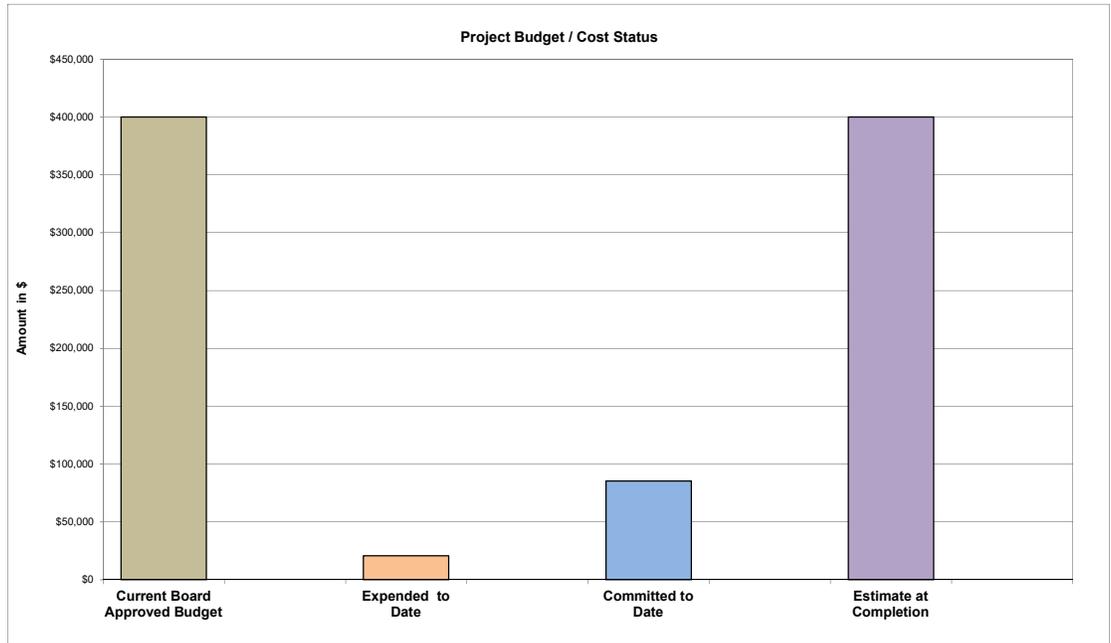
Issues: None.

Automatic Passenger Counters at 4th & King

BUDGET:



	(a)	(b)	(c)	(d)	(e) = (a - d)
	Current Board Approved Budget	Expended to Date	Committed to Date	Estimate at Completion	Variance at Completion
Total Project	\$400,000	\$20,798	\$85,302	\$400,000	\$0



Issues: None.

SAFETY:



No incidents reported this quarter.

BAYSHORE STATION OVERPASS PEDESTRIAN BRIDGE REHAB PROJECT

SCOPE	SCHEDULE	BUDGET/COST	SAFETY

SCOPE:



The Project scope consists of the removal and replacement of existing paint coatings on the steel surfaces of the pedestrian bridge and stairs at the Caltrain Bayshore Station in San Francisco.

Issues:

(1) Funding may not be enough - considering the latest revised construction estimate and previous bids of 2015.

SCHEDULE:



Activity ID	Activity Name	Start	Finish	2020				2021						
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1		
100439 - Bayshore Overpass Rehabilitation		01-Feb-20 A	28-Feb-22											
Constructability		01-Feb-20 A	31-Jul-20 A											
Bid & Award		01-Aug-20 A	31-Mar-21											
Construction		01-Apr-21	31-Dec-21											
Project Close Out		01-Jan-22	28-Feb-22											

Progress:

Jul - Sep 2020

- (1) Constructability review team on board.
- (2) Working with design consultant to edit the scope of work, cost estimate and construction schedule.
- (3) Had meeting with City of Brisbane and SFCTA regarding this upcoming project and schedule.
- (4) Working with Operations team for revising specifications related to work hours, track access, on track safety envelope requirements as per new guidelines.

Future

Activities:

Oct - Dec 2020

- (1) Finish specifications changes and constructability review.
- (2) Work with C&P team for IFB and Advertisement of Contract.

Issues:

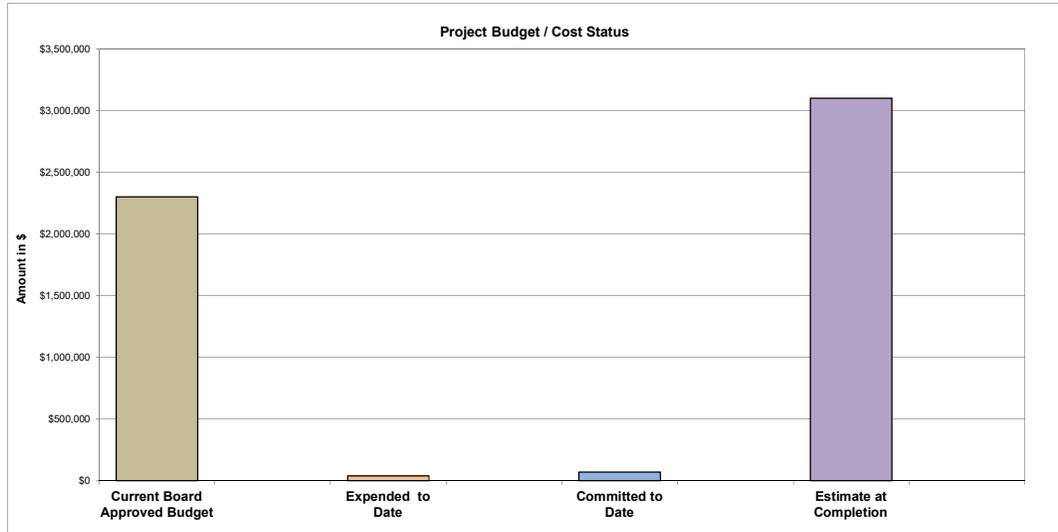
Project schedule slipped by two months as per Project Manager's latest analysis.

BAYSHORE STATION OVERPASS PEDESTRIAN BRIDGE REHAB PROJECT

BUDGET:



	(a)	(b)	(c)	(d)	(e) = (a - d)
	Current Board Approved Budget	Expended to Date	Committed to Date	Estimate at Completion	Variance at Completion
Total Project	\$2,300,000	\$40,363	\$70,530	\$3,100,000	(\$800,000)



Issues: None.

SAFETY: No incidents reported this quarter.



Broadband Communication



SCOPE: The project will design a broadband wireless communications system along the Caltrain corridor for the wayside train maintenance diagnostics and passenger WiFi service. The project will investigate leveraging the existing infrastructure such as the Overhead Contact System (OCS) poles and JPB fiber network to communicate with passing trains. Wayside antennas may be mounted on the OCS poles at a constant interval to communicate with moving trains that will be equipped with radios and antennas.

The current project scope is for the design only.

Issues: None.

SCHEDULE:



Activity ID	Activity Name	Start	Finish	2020				2021				
				Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
100403	Broadband Communication	11-Nov-19 A	30-Jun-21									
	▣ Bid & Award	11-Nov-19 A	31-Oct-20									
	▣ Construction	01-Nov-20	31-Mar-21									
	▣ Project Close Out	01-Apr-21	30-Jun-21									

Progress:

Jul - Sep 2020

- (1) Resumed the design by providing the consultant the results of the project objectives and alternative analysis.
- (2) Started to set up the RF simulation for the RF study.
- (3) Surveyed the EMU in Salt Lake City.
- (4) Presented the RF study and cost estimate to the stakeholders.
- (5) Submitted the report for the EMU site visit in Salt Lake City that included a conceptual design for the onboard equipment.
- (6) Worked on the amendment to the design work directive to go from conceptual to final design.

Future

Activities:

Oct - Dec 2020

- (1) Amend the work directive to go from conceptual design to final design.
- (2) Coordinate the EMU onboard work for the Broadband project with Stadler.
- (3) Start the discussion with Capital Corridor to use their Master WiFi Agreement for the onboard train installation.

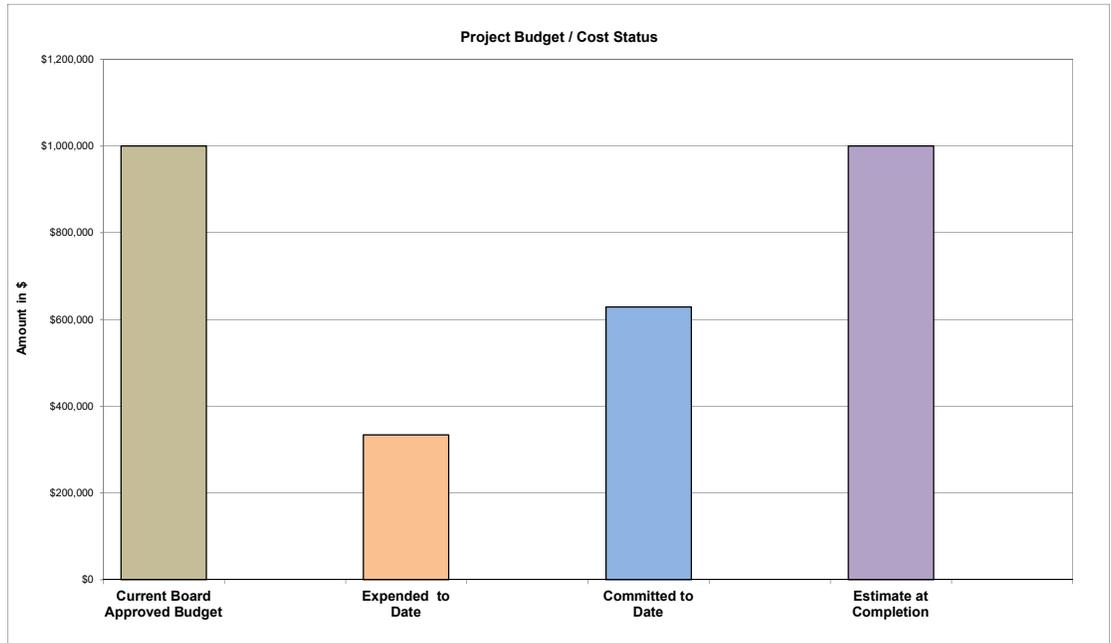
Issues: None.

Broadband Communication

BUDGET:



	(a)	(b)	(c)	(d)	(e) = (a - d)
	Current Board Approved Budget	Expended to Date	Committed to Date	Estimate at Completion	Variance at Completion
Total Project	\$1,000,000	\$334,248	\$628,844	\$1,000,000	\$0



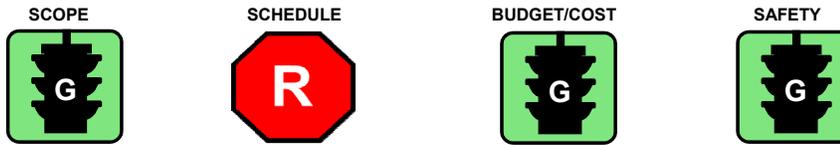
Issues: None.

SAFETY:



No incidents reported this quarter.

BURLINGAME BROADWAY GRADE SEPARATION PROJECT
(Preliminary Design/Environmental Clearance)



SCOPE:

This project will grade separate the Broadway railroad crossing in the City of Burlingame by partially elevating the rail and partially depressing the roadway. The elevated rail alignment will require the reconstruction of the Broadway Caltrain Station. Reconstruction of the Broadway Caltrain Station will remove the operational requirement of the hold-out rule.

The current scope for this project specifically is to complete the 35% preliminary design and obtain CEQA and NEPA environmental clearance needed to grade separate the Broadway at-grade crossing as described above.

Issues: None.

SCHEDULE:

Activity ID	Activity Name	Start	Finish	2017																		
				2018				2019				2020										
				Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2							
100244 - Burlingame Broadway Grade		18-Dec-17 A	15-Oct-20																			
+	Preliminary Engineering 35%	18-Dec-17 A	30-Oct-19 A																			
+	Environmental Clearance	01-Dec-19 A	15-Oct-20																			

Progress:

Jul - Sep 2020

- (1) Continued meeting with stakeholders.
- (2) Negotiations completed with highest-ranking consultant team and in coordination with C&P.
- (3) Working with Environmental Team for FTA NEPA clearance process.
- (4) Working on the process to go for November 2020 board meeting for Final Design phase.

Future

Activities:

Oct - Dec 2020

- (1) Continue meeting with stakeholders.
- (2) Finalize the negotiation for "final design phase", work with C&P for staff report and resolution.
- (3) Complete Environmental Clearance.
- (4) Work with SMCTA for finalizing the MOU of final design phase - MOU execution contingent on environmental clearance.
- (5) Target to go for November 2020 board meeting for Final Design phase.

Issues:

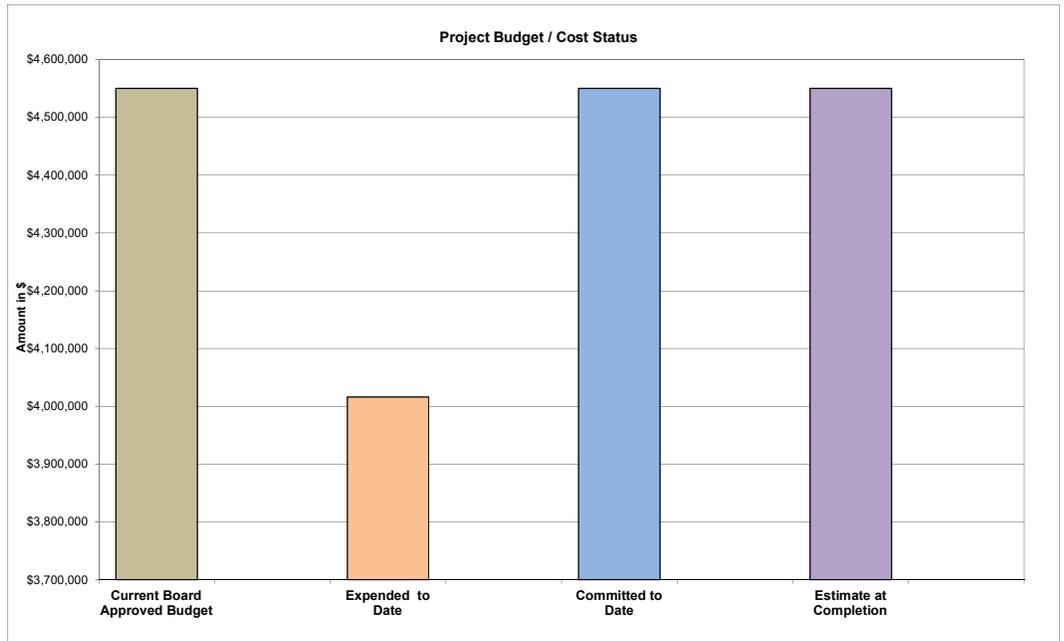
Schedule delay is due to the coordination of an additional environmental clearance community outreach meeting with the City of Burlingame. It is anticipated that Final Design will be added to the scope of this project and is contingent on the Board approving the additional funding.

**BURLINGAME BROADWAY GRADE SEPARATION PROJECT
(Preliminary Design/Environmental Clearance)**

BUDGET:



	(a)	(b)	(c)	(d)	(e) = (a - d)
	Current Board Approved Budget	Expended to Date	Committed to Date	Estimate at Completion	Variance at Completion
Total Project	\$4,550,000	\$4,016,154	\$4,550,000	\$4,550,000	\$0



Issues: None.

SAFETY: No incidents reported this quarter.



CCF AND BCCF VIRTUALIZATION PROJECT



SCOPE:



The Scope of the CalTrain Virtualization Project is to migrate the datacenters supporting rail operations to a single virtual platform. This effort will include the primary and secondary data centers.

Issues: None.

SCHEDULE:



Activity ID	Activity Name	Start	Finish	2020					
				Q1	Q2	Q3	Q4	Q1	
100430 - CCF and BCCF Virtualization		10-Feb-20 A	12-Feb-21						
+	Planning	10-Feb-20 A	06-Mar-20 A	█					
+	Execution	09-Mar-20 A	22-Jan-21		█	█	█		
+	Migration	10-Aug-20 A	22-Jan-21				█	█	
+	Project Close Out	25-Jan-21	12-Feb-21						█

Progress:

Jul - Sep 2020

- (1) Met with CDWG (consultant firm) to review Phase 1 Scope of Work(SOW) and Caltrain's team reviewed and provided comments on the Phase 1 SOW.
- (2) Discovery phase has started.
- (3) Reviewed the tools for this phase.
- (4) Reviewed and provided detailed documentation to CDWG for the Arinc and Wabtec environment.
- (5) SOW is finalized.
- (6) Greenlight to begin the work.

Future

Activities:

Oct - Dec 2020

- (1) Install the Discovery tools in both Data Centers.
- (2) Begin to poll the devices (Physical and Virtual).
- (3) Conduct working session to build a road map for successful virtualization and re-architecting the network to support that effort.

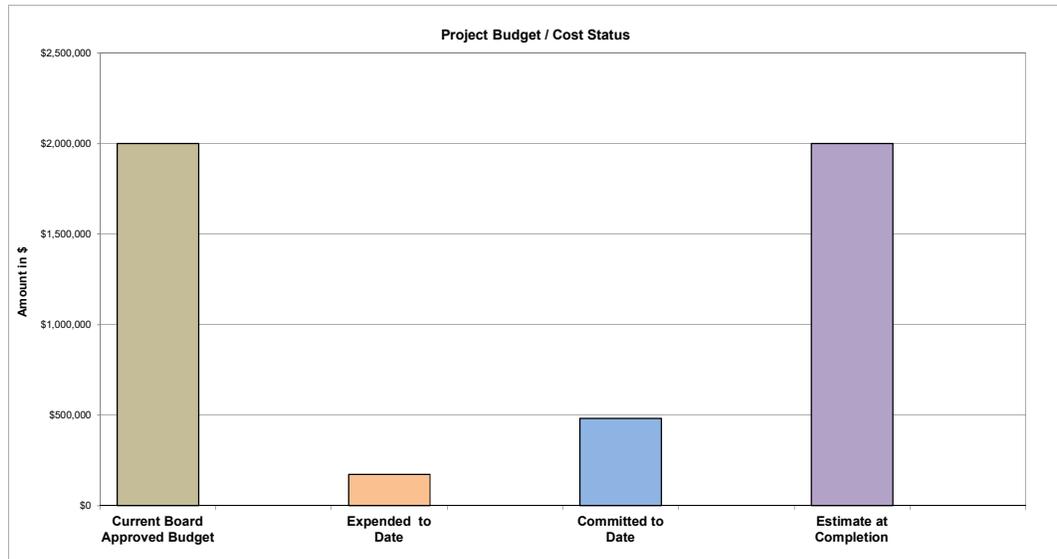
Issues: Project Schedule might be delayed due to the COVID-19.

CCF AND BCCF VIRTUALIZATION PROJECT

BUDGET:



	(a)	(b)	(c)	(d)	(e) = (a - d)
	Current Board Approved Budget	Expended to Date	Committed to Date	Estimate at Completion	Variance at Completion
Total Project	\$2,000,000	\$173,205	\$482,279	\$2,000,000	\$0



Issues: None.

SAFETY: No incidents reported this quarter.



CHURCHILL AVENUE GRADE CROSSING



SCOPE:



The scope includes the widening of the sidewalk to accommodate heavy bike and pedestrian traffic from local schools; relocate the pedestrian crossing gates due to the widened sidewalk; install new pavement marking and markers for vehicular traffic at the Churchill avenue grade crossing in Palo Alto.

Issues: None.

SCHEDULE:



Activity ID	Activity Name	Start	Finish	Timeline													
				2019			2020				2021				2022		
				Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
100426 - Churchill Avenue Grade Cross		01-Sep-19 A	30-Jul-22														
▣ Preliminary Engineering		01-Sep-19 A	30-Nov-20														
▣ Procurement		01-Dec-20	31-May-21														
▣ Construction		01-Jun-21	01-Mar-22														
▣ Project Close Out		02-Mar-22	30-Jul-22														

Progress:

Jul - Sep 2020 (1) The City of Palo Alto hired a design consultant for their portion of the grade crossing improvements.

Future

Activities:

Oct - Dec 2020 (1) Conduct the kick off meeting with the city of Palo Alto to establish the scope of work and coordinate the designs.

Issues:

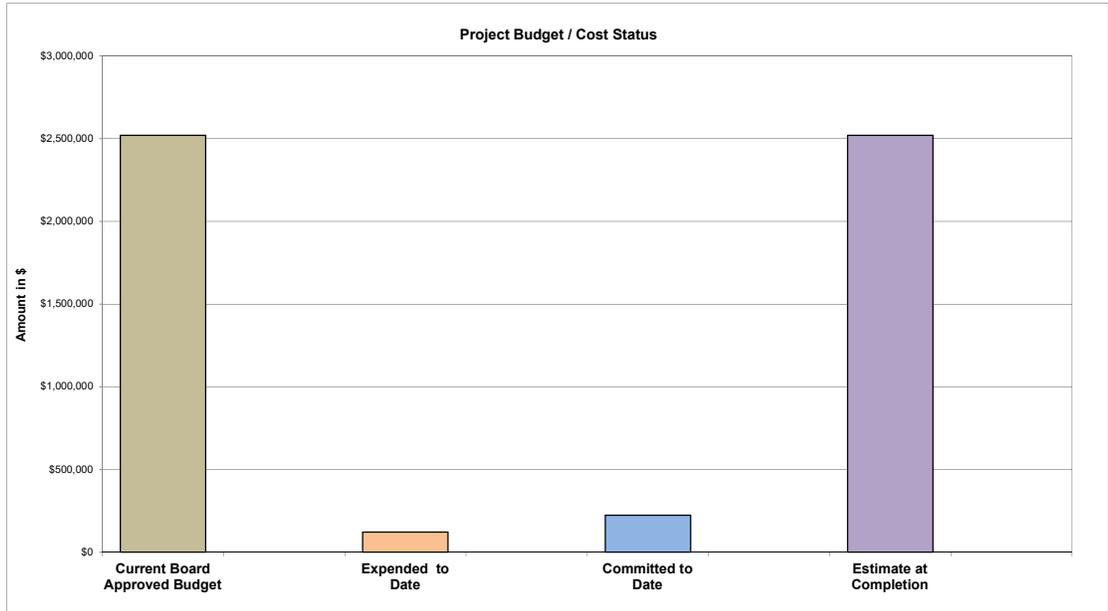
- (1) The City of Palo Alto is behind schedule for hiring a design consultant and starting their design which our design needs to be coordinated with. Project schedule will be updated next quarter.
- (2) We are waiting to hold a kick off meeting with our designer to coordinate the designs. Our 35% design is on hold until then.

CHURCHILL AVENUE GRADE CROSSING

BUDGET:



	(a)	(b)	(c)	(d)	(e) = (a - d)
	Current Board Approved Budget	Expended to Date	Committed to Date	Estimate at Completion	Variance at Completion
Total Project	\$2,520,000	\$121,227	\$222,860	\$2,520,000	\$0



Issues: None.

SAFETY: No incidents reported this quarter.



ENERGY EFFICIENT LIGHTING AT CALTRAIN STATIONS



SCOPE: The project will retrofit lights located on platforms, passenger shelters, pedestrian underpasses, parking lots and other buildings at 20 Caltrain stations. The efficient light-emitting diode (LED) lights are expected to reduce electricity costs and will reduce maintenance costs due to longer expected product lifetimes.

Issues: None.

SCHEDULE:



Activity ID	Activity Name	Start	Finish	2019				2020			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
100443	Energy Efficient Lighting at Caltrain Station	01-Jan-19 A	01-Dec-20								
	Bid & Award	01-Jan-19 A	13-Jun-19 A								
	Construction	14-Jun-19 A	31-Dec-19 A								
	Project Close Out	01-Jan-20 A	01-Dec-20								

Progress:

Jul - Sep 2020 (1) Project has been completed.

Future

Activities:

Oct - Dec 2020 **Note: This will be the last report for the project.**

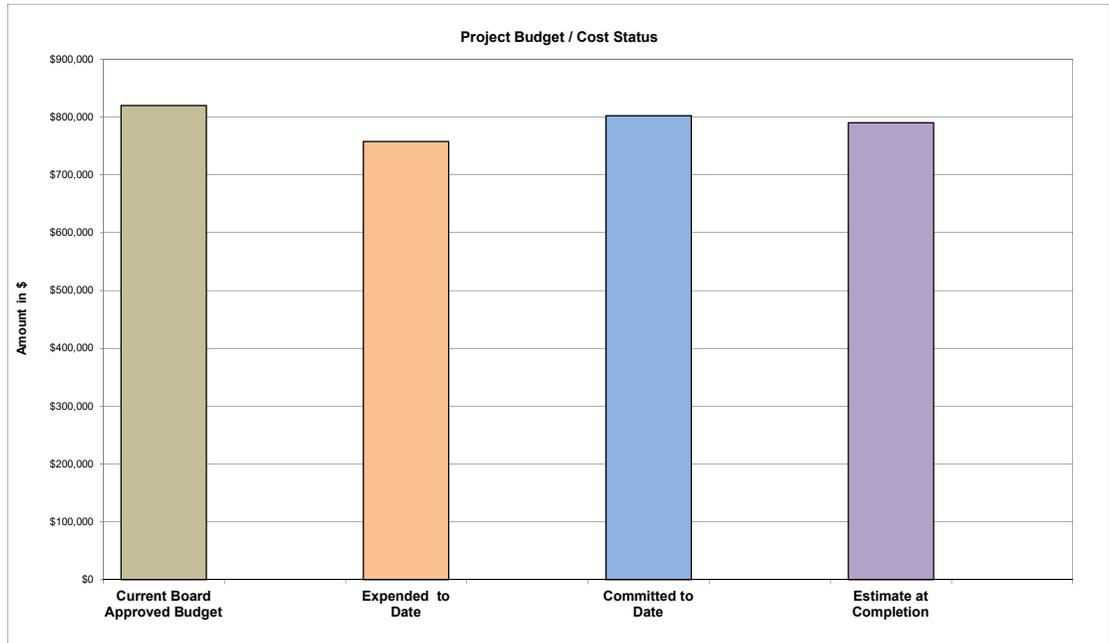
Issues: None.

ENERGY EFFICIENT LIGHTING AT CALTRAIN STATIONS

BUDGET:



	(a)	(b)	(c)	(d)	(e) = (a - d)
	Current Board Approved Budget	Expended to Date	Committed to Date	Estimate at Completion	Variance at Completion
Total Project	\$820,000	\$757,596	\$802,500	\$790,000	\$30,000



Issues: None.

SAFETY:



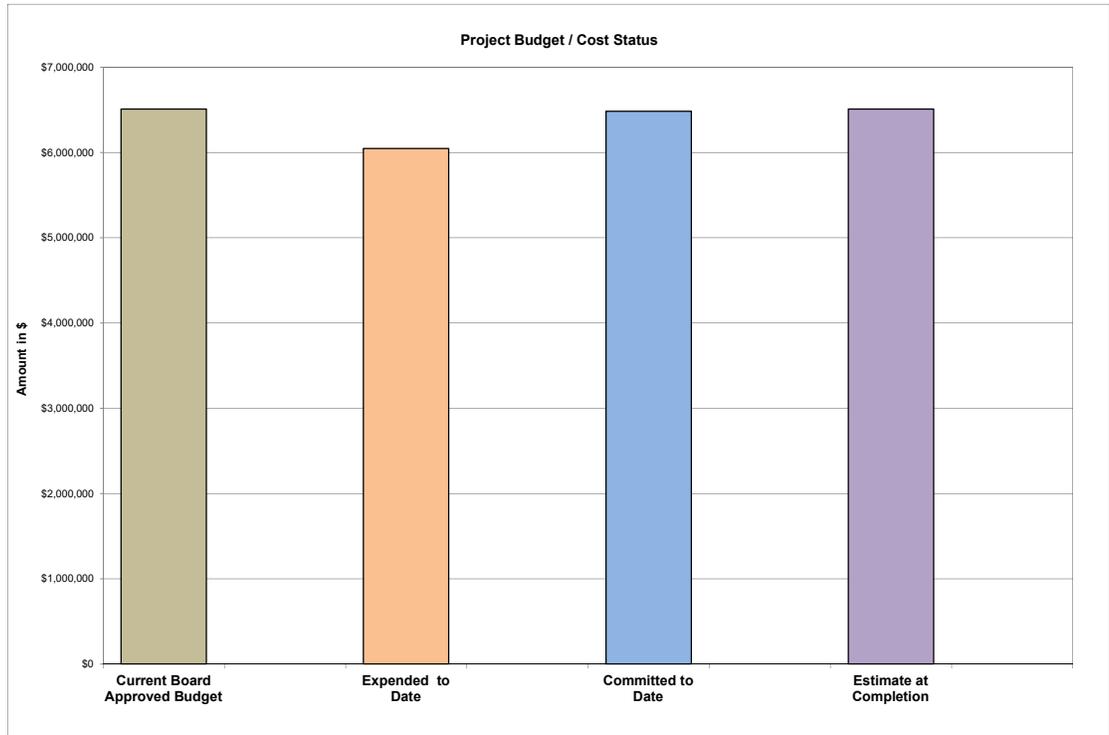
No incidents reported this quarter.

F-40 LOCOMOTIVE MID-LIFE OVERHAUL PROJECT

BUDGET:



	(a)	(b)	(c)	(d)	(e) = (a - d)
	Current Board Approved Budget	Expended to Date	Committed to Date	Estimate at Completion	Variance at Completion
Total Project	\$6,510,000	\$6,045,820	\$6,482,418	\$6,510,000	\$0



Issues: None.

SAFETY:



No incidents reported this quarter.

FY19 & 20 GRADE CROSSING IMPROVEMENTS PROJECT



SCOPE:



This project is the continuation of the Caltrain Grade Crossing Improvement Program. The project will include the design, bid & award process, installation of medians, pavement markers and markings to deter motorists from driving around a down gate or stopping on top of the tracks and turning onto the tracks.

The FY2019 and FY2020 funding will be used to improve the safety at the following five grade crossings:

San Mateo

- > 1st Avenue
- > 2nd Avenue
- > 3rd Avenue

Menlo Park

- > Glenwood
- > Oak Grove in Menlo Park.

Issues: None.

SCHEDULE:



Activity ID	Activity Name	Start	Finish	2019 2020 2021																			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4								
100333 - FY19 & 20 Grade Crossing Imp		01-Apr-19 A	30-Nov-21																				
+ Final Design		01-Apr-19 A	30-Jun-20 A																				
+ Bid & Award		01-Jul-20	31-Dec-20																				
+ Construction		01-Jan-21	31-Jul-21																				
+ Project Close Out		01-Aug-21	30-Nov-21																				

Progress:

Jul - Sep 2020

- (1) Worked with Contracts & Procurement on the development of the IFB for advertisement.
- (2) Contracts & Procurement advertised the IFB.
- (3) Conducted the Pre-bid conference where two bidders attended. No questions were submitted for the IFB from the bidders.

Future

Activities:

Oct - Dec 2020

- (1) Receive bids.
- (2) Complete Bid & Award phase.

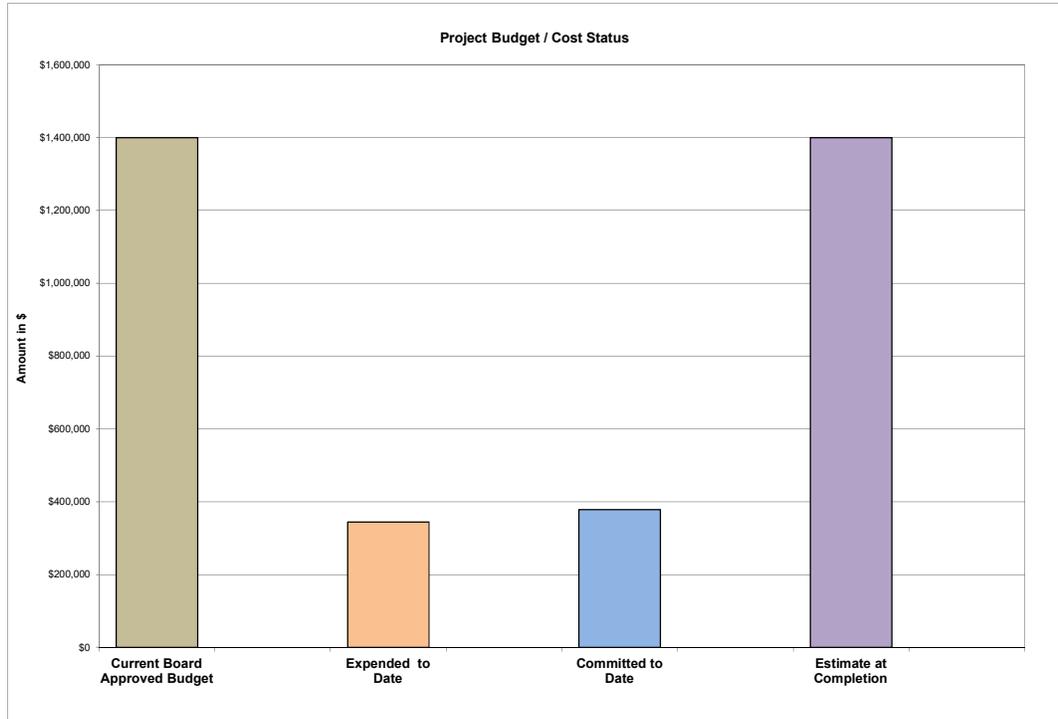
Issues: None.

FY19 & 20 GRADE CROSSING IMPROVEMENTS PROJECT

BUDGET:



	(a)	(b)	(c)	(d)	(e) = (a - d)
	Current Board Approved Budget	Expended to Date	Committed to Date	Estimate at Completion	Variance at Completion
Total Project	\$1,400,000	\$344,461	\$378,585	\$1,400,000	\$0



Issues: None.

SAFETY: No incidents reported this quarter.



**GUADALUPE RIVER BRIDGES REPLACEMENT AND EXTENSION PROJECT
(Preliminary Design/Environmental Clearance)**



SCOPE:

The purpose of the project is to address the geomorphic instability of the Guadalupe River channel in the vicinity of the two rail bridges, MT1 and MT2, over Guadalupe River in San Jose; and address the structural deficiencies of MT-1 Bridge to provide for long-term public safety and service reliability.

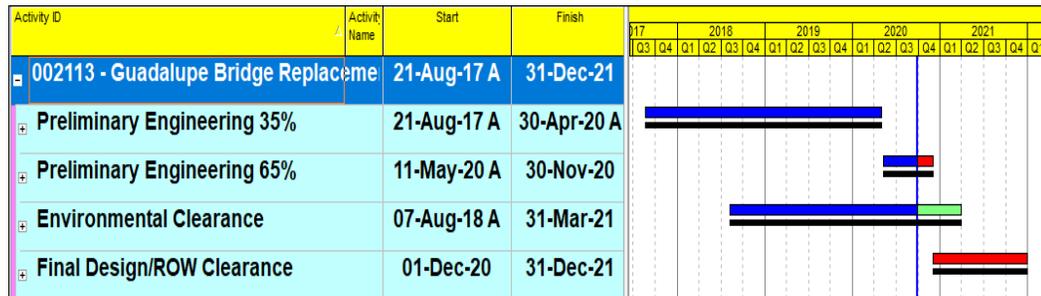
To stabilize the river channel and the structural conditions of the trestle, the project proposes to widen the channel to reduce scour and risk to bridge structures, replace MT1 with new longer bridge and extend MT2 at the south end.

The project is currently in preliminary design (65%) and in preparation of environmental studies for CEAQ and NEPA clearance.

The current scope, budget an estimate at completion is through final design only.

Issues: None.

SCHEDULE:



Progress:

Jul - Sep 2020

- Presented results of the hydraulics analysis and project status update to RWQCB and obtained RWQCB's concurrence on the project approach.
- Completed alternative fiber optic relocation concept per UPRR's request.
- Began review of title reports, and resolve boundaries for Temporary Construction Easements needed from Santa Clara Valley Water District.
- Finalized risk registry
- Reviewed OCS staging needs with PCEP. Discussed with internal stakeholders on the OCS staging plans, and the associated System and Rail operations requirements.
- Completed technical studies for environmental review, including construction staging and sequencing, utility impact, right-of-way impact, stormwater treatment and dewatering strategies.
- Began CEQA outreach planning.
- Continued to advance project to 65% design.
- Continued to coordinate with project stakeholders including SCVWD, UPRR, Utility Owners and FTA on project needs.
- Continued to coordinate with PCEP project for potential conflicts and project needs.
- Continued the preparation of Initial Study/Mitigated Negative Declaration (IS/MND).

Future

Activities:

Oct - Dec 2020

- Select fiber optics relocation option with Union Pacific.
- Begin preparation of wetland report, and Section 7 Consultation.
- Finalize stage construction plans and schedules for one vs. two years of construction.
- Select one or two seasons in-channel construction seasons for permit applications.
- Obtain JPB approval on design variances.
- Continue to coordinate with project stakeholders.

Issues:

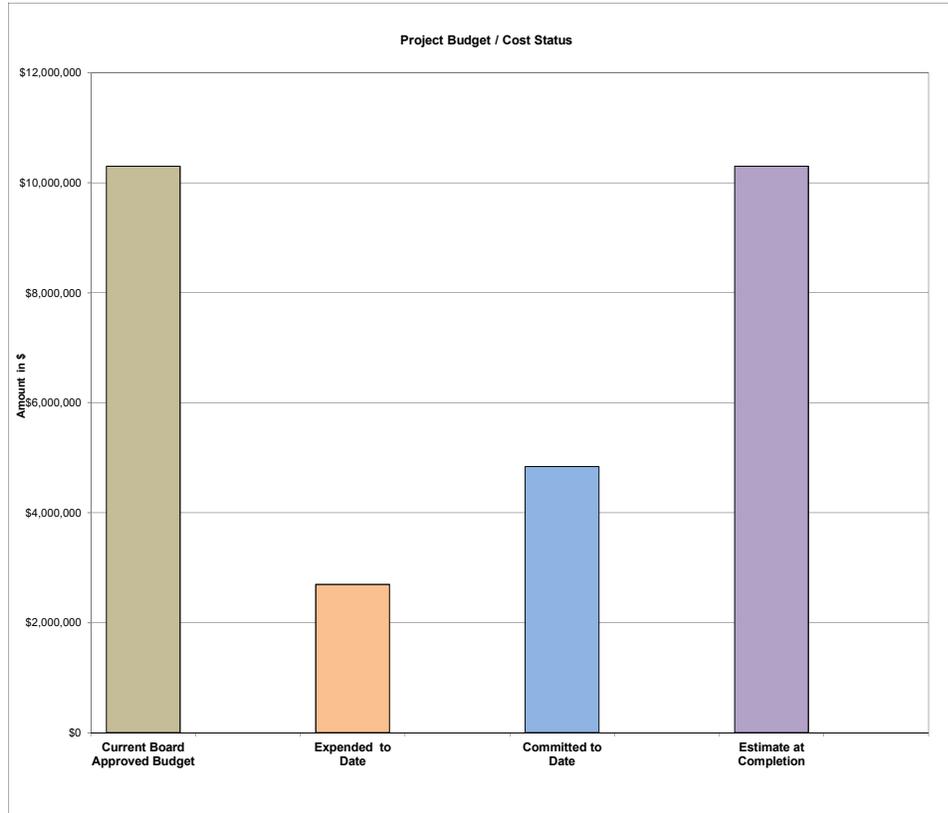
- Potential design contract amendment and extension is needed for work to be completed beyond the current design contract expiration date.
- Design and relocation of the conflicting OCS poles will add cost and time to the project schedule.

**GUADALUPE RIVER BRIDGES REPLACEMENT AND EXTENSION PROJECT
(Preliminary Design/Environmental Clearance)**

BUDGET:



	(a)	(b)	(c)	(d)	(e) = (a - d)
	Current Board Approved Budget	Expended to Date	Committed to Date	Estimate at Completion	Variance at Completion
Total Project	\$10,300,000	\$2,695,805	\$4,838,684	\$10,300,000	\$0



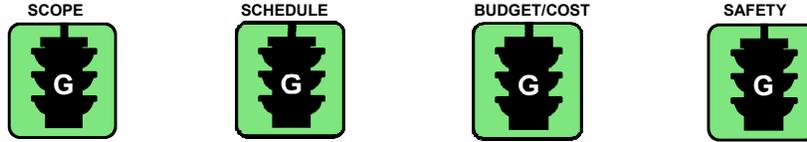
Issues: None.

SAFETY:



No incidents reported this quarter.

MARIN AND NAPOLEON BRIDGE REPLACEMENT PROJECT



SCOPE:



Marin Street and Napoleon Avenue bridges are located at MP 2.35 and MP 2.45 respectively in the City and County of San Francisco.

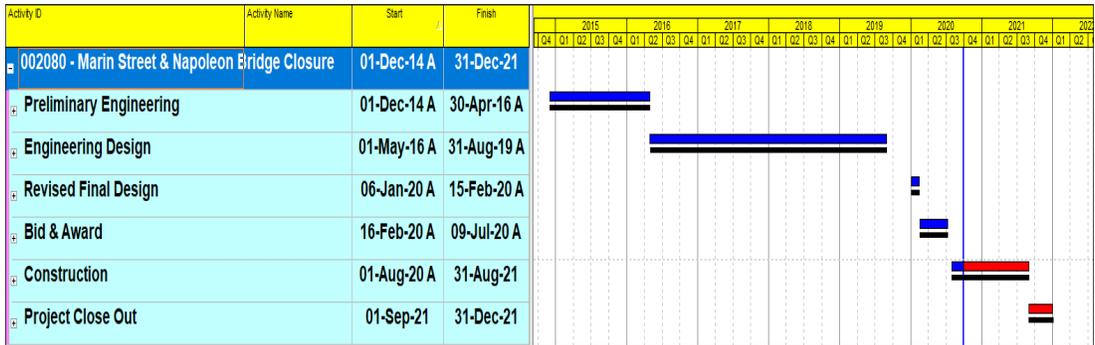
Project Scope is for:

- (1) Marin Street Bridge - Improve safety and security, maintain the bridge at a state of good repair, and improve worker safety.
- (2) Napoleon Street Bridge - improve safety and security, minimize future maintenance repairs, and replace deficient bridge components by removing the 4 short bridge spans not located over box culvert and replace with earth berm, replacing the main center steel bridge with precast concrete girders and adding new wing walls.
- (3) Additional trackwork to replace the rail on MT1 and MT2 from approximate MP 2.10 to MP 2.63.

Issues:

None.

SCHEDULE:



Progress:

Jul - Sep 2020

- (1) Obtained City of SF Major Encroachment Permit and SFPUC Consent letter for work at Napoleon Street.
- (2) Contract awarded to Proven Management at July 9, 2020 board meeting.
- (3) LNTP was issued on Aug 10, 2020 and Pre-Construction meeting was held on Aug 21, 2020.
- (4) Reviewing submittals/shop drawings and RF'Is from the contractor.
- (5) Ongoing coordination with DPW and PUC for permits.

Future

Activities:

Oct - Dec 2020

- (1) Coordinate with City and Department of Homeless for Evacuation and Clean up of sites.
- (2) Continue coordination with DPW and PUC for permits.
- (3) Continue construction activities.

Issues:

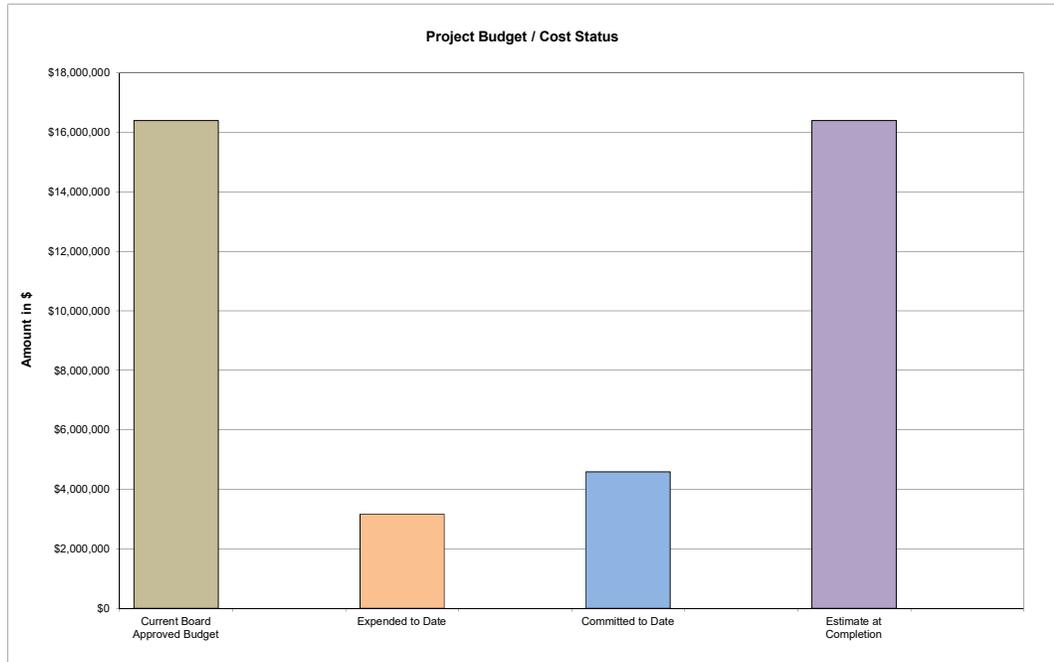
Received an approved baseline from the contractor. Project schedule was rebaselined this quarter.

MARIN AND NAPOLEON BRIDGE REPLACEMENT PROJECT

BUDGET:



	(a)	(b)	(c)	(d)	(e) = (a - d)
	Current Board Approved Budget	Expended to Date	Committed to Date	Estimate at Completion	Variance at Completion
Total Project	\$16,400,000	\$3,161,951	\$4,586,373	\$16,400,000	\$0



Issues: None.

SAFETY:



No incidents reported this quarter.

MARY AVENUE TRAFFIC SIGNAL PREEMPTION PROJECT



SCOPE:

Caltrain will install an advance signal preemption system at the Mary Avenue grade crossing to provide additional time for the City's traffic signals at Mary Avenue and Evelyn Avenue to respond to allow Caltrain to pass through.



Issues:

None.

SCHEDULE:



Activity D	Activity Name	Start	Finish	2018				2019				2020				2021			
				Q1	Q2	Q3	Q4												
100278	Mary Avenue Traffic Signal	01-Feb-18 A	31-Oct-21																
	Final Design	01-Feb-18 A	06-May-20 A																
	Bid & Award	07-May-20 A	20-Jul-20 A																
	Construction	21-Jul-20 A	30-Jun-21																
	Project Close Out	01-Jul-21	31-Oct-21																

Note: The schedule has been rebaselined based on TASI's approved work plan.

Progress:

- Jul - Sep 2020
- (1) Issued the NTP to TASI for the construction.
 - (2) TASI placed the order for the materials.
 - (3) Material will not be ready until February 2021 due to a long lead time to receive certain components.
 - (4) TASI worked on the work plan for the installation.
 - (5) Received TASI's work plan for the underground work.
 - (6) TASI started the underground work for the track wires.

Future

Activities:

- Oct - Dec 2020
- (1) Continue to do the underground work for the track wires.

Issues:

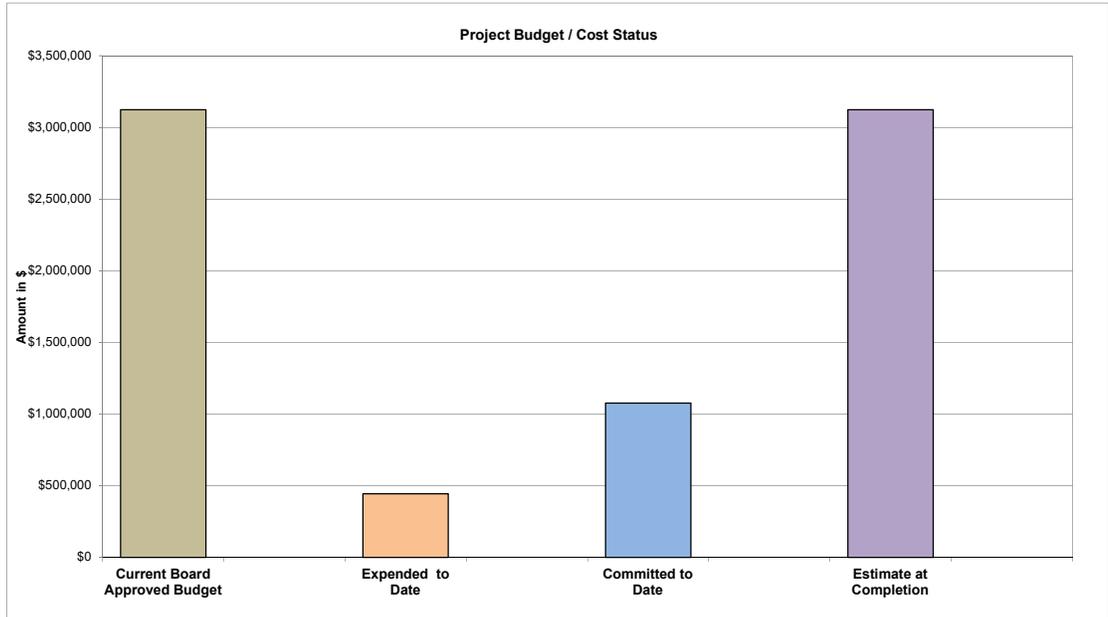
None.

MARY AVENUE TRAFFIC SIGNAL PREEMPTION PROJECT

BUDGET:



	(a)	(b)	(c)	(d)	(e) = (a - d)
	Current Board Approved Budget	Expended to Date	Committed to Date	Estimate at Completion	Variance at Completion
Total Project	\$3,125,000	\$443,492	\$1,077,476	\$3,125,000	\$0



Issues: None.

SAFETY:



No incidents reported this quarter.

MP-36 LOCOMOTIVE MID-LIFE OVERHAUL PROJECT



This project will perform mid-life overhaul of six MP-36-3C Locomotives. The mid-life overhaul of the locomotives shall include complete disassembly of the main diesel engine, overhauling by reconditioning re-usable main frame components and re-assembly with new engine components and the replacement of the Separate Head-End Power (SEP-HEP) unit and all electrical components of the SEP-HEP compartment. All areas of the locomotive carbody, trucks, wheels and electrical components shall be reconditioned to like-new condition or replaced with new material. The project work shall be completed off-site at the contractor's facility location. Project also includes onsite inspection and contract management by JPB's vehicle consultant. Final acceptance of the completed locomotive overhaul will be conducted at the JPB's CEMOF facility in San Jose. The six locomotives are:

1. Locomotive # 923
2. Locomotive # 924
3. Locomotive # 925
4. Locomotive # 926
5. Locomotive # 927
6. Locomotive # 928

Issues:

The scope of Project 100218 has been limited to the specifications only. The overhaul contract will be completed under Project 100233 which will be included in the next quarterly report.

SCHEDULE:



Activity ID	Activity Name	Start	Finish	2017	2018	2019	2020	2021	2022	2023
100218 - MP-36 Locomotive Mid-Life Overhaul		01-Apr-17 A	30-Jun-23	■	■	■	■	■	■	■
Technical Specs		01-Apr-17 A	28-Feb-18 A	■						
Bid & Award		01-Jul-19 A	30-Apr-20 A		■					
Construction		16-Jun-20 A	31-Mar-23				■	■	■	■
Project Close Out		01-Apr-23	30-Jun-23							■

- Note:**
1. Schedule has been rebaselined with the contractor schedule.
 2. The schedule includes Project 100233 scope.

Progress:

Jul - Sep 2020

- (1) Performed the in-bound test of locomotive #927.
- (2) Locomotive #927 has been completely disassembled and the main-engine has been sent out for re-build.
- (3) Locomotive #927 is completely disassembled and ready to start sandblasting the body panels.

Future

Activities:

Oct - Dec 2020

- (1) This is the last quarterly report for project 100218. The vendor's overhaul progress will be included next quarter in Project 100233.

Issues:

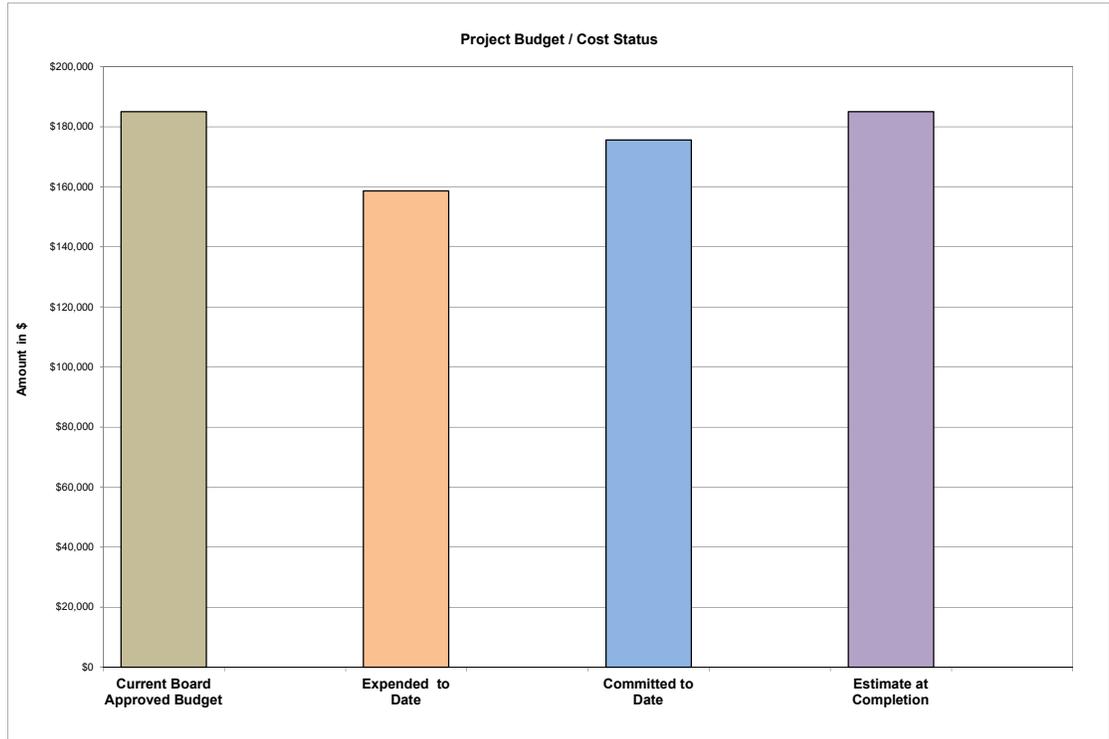
None.

MP-36 LOCOMOTIVE MID-LIFE OVERHAUL PROJECT

BUDGET:



	(a)	(b)	(c)	(d)	(e) = (a - d)
	Current Board Approved Budget	Expended to Date	Committed to Date	Estimate at Completion	Variance at Completion
Total Project	\$185,000	\$158,689	\$175,660	\$185,000	\$0



Issues: The Project budget and estimate at completion has been adjusted to reflect the project specification scope only.

SAFETY: No incidents reported this quarter.



Next Generation Visual Message Signs (VMS) & Pads



SCOPE: This project will determine the new visual message signs (VMS) and passenger information system for the Caltrain stations. The current VMS signs are no longer supported by the manufacturer and the predictive arrival and departure system (PADS) is becoming obsolete. Research will be done to determine whether it's best to replace the signs that will work with the current predictive arrival and departure system (PADS) or replace signs for the next generation passenger information system.

Issues: None.

SCHEDULE:



Activity ID	Activity Name	Start	Finish	2020			2021		
				Q2	Q3	Q4	Q1	Q2	Q3
100449	Next Generation Visual Message Signs (VMS)	01-May-20 A	31-Jul-21						
	Design	01-May-20 A	30-Apr-21						
	Project Close Out	01-May-21	31-Jul-21						

Progress:

Jul - Sep 2020 (1) Updated requirements list for both a new passenger information system and a new visual message sign.

Future

Activities:

Oct - Dec 2020 (1) A vendor will showcase their passenger information system to us. Will decide if our team will sole source this or have this project be competitively bid.

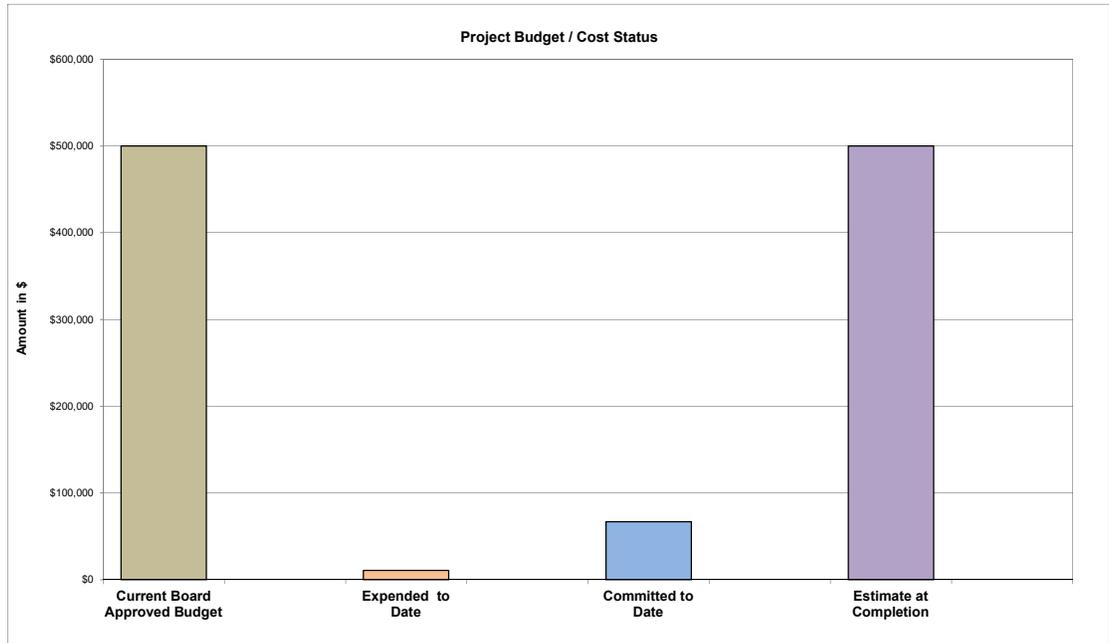
Issues: None.

Next Generation Visual Message Signs (VMS) & Pads

BUDGET:



	(a)	(b)	(c)	(d)	(e) = (a - d)
	Current Board Approved Budget	Expended to Date	Committed to Date	Estimate at Completion	Variance at Completion
Total Project	\$500,000	\$10,779	\$66,885	\$500,000	\$0



Issues: None.

SAFETY:



No incidents reported this quarter.

RAILROAD COMMUNICATION SYSTEM PROJECT - FY2017



SCOPE: The State of Good Repair (SOGR) project consists the following tasks for maintenance of the Caltrain's Communication (COM) Systems.

- Task 1: Improve radio coverage between Train Engineers and Maintenance of Way (MoW) Personnel.
- Task 2: Provide support to manage configuration of communication software.

Current scope is for design and bid and award phases only.

Issues: None.

SCHEDULE:



Activity ID	Activity Name	Start	Finish	Timeline																		
				2019				2020				2021										
				Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3							
100147 - FY17 Railroad Communication SOGR		01-Sep-18 A	12-Sep-21																			
Final Design		01-Sep-18 A	12-Oct-20																			
Bid & Award		13-Oct-20	12-Jun-21																			
Project Close Out		13-Jun-21	12-Sep-21																			

Progress:
Jul - Sep 2020 (1) Received design plans & specification.

Future Activities:
Oct - Dec 2020 (1) Complete design plans & specifications.
(2) Initiate bid and award.

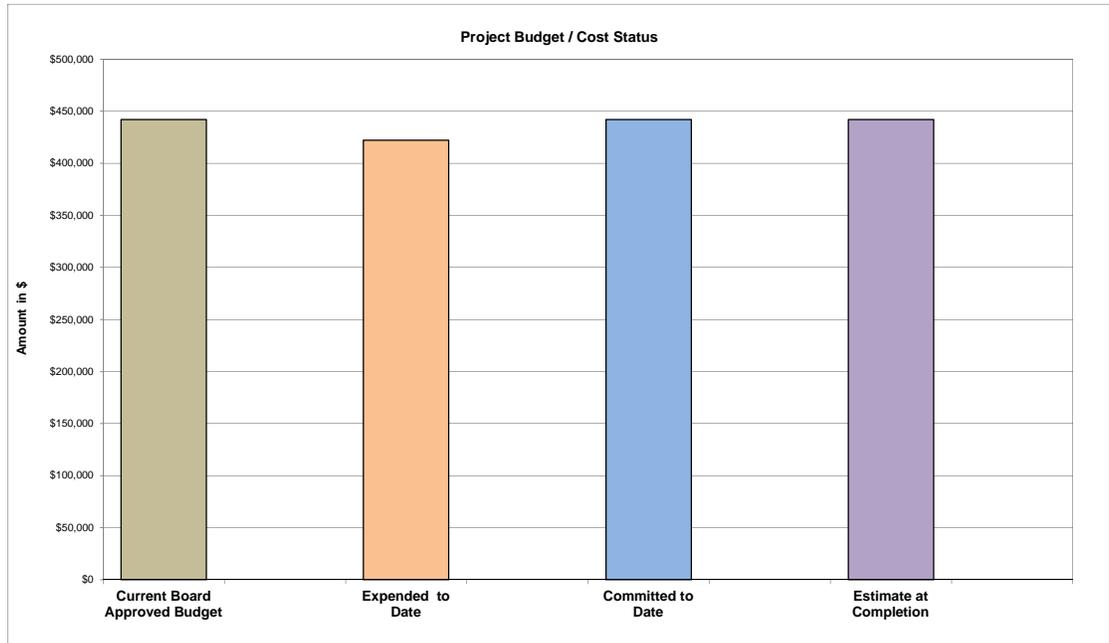
Issues: The project schedule has been delayed due to the continuing mitigation of the unforeseen incompatibility issues with the digital signal of radios being considered by Caltrain and the digital signals of radios being used or being considered by the tenants on the right of way.

RAILROAD COMMUNICATION SYSTEM PROJECT - FY2017

BUDGET:



	(a)	(b)	(c)	(d)	(e) = (a - d)
	Current Board Approved Budget	Expended to Date	Committed to Date	Estimate at Completion	Variance at Completion
Total Project	\$442,000	\$422,211	\$442,000	\$442,000	\$0



Issues: Current funding is limited to design and bid and award phases only. Construction work will be performed under a separate project due to funding.

SAFETY:



No incidents reported this quarter.

RAILROAD COMMUNICATION SYSTEM PROJECT - FY2018



SCOPE:



This project is the annual state of good repair (SOGR) program for Caltrain's communication system. It includes a combination of design and construction of various tasks to maintain Caltrain's communication systems in good repair.

Project will consist of the following tasks:

1. Construction of voice Radio Microwave between Sign Hill and San Bruno Mountain.
2. Purchase five new radios to replace non-supported Motorola radios.

Issues:

None.

SCHEDULE:



Activity ID	Activity Name	Start	Finish	2019			2020				2021			
				Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
100228 - FY19 RR Comm System SOGR		09-May-19 A	30-Sep-21											
± Procurement		09-May-19 A	30-Sep-19 A	█	█									
± Final Design		12-Jul-19 A	30-Apr-20 A		█	█	█							
± Bid & Award		01-May-20 A	31-Dec-20				█	█	█	█				
± Construction		01-Jan-21	30-Jun-21						█	█				
± Project Close Out		01-Jul-21	30-Sep-21										█	█

Progress:

Jul - Sep 2020

- (1) Continued Bid & Award.
- (2) Legal completed their review.
- (3) Advertised contract.
- (4) Conducted Pre-Bid Zoom Call & Site Visits.

Future

Activities:

Oct - Dec 2020

- (1) Continue with Bid & Award.
- (2) Receive Issued for Bids (IFB) bids.
- (3) Evaluate IFB bids.
- (4) Award contract.

Issues:

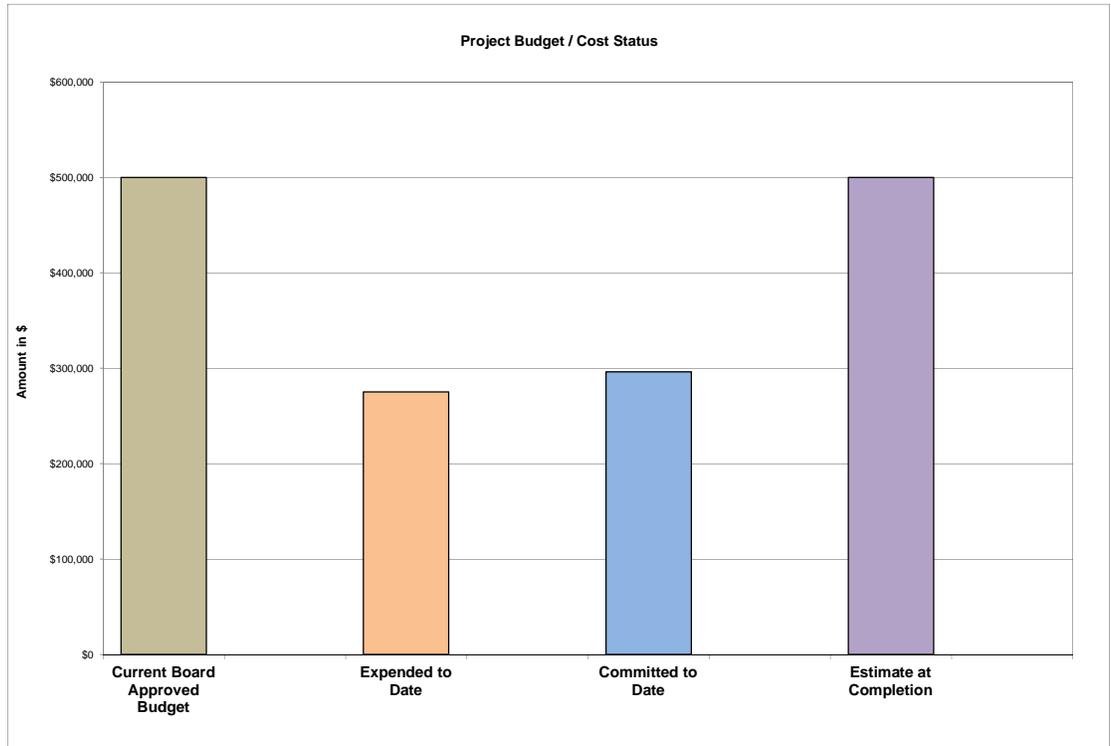
The current schedule delay was due to the late award of the design contract.

RAILROAD COMMUNICATION SYSTEM PROJECT - FY2018

BUDGET:



	(a)	(b)	(c)	(d)	(e) = (a - d)
	Current Board Approved Budget	Expended to Date	Committed to Date	Estimate at Completion	Variance at Completion
Total Project	\$500,000	\$275,103	\$296,206	\$500,000	\$0



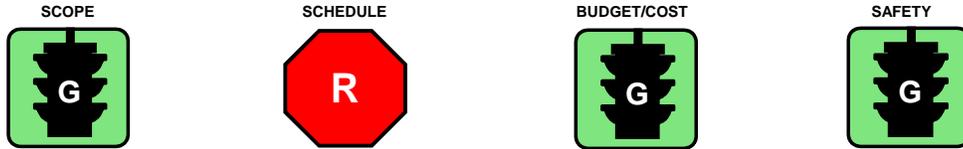
Issues: None.

SAFETY:



No incidents reported this quarter.

RAILROAD COMMUNICATION SYSTEM PROJECT - FY2019



SCOPE:



This Communication State of Good Repair (SOGR) project will ensure that the Caltrain network and radio systems are in a SOGR for efficient and safe operation. This will be accomplished by testing, inspection, and performing necessary minor and urgent repairs identified.

The project will conduct the following tasks:

- Network Security Intrusion Assessment (NSIA).
- Radio Frequency (RF) Load Test for Microwave, VHF, and ATCS systems.

Issues:

None.

SCHEDULE:



Activity ID	Activity Name	Start	Finish	2019			2020					
				Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	
100406 - FY19 RR Communication System (SOGR)		20-May-19 A	31-Mar-21									
Bid & Award		20-May-19 A	20-Nov-19 A	[Blue bar]								
Project Close Out		01-Jan-21	31-Mar-21									[Red bar]
Testing		21-Nov-19 A	31-Dec-20				[Blue bar]	[Blue bar]	[Blue bar]	[Blue bar]	[Red bar]	

Progress:

- Jul - Sep 2020
- (1) Continued Network Security Intrusion Assessment.
 - (2) Continued with RF load assessment.

Future Activities:

- Oct - Dec 2020
- (1) Complete Network Security Intrusion Assessment.
 - (2) Complete with RF load assessment.

Issues:

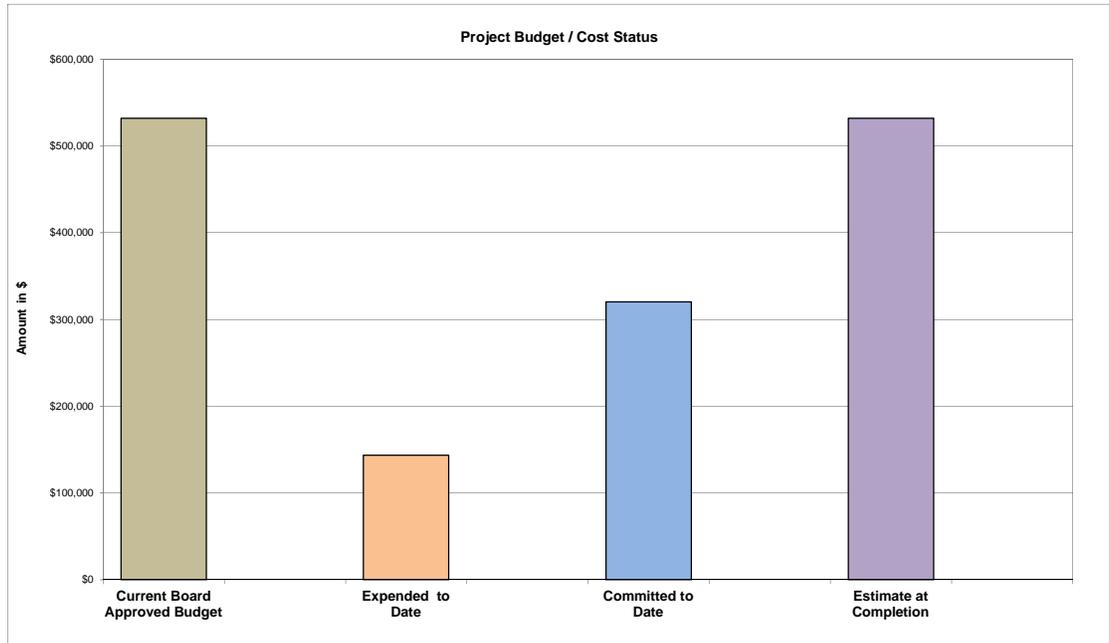
Schedule delay is due to COVID-19 shelter in place order causing the contractor to restrict travel of its personnel.

RAILROAD COMMUNICATION SYSTEM PROJECT - FY2019

BUDGET:



	(a)	(b)	(c)	(d)	(e) = (a - d)
	Current Board Approved Budget	Expended to Date	Committed to Date	Estimate at Completion	Variance at Completion
Total Project	\$532,000	\$143,456	\$320,283	\$532,000	\$0



Issues: None.

SAFETY:



No incidents reported this quarter.

RENGSTORFF AVENUE GRADE SEPARATION



SCOPE:



The project proposes to replace the existing at-grade train crossing at Renstorff Avenue with a grade separated crossing in the City of Mountain View. In 2014, the City of Mountain View completed a Renstorff Avenue Grade Separation Design Concepts – Final Report. Of the three design concepts that were presented in the Final Report, the City was in favor of the Complete Street Concept which includes a Renstorff Avenue Underpass and the construction of a new elevated pedestrian walkway parallel to the Caltrain tracks connecting Crisanto Avenue to the commercial area east of Rengstorff Avenue. The grade separation will require the lowering Rengstorff Avenue and its connecting roadways, including Central Expressway.

The current scope of work includes the evaluation of the design concepts that are presented by the City of Mountain View and preparation of preliminary design at 35% for a design validation and constructability review, and preparation of environmental studies for CEQA and NEPA clearance. The goal of the current preliminary design phase is to reach consensus with the project stakeholders in the project definition and approach to advance the project to final design.

Issues: None.

SCHEDULE:



Activity ID	Activity Name	Start	Finish	2019		2020						
				Q3	Q4	Q1	Q2	Q3	Q4	Q1		
100482 - Rengstorff Avenue Grade Cros		05-Aug-19 A	28-Feb-21									
Preliminary Engineering		05-Aug-19 A	31-Oct-20									
Environmental Clearance		27-Mar-20 A	28-Feb-21									

Progress:

Jul - Sep 2020

- (1) Held comment resolution meeting with the City on proposed pedestrian and bicycle facilities.
- (2) Conducted Community Outreach Planning session and began preparation of the public outreach materials with the City of Mountain View.
- (3) Completed temporary and permanent construction impact assessment.
- (4) Completed draft construction staging and detour plans.
- (5) Finalized rail alignment and structure types to proceed with 35% design.
- (6) Finalized preliminary design concept and preliminary stage construction concepts to advance to 35% design.
- (7) Prepared additional scope of work for geotechnical analysis to address high water table.
- (8) Addressed additional design review comments provided by the City.
- (9) Continued data collection for proceeding with environmental clearance.

Future

Activities:

Oct - Dec 2020

- (1) Prepare community meeting notices and presentation materials with the City.
- (2) Completed data collection for environmental clearance.
- (3) Perform additional supplemental traffic analysis and geotechnical analysis.

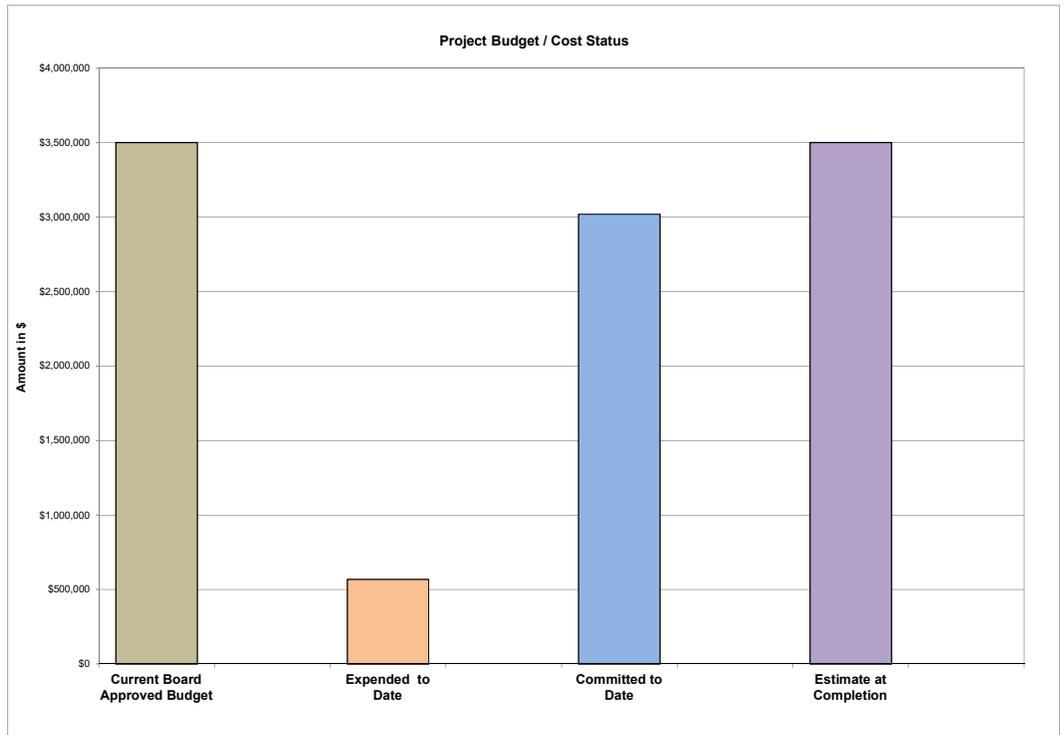
Issues: Delay in conducting traffic analysis may impact the design schedule.

RENGSTORFF AVENUE GRADE SEPARATION

BUDGET:



	(a)	(b)	(c)	(d)	(e) = (a - d)
	Current Board Approved Budget	Expended to Date	Committed to Date	Estimate at Completion	Variance at Completion
Total Project	\$3,500,000	\$567,831	\$3,019,059	\$3,500,000	\$0



Note: The current phase of the project is fully funded by the City of Mountain View.

SAFETY: No incidents reported this quarter.



RIGHT OF WAY FENCING PROJECT



SCOPE: This project is a part of the ongoing program to keep Caltrain's fencing in a State of Good Repair (SOGR). The goal of this project is to reduce trespassing on the Caltrain right of way by installing fence on at least one side of the property between San Francisco MP 0.2 to Lick MP 52.



Caltrain will install vandal resistant fencing at key locations along the main line rail corridor to deter trespassing. This work will include a base contract and three optional contracts which may be exercised with the General Manager's approval. These contracts includes site clearing, fence demolition, fence installation and vegetation removal.

Currently the construction contract has authority to perform work through option 2.

Issues: None.

SCHEDULE:



Activity ID	Activity Name	Start	Finish	2016		2017				2018				2019				2020			
				Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
100053	Right of Way Fencing Project	02-Jun-16 A	28-Feb-21																		
	Construction (Base)	02-Jun-16 A	31-Mar-18 A																		
	Construction (Option 1)	16-Apr-18 A	31-Aug-19 A																		
	Construction (Option 2)	01-Dec-19 A	30-Nov-20																		
	Close Out	01-Dec-20	28-Feb-21																		

Progress:
Jul - Sep 2020 (1) Continued option 2 work.

Future Activities:
Oct - Dec 2020 (1) Continue option 2 work.

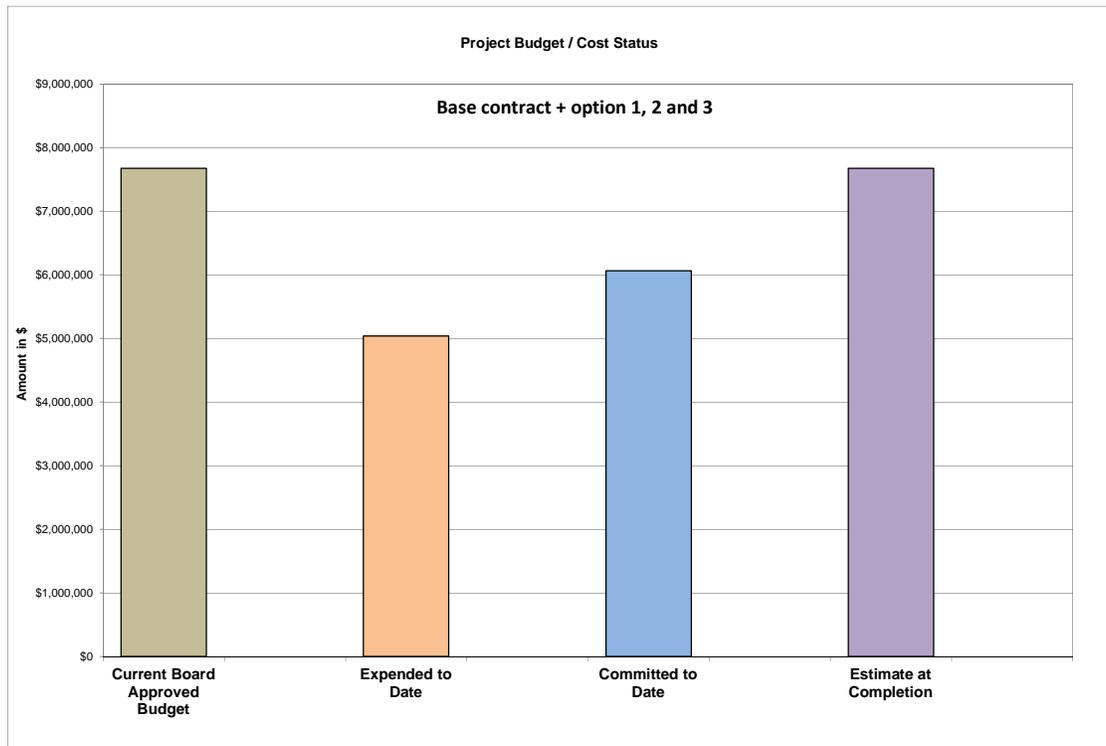
Issues: (1) Schedule dates are for the base contract, option 1 and 2 only. Schedule delay is due to Covid-19 impact on manpower availability to the contractor.

RIGHT OF WAY FENCING PROJECT

BUDGET:



	(a)	(b)	(c)	(d)	(e) = (a - d)
	Current Board Approved Budget	Expended to Date	Committed to Date	Estimate at Completion	Variance at Completion
Total Project	\$7,672,958	\$5,037,440	\$6,062,776	\$7,672,958	\$0



Note: Current Board approved budget, expended, committed and estimate at completion reflect the base contract and option 1, 2 and 3.

Issues: A portion of the funds is due to expire in March 2021.

SAFETY:



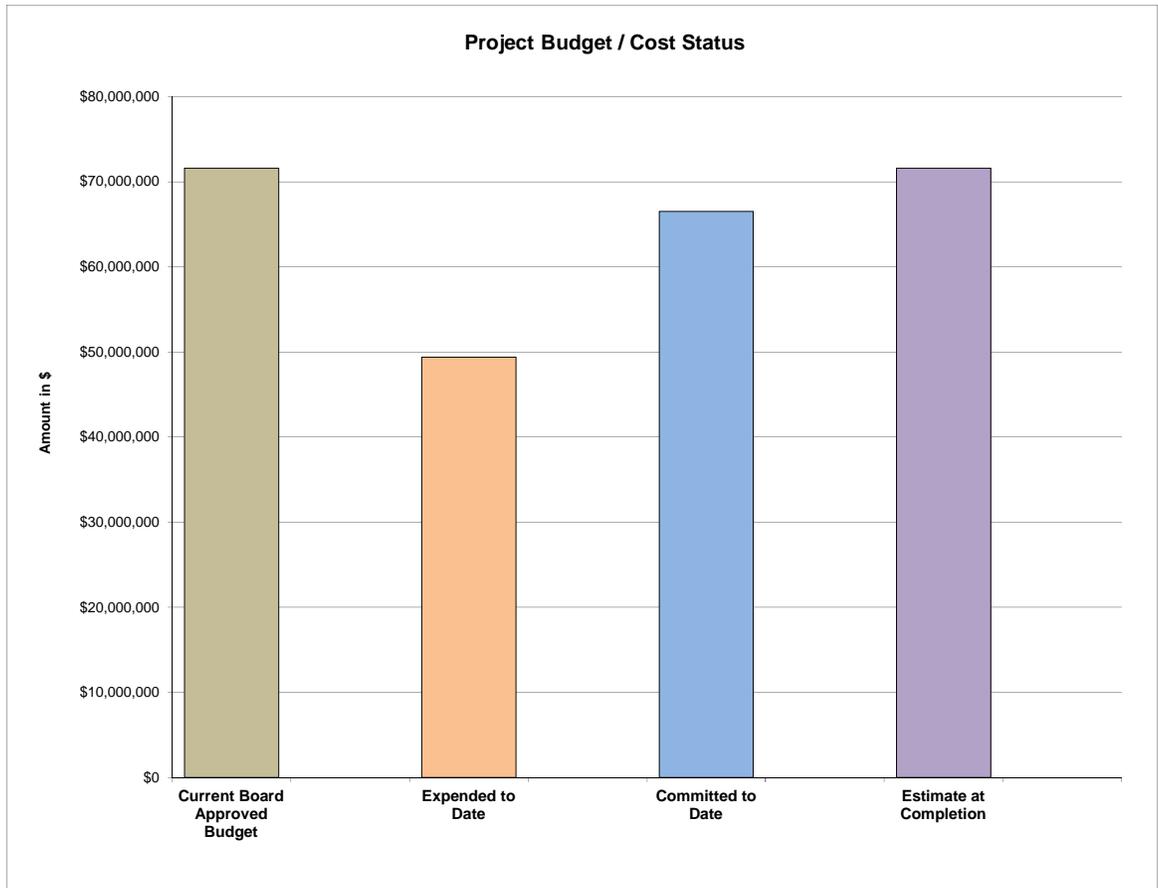
No incidents reported this quarter.

SOUTH SAN FRANCISCO STATION IMPROVEMENT PROJECT

BUDGET:



	(a)	(b)	(c)	(d)	(e) = (a - d)
	Current Board Approved Budget	Expended to Date	Committed to Date	Estimate at Completion	Variance at Completion
Project Total	\$71,600,000	\$49,403,918	\$66,497,144	\$71,600,000	\$0



Note: Estimate at Completion (EAC) is under review.

Issues: None.

SAFETY:



In July 2020, A minor injury occurred - worker hurt his finger placing rebar. No incidents reported in August and September 2020.

STATION ENHANCEMENT AND RENOVATION



SCOPE: This project will include the following work:



San Francisco Station Restroom Renovation: The San Francisco (4th & King) Station restrooms have been subject to many years of abuse and vandalism. The project would include a full restoration of the restrooms with modern vandal resistant fixtures and finishes.

Issues: None.

SCHEDULE:



Activity ID	Activity Name	Start	Finish	Timeline											
				2018			2019				2020				
				Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
100149 - Station Enhancement and Renovation		01-Mar-18 A	31-Mar-21												
Final Design		01-Mar-18 A	30-Apr-19 A												
Bid & Award		01-May-19 A	15-Jun-20 A												
Construction		16-Jun-20 A	31-Dec-20												
Project Close Out		01-Jan-21	31-Mar-21												

Progress:

Jul - Sep 2020

- (1) Began construction work.
- (2) Completed demolition and framing the new walls.
- (3) Reviewed submittals and responded to RFIs.

Future

Activities:

Oct - Dec 2020

- (1) Complete construction.
- (2) Complete to review submittals and respond to RFIs.

Issues:

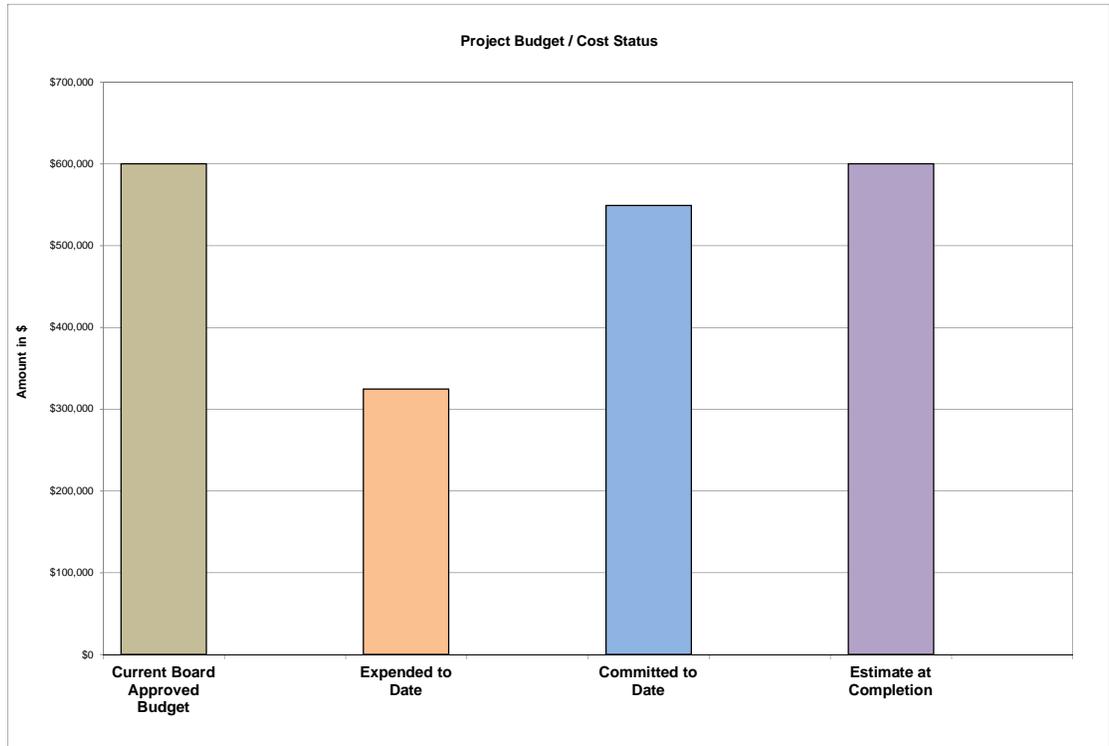
Schedule has been re-baselined this quarter based on the approved construction schedule.

STATION ENHANCEMENT AND RENOVATION

BUDGET:



	(a)	(b)	(c)	(d)	(e) = (a - d)
	Current Board Approved Budget	Expended to Date	Committed to Date	Estimate at Completion	Variance at Completion
Total Project	\$600,000	\$324,458	\$549,059	\$600,000	\$0



Issues: None.

SAFETY:



No incidents reported this quarter.

SYSTEMWIDE SIGNAL SYSTEM REHABILITATION PROJECT - FY2019



SCOPE:



This project is a part of an annual program to maintain the Caltrain railroad signal system in a State of Good Repair (SOGR). The project will procure new equipment and replace old signal equipment that is starting to fail and is beyond its useful life, to maintain Caltrain's railroad signal systems in good repair.

FY2019 Signal Rehab Project will replace an existing assortment of solid state controller units that are beyond their useful life with updated controller units. Specifically, the project will:

- Develop a priority list and conduct a survey to collect age of existing controllers to be replaced with Siemens solid state SSCC IIIA controller units.
- Based upon age and importance of unit to Operations, develop a priority list for replacements.
- Procure and replace the oldest 10 SSCC IIIA units controller units.

Issues: None.

SCHEDULE:



Activity ID	Activity Name	Start	Finish	2019			2020					
				Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	
100405 - FY19 Systemwide Signal System Rehab		20-May-19 A	31-Mar-21									
Bid & Award		20-May-19 A	08-Jul-19 A	█								
Construction		09-Jul-19 A	31-Dec-20		█	█	█	█	█	█	█	█
Project Close Out		01-Jan-21	31-Mar-21							█	█	█

Progress:

Jul - Sep 2020 (1) Awaiting availability of TASI personnel to replace controllers.

Future

Activities:

Oct - Dec 2020 (1) Re-initiate replacement of controllers.
 (2) Complete replacement of controllers.

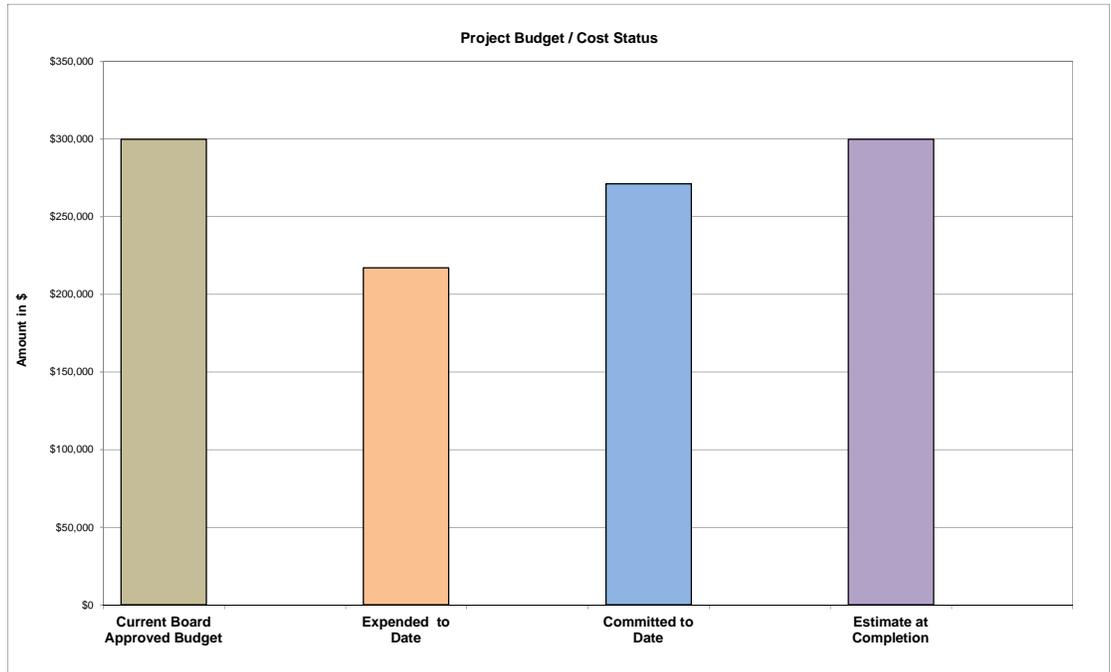
Issues: Schedule delay is due to TASI resource availability issues.

SYSTEMWIDE SIGNAL SYSTEM REHABILITATION PROJECT - FY2019

BUDGET:



	(a)	(b)	(c)	(d)	(e) = (a - d)
	Current Board Approved Budget	Expended to Date	Committed to Date	Estimate at Completion	Variance at Completion
Total Project	\$300,000	\$217,199	\$271,346	\$300,000	\$0



Issues: None.

SAFETY:



No incidents reported this quarter.

SYSTEMWIDE TRACK REHABILITATION PROJECT - FY2019



SCOPE:



The System Wide Track Rehabilitation Program covers the work required to keep the Caltrain railroad in a state of good repair. The type and scope of work scheduled for each fiscal year is based upon the condition of the railroad as reflected in Caltrain's State of Good Repair database. This database is updated regularly with input from track inspections and tests that are performed throughout the year. Each fiscal year, a new project is set up to cover the track work performed that year. The scope proposed for FY2019 system wide track rehabilitation includes the following:

1. Replace stock rail points and frogs on turnouts per identified needs in the SOGR database and on as-needed basis due to unexpected failures of such components.
2. Perform welds to perform the removal of bonded insulated joints, replaced stock rails, points and frogs.
3. Replacement of standard ties on mainline tracks.
4. Replacement of switch ties on main tracks and yard tracks.
5. Surfacing of curve and tangent track, turn outs, at various locations determined by geometry car inspections and field track inspections.
6. Upgrade and maintain rail lubricators.
7. Purchase of small tools and equipment required for track maintenance activities.
8. Work in South San Francisco yard - install ties, replace rail, install ballast and surface, maintain a SOGR and in accordance with JPB, CPUC and FRA standards for class of track - billable to UPRR.
9. Repair track and station platforms at College Park Station.
10. Minor repairs to bridges, culverts and structures – per annual inspection needs.
11. Lease facilities, purchase and equipment rental.
12. Purchased services – rail detector, geometry inspections, weed abatement etc.
13. Fence repairs and graffiti removal.

Issues: None.

SCHEDULE:



Activity ID	Activity Name	Start	Finish	Timeline							
				2019		2020				20	
				Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
100230	FY19 Systemwide Track Rehabilitation Project	01-Jul-19 A	31-Mar-21								
	ROW Maintenance	01-Jul-19 A	31-Dec-20								
	Close Out	02-Jan-21	31-Mar-21								

Progress:

Jul - Sep 2020

- | | |
|---|---|
| <ul style="list-style-type: none"> (1) Surfaced 2.44 miles of main line track. (2) Stabilized 2.44 miles of track. (3) Performed 11 thermite welds. (4) 57 pandrols installed. (5) Built up 15 frog inserts. (6) Ground 71 switches. (7) Placed 100 Tons of Ballast . (8) Changed out two feet of rail (due to wear). | <ul style="list-style-type: none"> (9) Installed 248 cross ties. (10) Installed 40 switch ties. (11) Installed 11 UP cross ties. (12) Installed five UP switch ties. (13) Performed UT weld testing. (14) Performed tree trimming. (15) Performed fencing. |
|---|---|

Future Activities:

Oct - Dec 2020

- (1) Continue ongoing maintenance work.

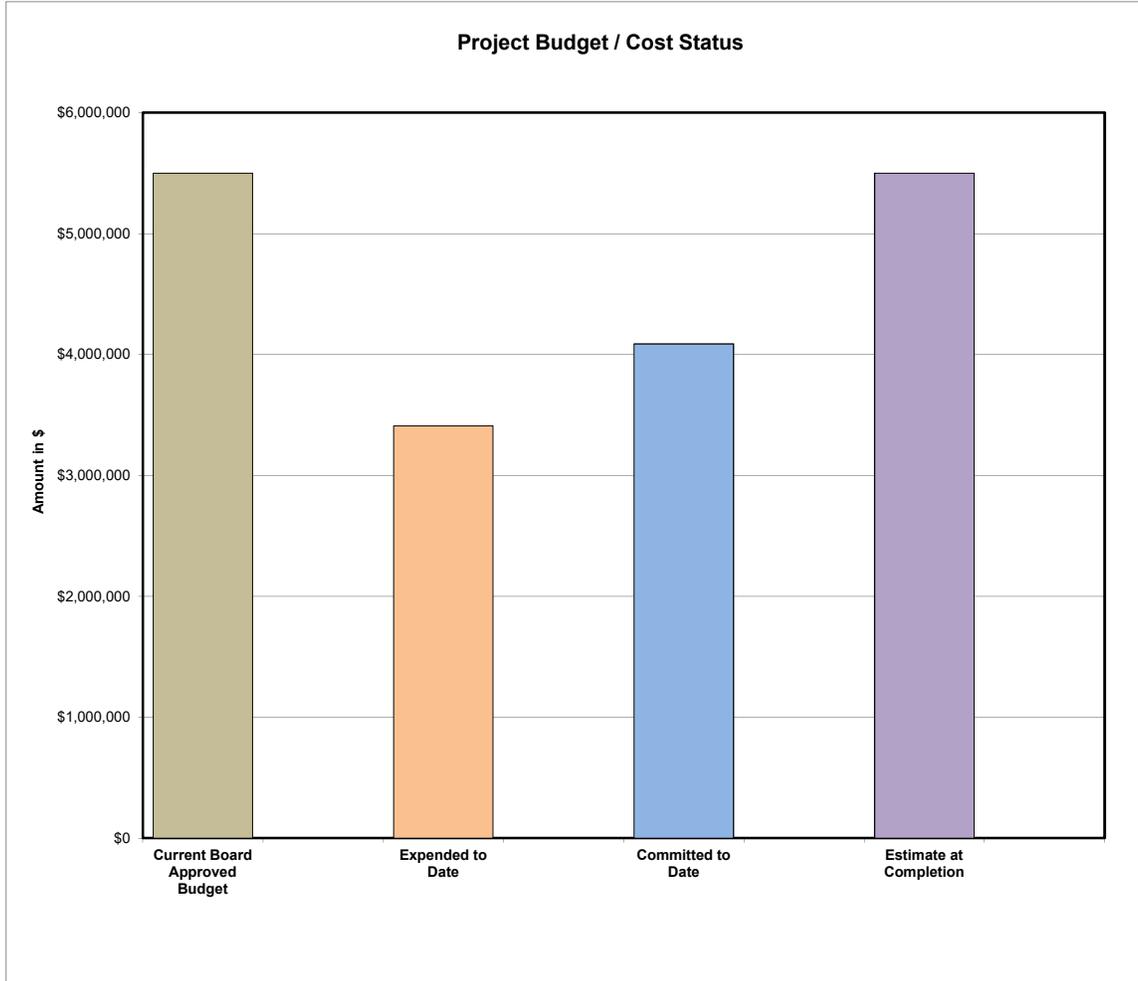
Issues: None.

SYSTEMWIDE TRACK REHABILITATION PROJECT - FY2019

BUDGET:



	(a)	(b)	(c)	(d)	(e) = (a - d)
	Current Board Approved Budget	Expended to Date	Committed to Date	Estimate at Completion	Variance at Completion
Project Total	\$5,500,000	\$3,408,791	\$4,087,163	\$5,500,000	\$0



Issues: None.

SAFETY:



No incidents reported this quarter.

TICKET VENDING MACHINE REHAB PROGRAM PROJECT



SCOPE:



The project will develop the central back office software necessary to upgrade the TVMs to have Clipper functionality and upgrade components which are obsolete. Additional scope to replace the credit card readers in all existing TVMs has been added to a separate construction contract and is being funded by the IT Department.

The current scope of this project is through the Phase 3 Option only:

Phase 1 - Two prototype TVM's will be refurbished with Clipper functionality and upgraded components. The prototypes will be installed at Central for testing and development work.

Phase 2 - Based on the final upgraded prototype, 12 existing TVM's will be upgraded at the stations.

Phase 3 - will upgrade an additional 22 TVMs and will provide an option to upgrade up to another 55 TVMs when funding becomes available.

Issues:

None.

SCHEDULE:



Activity ID	Activity Name	Start	Finish	2018				2019				2020				2021			
				Q1	Q2	Q3	Q4												
100240	Ticket Vending Machine Rehab Program	01-Jan-18 A	30-Sep-21																
	Final Design	01-Jan-18 A	01-Nov-18 A																
	Bid & Award	01-Mar-18 A	30-Apr-19 A																
	Construction	01-May-19 A	30-Jun-21																
	Project Close Out	01-Jul-21	30-Sep-21																

Progress:

- Jul - Sep 2020
- (1) Finished the software development for the TVM software.
 - (2) Conducted the MTC Test Procedure and successfully passed the test.
 - (3) Completed the new VCC software and created the new Oracle database.
 - (4) Upgraded the Crystal Reports to version 2016.(5) Installed and tested the contactless payment reader.
 - (5) Conducted the Final Acceptance Test for the prototype TVM. The prototype TVM passed the test.
 - (6) Prepared for the cutover to the new VCC as production.

Future

Activities:

- Oct - Dec 2020
- (1) Resolve the issues with the new VCC and Crystal Reports.
 - (2) Conduct the cutover to the new VCC as production.

Issues:

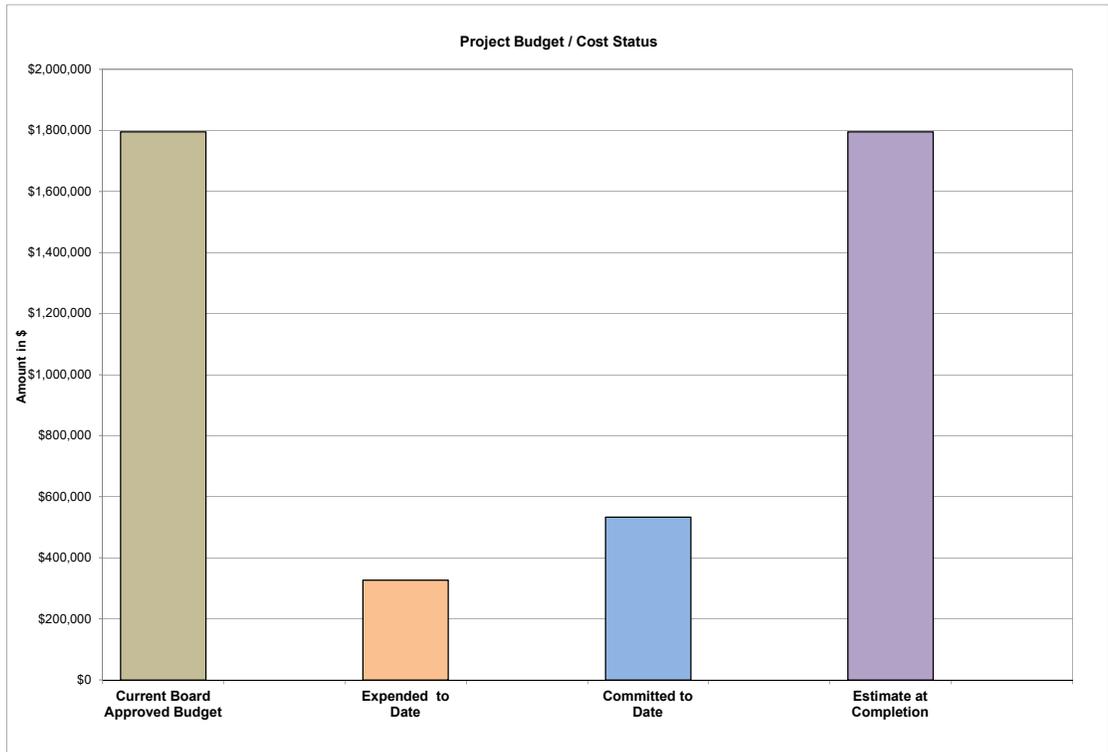
None.

TICKET VENDING MACHINE REHAB PROGRAM PROJECT

BUDGET:



	(a)	(b)	(c)	(d)	(e) = (a - d)
	Current Board Approved Budget	Expended to Date	Committed to Date	Estimate at Completion	Variance at Completion
Total Project	\$1,795,000	\$327,280	\$532,878	\$1,795,000	\$0



Issues: None.

SAFETY:



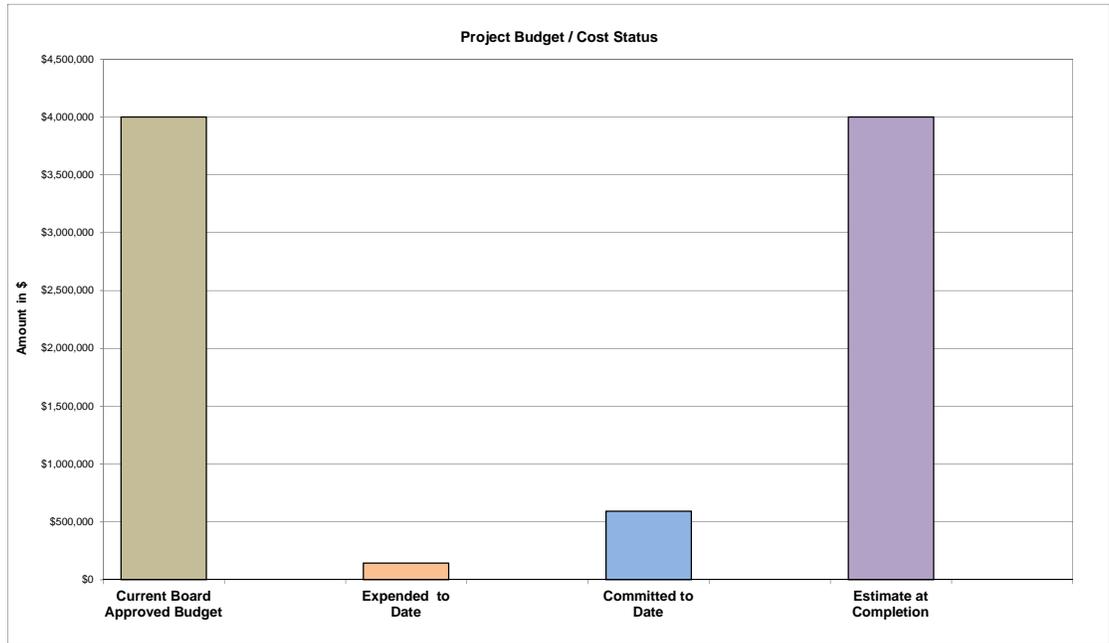
No incidents reported this quarter.

WAYSIDE BIKE PARKING IMPROVEMENT PROJECT

BUDGET:



	(a)	(b)	(c)	(d)	(e) = (a - d)
	Current Board Approved Budget	Expended to Date	Committed to Date	Estimate at Completion	Variance at Completion
Total Project	\$4,000,000	\$142,932	\$593,224	\$4,000,000	\$0



Issues: None.

SAFETY:



No incidents reported this quarter.

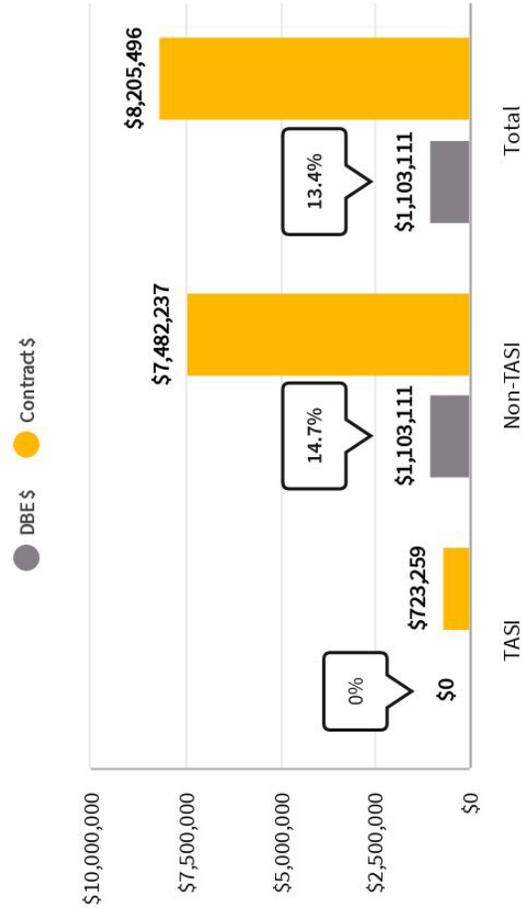
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Caltrain : Disadvantaged Business Enterprise (DBE)

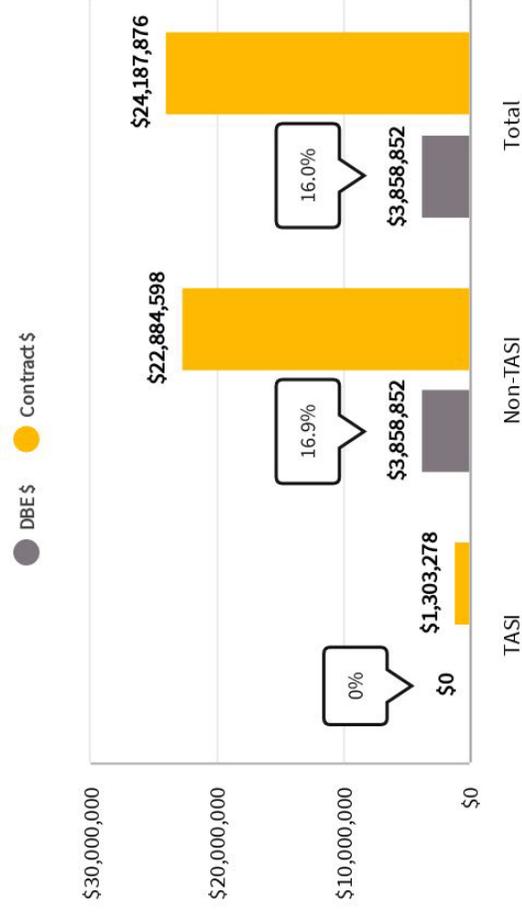
Quarterly Status Report:

- The Caltrain overall DBE goal is 13.5%.
- TASI had zero percent (0%) DBE utilization for the year.
- Q4 DBE participation fell below the goal, however, Caltrain achieved 16.0% DBE participation for the year.

FFY20 Q4: July 01, 2020 to September 30, 2020



2020 Federal Fiscal Year to Date:



Definition of Terms

Committed to Date – The encumbered amount of work directives, contracts, and purchase orders plus any non PO related expenditures.

Current Board Approved Budget – The original budget plus approved budget changes.

Estimate at Completion (EAC) – The estimated final cost of the project.

Expended to Date – The project costs that have been recorded in the financial system plus the accrual cost of work performed through the current period.

Variance at Completion – The difference between the Current Board Approved Budget and the EAC. A positive value reflects a potential underrun whereas a negative amount indicates a possible overrun.

Performance Status (Traffic Light) Criteria

SECTIONS	On Target (GREEN)	Moderate Risk (YELLOW)	High Risk (RED)
1. SCOPE	(a) Scope is consistent with Budget or Funding. (b) Scope is consistent with other projects. (c) Scope change has been mitigated.	(a) Scope is NOT consistent with Budget or Funding. (b) Scope appears to be in conflict with another project. (c) Scope changes have been proposed.	(a) Significant scope changes / significant deviations from the original plan.
2. BUDGET	(a) Estimate at Completion is within plus /minus 5% of the Current Board Approved Budget.	(a) Estimate at Completion exceeds the Current Board Approved Budget by 5% to 10%.	(a) Estimate at Completion exceeds the Current Board Approved Budget by more than 10%.
3. SCHEDULE	(a) Project milestones / critical path are within plus/minus two months of the current baseline schedule. (b) Physical progress during the report period is consistent with incurred expenditures. (c) Schedule has been defined.	(a) Project milestones / critical path show slippage. Project is more than two to six months behind the current baseline schedule. (b) No physical progress during the report period, but expenditures have been incurred. (c) Detailed baseline schedule NOT finalized.	(a) Project milestones / critical path show slippage more than two consecutive months. (b) Forecast project completion is later than the current baseline scheduled completion by more than six months. (c) Schedule NOT defined for two consecutive months.
4. SAFETY	(a) No reported safety related incidents on the project.	(a) One Near Miss or incident requiring written report based on contract requirements.	(a) Injury (worker or passenger) requiring reporting to the Federal Railroad Administration. (b) Two or more Miss or incident requiring written report based on contract requirements.

Schedule Legend



Completed



Critical path



Baseline/target schedule