



## **Quarterly Capital Program Status Report and DBE Status Report**

**Prepared for the September 03, 2020 Caltrain Board**

**Meeting 4th Quarter FY2020: April 01, 2020 – June 30, 2020**

# **Peninsula Corridor Joint Powers Board**





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## Caltrain - Capital Program - Budget Summary

4th Quarter FY2020 - April 01, 2020 to June 30, 2020

All Costs in \$1,000's

Programs						
	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020
1. Station and Intermodal Access	\$3,483	\$39,756	\$1,450	\$745	\$6,600	\$4,870
2. Right of Way / Signal & Communications	\$22,275	\$40,350	\$180,232	\$22,438	\$20,072	\$20,877
3. Rolling Stock	\$3,900	\$4,000	\$6,997	\$12,826	\$17,034	\$5,063
4. Operational Improvements/Enhancements	\$2,271	\$2,844	\$4,723	\$31,054	\$2,050	\$3,800
5. Planning and Studies	\$1,740	\$4,220	\$2,756	\$3,040	\$6,425	\$12,290
7. Legal Mandates & Required Enhancements	\$1,595	\$3,337	\$14,721	\$1,220	\$1,327	\$500
<b>Total Board Approved Budget by FY</b>	<b>\$35,264</b>	<b>\$94,507</b>	<b>\$210,879</b>	<b>\$71,323</b>	<b>\$53,508</b>	<b>\$47,400</b>

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  
 F-40 Locomotive Mid-Life Overhaul Project  
 Guadalupe River Bridge Replacement and Extension Project  
 Marin and Napoleon Bridge Closure Project  
 Mary Avenue Traffic Signal Project  
 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

Inward Facing Cameras on trains  
 Los Gatos Bridge Replacement Project  
 Rail Grinding Project  
 San Francisco 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		
	Q3FY20	Q4FY20	Q3FY20	Q4FY20	Q3FY20	Q4FY20	Q3FY20	Q4FY20	
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
Churchill Avenue Grade Crossing									14
Energy Efficient Lighting at Caltrain Stations									16
F-40 Locomotive Mid-Life Overhaul Project									18
Grade Crossing Improvement FY 2019 & 2020									20
Guadalupe River Bridges Replacement and Extension Project (Preliminary Design/Environmental Clearance)									22
Marin Street and Napoleon Avenue Bridge Closure Project									24
Mary Avenue Traffic Signal Project									26
MP-36 Locomotive Mid-Life Overhaul Project									28
Railroad Communications System Project - FY2017									30
Railroad Communications System Project - FY2018									32
Railroad Communications System Project - FY2019									34
Rengstorff Avenue Grade Separation									36
Right Of Way Fencing Project									38
South San Francisco Station Improvement Project									40
Station Enhancement and Renovation Project									42
Systemwide Signal System Rehabilitation Project - FY2019									44
Systemwide Track Rehabilitation Project - FY2019									46
Ticket Vending Machine Rehab Program Project									48
Wayside Bike Parking Improvement Project									50



= 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	Timeline (2014-2021)																							
				2014	2015	2016	2017	2018	2019	2020	2021	Q1	Q2	Q3	Q4												
002088 - 25th Avenue Grade Separation		16-Jul-14 A	30-Sep-21	[Gantt chart showing project duration from mid-2014 to late 2021]																							
+	Preliminary Engineering	16-Jul-14 A	31-Oct-15 A	[Gantt bar from mid-2014 to late 2015]																							
+	Environmental Clearance	25-Sep-14 A	28-Oct-16 A	[Gantt bar from late 2014 to late 2016]																							
+	Final Design	02-Nov-15 A	09-Dec-16 A	[Gantt bar from late 2015 to late 2016]																							
+	Bid & Award	15-Nov-16 A	09-Aug-17 A	[Gantt bar from late 2016 to late 2017]																							
+	Construction	10-Aug-17 A	30-Jun-21	[Gantt bar from late 2017 to mid-2021]																							
+	Project Close Out	01-Jul-21	30-Sep-21	[Gantt bar from mid-2021 to late 2021]																							

**Progress:**

- Apr - Jun 2020
- (1) Continued construction of ramps and stairs.
  - (2) Continued single tracking.
  - (3) Continued MT1.
  - (4) Continued working on OCS at north and south tie in
  - (5) Completed splicing copper at 31st for ATT.
  - (6) Continued retaining wall 28th Avenue west side.
  - (7) Completed retaining walls at 31st avenue - west side.
  - (8) Completed south side of station platform.
  - (9) Completed MT2, all trains on grade separation.
  - (10) Completed all ATT relocations at 31st and 28th.
  - (11) Closed old Hillsdale Station, all trains temporarily stopping at Belmont.
  - (12) Began clear and grub for new parking lot.
  - (13) Began lowering of 28th east side.

**Future**

**Activities:**

- Jul - Sep 2020
- (1) Complete MT1 -- Double track on new grade separation all trains.
  - (2) Complete OCS milestone.
  - (3) Continue excavation at 28th.
  - (4) Remove track, and ballast at old MT1 and MT2.

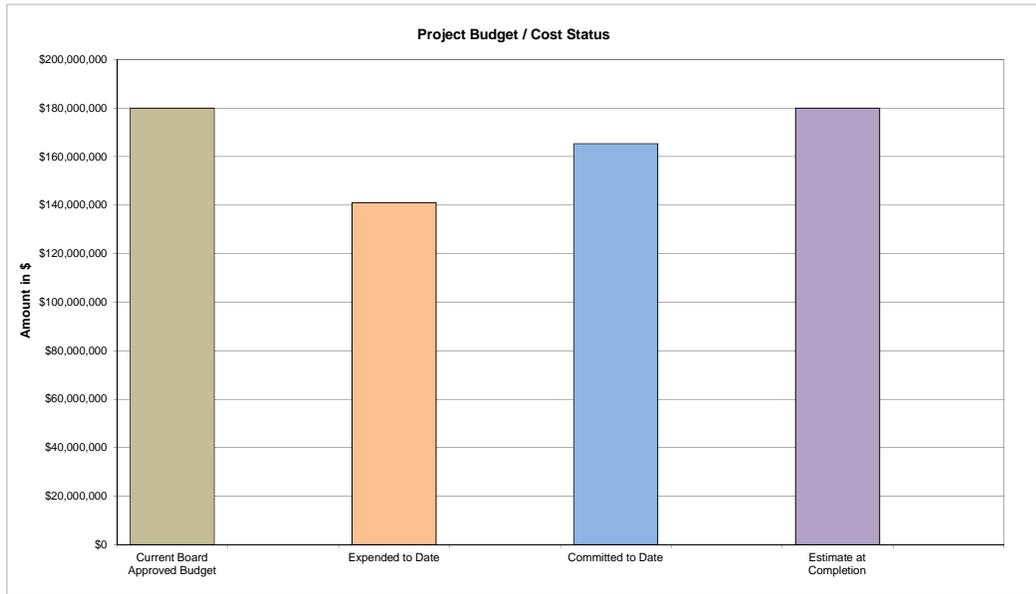
**Issues:** None.

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	\$140,994,239	\$165,346,318	\$180,000,000	\$0



**Issues:** None.

**SAFETY:** None.



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	31-Oct-21										
	Bid & Award	01-Dec-19 A	31-Dec-20										
	Construction	31-Dec-19 A	30-Jun-21										
	Project Close Out	01-Jul-21	31-Oct-21										

**Progress:**

- Apr - Jun 2020
- (1) Finished working with Contracts & Procurement on the Request For Proposal (RFP).
  - (2) Finished reviewing Centum Adetel's proposal for conformity with Caltrain's requirements. Working on the agreement.

**Future**

**Activities:**

- Jul - Sep 2020
- (1) Award Centum Adetel the contract. Finalize our decision on the cabling and Wifi Access points for the APC system.

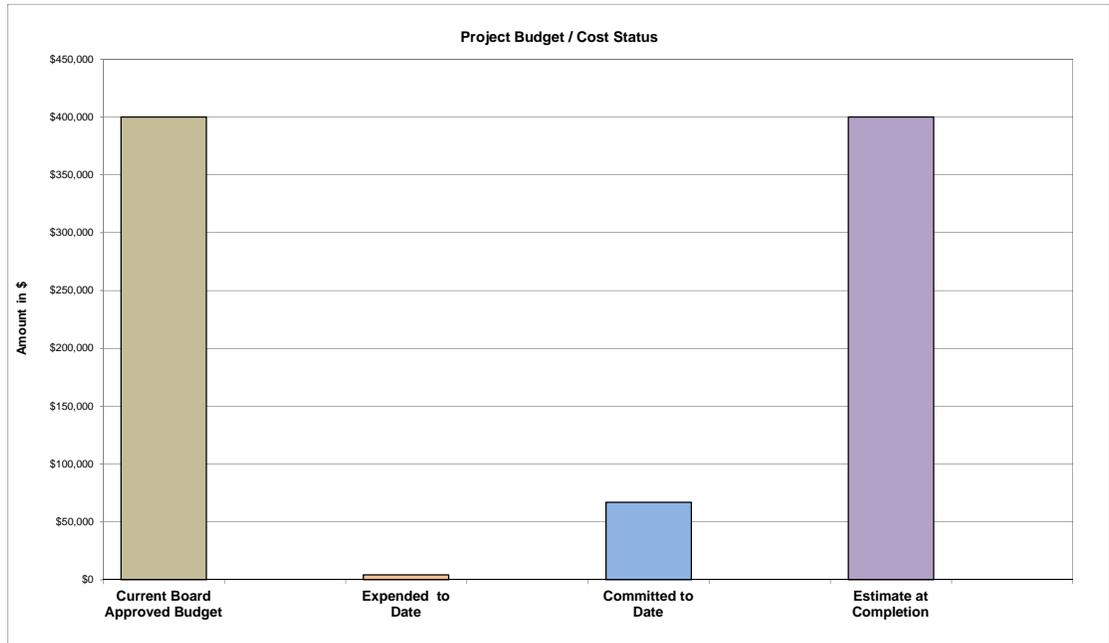
**Issues:** None.

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
<b>Total Project</b>	<b>\$400,000</b>	<b>\$4,297</b>	<b>\$66,885</b>	<b>\$400,000</b>	<b>\$0</b>



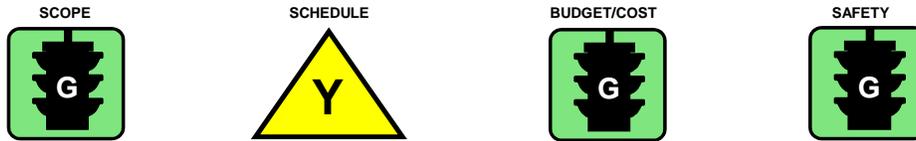
**Issues:** None.

**SAFETY:**



No incidents reported this quarter.

**BAYSHORE STATION OVERPASS PEDESTRIAN BRIDGE REHAB PROJECT**



**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
100439 - Bayshore Overpass Rehabilitation		01-Feb-20 A	01-Dec-21								
+	Constructability	01-Feb-20 A	31-Jul-20								
+	Bid & Award	01-Aug-20	28-Feb-21								
+	Construction	01-Mar-21	31-Aug-21								
+	Project Close Out	01-Sep-21	01-Dec-21								

**Progress:**

Apr - Jun 2020

- (1) Constructability review team on board.
- (2) Working with design consultant to edit the scope of work, cost estimate and construction schedule.
- (3) Working with outreach team to set up parameters for public outreach work.
- (4) Working with Ops team for revising specs related to work hours, track access, on track safety envelope requirements as per new guidelines.

**Future**

**Activities:**

Jul - Sep 2020

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

**Issues:**

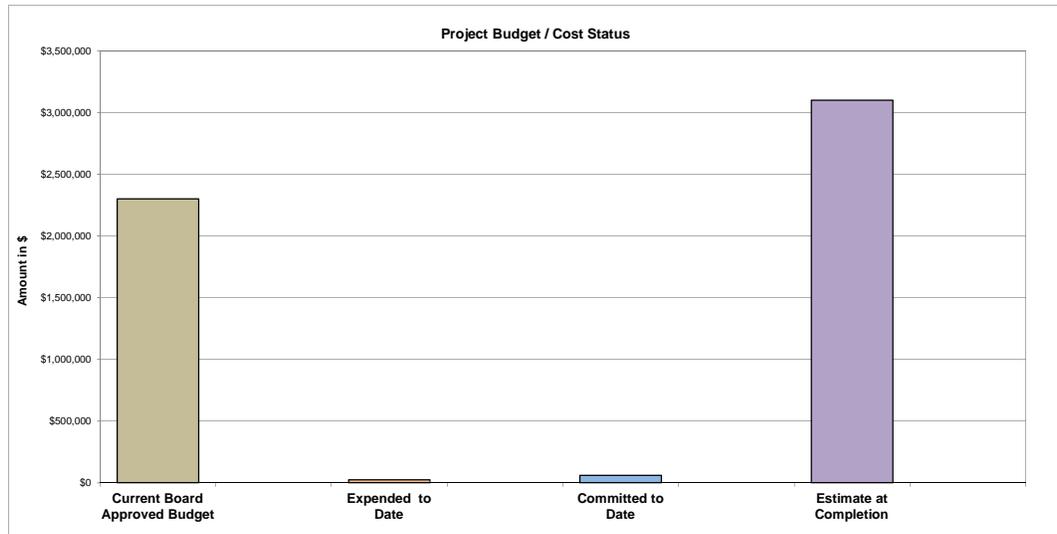
Project schedule delayed this quarter due to extension for constructability review.

**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
<b>Total Project</b>	<b>\$2,300,000</b>	<b>\$25,444</b>	<b>\$60,789</b>	<b>\$3,100,000</b>	<b>(\$800,000)</b>



**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	Q4	
100403	<b>Broadband Communication</b>	11-Nov-19 A	30-Jun-21										
	<b>Planning / Conceptual Design</b>	11-Nov-19 A	31-Oct-20										
	<b>Final Design and RFP Development</b>	01-Nov-20	31-Mar-21										
	<b>Project Close Out</b>	01-Apr-21	30-Jun-21										

**Progress:**

- Apr - Jun 2020
- (1) Engineering analyzed the alternatives and evaluated each goal and parameter.
  - (2) Completed the alternative matrix for the project and selected the preferred alternative which is a full trackside network.
  - (3) Reengaged with the designer to notify them to resume the design.

**Future**

**Activities:**

- Jul - Sep 2020
- (1) Resume the design by starting the RF study and inspect the EMUs.

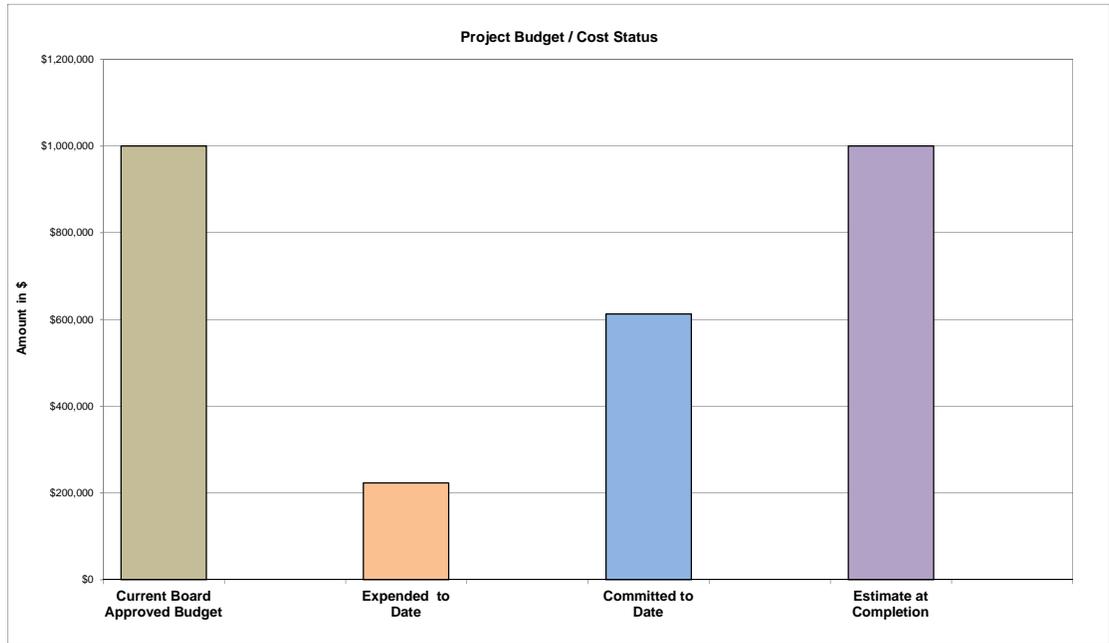
**Issues:** None.

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
<b>Total Project</b>	<b>\$1,000,000</b>	<b>\$223,004</b>	<b>\$612,982</b>	<b>\$1,000,000</b>	<b>\$0</b>



**Issues:** None.

**SAFETY:**



No incidents reported this quarter.

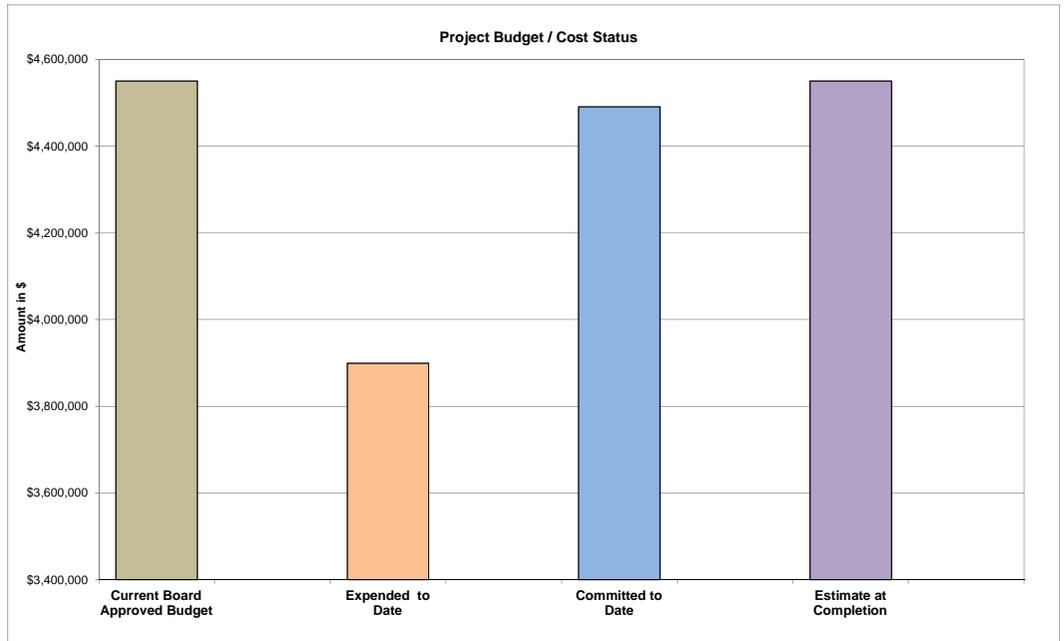


**BURLINGAME BROADWAY GRADE SEPARATION PROJECT  
(Preliminary Design/Environmental Clearance)**

**BUDGET:**



	(a)	(b)	(c)	(d)	(e) = (a - d)
	Current Board Approved Budget	Expended to Date	Committed to Date	Estimate at Completion	Variance at Completion
<b>Total Project</b>	<b>\$4,550,000</b>	<b>\$3,899,210</b>	<b>\$4,490,586</b>	<b>\$4,550,000</b>	<b>\$0</b>



**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			
				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:**

Apr - Jun 2020

- (1) Met with the CPUC, Caltrans and the City of Palo Alto and agreed to a scope of work for the project.
- (2) Caltrans will revise the project scope of work with the city of Palo Alto and amend their contract.

**Future**

**Activities:**

Jul - Sep 2020

- (1) Wait until the city of Palo Alto completes their 35% design in order for Caltrain's design to align with the city's design.

**Issues:**

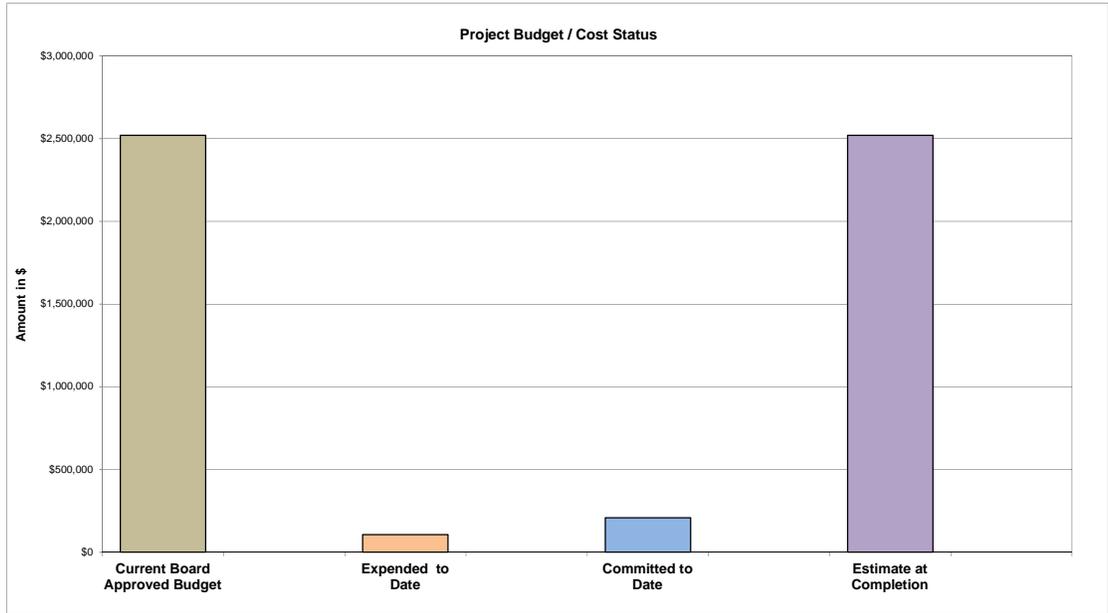
- (1) The schedule delay is due to the city of Palo Alto design schedule being delayed. PCJPB needs to coordinate the designs with the city's 35% design.
- (2) Our 35% design is on hold until then.

**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
<b>Total Project</b>	<b>\$2,520,000</b>	<b>\$105,824</b>	<b>\$207,668</b>	<b>\$2,520,000</b>	<b>\$0</b>



**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	2018				2019				2020			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
100443 - Energy	Efficient Lighting at Caltrain	01-Jan-19 A	31-Aug-20												
+ Bid and 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	31-Aug-20												

**Progress:**

Apr - Jun 2020 (1) Close out continued.  
 (2) Waiting for final punchlist items to be completed.

**Future**

**Activities:**

Jul - Sep 2020 (1) Complete close out.  
 (2) Finalize punchlist items.

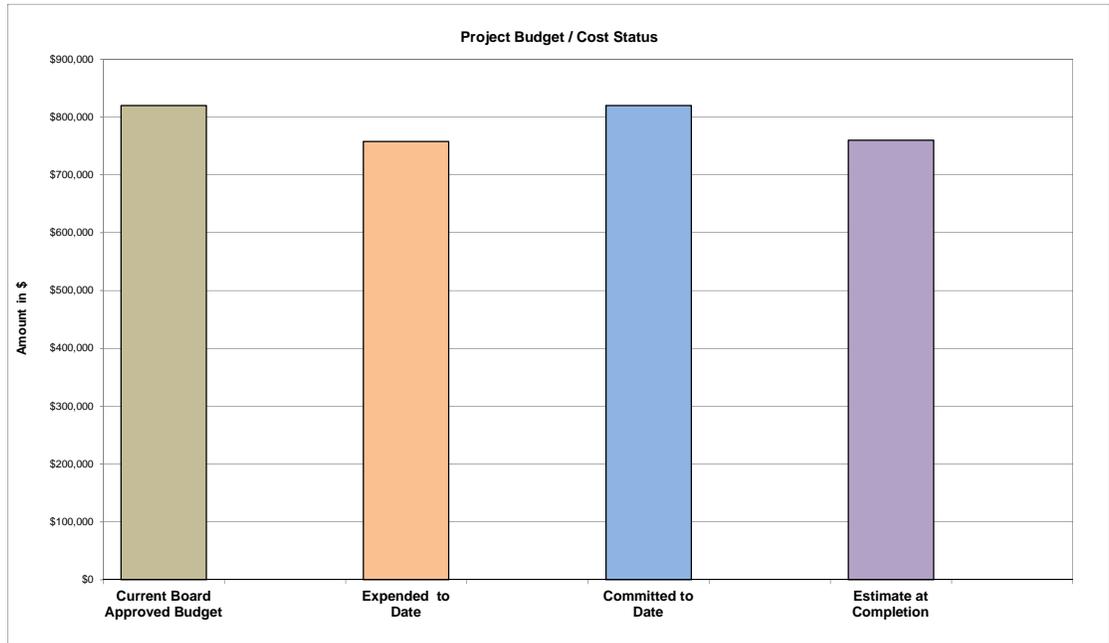
**Issues:** None.

**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
<b>Total Project</b>	<b>\$820,000</b>	<b>\$757,596</b>	<b>\$820,000</b>	<b>\$760,000</b>	<b>\$60,000</b>



**Issues:** None.

**SAFETY:**



No incidents reported this quarter.

F-40 LOCOMOTIVE MID-LIFE OVERHAUL PROJECT



**SCOPE:**



This project will perform mid-life overhaul of three F40PH2C 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 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 work shall be completed off-site at contractor's (Motive Power) facility location at Boise, Idaho. 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 three locomotives are:

1. Locomotive # 920
2. Locomotive # 921
3. Locomotive # 922

**Issues:** None.

**SCHEDULE:**



Activity ID	Activity Name	Start	Finish	2017				2018				2019				2020			
				Q1	Q2	Q3	Q4												
100005 - F-40 Locomotive Mid-Life Overhaul		31-Mar-17 A	29-Sep-20																
+	Technical Specs	31-Mar-17 A	31-Mar-17 A																
+	Bid and Award	01-Apr-17 A	02-Oct-17 A																
+	Construction	03-Oct-17 A	30-Jun-20 A																
+	Project Close Out	01-Jul-20	29-Sep-20																

**Progress:**

Apr- Jun 2020 (1) Overhauls of all three locomotives are completed.

**Future**

**Activities:**

Jul - Sep 2020 (1) Perform Project closout.

**Issues:**

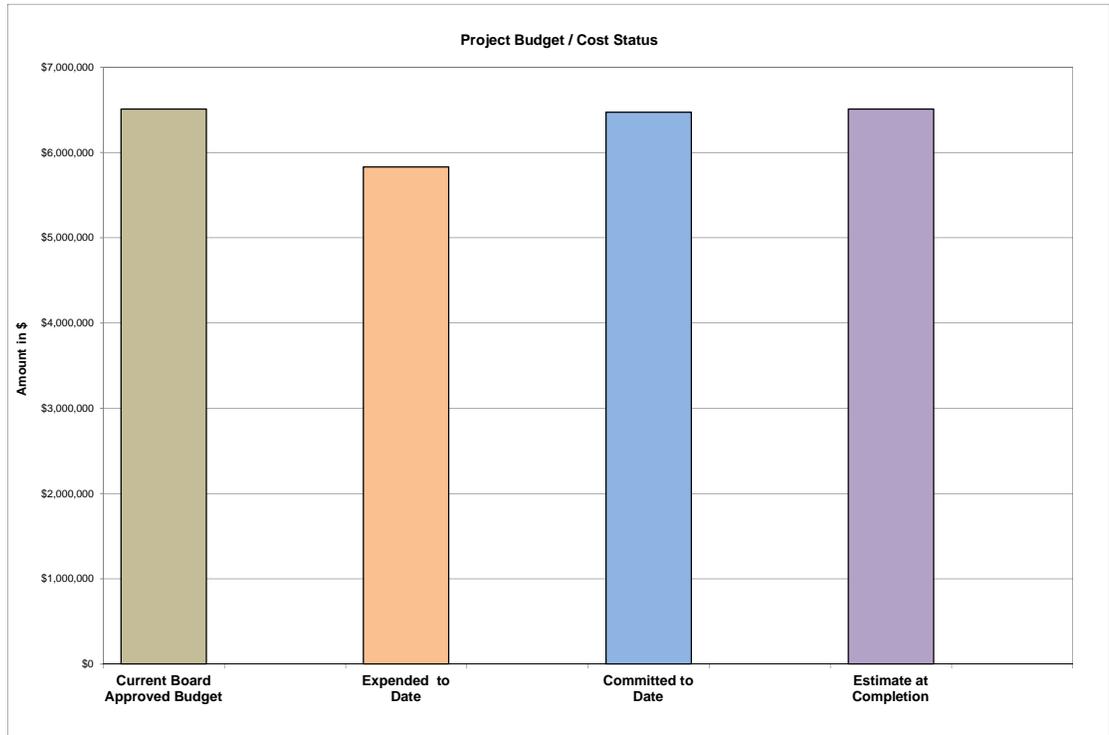
- Schedule delay is due to:
- (1) Additional parts needing to be replaced that were not part of the original overhaul scope.
  - (2) Resource constraints facing the contractor in hiring qualified workers to perform the locomotive overhauls.
  - (3) Schedule traffic light has been changed to green upon completion of the construction portion of the project.

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
<b>Total Project</b>	<b>\$6,510,000</b>	<b>\$5,831,760</b>	<b>\$6,472,725</b>	<b>\$6,510,000</b>	<b>\$0</b>



**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	Start	Finish	2019				2020				2021			
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
100333 - FY19 & 20 Grade Crossing	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:**

Apr - Jun 2020

- (1) Received comments on the 100% design from the reviewers and the design was revised to incorporate the comments. Received the IFB design package from the designer.
- (2) Presented project to the Phase Gate committee and received approval to proceed to IFB.
- (3) Began working with Contracts & Procurement on the IFB. Provided C&P the technical specs and drawings for the IFB.

**Future**

**Activities:**

Jul - Sep 2020

- (1) Continue to work with Contracts & Procurement to advertise the IFB.

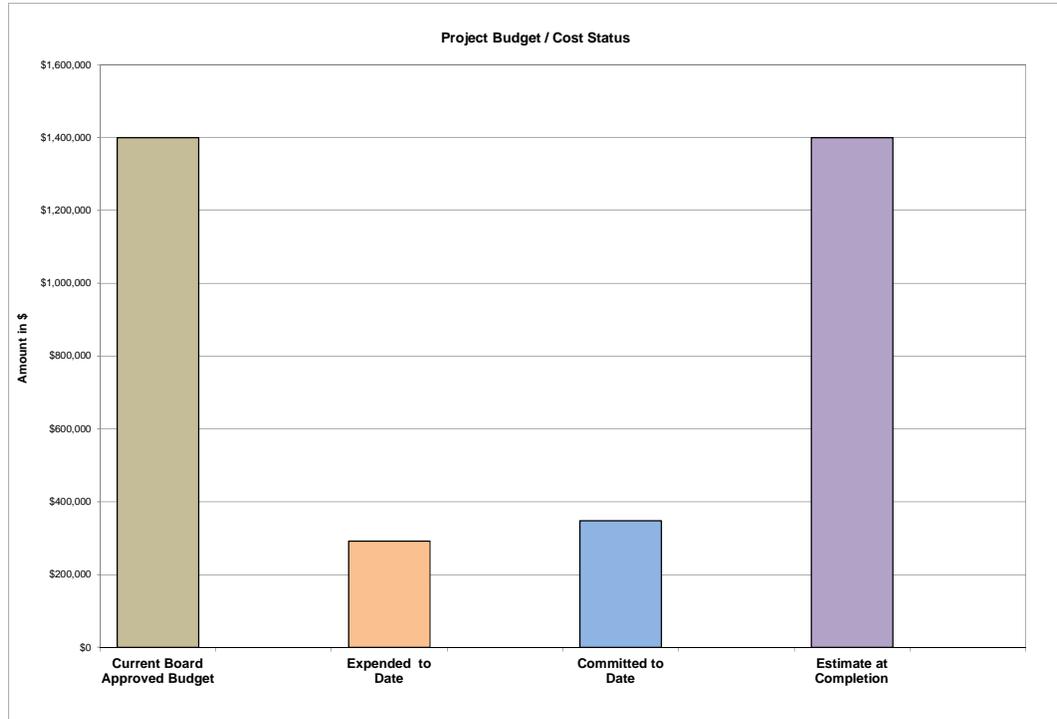
**Issues:** None.

**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
<b>Total Project</b>	<b>\$1,400,000</b>	<b>\$292,078</b>	<b>\$347,759</b>	<b>\$1,400,000</b>	<b>\$0</b>



**Issues:** None.

**SAFETY:** No incidents reported this quarter.



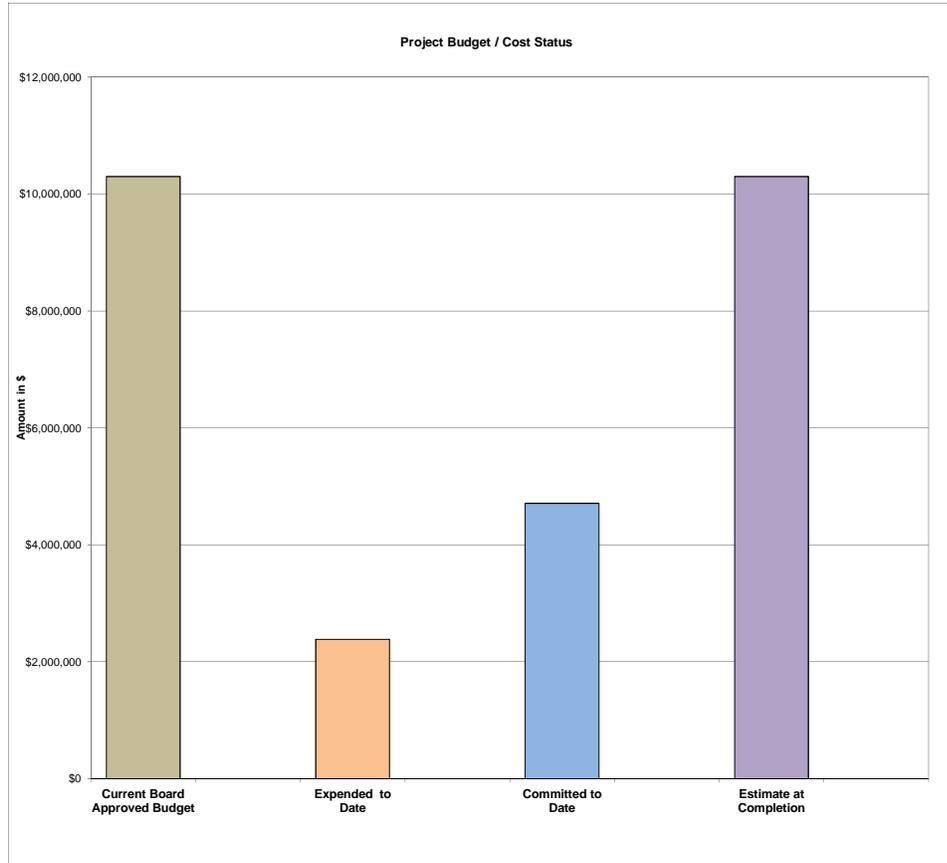


**GUADALUPE RIVER BRIDGES REPLACEMENT AND EXTENSION PROJECT  
(Preliminary Design/Environmental Clearance)**

**BUDGET:**



	(a)	(b)	(c)	(d)	(e) = (a - d)
	Current Board Approved Budget	Expended to Date	Committed to Date	Estimate at Completion	Variance at Completion
<b>Total Project</b>	<b>\$10,300,000</b>	<b>\$2,386,082</b>	<b>\$4,711,002</b>	<b>\$10,300,000</b>	<b>\$0</b>



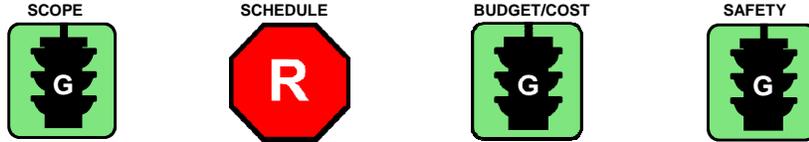
**Issues:** None.

**SAFETY:**



No incidents reported this quarter.

**MARIN STREET AND NAPOLEON AVENUE BRIDGE CLOSURE 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 four short bridge spans not located over box culvert and replace with light weight fill, 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 (optional work).

**Issues:** None.

**SCHEDULE:**

Activity ID	Activity Name	Start	Finish	Timeline														
				2016	2017	2018	2019	2020	2021									
				02	03	04	01	02	03	04	01	02	03	04	01	02	03	04
002080 - Marin Street & Napoleon Bridge Closure		01-Dec-14 A	31-Oct-21															
± Preliminary Engineering		01-Dec-14 A	30-Apr-16 A															
± Engineering Design		01-May-16 A	31-Aug-19 A															
± Revised Final Design		06-Jan-20 A	15-Feb-20 A															
± Bid & Award		16-Feb-20 A	09-Jul-20															
± Construction		10-Jul-20	31-Jul-21															
± Project Close Out		01-Aug-21	31-Oct-21															

- (1) Revised Final Design is due to a change from recast concrete girders to steel girders to minimize risk of high loading on existing box culvert and also accommodate PCEP overhead wires is completed and C&P is reviewing the IFB package with legal.
- (2) The schedule will be rebaselined when we receive the approved construction schedule.

**Progress:**

- Apr - Jun 2020
- (1) Working with City of SF, Legal team regarding "major encroachment permit".
  - (2) IFB was advertised for construction contract. Worked on Addendum and Bidder Inquiries.
  - (3) Conducted pre-bid meeting and jobsite walk with potential bidders.
  - (4) Bid Opening was on 04/28/20 - Disney Construction was lowest bidder and Proven is 2nd lowest bidder. Disney Construction bids were rejected due to non-compliance with DBE (15% goals). Hearing to be held for Disney's filed protest
  - (5) Bid documents were reviewed by OCR for DBE compliance.

**Future**

- Activities:**
- Jul - Sep 2020
- (1) Hearing for Disney Construction's protest regarding rejection of bids.
  - (2) Determination of responsive bidder.
  - (3) Work on Resolution and Staff Report.
  - (4) Award the construction contract at the board meeting.
  - (5) Begin Construction.

**Issues:**

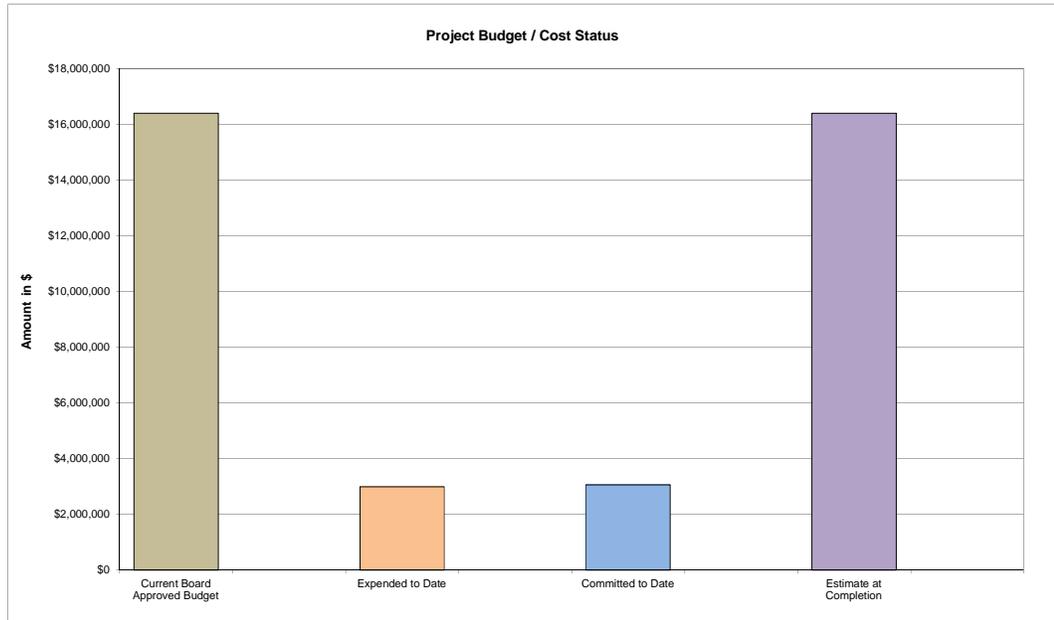
- Project schedule has been extended due to:
- (1) Existing box culvert coordination at Napoleon Street. - Closed, addressed in IFB package
  - (2) Crane - stage construction issue due to existing constraints. - Closed, addressed in IFB package
  - (3) Existing job site conditions - homeless and DPW on PCJPB right of way. - Ongoing coordination with DPW and Hanson Bridgett
  - (4) Major encroachment permit - requested by City of San Francisco. - Ongoing coordination with DPW and Hanson Bridgett
  - (5) Design modifications for incorporating PCEP OCS components. - Closed, addressed in IFB package

**MARIN STREET AND NAPOLEON AVENUE BRIDGE CLOSURE 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
<b>Total Project</b>	<b>\$16,400,000</b>	<b>\$2,993,552</b>	<b>\$3,064,606</b>	<b>\$16,400,000</b>	<b>\$0</b>



**Issues:**

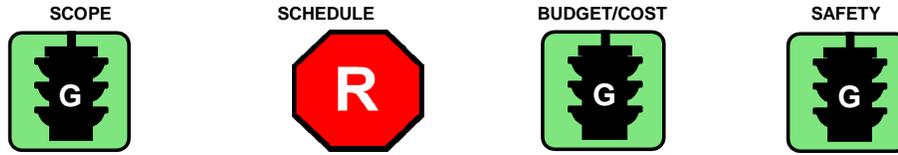
- (1) EAC has been increased this Quarter as per Project Manager latest cost estimate and is due to Risk Register Cost, Box culvert inspection, Permits, Weekend work, Soft cost etc., which were inadvertently missed in the original estimate.
- (2) FY2021 Capital Budget of \$9,696,000 approved at June board approved was added this quarter.

**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 ID	Activity Name	Start	Finish	2018				2019				2020				2021			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
100278	Mary Avenue Traffic Signal	01-Feb-18 A	31-Oct-21	[Gantt chart showing project duration from Feb 2018 to Oct 2021]															
+ Final Design		01-Feb-18 A	06-May-20 A	[Gantt bar for Final Design]															
+ Bid and Award		07-May-20 A	30-Sep-20	[Gantt bar for Bid and Award]															
+ Construction		01-Oct-20	30-Jun-21	[Gantt bar for Construction]															
+ Project Close Out		01-Jul-21	31-Oct-21	[Gantt bar for Project Close Out]															

**Progress:**

- Apr - Jun 2020
- (1) Completed the final design.
  - (2) Issued the work directive proposal request to TASI for construction.
  - (3) Received the work directive proposal from TASI for construction. Reviewed the proposal and found it acceptable.

**Future**

**Activities:**

- Jul - Sep 2020
- (1) Contract & Procurement to issue NTP to TASI for the construction of the advance signal preemption.

**Issues:**

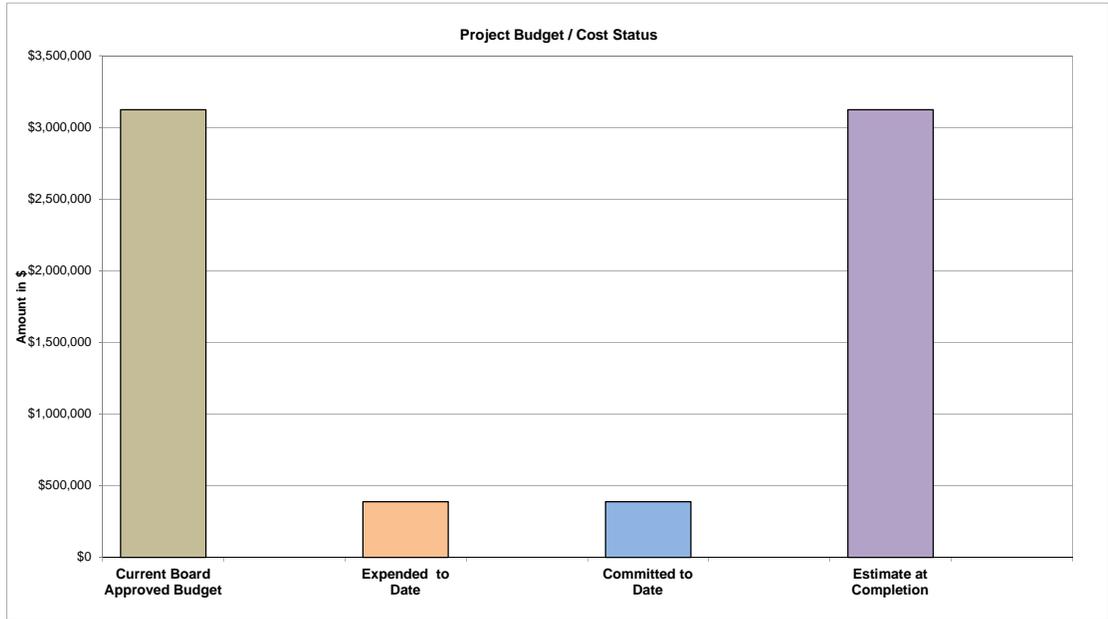
- (1) Design was delayed due to the coordination issues with the City of Sunnyvale and Electrification

**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
<b>Total Project</b>	<b>\$3,125,000</b>	<b>\$387,995</b>	<b>\$388,217</b>	<b>\$3,125,000</b>	<b>\$0</b>



**Issues:** None.

**SAFETY:**



No incidents reported this quarter.

**MP-36 LOCOMOTIVE MID-LIFE OVERHAUL PROJECT**



**SCOPE:**

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:** None.

**SCHEDULE:**

Activity ID	Activity Name	Start	Finish	2017		2018			2019			2020			2021			2022				
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
100218 - MP-36	Locomotive Mid-Life Overhaul	01-Apr-17 A	30-Jun-22																			
+	Technical Specs	01-Apr-17 A	28-Feb-18 A																			
+	Bid and Award	01-Jul-19 A	30-Apr-20 A																			
+	Construction	01-May-20 A	31-Mar-22																			
+	Project Close Out	01-Apr-22	30-Jun-22																			

**Progress:**

- Apr - Jun 2020
- (1) Contract approved by Caltrain board.
  - (2) Kick-off meeting held with contractor.
  - (3) Locomotive #927 delivered to Alstom.

**Future**

**Activities:**

- Jul - Sep 2020 (1) Perform the in-bound test of locomotive #927.

**Issues:**

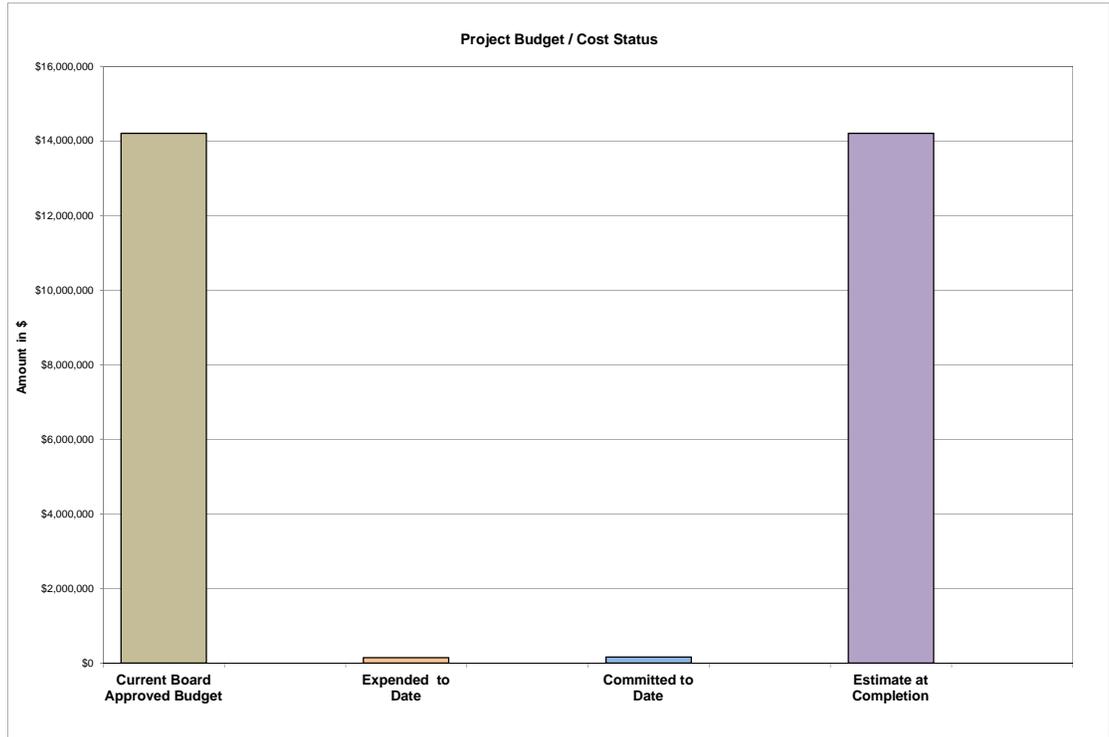
Bids were rejected at the October 04, 2018 Board meeting. Schedule delay is due to re-evaluating and re-issuing the contract for bid. Schedule will be rebaselined when the construction schedule has been approved.

**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
<b>Total Project</b>	<b>\$14,209,714</b>	<b>\$151,264</b>	<b>\$168,235</b>	<b>\$14,209,714</b>	<b>\$0</b>



**Issues:** None.

**SAFETY:** No incidents reported this quarter.



**RAILROAD COMMUNICATION SYSTEM PROJECT - FY2017**



**SCOPE:** The State of Good Repair (SOG) 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	2019			2020				2021		
				Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	
100147 - FY17 Railroad Communication SOG		01-Sep-18 A	30-Jun-21										
+ Final Design		01-Sep-18 A	31-Jul-20	█									
+ Bid & Award		01-Aug-20	31-Mar-21			█			█				
+ Project Close Out		01-Apr-21	30-Jun-21									█	

**Progress:**

Apr - Jun 2020 (1) Continued with design plans & specifications.

**Future**

**Activities:**

- Jul - Sep 2020 (1) Complete design plans & specifications.
- (2) Initiate bid and award.

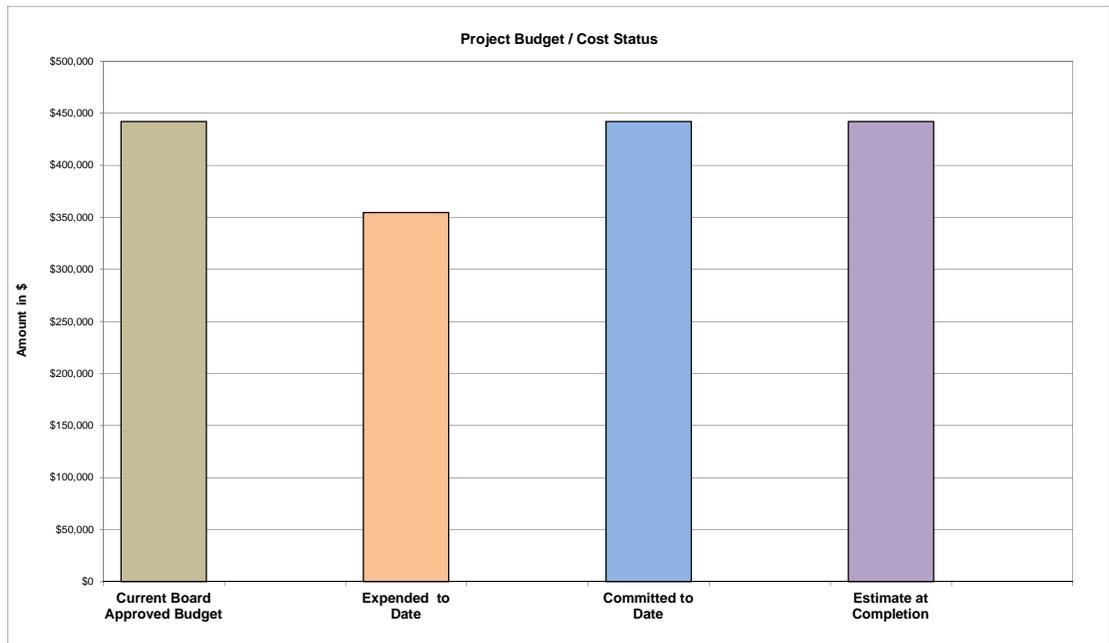
**Issues:** The project schedule has been delayed due to the continuing mitigation of the unforeseen incompatibility issues with the digital signal of radios being considered by Caltrain and the digital signals of radios being used or being considered by the tenants on the right of way.

**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
<b>Total Project</b>	<b>\$442,000</b>	<b>\$354,662</b>	<b>\$441,965</b>	<b>\$442,000</b>	<b>\$0</b>



**Issues:** (1) 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	31-Jul-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-Oct-20				█	█	█				
+	Construction	01-Nov-20	30-Apr-21					█	█	█	█		
+	Project Close Out	01-May-21	31-Jul-21									█	█

**Progress:**

- Apr - Jun 2020 (1) Completed final design.  
 (2) Initiated bid and award.

**Future**

**Activities:**

- Jul - Sep 2020 (1) Continue Bid & Award.

**Issues:**

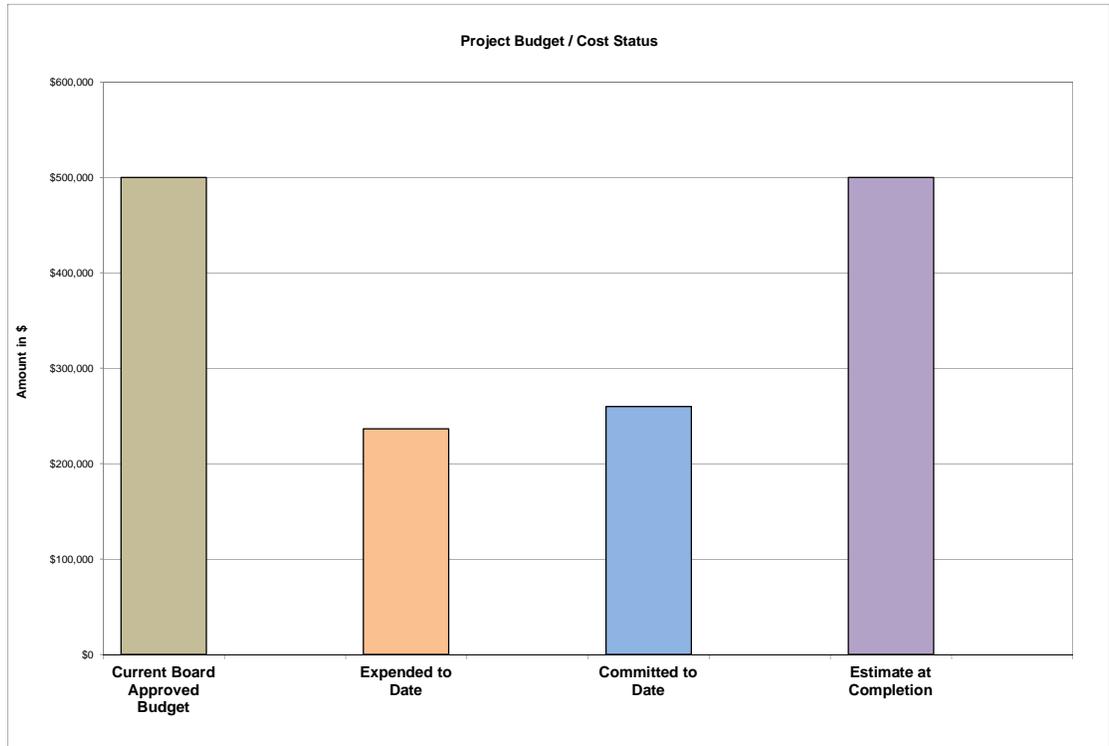
The current schedule delay was due to the late award of the design contract.

**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
<b>Total Project</b>	<b>\$500,000</b>	<b>\$236,443</b>	<b>\$260,043</b>	<b>\$500,000</b>	<b>\$0</b>



**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			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
100406 - FY19 RR Communication System (S)		20-May-19 A	31-Jan-21								
+	Bid & Award	20-May-19 A	20-Nov-19 A								
+	Testing	21-Nov-19 A	31-Oct-20								
+	Project Close Out	01-Nov-20	31-Jan-21								

**Progress:**

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

**Future**

**Activities:**

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

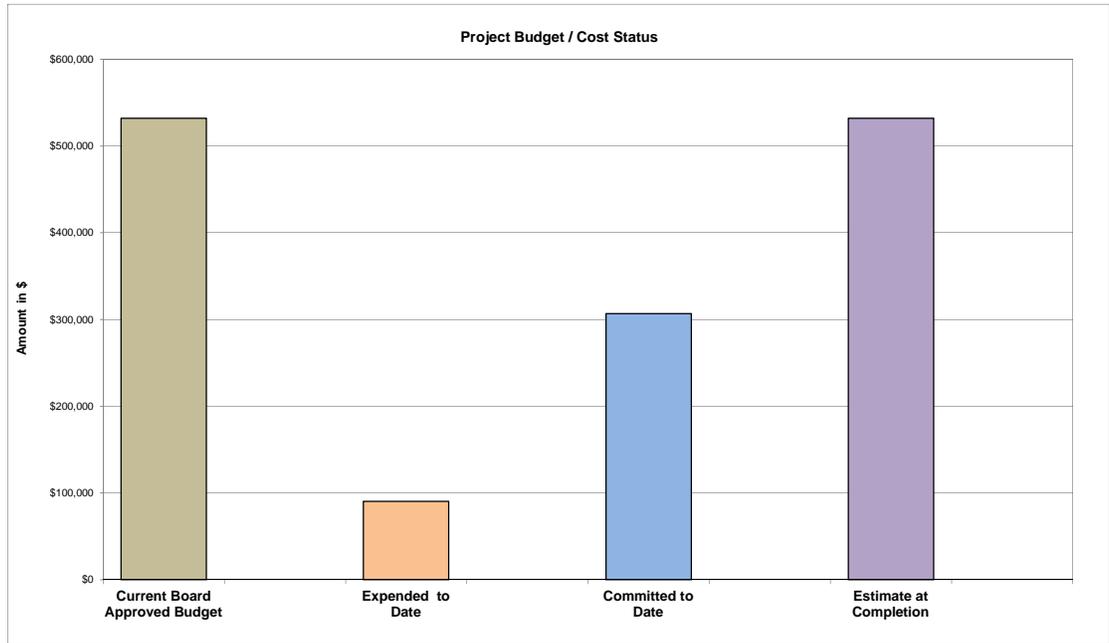
**Issues:** Schedule delay is due to COVID-19 shelter in place order causing the contractor to restrict travel of its personnel.

**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
<b>Total Project</b>	<b>\$532,000</b>	<b>\$90,530</b>	<b>\$306,719</b>	<b>\$532,000</b>	<b>\$0</b>



**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	Timeline										
				2019			2020							
				Q2	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:**

Apr - Jun 2020

- (1) Continued data collection for proceeding with environmental clearance.
- (2) Continued geometric refinement and alternative design per feedback from the City and project team.
- (3) Identified potential utility relocation needs and began preparation of draft utility plan.
- (4) City and County provided review comments on Traffic Memo, Preliminary Design and ROW impact exhibits.
- (5) Reviewed and addressed City's comments on project deliverables.
- (6) Conducted right-of-way field meeting with City of Mountain View staff.
- (7) Began temporary and permanent construction impact assessment.
- (8) On-going project coordination with the City and County.

**Future**

**Activities:**

Jul - Sep 2020

- (1) Held comment resolution meeting with the City on proposed pedestrian and bicycle facilities.
- (2) Complete temporary and permanent construction impact assessment.
- (3) Begin drafting of construction staging and detour plans.
- (4) Conduct traffic counts when traffic resumes back to normal.

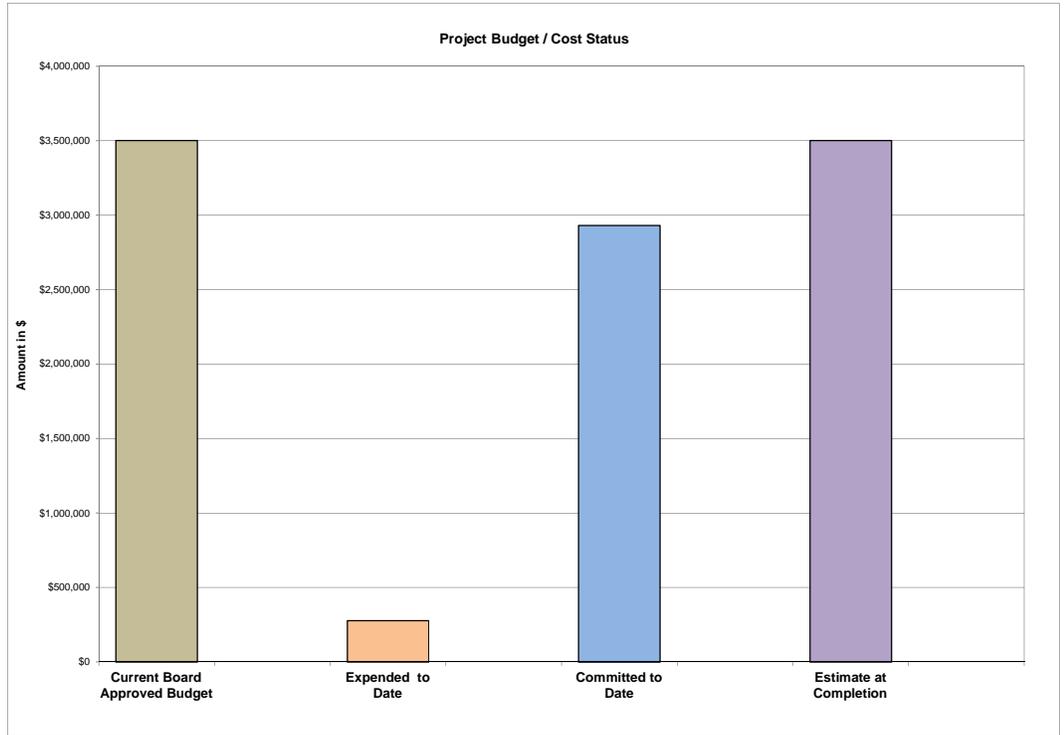
**Issues:** Delay in conducting traffic analysis may impact the design schedule.

**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
<b>Total Project</b>	<b>\$3,500,000</b>	<b>\$276,462</b>	<b>\$2,930,312</b>	<b>\$3,500,000</b>	<b>\$0</b>



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

**SAFETY:** No incidents reported this quarter.



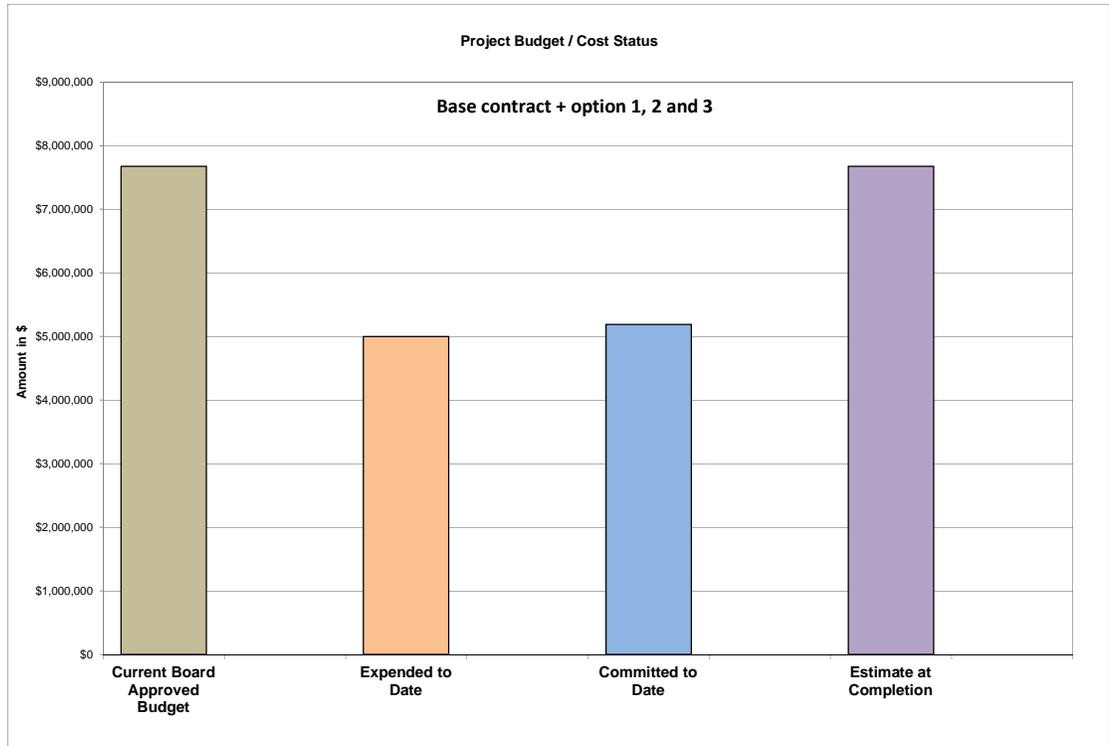


**RIGHT OF WAY FENCING PROJECT**

**BUDGET:**



	(a)	(b)	(c)	(d)	(e) = (a - d)
	Current Board Approved Budget	Expended to Date	Committed to Date	Estimate at Completion	Variance at Completion
<b>Total Project</b>	<b>\$7,672,958</b>	<b>\$4,996,343</b>	<b>\$5,187,435</b>	<b>\$7,672,958</b>	<b>\$0</b>



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

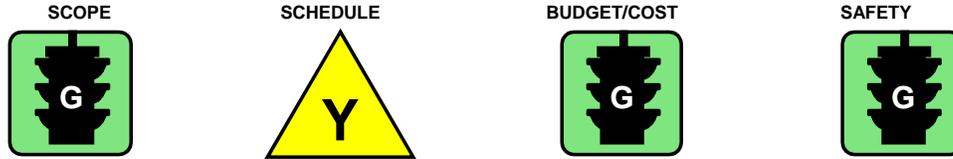
**Issues:** None.

**SAFETY:**



No incidents reported this quarter.

**SOUTH SAN FRANCISCO STATION IMPROVEMENT PROJECT**



This project will replace the existing South San Francisco Station. The scope includes track work, signal work, a new 700 foot center board platform with new amenities, new shuttle drop-off, and connectivity to a new pedestrian underpass from the platform to Grand Avenue/Executive Drive. This project will improve safety by eliminating the hold out rule; in addition, the project provides connectivity along Grand Avenue for the City of South San Francisco (CSSF).

Key elements of the project include:

1. New center platform.
2. New at-grade pedestrian crossing at the north end of station.
3. New pedestrian underpass at the south end of the station.
4. New pedestrian plaza area at west and east end of the pedestrian underpass.
5. Inclusion of CSSF design modifications for the west and east plaza and ramps.
6. Funding of UPRR for replacement of tracks being removed as part of this project.

**Issues:** None.

**SCHEDULE:**



Activity ID	Activity Name	Start	Finish	2015			2016			2017			2018			2019			2020			2021		
				Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
002146 - South San Francisco Station Impro		01-Apr-15 A	30-Jun-21																					
+	Engineering Design	01-Apr-15 A	17-Mar-17 A																					
+	Contracts & Procurement (C&P)	18-Mar-17 A	06-Oct-17 A																					
+	Construction	09-Oct-17 A	31-Mar-21																					
+	Project Close Out	01-Apr-21	30-Jun-21																					

**Progress:**

- Apr - Jun 2020
- (1) Completed construction of west side storm drain line.
  - (2) Completed installation of new Signal Cantilever Foundation.
  - (3) Completed coordination with electrification on site access for temporary platform
  - (4) Continued construction of ramp 2/stair 2/ ramp 3.
  - (5) Began construction of Center platform.

**Future Activities:**

- Jul - Sep 2020
- (1) Complete form work and concrete pour for ramp 2/stair 2/ ramp 3.
  - (2) Begin construction of MT2 track realignment.
  - (3) Begin construction of temporary platform for upcoming cutover.
  - (4) Began construction of Center platform.

**Issues:**

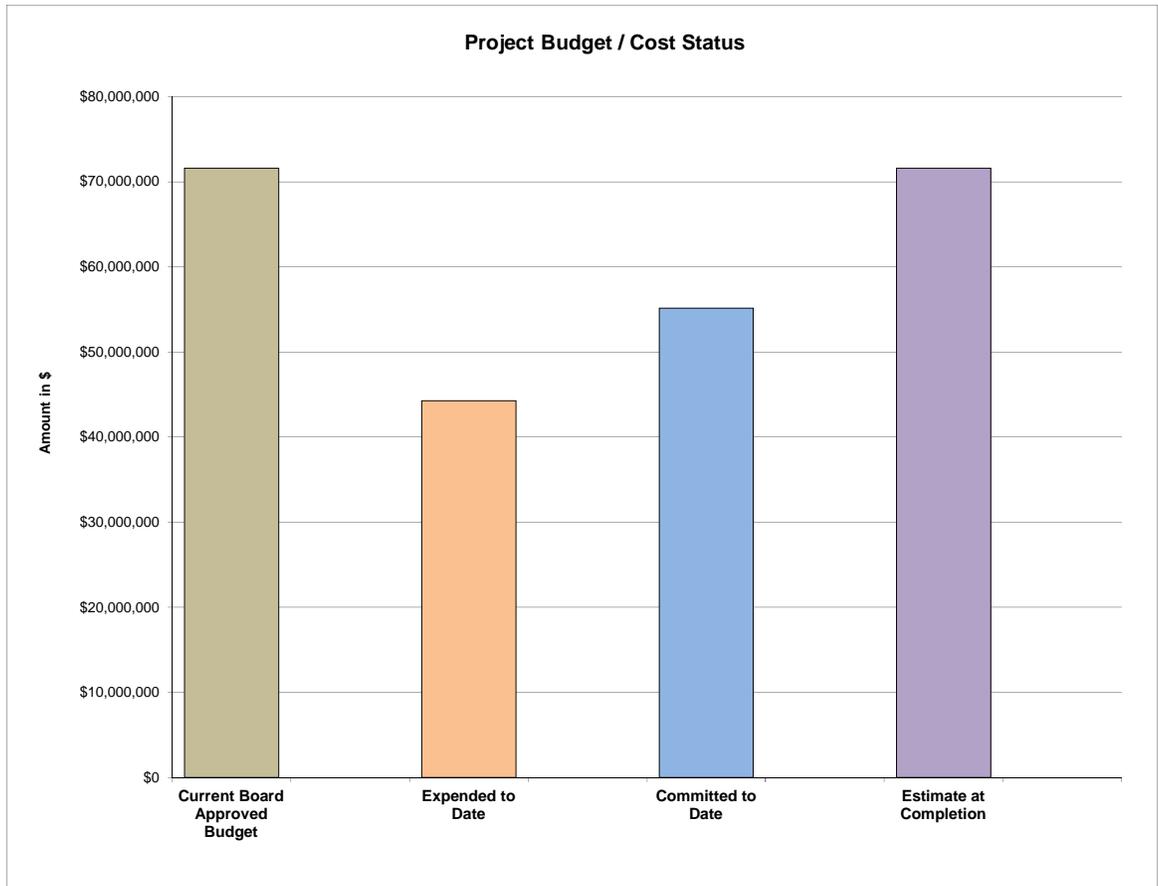
- (1) Project completion and OCS Foundation milestone has been extended due to the suspension of critical path construction activities that was caused by delays in Caltrans permitting and its impact to commencement of 3rd party utility relocation, including PG&E gas and electrical relocation.
- (2) Third party relocation was late and limited ability to prosecute critical path activities (PG&E - gas & electric).

**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
<b>Project Total</b>	<b>\$71,600,000</b>	<b>\$44,282,357</b>	<b>\$55,130,334</b>	<b>\$71,600,000</b>	<b>\$0</b>



**Issues:** None.

**SAFETY:** No incidents reported this quarter.



**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	2018			2019				2020						
				Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1		
100149 - Station Enhancement and Renovat		01-Mar-18 A	31-Jan-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-Oct-20						█					█	█		
Project Close Out		01-Nov-20	31-Jan-21													█	█

**Progress:**

Apr - Jun 2020

- (1) Completed review of alternative ways to complete renovation.
- (2) Completed Bid & Award.
- (3) Began preparing to kick off construction work.

**Future**

**Activities:**

Jul - Sep 2020

- (1) Begin construction work.

**Issues:**

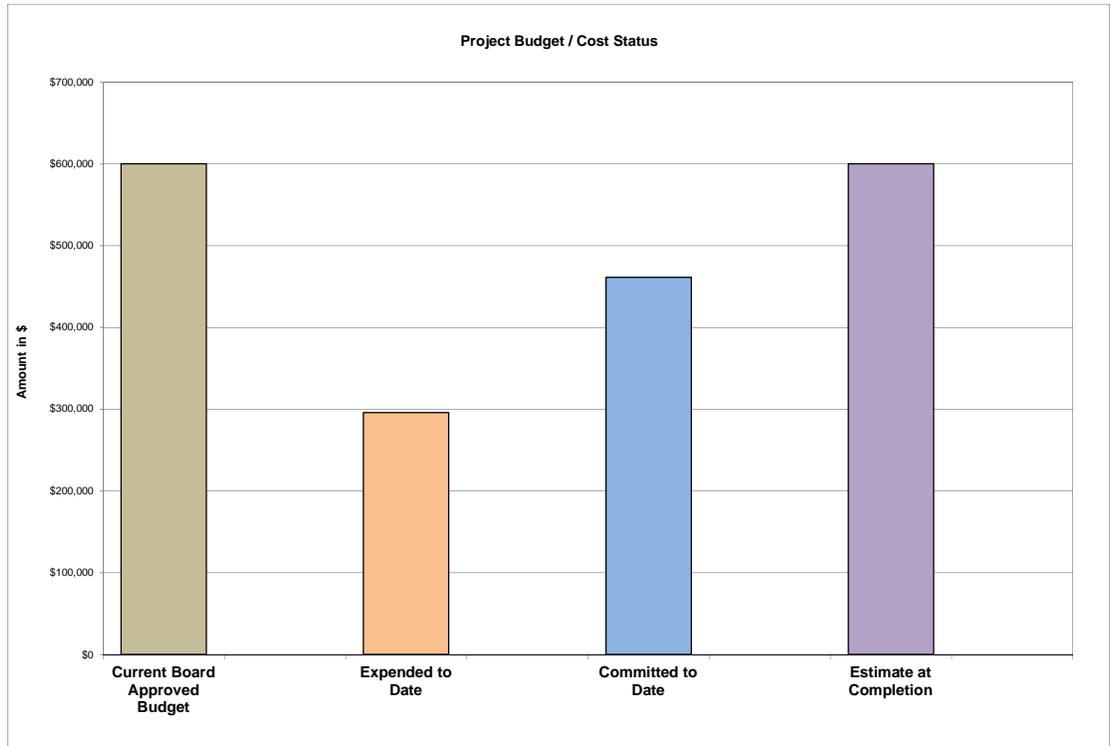
Schedule delay is due to TASI and PCJPB resource issues.

**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
<b>Total Project</b>	<b>\$600,000</b>	<b>\$295,820</b>	<b>\$461,050</b>	<b>\$600,000</b>	<b>\$0</b>



**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
100405 - FY19	Systemwide Signal System Re	20-May-19 A	20-Oct-20						
+	Bid & Award	20-May-19 A	08-Jul-19 A	█					
+	Construction	09-Jul-19 A	20-Jul-20		█	█	█	█	
+	Project Close Out	21-Jul-20	20-Oct-20						█

**Progress:**

Apr - Jun 2020 (1) Continued replacement of controllers.

**Future**

**Activities:**

Jul - Sep 2020 (1) Complete replacement of controllers.  
 (2) Begin project close out.

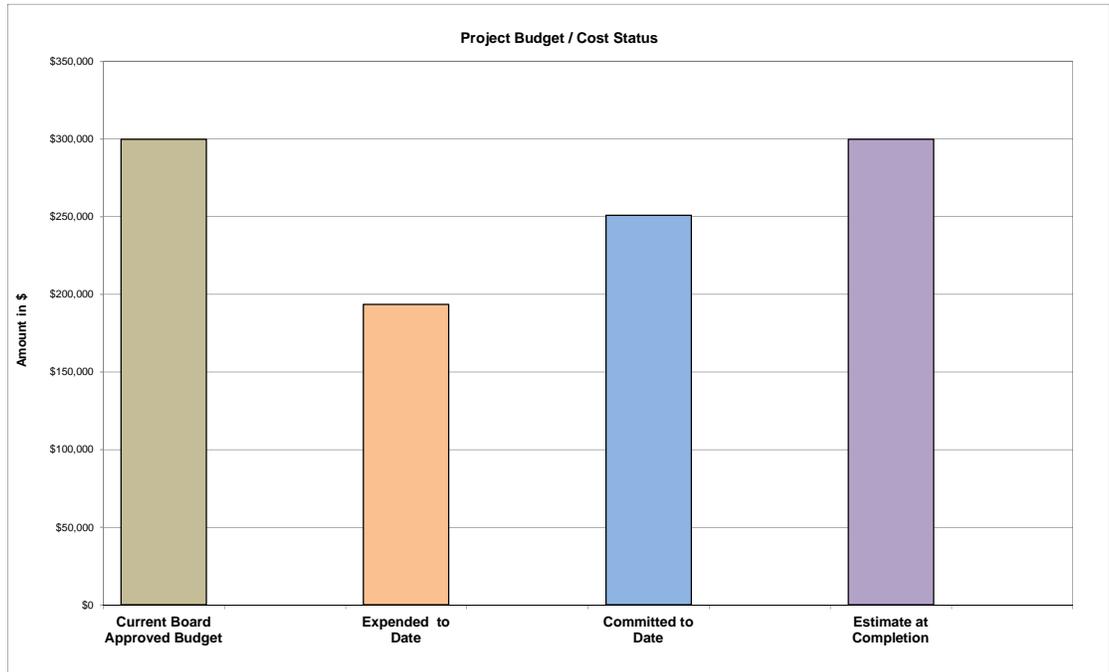
**Issues:** None.

**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
<b>Total Project</b>	<b>\$300,000</b>	<b>\$193,488</b>	<b>\$250,991</b>	<b>\$300,000</b>	<b>\$0</b>



**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	2019			2020			2021						
				Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
100230 - FY19 Systemwide Track Rehabilitati		01-Jul-19 A	31-Dec-20													
+ ROW Maintenance		01-Jul-19 A	30-Sep-20													
+ Project Close Out		02-Oct-20	31-Dec-20													

**Progress:**

Apr - Jun 2020

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>(1) Built up 11 frog inserts.</li> <li>(2) Ground 45 switches.</li> <li>(3) Placed 125 Tons of Ballast .</li> <li>(4) Performed 34 thermite welds.</li> <li>(5) Changed out 5,331 feet of rail (due to wear).</li> <li>(6) Changed out 256 feet of rail (internal flaw).</li> <li>(7) Ground 44 switches.</li> <li>(8) Replaced one frog.</li> </ul> | <ul style="list-style-type: none"> <li>(9) Installed 206 cross ties.</li> <li>(10) Installed nine switch ties.</li> <li>(11) Installed 11 UP cross ties.</li> <li>(12) Installed 18 UP switch ties.</li> <li>(13) Performed UT weld testing.</li> <li>(14) Performed UT Hyrail inspection.</li> <li>(15) Performed tree trimming.</li> <li>(16) Performed fencing.</li> </ul> |
|---|---|

**Future**

**Activities:**

Jul - Sep 2020

- (1) Continue ongoing maintenance work.

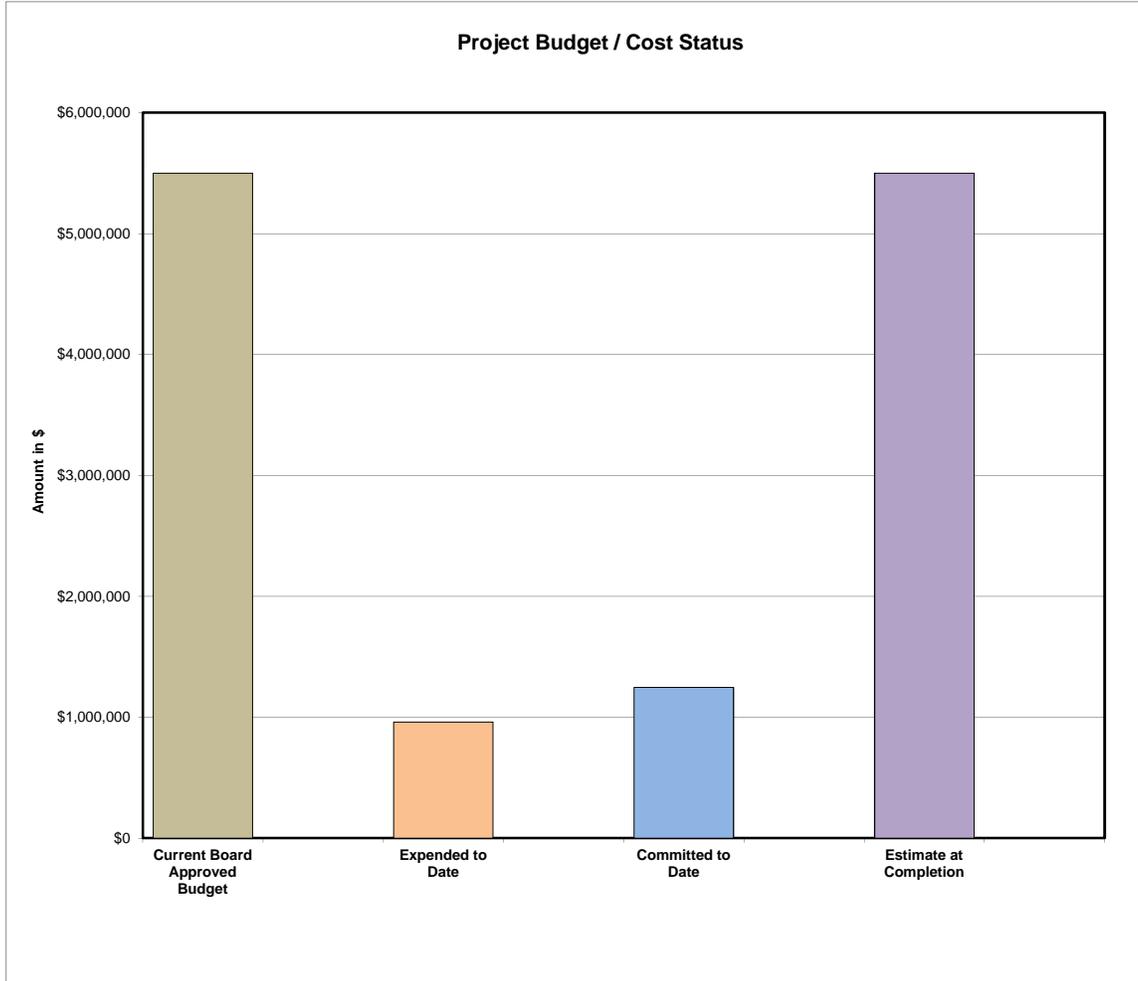
**Issues:** None.

**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
<b>Project Total</b>	<b>\$5,500,000</b>	<b>\$959,233</b>	<b>\$1,245,595</b>	<b>\$5,500,000</b>	<b>\$0</b>



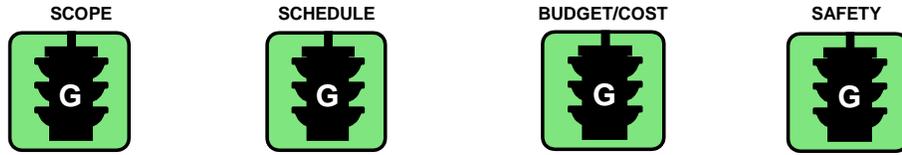
**Issues:** None.

**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 2 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 upgraded at the stations.

**Issues:**

None.

**SCHEDULE:**



Activity ID	Activity Name	Start	Finish	2018				2019				2020				2021			
				Q4	Q1	Q2	Q3												
100240 - Ticket Vending Machine Rehab Proj		01-Jan-18 A	31-Jan-21																
+ Final Design		01-Jan-18 A	01-Nov-18 A																
+ Bid and Award		01-Mar-18 A	30-Apr-19 A																
+ Construction		01-May-19 A	31-Oct-20																
+ Project Close Out		01-Nov-20	31-Jan-21																

**Progress:**

Apr - Jun 2020 (1) Ventek continued to test the new software for the central server and the new database. Found some issues with the database and working on the resolutions.  
 (2) Ventek finished the TRX credit card reader installation.

**Future**

**Activities:**

Jul - Sep 2020 (1) Ventek to continue test the new software and database.  
 (2) Test the MTC Clipper system connection.

**Issues:**

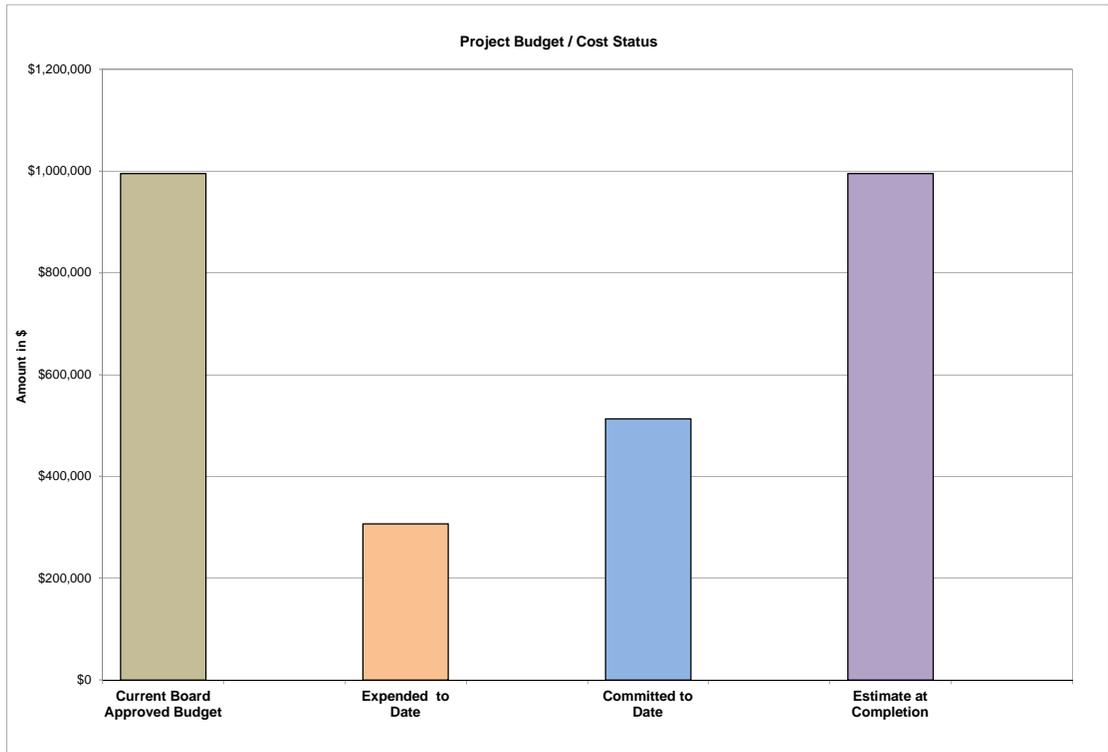
None.

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
<b>Total Project</b>	<b>\$995,000</b>	<b>\$306,633</b>	<b>\$513,287</b>	<b>\$995,000</b>	<b>\$0</b>



**Issues:** None.

**SAFETY:**



No incidents reported this quarter.

**WAYSIDE BIKE PARKING IMPROVEMENT PROJECT**



**SCOPE:**



The project will greatly increase the number of bicycle parking spaces provided at Caltrain stations, reducing the demand for on board bike space. The first portion of the project will upgrade the existing individually assigned bicycle lockers to on-demand electronic bicycle lockers (e-lockers). A contract is being prepared to purchase up to 1,000 e-lockers. Other efforts include installing additional bike racks, upgrading bike rooms at some stations and potentially installing modular bike rooms.

**Issues:**

None.

**SCHEDULE:**



Activity ID	Activity Name	Start	Finish	2020				2021				2022				2023			
				Q1	Q2	Q3	Q4												
100479 - Wayside Bike Parking Improvement		01-Jan-20 A	31-Mar-24																
Final Design		01-Jan-20 A	30-Jun-20 A	█	█	█	█												
Bid & Award		01-Jul-20	30-Sep-20			█	█												
Construction		01-Oct-20	31-Dec-23					█	█	█	█	█	█	█	█	█	█	█	█
Project Close Out		01-Jan-24	31-Mar-24																█

**Progress:**

Apr - Jun 2020

- (1) Continued correspondence with eLock Technologies for entering into a contract for procurement of e-lockers.
- (2) Completed final design.

**Future**

**Activities:**

Jul - Sep 2020

- (1) Finalize correspondence with eLock Technologies for entering into a contract for procurement of e-lockers.
- (2) Complete bid and award.

**Issues:**

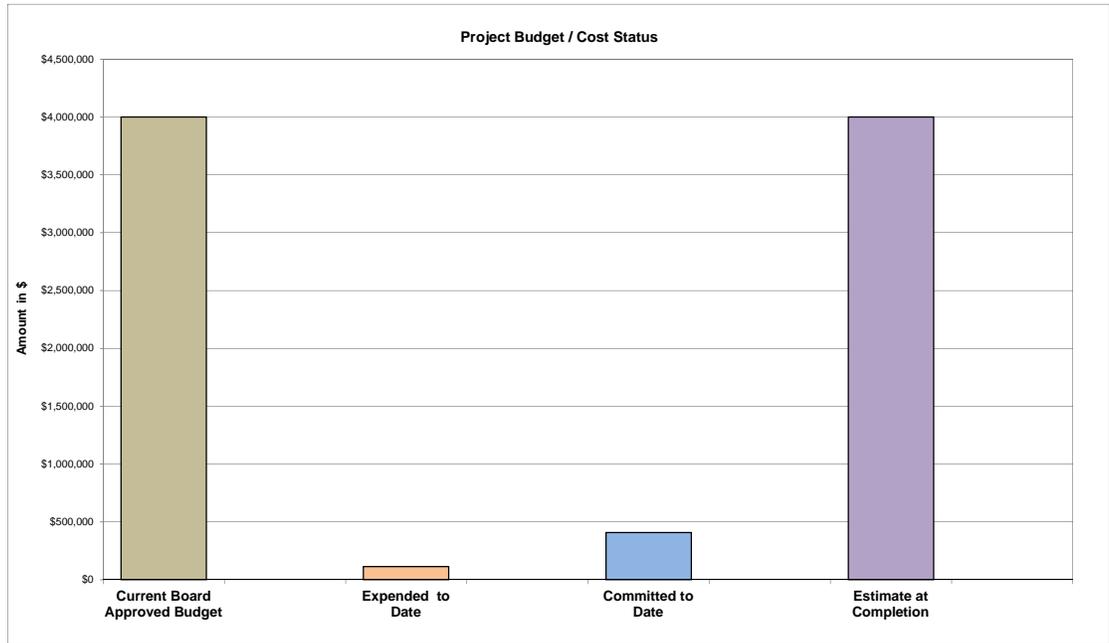
None.

**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
<b>Total Project</b>	<b>\$4,000,000</b>	<b>\$115,136</b>	<b>\$407,892</b>	<b>\$4,000,000</b>	<b>\$0</b>



**Issues:** None.

**SAFETY:**



No incidents reported this quarter.

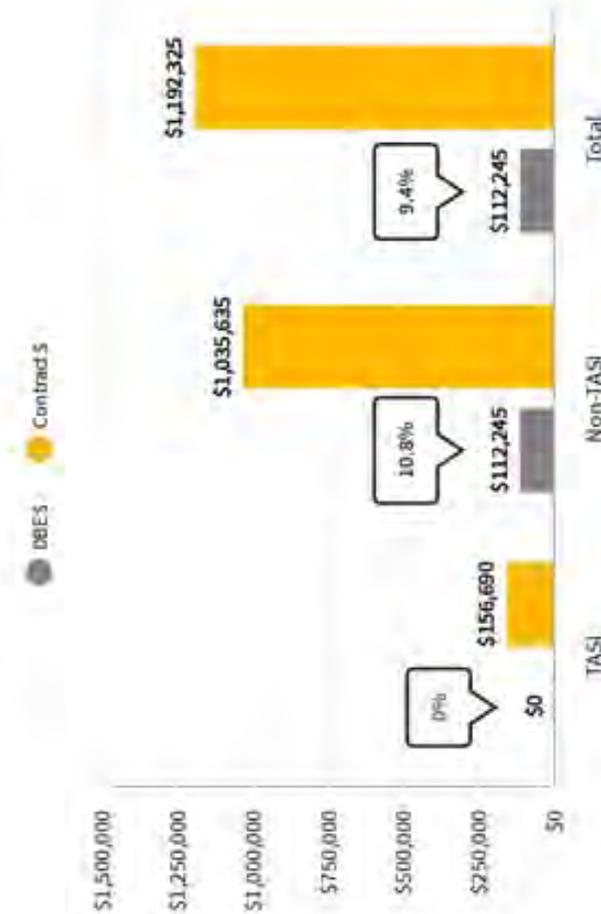
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# Caltrain : Disadvantaged Business Enterprise (DBE)

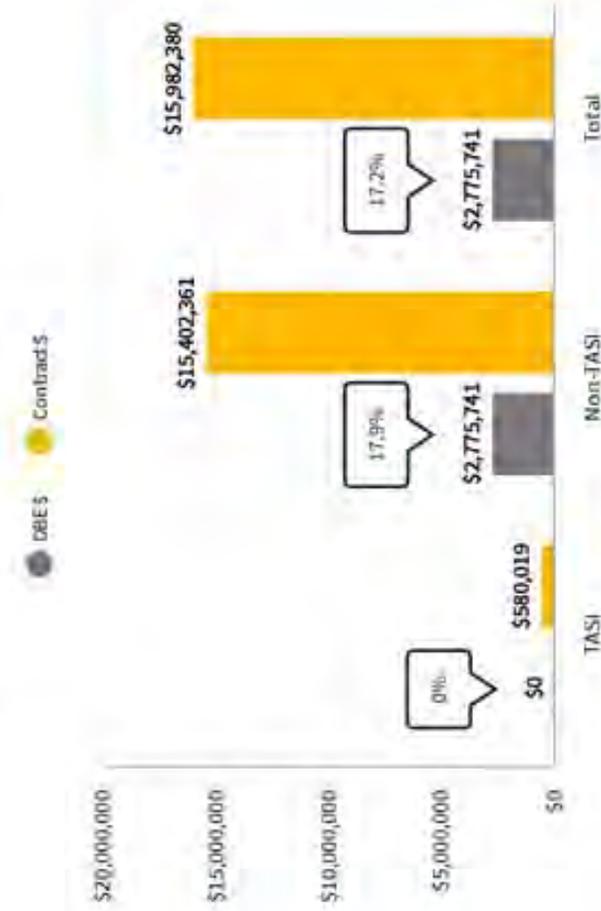
## Quarterly Status Report:

- The Caltrain overall DBE goal is 13.5%.
- TASI had zero percent (0%) DBE utilization for the third quarter.
- Q3 DBE participation fell below the goal, however, YTD figures show Caltrain is on trend to exceed the DBE goal.

FFY20 Q3: April 01, 2020 to June 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)
<b>1. SCOPE</b>	(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.
<b>2. BUDGET</b>	(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%.
<b>3. SCHEDULE</b>	(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.
<b>4. SAFETY</b>	(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

	<b>Completed</b>
	<b>Critical path</b>
	<b>Baseline/target schedule</b>