



Quarterly Capital Program Status Report and DBE Status Report

Prepared for the September 06, 2018 Caltrain Board Meeting

4th Quarter FY2018: April 01, 2018 – June 30, 2018

Peninsula Corridor Joint Powers Board



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Caltrain - Capital Program - Budget Status Summary

4th Quarter FY2018 - April 01, 2018 to June 30, 2018

All Costs in \$1,000's

| Programs | | | | | | |
|---|-----------------|------------------|-----------------|------------------|------------------|-----------------|
| | FY2013 | FY2014 | FY2015 | FY2016 | FY2017 | FY2018 |
| 1. Station and Intermodal Access | \$710 | \$3,575 | \$3,483 | \$39,756 | \$1,450 | \$745 |
| 2. Right of Way / Signal & Communications | \$23,054 | \$46,352 | \$22,275 | \$40,350 | \$180,232 | \$22,438 |
| 3. Rolling Stock | \$7,000 | \$2,221 | \$3,900 | \$4,000 | \$6,997 | \$12,826 |
| 4. Operational Improvements/Enhancements | \$4,307 | \$4,423 | \$2,271 | \$2,844 | \$4,723 | \$31,054 |
| 5. Planning and Studies | \$1,990 | \$2,690 | \$1,740 | \$4,220 | \$2,756 | \$3,040 |
| 6. Caltrain Modernization Program | \$2,032 | \$13,322 | \$9,291 | \$122,529 | \$315,873 | \$0 |
| 7. Legal Mandates & Required Enhancements | \$0 | \$117,982 | \$1,595 | \$3,337 | \$14,721 | \$1,220 |
| Total Board Approved Budget by FY | \$39,093 | \$190,565 | \$44,555 | \$217,036 | \$526,752 | \$71,323 |

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
 CBOSS/PTC Project
 Caltrain Right of Way Fencing Project
 F-40 Locomotive Mid-Life Overhaul Project
 Grade Crossing Improvement Projects
 Los Gatos Bridge Replacement Project
 Marin and Napoleon Bridge Closure Project
 Mary Avenue Traffic Signal Project
 New Control Point at Brittan Project
 South San Francisco Station Improvements Project
 Sunnyvale Station Rehabilitation Project
 Systemwide Signal Rehabilitation Project
 Systemwide Station Rehabilitation Project
 Systemwide Track Rehabilitation Project

Completed Projects

Jerrold Avenue Bridge Replacement Project
 Narrow Banding Project
 Quint Street Bridge Project
 Rail Grinding Project
 Rail Operation Control System (ROCS) Project
 Real Time Transit Information Project - Predictive Arrival/Departure System (PADS)
 San Bruno Grade Separation Project
 San Francisco Bridge Replacement Project
 San Mateo Bridges Rehabilitation Project
 South Terminal and Santa Clara Stations Improvements Project
 Wayside Power at Diridon Station Project

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 | | |
|---|---------|---------|----------|---------|---------------|---------|----|
| | Q3 FY18 | Q4 FY18 | Q3 FY18 | Q4 FY18 | Q3 FY18 | Q4 FY18 | |
| 25th Ave. Grade Separation Project | | | | | | | 4 |
| Burlingame Broadway Grade Separation Project (Preliminary Design/Environmental Clearance) | | | | | | | 6 |
| F-40 Locomotive Mid-Life Overhaul Project | | | | | | | 8 |
| Grade Crossing Improvement Project – FY2016 | | | | | | | 10 |
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| Inward Facing Cameras on Trains Project | | | | | | | 16 |
| Los Gatos Creek Bridge Replacement Project | | | | | | | 18 |
| Marin Street and Napoleon Avenue Bridge Closure Project | | | | | | | 20 |
| Mary Avenue Traffic Signal Project | | | | | | | 22 |
| MP-36 Locomotive Mid-Life Overhaul Project | | | | | | | 24 |
| Railroad Communications System (SOG) Project - FY2013 & FY2014 | | | | | | | 26 |
| Railroad Communications System Project - FY2017 | | | | | | | 28 |
| Right Of Way Fencing Project | | | | | | | 30 |
| Santa Clara County Grade Crossing Medians Project | | | | | | | 32 |
| South San Francisco Station Improvement Project | | | | | | | 34 |
| South Terminal Phase II Project (Preliminary Design/Environmental Clearance) | | | | | | | 36 |
| Sunnyvale Station Platform Rehabilitation Project | | | | | | | 38 |
| Systemwide Signal System Rehabilitation Project - FY2013 | | | | | | | 40 |
| Systemwide Signal System Rehabilitation Project - FY2016 | | | | | | | 42 |
| Systemwide Signal System Rehabilitation Project - FY2017 | | | | | | | 44 |
| Systemwide Station Improvements Project - FY2016 | | | | | | | 46 |
| Systemwide Track Rehabilitation Project - FY2017 | | | | | | | 48 |
| Upgrade CCF Equipment Room Cooling Project | | | | | | | 50 |



= Project On-Hold



= No Issues



= Notable Issues



= Significant Issues

25th AVENUE GRADE SEPARATION PROJECT

SCOPE



SCHEDULE



BUDGET/COST



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:

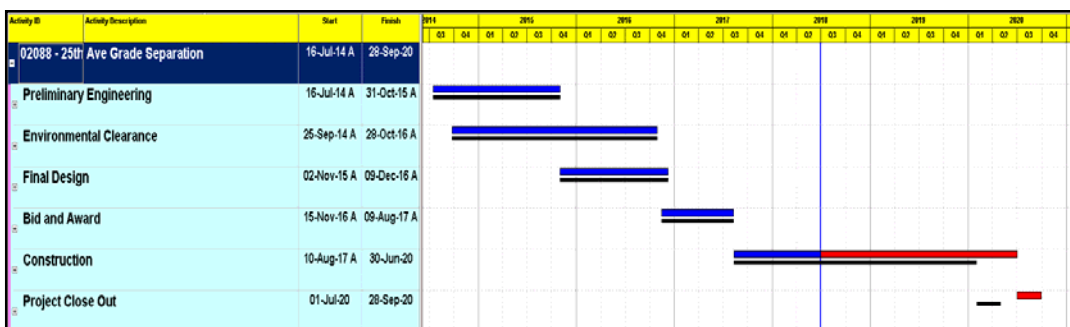
- Grade separating the 25th Avenue at-grade crossing.
- Construction of two new grade separated crossings at 28th and 31st Avenues.
- Perform relocation of the existing Hillsdale Caltrain station. The new station will be an elevated, center-board platform, located south of 28th Avenue.

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:



Issues:

Project schedule has been extended approximately 4 months due to working around Third Party Fiber Optic Cables (TPFOC). Having to re-design the ramp walls, MSE walls, bridges and installing protections around the TPFOC in order to perform contract work.

Progress:

Apr - Jun 2018

- (1) Continued meeting with Stakeholders.
- (2) Continued discussion with property owners.
- (3) Continued order of possession for ROW.
- (4) Completed underground utility potholing.
- (5) Completed pedestrian underpass bridge abutments and center bent.
- (6) Continued 25th Ave bridge abutments and center bent.
- (7) Continued TPFOC protection at 28th Ave for abutment & bent construction.
- (8) Began PG&E 24" gas line relocation work.
- (9) Began 28th Ave excavation to sub-grade work.

Future

Activities:

Jul - Sep 2018

- (1) Continue meeting with Stakeholders.
- (2) Continue 25th Ave bridge abutments and center bent.
- (3) Continue TPFOC protection at 28th Ave for abutment & bent construction.
- (4) Continue PG&E gas line relocation at Delaware St.
- (5) Continue 28th Ave excavation to sub-grade work.
- (6) Begin Fiber Optics relocation.
- (7) Complete PG&E relocation north of 31st ave.
- (8) Begin PG&E relocation south of 31st ave.
- (9) Complete pedestrian underpass superstructure.

Issues:

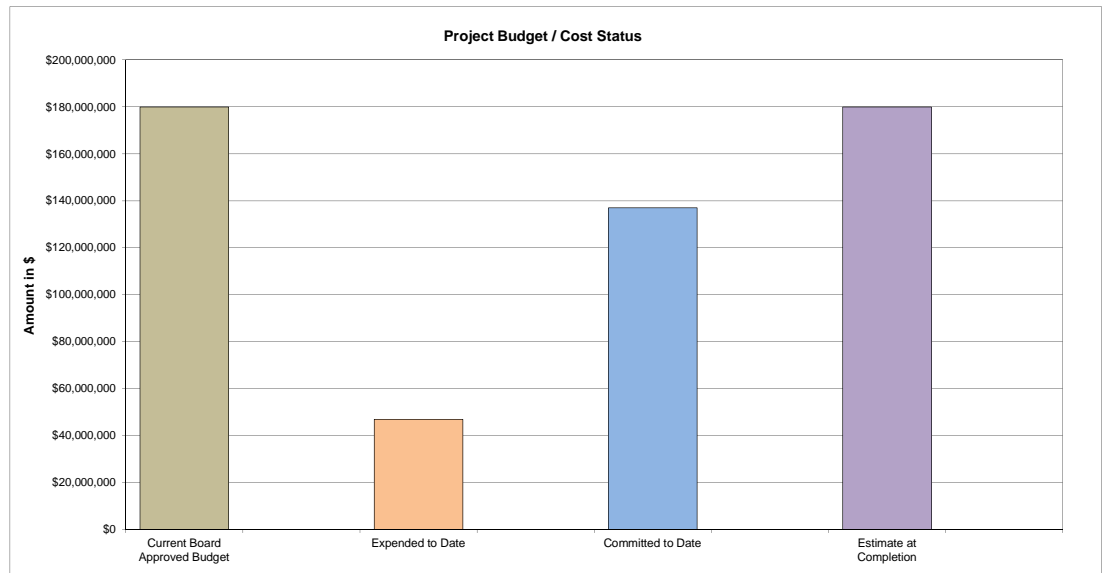
Disputes with UPRR third party fiber optic relocations have caused delays in protecting fiber optic facilities and constructing bridge abutments.

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 | \$46,990,889 | \$137,051,497 | \$180,000,000 | \$0 |



Issues: None.

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

SCOPE



SCHEDULE



BUDGET/COST

**SCOPE:**

The 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 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:

The project scope will advance the design to 35% and environmentally clear the grade separation only.

SCHEDULE:

| Activity ID | Activity Description | Start | Finish | 2018 | | | | | 2019 | | |
|--|----------------------|-------------|-----------|------|----|----|----|----|------|----|----|
| | | | | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 |
| 100244 - Burlingame Broadway Grade Se... | | 18-Dec-17 A | 31-Aug-19 | | | | | | | | |
| Preliminary Engineering | | 18-Dec-17 A | 31-Aug-19 | | | | | | | | |

Progress:

Apr - Jun 2018

- (1) Continue meeting with stakeholders.
- (2) Continue technical studies for environmental clearances.
- (3) Continue working on roadway profiles and lane configuration plans.
- (4) Continued planning for community outreach activities.
- (5) Began coordination with Electrification project regarding redesign to avoid conflict with the grade separation.

Future**Activities:**

Jul - Sep 2018

- (1) Continue meeting with stakeholders.
- (2) Continue technical studies for environmental clearances.
- (3) Continue working on roadway profiles and lane configuration plans.
- (4) Continue planning for community outreach activities.
- (5) Continue coordination with Electrification project regarding redesign of grade separation conflict.

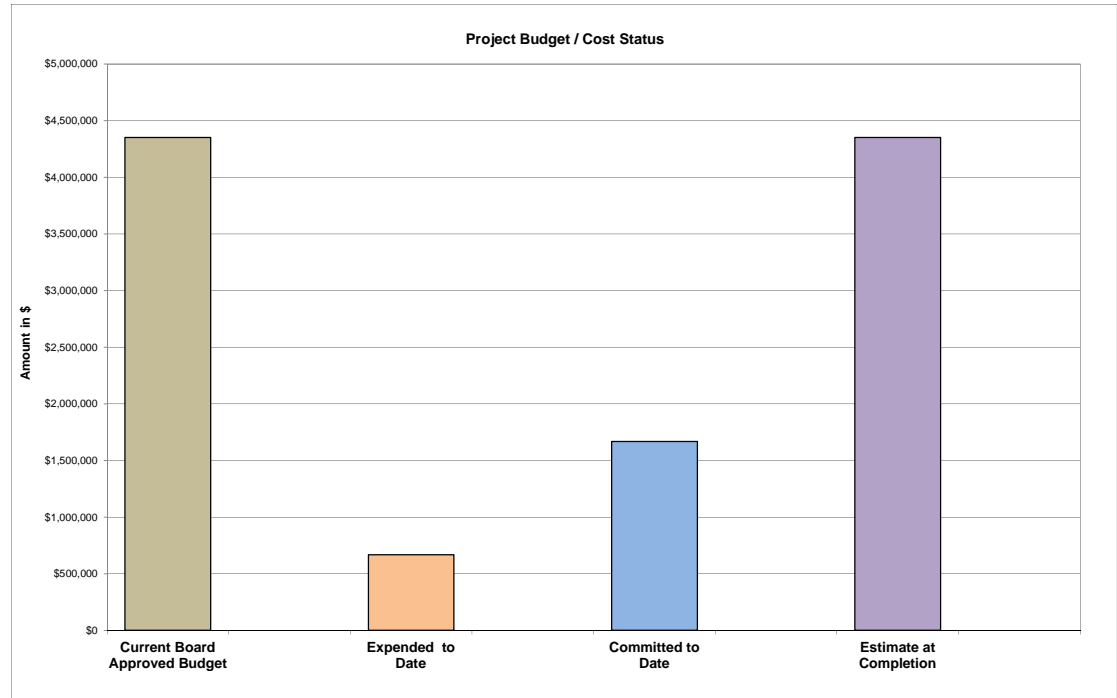
Issues:

Preliminary Design and Environmental clearance have been extended by two months to address the cities comments on profile of proposed roadway underpass.

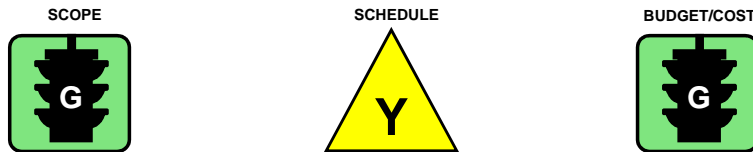
BURLINGAME BROADWAY GRADE SEPARATION PROJECT
(Preliminary Design/Environmental Clearance)

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 | \$4,350,000 | \$667,268 | \$1,665,685 | \$4,350,000 | \$0 |



Issues: None.

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 Description | Start | Finish | 2017 | | | | 2018 | | | | 2019 | | | |
|---------------------------------|----------------------|-------------|-------------|------|----|----|----|------|----|----|----|------|----|----|----|
| | | | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| 100005 - F-40 Mid-Life Overhaul | | 31-Mar-17 A | 31-Oct-19 | | | | | | | | | | | | |
| 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 | 31-Jul-19 | | | | | | | | | | | | |
| Project Close Out | | 01-Aug-19 | 31-Oct-19 | | | | | | | | | | | | |

Progress:

Apr - Jun 2018

- (1) Continued the overhaul of locomotive #920, delivered to Motive Power's facility plant in February 2018.
- (2) Continued the overhaul of locomotive #921, delivered to Motive Power's facility plant in March 2018.

Future Activities:

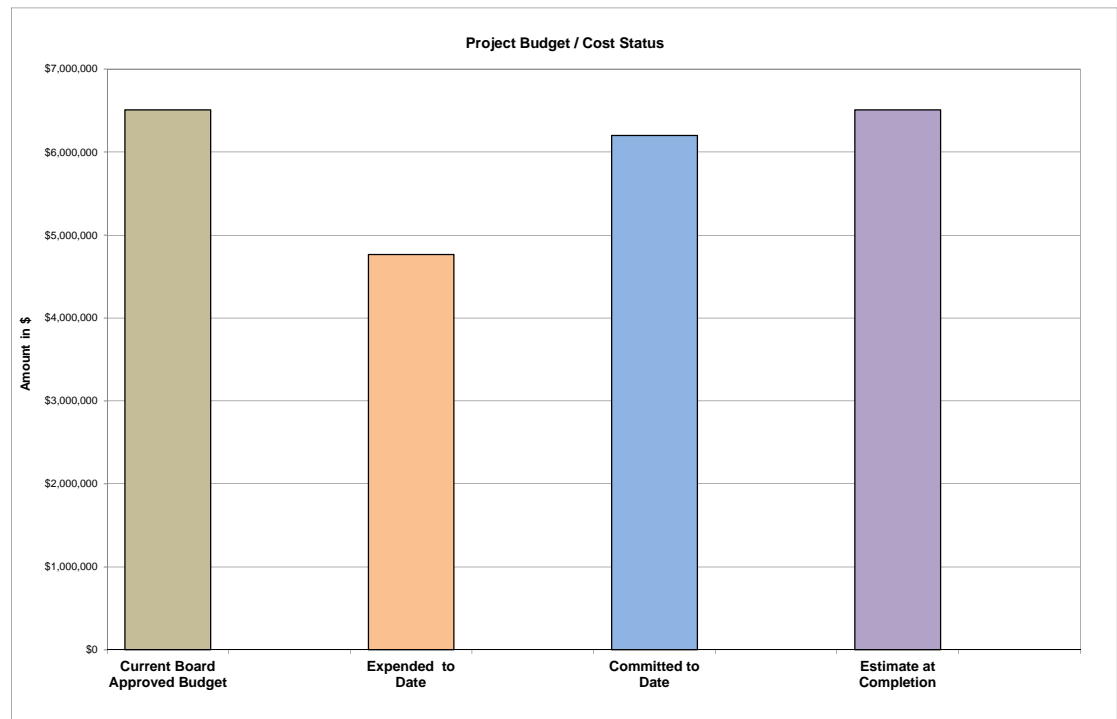
Jul - Sep 2018

- (1) Continue the overhaul of locomotive #920. Return and final acceptance is expected in the Spring of 2019.
- (2) Continue the overhaul of locomotive #921. Return and final acceptance is expected in the Spring of 2019.
- (3) Locomotive #922 is expected to be shipped to contractor's facility in Boise, ID in December 2018.

Issues: Schedule delay is due to resource constraints facing the contractor.

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 | \$4,767,187 | \$6,201,155 | \$6,510,000 | \$0 |



Issues: None.

GRADE CROSSING IMPROVEMENT PROJECT – FY2016

SCOPE



SCHEDULE



BUDGET/COST

**SCOPE:**

This project is the continuation of the Caltrain Grade Crossing Improvement Program. It will take the conceptual design of the following top 10 (out of 42) highest priority crossings identified in the Caltrain Grade Crossing Hazard Analysis Report and advance them to final design. The ten grade crossings were chosen because they had an average daily traffic count of 12,000 vehicles or more, which is considered high usage. Work items included are the installation of signals, fences, gates, curbs, lighting and signs. The existing grade crossing warning devices will be retrofitted to meet the latest California Public Utilities Commission standards.

The ten grade crossing are:

- | | |
|--------------------------------------|----------------------------------|
| 1. Broadway (Burlingame) | 6. Castro Street (Mountain View) |
| 2. Mary Avenue (Sunnyvale) | 7. Peninsula Avenue (Burlingame) |
| 3. Ravenswood Avenue (Menlo Park) | 8. Alma Street (Palo Alto) |
| 4. Rengstorff Avenue (Mountain View) | 9. 16th Street (San Francisco) |
| 5. Charleston Road (Palo Alto) | 10. 4th Street (San Mateo) |

Issues:

Grade Crossing Improvement FY2016 construction contract has been combined with Santa Clara County Grade Crossing Medians Project for administrative efficiency.

SCHEDULE:

| Activity ID | Activity Description | Start | Finish | 2016 | | | | | | | | 2017 | | | | 2018 | | | | 2019 | |
|--|----------------------|-------------|-------------|------|----|----|----|----|----|----|----|------|----|----|----|------|----|----|----|------|--|
| | | | | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | | |
| 100002 - FY2016 Grade Crossing Improvement Pr... | | 01-Sep-16 A | 31-May-19 | | | | | | | | | | | | | | | | | | |
| Final Design | | 01-Sep-16 A | 31-Oct-16 A | | | | | | | | | | | | | | | | | | |
| Bid and Award | | 01-Nov-16 A | 31-Jan-18 A | | | | | | | | | | | | | | | | | | |
| Construction | | 01-Feb-18 A | 28-Feb-19 | | | | | | | | | | | | | | | | | | |
| Project Close Out | | 01-Mar-19 | 31-May-19 | | | | | | | | | | | | | | | | | | |

Progress:

Apr - Jun 2018

- (1) Received and responded to request for information (RFIs) and submittals for contractor.
- (2) Received product submittals from contractor.
- (3) Received baseline schedule from contractor.
- (4) Worked with various cities to obtain permits.
- (5) Received permit from City of Menlo Park and issued NTP to Graniterock.
- (6) Installed median at Alma Street.
- (7) Installed pavement markings and markers at Alma Street.

Future**Activities:**

Jul - Sep 2018

- (1) Work at the other Palo Alto sites (Churchill, E. Meadow, Charleston).

Issues:

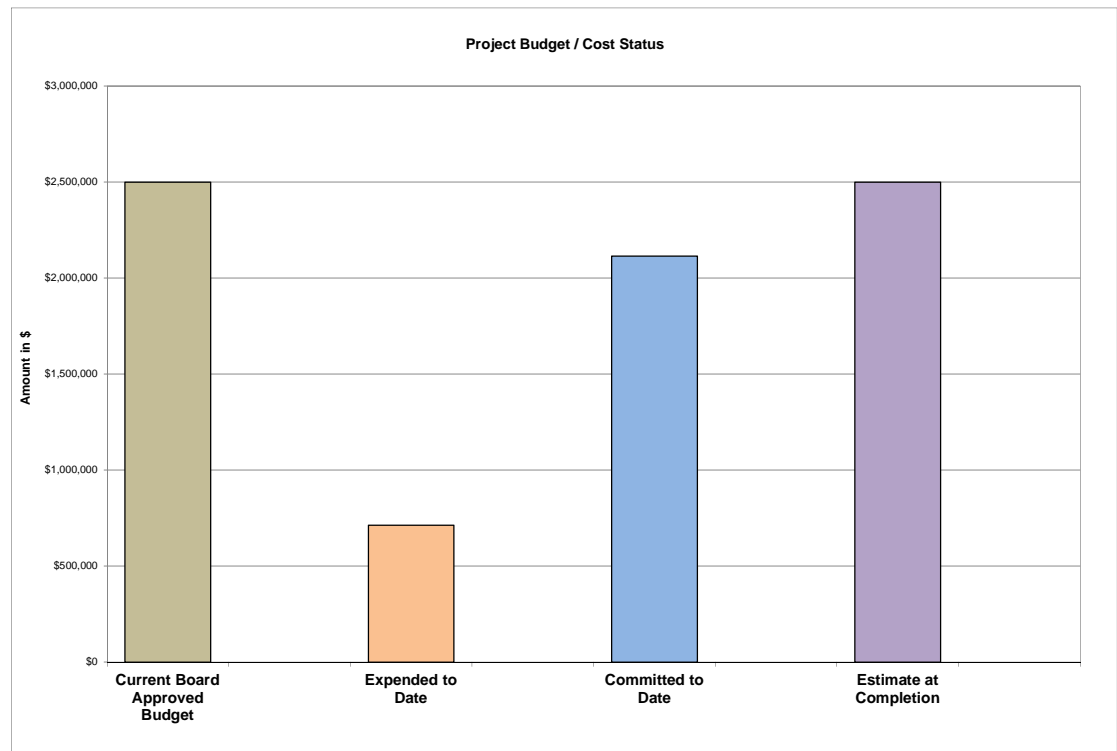
Schedule was re-baselined based on contractor's approved baseline schedule.

GRADE CROSSING IMPROVEMENT PROJECT – FY2016

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 | \$2,499,000 | \$713,588 | \$2,114,835 | \$2,499,000 | \$0 |



Issues: None.

GRADE CROSSING IMPROVEMENTS IN REDWOOD CITY PROJECT

SCOPE



SCHEDULE



BUDGET/COST



SCOPE:



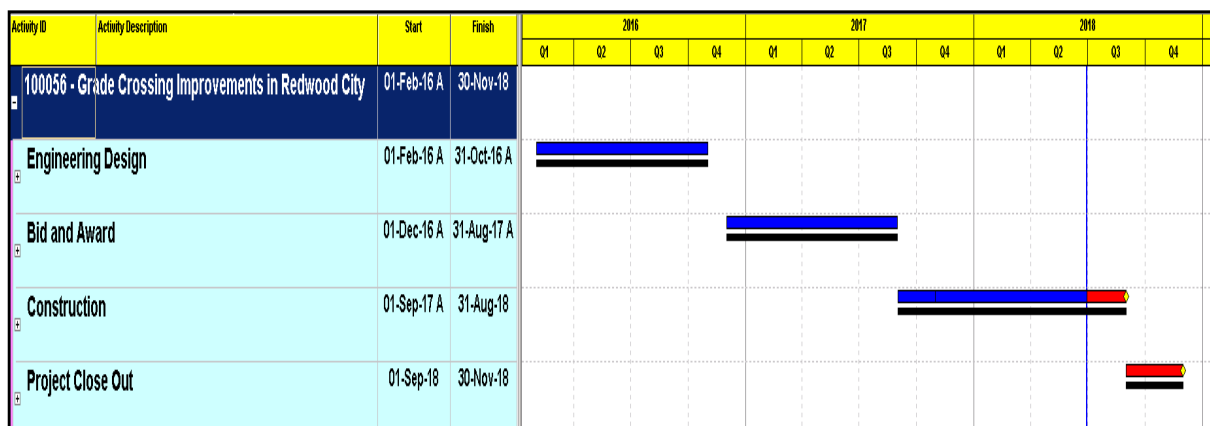
This project will make improvements to three grade crossings (Whipple Ave, Main St. and Broadway) in Redwood City according to the scope defined in the CPUC Section 130 program. The grade crossing improvements will cover railroad, traffic, and roadway safety systems. The design components at each grade crossing include but are not limited to the following:

- Replacing vehicle gate arms
- Channelized pedestrian crossing with fencing & rails
- Improve sidewalk markings
- Improve pavement markings (striping, stop bars, etc.)
- Install standalone pedestrian gates
- Upgrade traffic signal interconnect

Issues:

None.

SCHEDULE:



Progress:

Apr - Jun 2018

- (1) Installed pedestrian gate foundations.
- (2) Pulled signal cables from signal house to the new pedestrian foundations.
- (3) Installed cantilever foundation at Whipple Ave.
- (4) Installed the pedestrian gate mechanisms.
- (5) Installed the vehicle gate at Main Street.
- (6) Installed new signal cantilever and cutover.
- (7) Cutover the new pedestrian gates.
- (8) Installed new emergency swing gates.
- (9) Improved sidewalk and installed new warning tactile.

Future

Activities:

Jul - Sep 2018

- (1) Complete construction.
- (2) Conduct punchlist walk.
- (3) Begin project close out.

Issues:

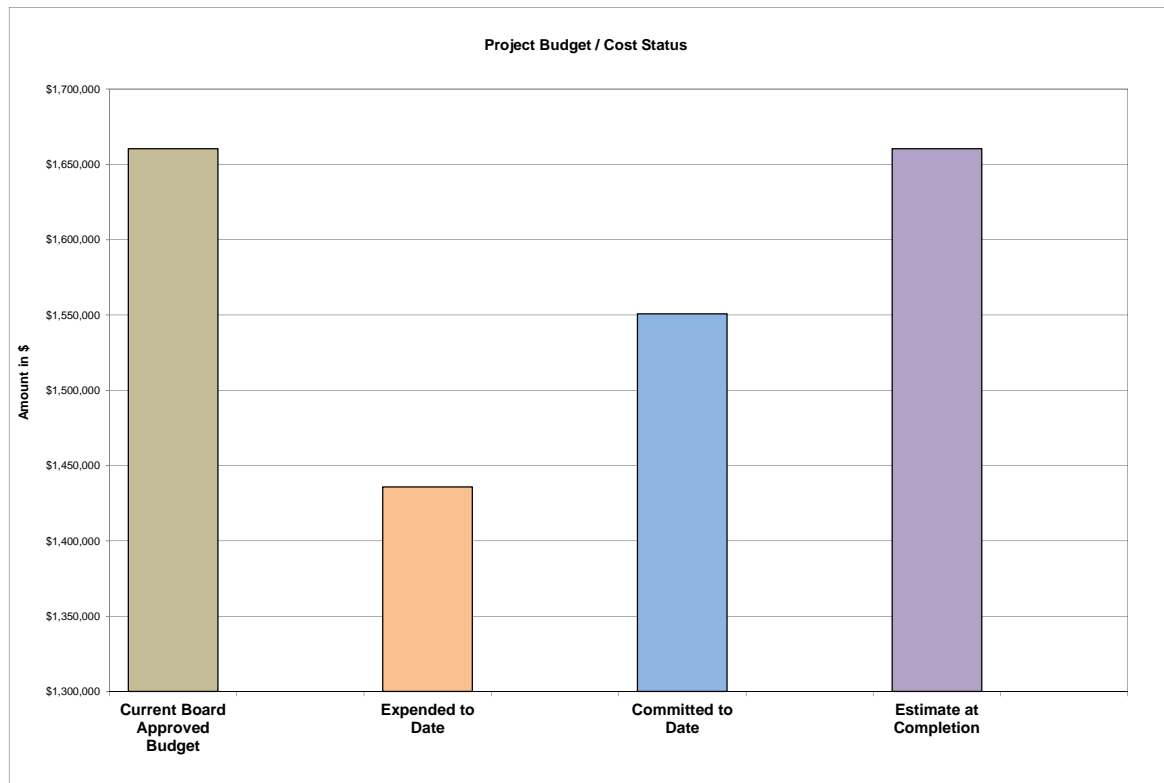
None.

GRADE CROSSING IMPROVEMENTS IN REDWOOD CITY 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 | \$1,660,500 | \$1,435,802 | \$1,550,711 | \$1,660,500 | \$0 |



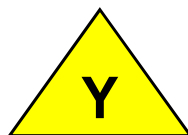
Issues: An additional \$252K of Section 130 funds have been approved and have been included for Current Board Approved Budget this quarter.

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

SCOPE



SCHEDULE



BUDGET/COST

**SCOPE:**

Total project scope includes:

- 1) Coordination with the US Army Corps of Engineers (USACE) and the Santa Clara Valley Water District (SCVWD) regarding their flood control project,
- 2) Replacement of MT1 Bridge in the current location includes:
 - a. Prepare preliminary and Final Design.
 - b. Prepare environmental documents.
 - c. Construct MT1 Bridge.
- 3) Extensions of MT1 and MT2 bridge over widened channel for SCVWD/USACE's flood control project includes:
 - a. Prepare preliminary and 65% Design.
 - b. Prepare environmental documents.

Issues:

Current scope is for preliminary design only. Additional funding to advance the design is included in the FY19 Capital Budget request.

SCHEDULE:

| Activity ID | Activity Description | Start | Finish | 2017 | | 2018 | | | |
|--|----------------------|-------------|-----------|------|----|------|----|----|----|
| | | | | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| 02113 - Guadalupe River Bridge Replacement | | 21-Aug-17 A | 31-Dec-18 | | | | | | |
| Preliminary Engineering | | 21-Aug-17 A | 31-Dec-18 | | | | | | |

Progress:

Apr - Jun 2018

- (1) Continued meeting with Stakeholders.
- (2) Completed ROW records and mapping.
- (3) Continued preparing 35% design submittal.
- (4) Continued coordination of third party fiber relocation.

Future**Activities:**

Jul - Sep 2018

- (1) Continue meeting with Stakeholders.
- (2) Continue 35% design submittal.
- (3) Continue coordination for third party fiber relocation.

Issues:

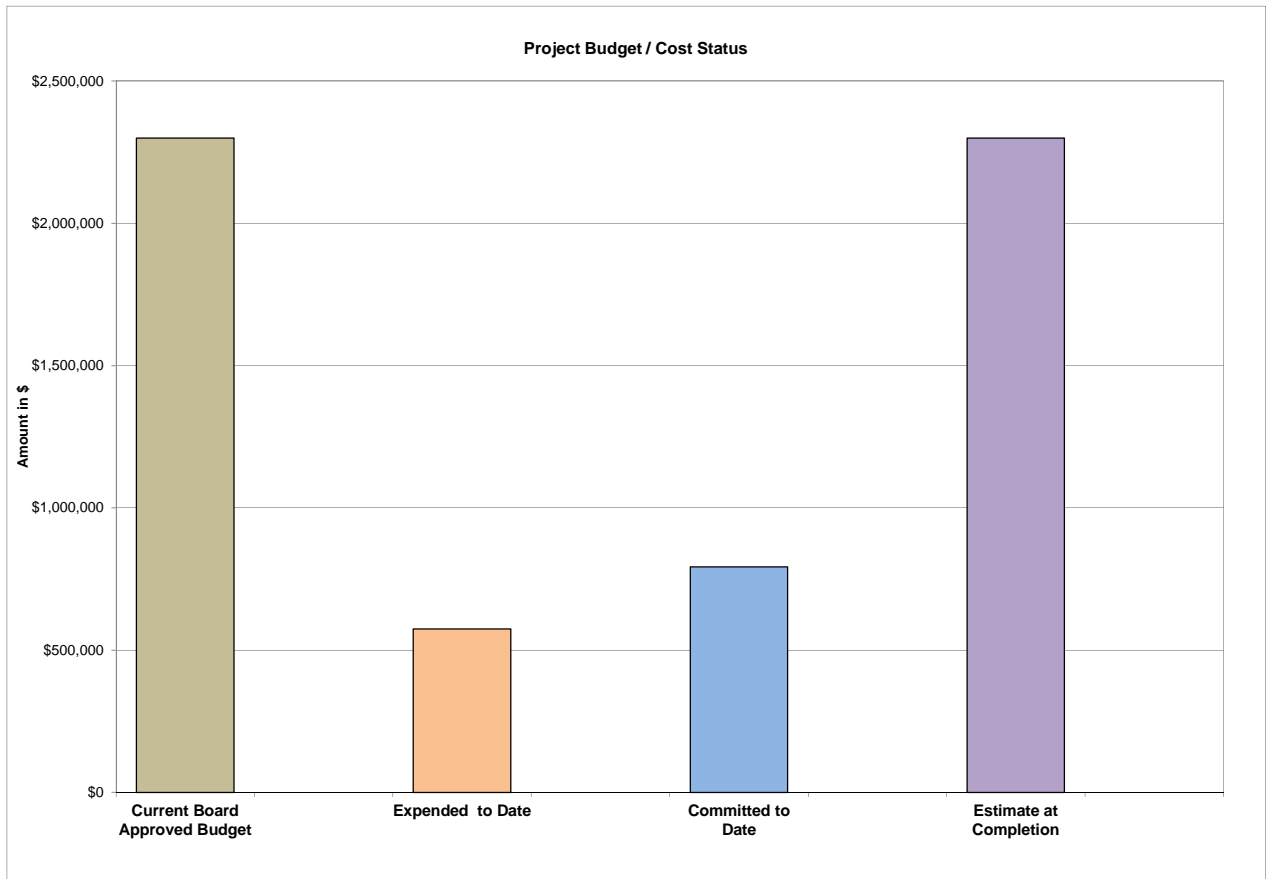
Due to lack of funding contribution from SCVWD/USACE, JPB's 35% design is being revised to deliver the construction in two phases. Phase 1 will reconstruct the MT1 bridge in kind. Phase 2 will extend MT1 and MT2 bridges to accommodate the SCVWD/USACE flood control project.

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 | \$2,300,000 | \$574,948 | \$793,229 | \$2,300,000 | \$0 |



Issues: None.

INWARD FACING CAMERAS ON TRAINS PROJECT

SCOPE



SCHEDULE



BUDGET/COST



SCOPE:



This project will install one inward facing camera and one interior microphone on Caltrain locomotives and cab cars to capture in-cab action during critical incidents based on recent NTSB recommendations. The cameras and microphones will be compatible with the existing system installed in 2013.

In 2013, Caltrain installed outward facing cameras and exterior microphones in its locomotives and cab cars to provide the agency with a tool for post incident investigation. The existing system includes a digital video recorder (DVR) and 500 GB hard drive which can store up to 28 days of video footage.

Issues: None.

SCHEDULE:



| Activity ID | Activity Description | Start | Finish | 2017 | | | | 2018 | | |
|--|----------------------|-------------|-------------|------|----|----|----|------|----|----|
| | | | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 |
| 02148 - Inward Facing Cameras on Train | | 01-Nov-15 A | 31-Jul-18 | | | | | | | |
| Engineering Design | | 01-Nov-15 A | 30-Apr-16 A | | | | | | | |
| Bid and Award | | 01-Mar-17 A | 30-Nov-17 A | | | | | | | |
| Construction | | 10-Dec-17 A | 30-Apr-18 A | | | | | | | |
| Project Close Out | | 01-May-18 A | 31-Jul-18 | | | | | | | |

Progress:

Apr - Jun 2018

- (1) Completed installation of camera equipment in locomotives and cab cars.
- (2) Initiated project close out activities (including system testing and training).

Future

Activities:

Jul - Sep 2018

- (1) Complete project close-out activities.

This will be the last quarterly report for the project.

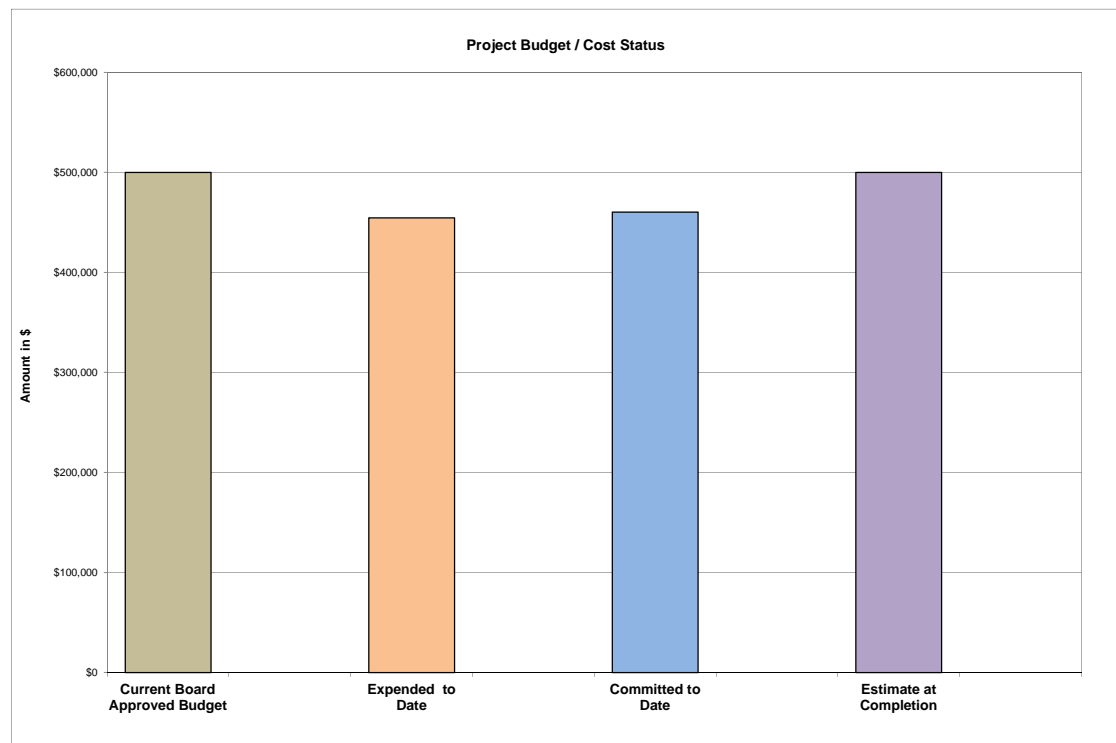
Issues: None.

INWARD FACING CAMERAS ON TRAINS 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 | \$500,000 | \$454,437 | \$460,320 | \$500,000 | \$0 |



Issues: None.

LOS GATOS CREEK BRIDGE REPLACEMENT PROJECT

SCOPE



SCHEDULE



BUDGET/COST



SCOPE:

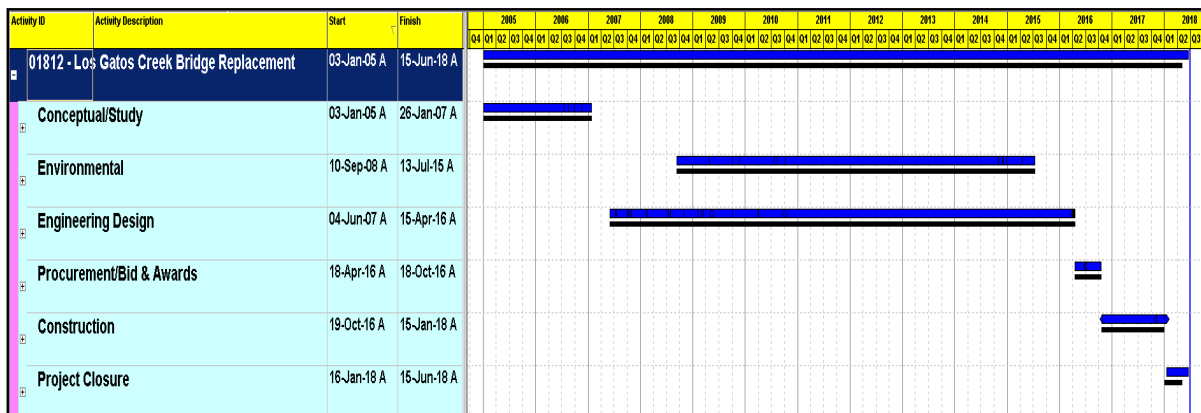


Scope of the Los Gatos Creek Bridge Replacement Project includes: Preliminary Design, Environmental Document, Final Design and Construction for removal and replacement of the existing MT-1 and MT-2 bridges crossing the Los Gatos Creek. As recommended in the PSR, the new replacement structure is to be a pre-stressed / pre-cast concrete bridge with new foundations and a new widened bridge deck that allows construction for a permanent tail track and signal work. The permanent tail track and signal work is being covered under the South Terminal Phase 3 project. Environmental Clearance is obtained through the National Environmental Policy Act (NEPA) and California Environmental Quality Act (CEQA) process.

Issues:

None.

SCHEDULE:



Progress:

Apr - Jun 2018 (1) Completed project close-out.
 (2) Completed processing of final change orders.
 (3) Achieved final acceptance.

Future

Activities:

Jul - Sep 2018 (1) Complete project close-out.

This will be the last quarterly report for this project.

Issues:

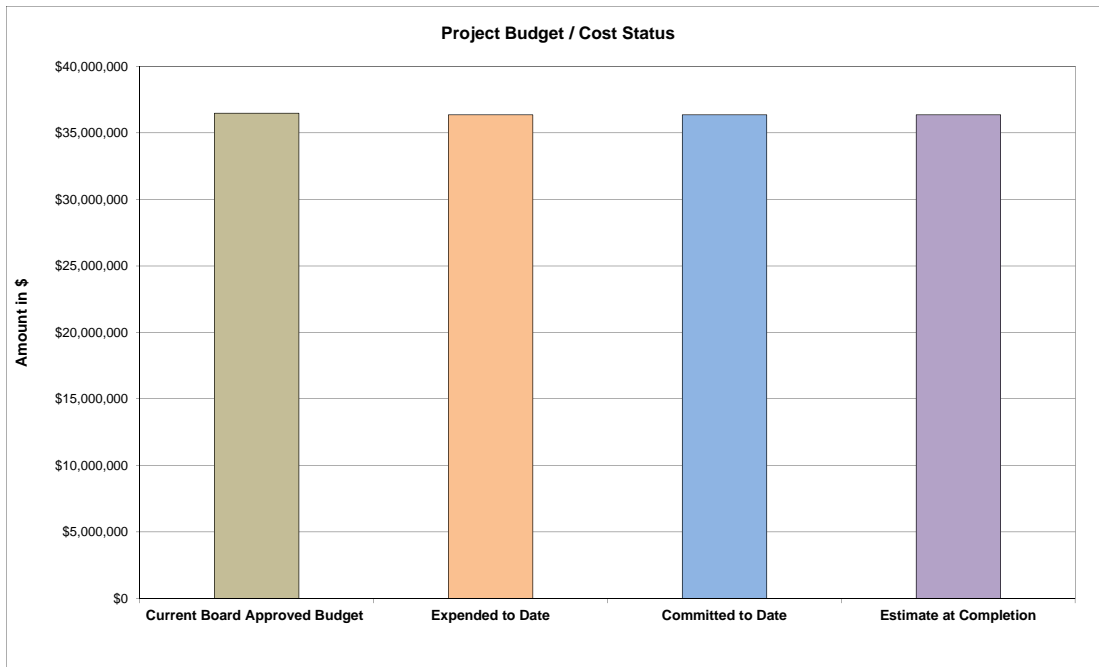
None.

LOS GATOS CREEK BRIDGE REPLACEMENT PROJECT

BUDGET:



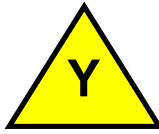
| | (a) | (b) | (c) | (d) | (e) = (a - d) |
|----------------------|-------------------------------|---------------------|---------------------|------------------------|------------------------|
| | Current Board Approved Budget | Expended to Date | Committed to Date | Estimate at Completion | Variance at Completion |
| Total Project | \$36,485,963 | \$36,358,553 | \$36,358,553 | \$36,358,553 | \$127,410 |



Issues: None.

MARIN STREET AND NAPOLEON AVENUE BRIDGE CLOSURE PROJECT

SCOPE



SCHEDULE



BUDGET/COST



SCOPE:



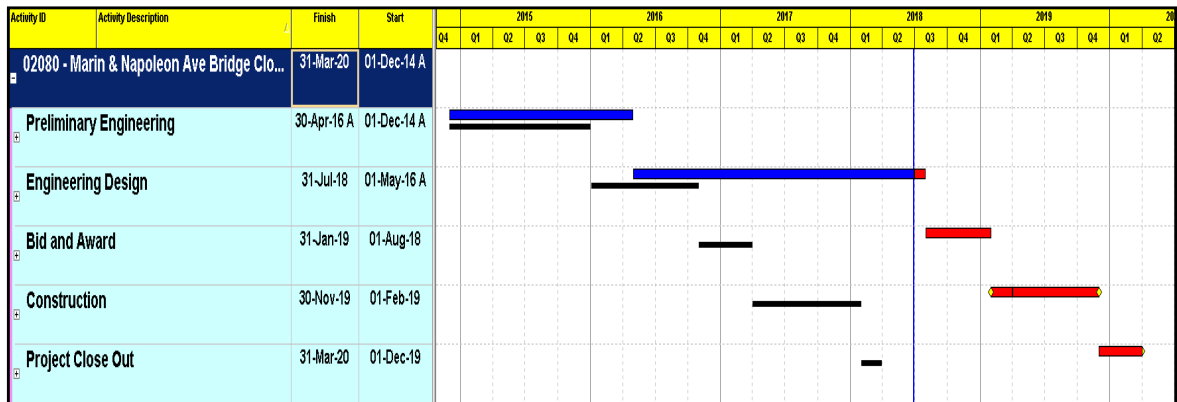
Marin Street and Napoleon Avenue bridges are located at MP 2.35 and MP 2.45 respectively in the City and County of San Francisco. Project Scope is to:

- (1) Improve safety and security, maintain the bridge at a state of good repair, and improve worker safety at Marin Street Bridge.
- (2) At 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.

Issues:

- (1) A decision was made to include Marin Street scope.
- (2) Engineering is currently working to update the scope to include additional trackwork.

SCHEDULE:



Progress:

Apr - Jun 2018

- (1) Continued out-reach to impacted stakeholders such as city and county of San Francisco and Caltrans regarding project.
- (2) Confirmed allowable work windows to include specifications.
- (3) Included Marin street bridge maintenance into construction advertisement package.
- (4) Continued coordination with Electrification project to ensure sufficient on-track safety resources are available.

Future

Activities:

Jul - Sep 2018

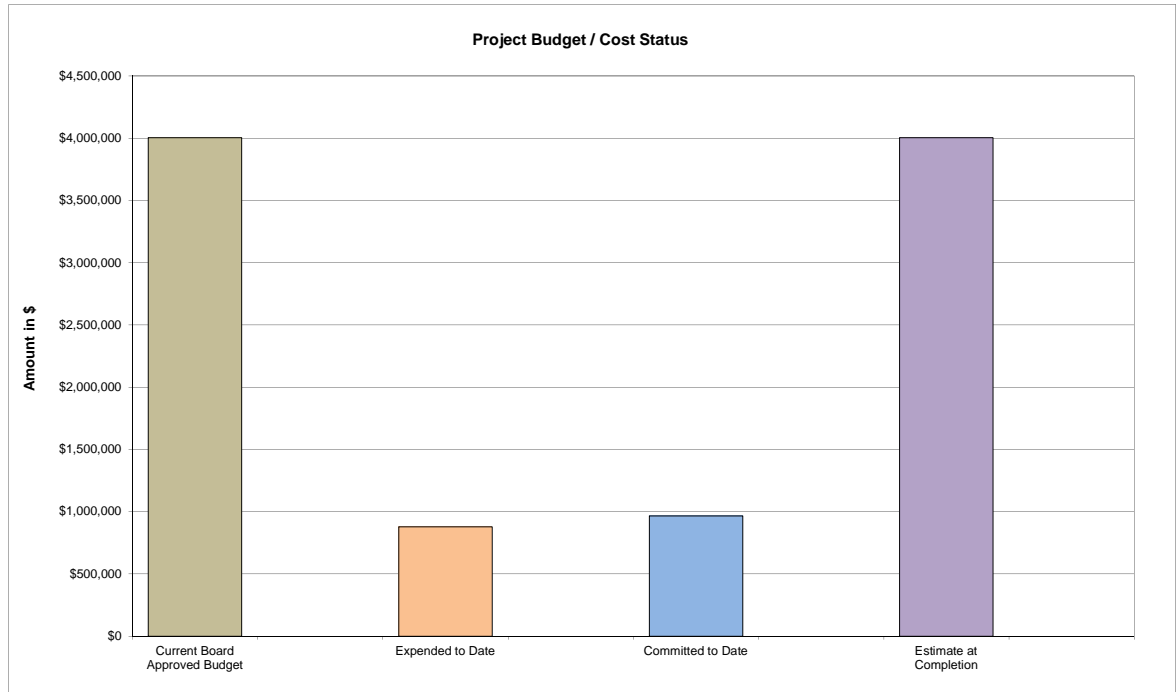
- (1) Continue out-reach to impacted stakeholders such as city and county of San Francisco and Caltrans regarding project.
- (2) Continue developing specifications.
- (3) Address stakeholder's design comments.

Issues:

Design forecast has been extended to include potential additional scope to improve the trackwork adjacent to the project area as requested by JPB Engineering. Project schedule has been extended to begin after Electrification Tunnel Modification project due to resourcing conflicts. Schedule will be rebaselined when we approve contractor's baseline schedule.

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 |
| Total Project | \$4,004,000 | \$878,017 | \$965,018 | \$4,004,000 | \$0 |



Issues: Additional funding of \$540K has been approved in FY2019 Capital Budget and Project EAC has been revised as per latest Project Manager's estimate to allow Marin Bridge Maintenance work items to proceed.

MARY AVENUE TRAFFIC SIGNAL PREEMPTION PROJECT

SCOPE



SCHEDULE



BUDGET/COST



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 Description | Start | Finish | 2018 | | | | 2019 | | | | 2020 | | | | Q1 |
|-------------------------------------|----------------------|-------------|-----------|------|----|----|----|------|----|----|----|------|----|----|----|----|
| | | | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | |
| 100278 - Mary Avenue Traffic Signal | | 01-Feb-18 A | 31-Mar-21 | | | | | | | | | | | | | |
| | Final Design | 01-Feb-18 A | 30-Sep-19 | | | | | | | | | | | | | |
| | Bid and Award | 01-Oct-19 | 31-Mar-20 | | | | | | | | | | | | | |
| | Construction | 01-Apr-20 | 31-Dec-20 | | | | | | | | | | | | | |
| | Project Close Out | 01-Jan-21 | 31-Mar-21 | | | | | | | | | | | | | |

Progress:

Apr - Jun 2018 (1) Continued to work with the City of Sunnyvale on the conceptual design for the advance signal preemption.
 (2) Received the conceptual design from the City of Sunnyvale for the advance signal preemption.
 (3) Continued the development of a request for proposal to solicit a signal designer for the advance signal preemption.

Future

Activities:

Jul - Sep 2018 (1) Continue to work with contracts & procurement for the Request for proposal (RFP) for the advance signal preemption design.

Issues:

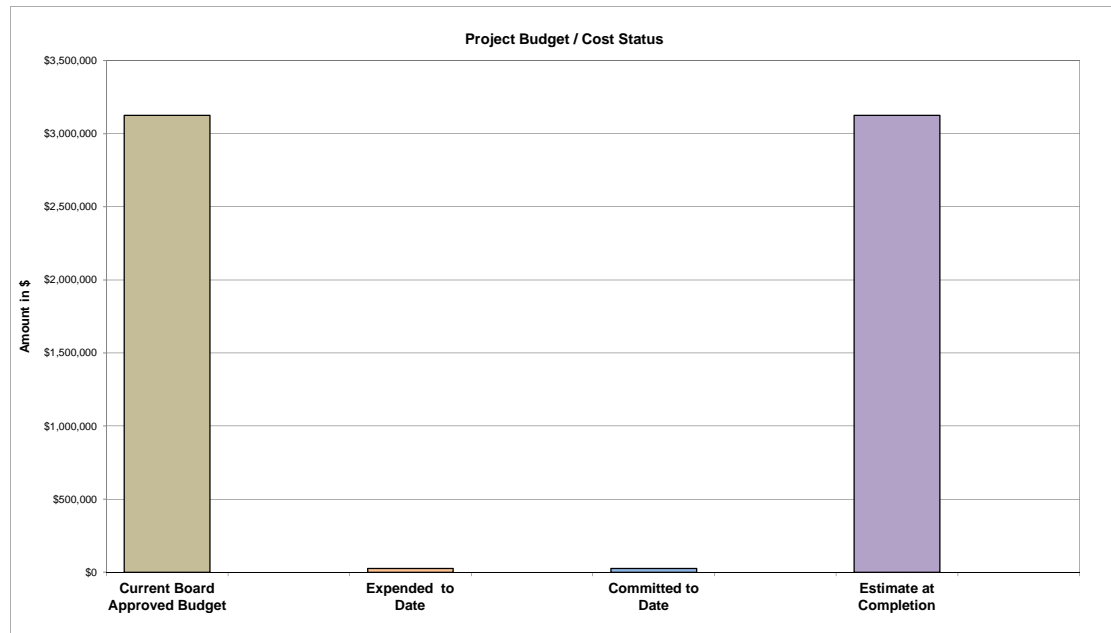
None.

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 | \$25,928 | \$25,928 | \$3,125,000 | \$0 |



Issues: None.

MP-36 LOCOMOTIVE MID-LIFE OVERHAUL PROJECT

SCOPE



SCHEDULE



BUDGET/COST

**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 Description | Start | Finish | 2017 | | | | 2018 | | | | 2019 | | | | 2020 | | | |
|----------------------------------|----------------------|-------------|-------------|------|----|----|----|------|----|----|----|------|----|----|----|------|----|----|--|
| | | | | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | |
| 100218 - MF-36 Mid-Life Overhaul | | 01-Apr-17 A | 31-Dec-20 | | | | | | | | | | | | | | | | |
| Technical Specs | | 01-Apr-17 A | 28-Feb-18 A | | | | | | | | | | | | | | | | |
| Bid and Award | | 01-Mar-18 A | 30-Nov-18 | | | | | | | | | | | | | | | | |
| Construction | | 01-Dec-18 | 30-Sep-20 | | | | | | | | | | | | | | | | |
| Project Close Out | | 01-Oct-20 | 31-Dec-20 | | | | | | | | | | | | | | | | |

Progress:

- Apr - Jun 2018
- (1) Contracts and Procurement (C&P) reviewed technical specification.
 - (2) Advertised Request for Proposal (RFP).
 - (3) Conducted pre-proposal meeting.
 - (2) Responded to potential suppliers' queries.

Future**Activities:**

- Jul - Sep 2018
- (1) Complete responding to potential suppliers' queries.
 - (2) Begin receiving bids.

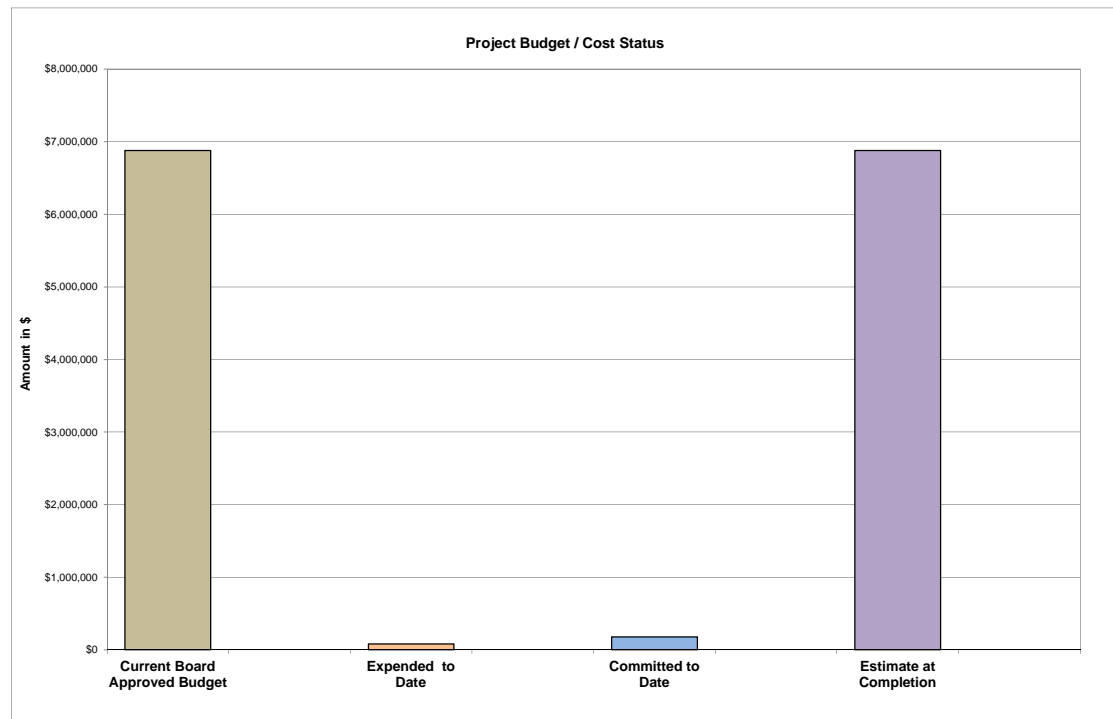
Issues:

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 | \$6,880,614 | \$83,286 | \$177,780 | \$6,880,614 | \$0 |



Issues: None.

RAILROAD COMMUNICATION SYSTEM PROJECT - FY2013/FY2014

SCOPE



SCHEDULE



BUDGET/COST

**SCOPE:**

This project consists of the following tasks for maintenance of the Caltrain's Communication (COM) Systems.

Design tasks:

All tasks related to assessment, design and drawings of railroad communication system. (Complete)

Construction tasks:

Task 1: Install a new radio base station to improve voice radio coverage in the Mountain View and Sunnyvale area. (Complete)

Task 2: Improve voice radio coverage in the Brisbane area. (Complete)

Task 3: Remote reboot capability of channel 5 radio at Monument Peak. (Complete)

Task 4: Implementation of a Communication System for Track Department's Weather Sensors. (Complete)

Task 5: Install monitoring system for operation of the red obstruction light on top of the Central Control Facility (CCF) antenna tower. (Complete)

Issues:

Penta testing of antenna and radio base station in the Mountain View and Sunnyvale area was removed from scope due to contractual issues emanating from the termination of the CBOSS/PTC contract.

SCHEDULE:

| Activity ID | Activity Description | Start | Finish | 2013 | | | | 2014 | | | | 2015 | | | | 2016 | | | | 2017 | | | | 2018 | | |
|-------------|--------------------------------------|-------------|-------------|------|----|----|----|------|----|----|----|------|----|----|----|------|----|----|----|------|----|----|----|------|----|----|
| | | | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 |
| 02026/02090 | Railroad Communications System (...) | 01-May-13 A | 31-Jul-18 | | | | | | | | | | | | | | | | | | | | | | | |
| | Final Design | 01-May-13 A | 15-May-15 A | | | | | | | | | | | | | | | | | | | | | | | |
| | Bid and Award | 29-Jan-16 A | 09-Mar-17 A | | | | | | | | | | | | | | | | | | | | | | | |
| | Construction | 09-Mar-17 A | 15-Apr-18 A | | | | | | | | | | | | | | | | | | | | | | | |
| | Project Close Out | 15-Mar-18 A | 31-Jul-18 | | | | | | | | | | | | | | | | | | | | | | | |

Progress:

Apr - Jun 2018

- (1) Removed testing of the new antenna and radio base station in the Mountain View and Sunnyvale area from contract.
- (2) Processed final invoice. Continued processing release of retention.
- (3) Continue closeout of construction contract.
- (4) Continue closeout of open WDs.

Future**Activities:**

Jul - Sep 2018

- (1) Process release of retention.
- (2) Complete closeout of construction contract.
- (3) Complete closeout of open WDs.

This will be the last quarterly report for the project.

Issues:

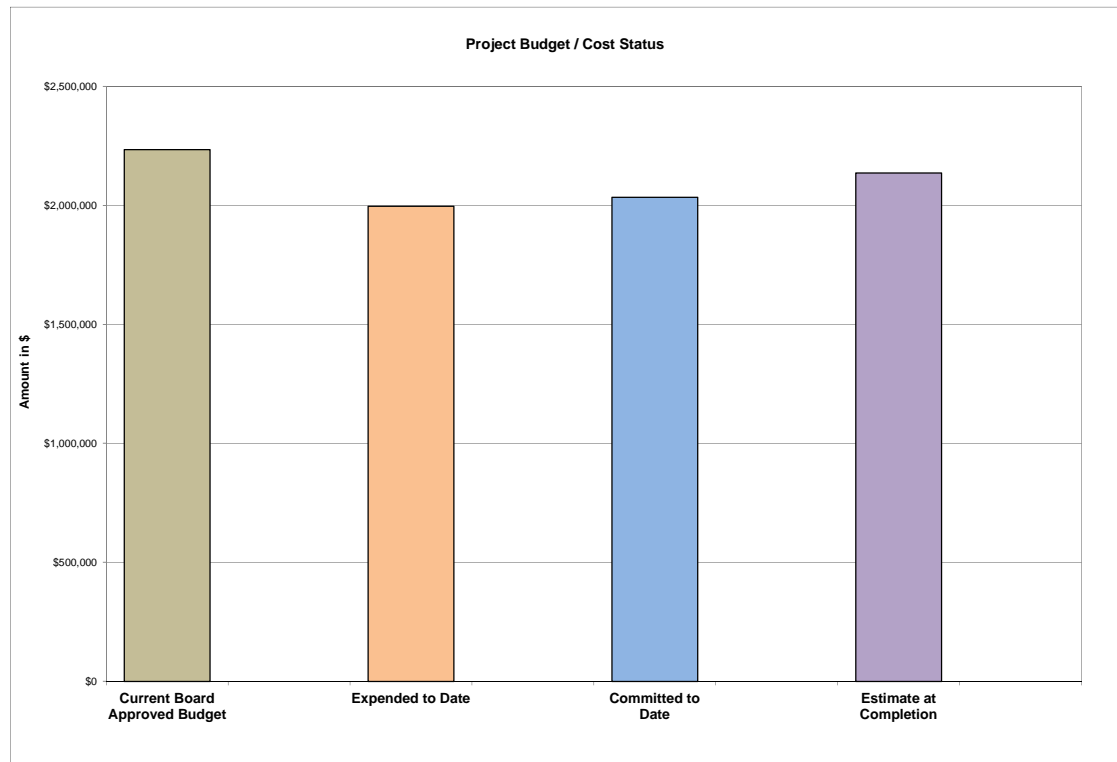
Traffic light was turned to green to reflect completion of construction.

RAILROAD COMMUNICATION SYSTEM PROJECT - FY2013/FY2014

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 | \$2,234,211 | \$1,996,600 | \$2,033,430 | \$2,135,640 | \$98,571 |



Issues: None.

RAILROAD COMMUNICATION SYSTEM PROJECT - FY2017

SCOPE



SCHEDULE



BUDGET/COST

**SCOPE:**

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

- Task 1: Upgrade UPS system at CCF.
- Task 2: Upgrade high priority Control Points (CPs) with generator plugs.
- Task 3: Enhance radio coverage around CP Lick area.
- Task 4: Update voice radio communications path between Sign Hill and San Bruno Mountain.
- Task 5: Software Configuration Management Study and Implementation.

Issues:

The current scope is for design only.

SCHEDULE:

| Activity ID | Activity Description | Start | Finish | 2018 | | | | 2019 | | | | | |
|---|----------------------|-------------|-----------|------|----|----|----|------|----|----|----|----|----|
| | | | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 |
| 100147 - FY2017 Railroad Communication SOGR | | 31-Mar-18 A | 30-Apr-20 | | | | | | | | | | |
| Final Design | | 31-Mar-18 A | 31-Dec-18 | | | | | | | | | | |
| Bid and Award | | 01-Jan-19 | 30-Jun-19 | | | | | | | | | | |
| Construction | | 01-Jul-19 | 31-Jan-20 | | | | | | | | | | |
| Project Close Out | | 01-Feb-20 | 30-Apr-20 | | | | | | | | | | |

Progress:

Apr - Jun 2018 (1) Drafted & submitted Work Directive Proposal (WDPR) & Independent Cost Estimate (ICE) for design.

Future**Activities:**

Jul - Sep 2018 (1) Receive proposals from potential vendors.
(2) Initiate award for design work.

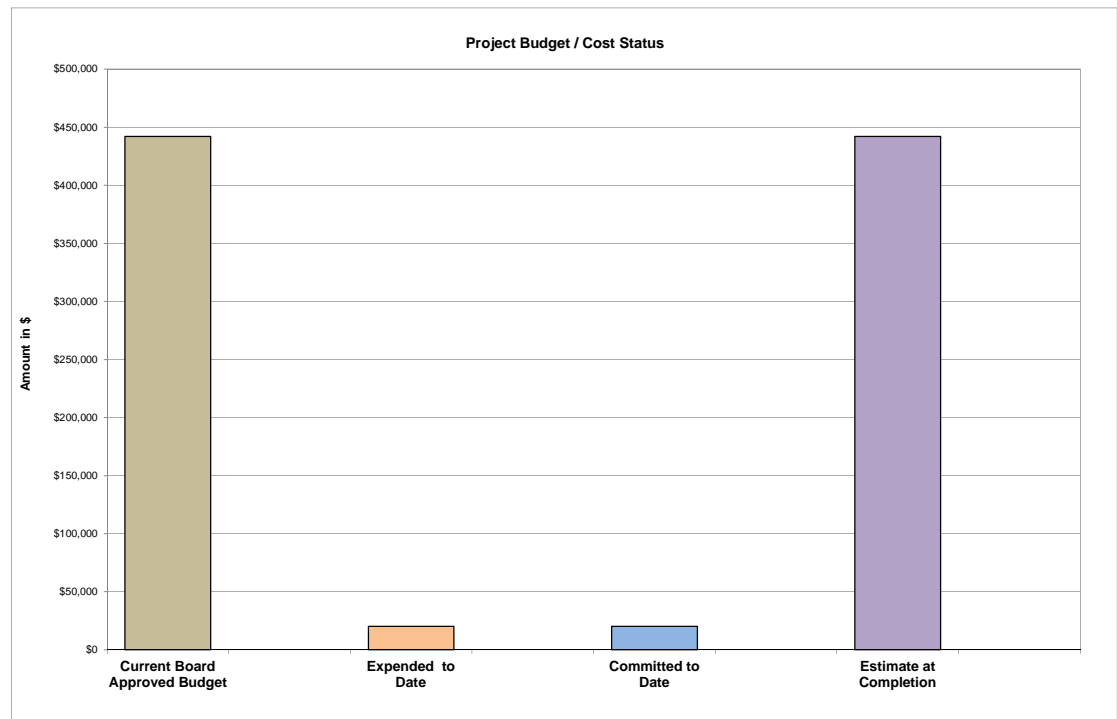
Issues:

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 | \$20,363 | \$20,363 | \$442,000 | \$0 |



Issues: Current funding is for design only.

RIGHT OF WAY FENCING PROJECT

SCOPE



SCHEDULE



BUDGET/COST

**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.

Issues:

The current scope is for the base contract and option 1 only.

SCHEDULE:

| Activity ID | Activity Description | Start | Finish | 2016 | | | 2017 | | | | 2018 | | | | 2019 | | |
|---------------------------------------|----------------------|-------------|-------------|------|----|----|------|----|----|----|------|----|----|----|------|----|----|
| | | | | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 |
| 100053 - Right of Way Fencing Project | | 02-Jun-16 A | 15-Jul-19 | | | | | | | | | | | | | | |
| Construction (Base) | | 02-Jun-16 A | 31-Mar-18 A | | | | | | | | | | | | | | |
| Construction (Option 1) | | 16-Apr-18 A | 15-Apr-19 | | | | | | | | | | | | | | |
| Project Close Out | | 15-Apr-19 | 15-Jul-19 | | | | | | | | | | | | | | |

Progress:

Apr - Jun 2018

- (1) Issued NTP for option 1.
- (2) Began option 1 fencing work.

Future**Activities:**

Jul - Sep 2018

- (1) Continue option 1 fencing work.

Issues:

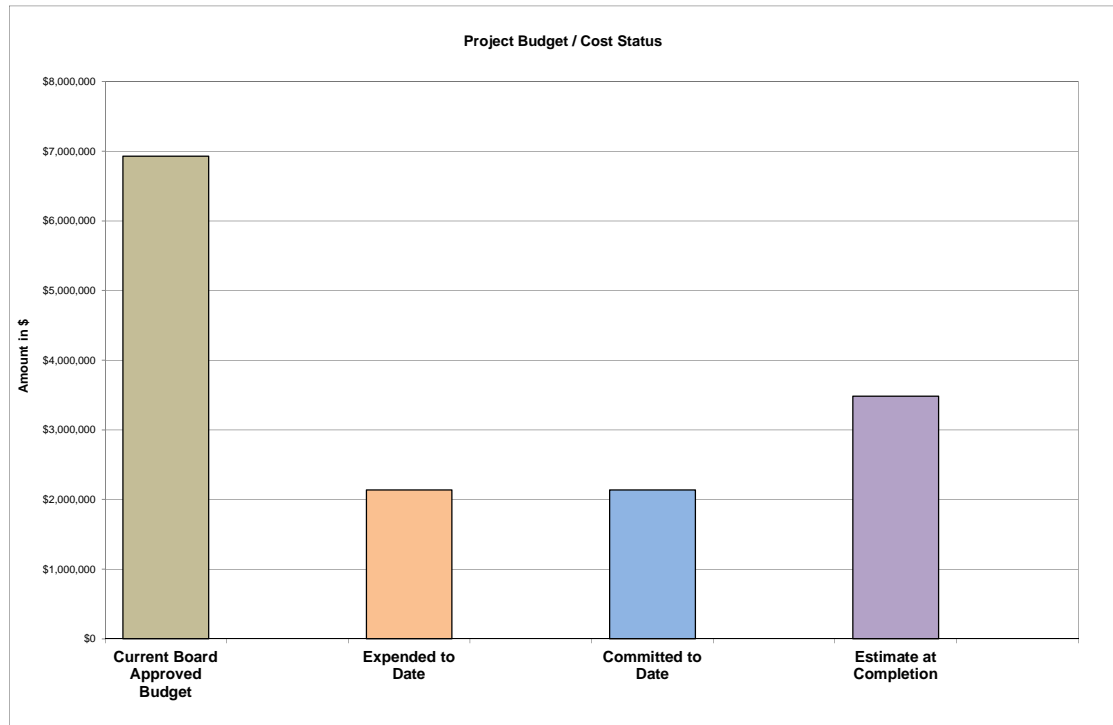
Schedule dates are for the base contract and option 1 only. The schedule was rebaselined and traffic light turned to green to reflect the execution and commencement of the work under Option 1.

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 | \$6,927,958 | \$2,139,240 | \$2,139,240 | \$3,481,026 | \$3,446,932 |



Issues: Current Board approved budget reflects total authorized budget through option 3. The committed and estimate at completion currently reflect the base contract and option 1. As options are executed these values will be revised.

SANTA CLARA COUNTY GRADE CROSSING MEDIANS PROJECT

SCOPE



SCHEDULE



BUDGET/COST

**SCOPE:**

This project will install medians at six grade crossings in Santa Clara County (MP 31 to MP 49) including Churchill Avenue, East Meadow Avenue, Charleston Road, Sunnyvale Avenue, Auzerias Avenue and Virginia Street.

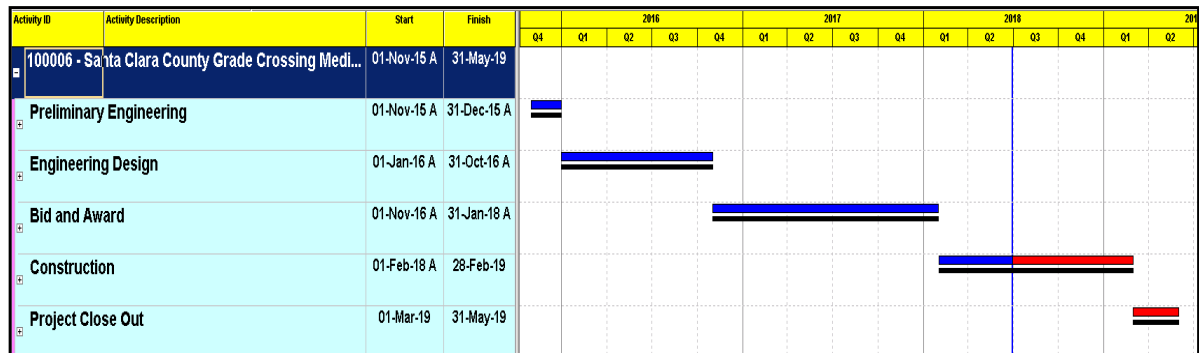
The project will be conducted in two phases:

PHASE I: will analyze the feasibility of installing medians (or other means to prevent vehicles from crossing the railroad tracks when the crossing gates are down) at the grade crossings identified above in Santa Clara County. Investigate items needed to install safety medians at the grade crossings.

PHASE II: will incorporate the recommendations of Phase I, refine the project schedule & estimate and develop associated construction documents for installation.

Issues:

Santa Clara County Grade Crossing Medians construction contract has been combined with Grade Crossing Improvement Project – FY2016 for administrative efficiency.

SCHEDULE:**Progress:**

Apr - Jun 2018

- (1) Received and responded to request for information (RFIs) and submittals for contractor.
- (2) Received product submittals from contractor.
- (3) Received baseline schedule from contractor.
- (4) Worked with various cities to obtain permits.
- (5) Received permit from City of Menlo Park and issued NTP to Graniterock.
- (6) Installed median at Alma Street.
- (7) Installed pavement markings and markers at Alma Street.

Future**Activities:**

Jul - Sep 2018 (1) Work at the other Palo Alto sites (Churchill, E. Meadow, Charleston).

Issues:

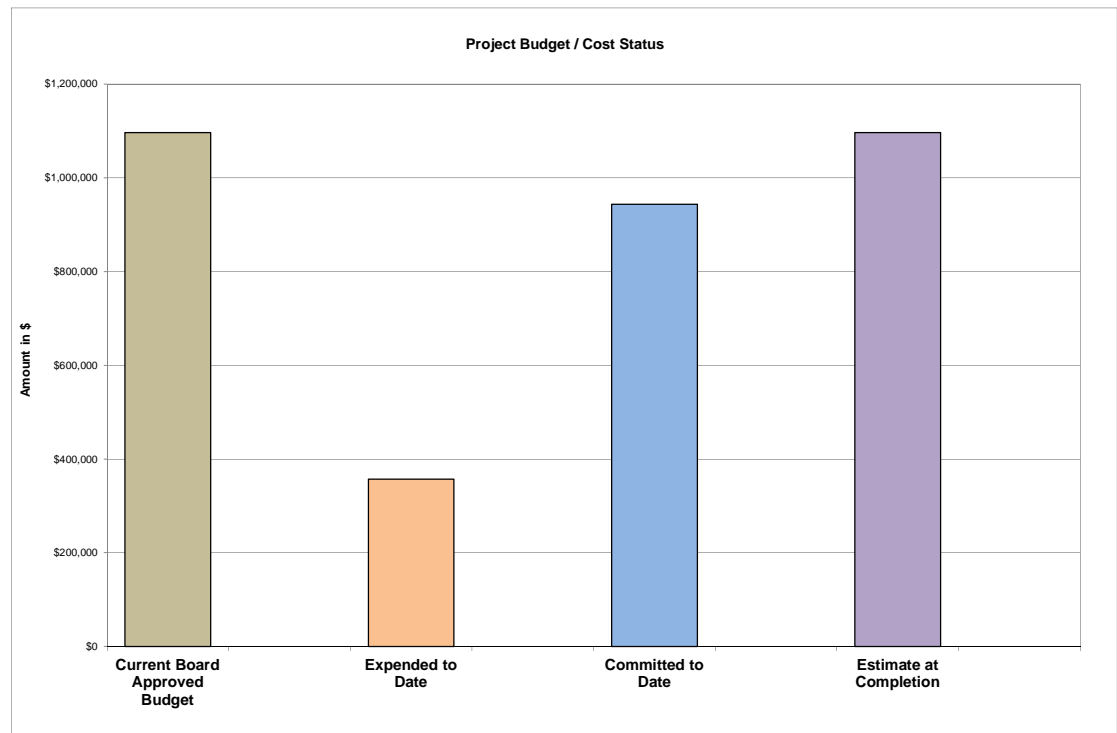
Schedule was re-baselined based on contractor's approved baseline schedule.

SANTA CLARA COUNTY GRADE CROSSING MEDIANS 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 | \$1,097,000 | \$356,787 | \$943,754 | \$1,097,000 | \$0 |



Issues: None.

SOUTH SAN FRANCISCO STATION IMPROVEMENT PROJECT

SCOPE



SCHEDULE



BUDGET/COST



SCOPE:



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 Description | Start | Finish | 2015 | | | | 2016 | | | | 2017 | | | | 2018 | | | | 2019 | | | | 2020 | | | | |
|---|----------------------|-------------|-------------|------|----|----|----|------|----|----|----|------|----|----|----|------|----|----|----|------|----|----|----|------|----|----|----|----|
| | | | | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| 02146 - South San Francisco Improvement Project | | 01-Apr-15 A | 30-Jun-20 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | 29-Feb-20 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Close Out | | 01-Mar-20 | 30-Jun-20 | | | | | | | | | | | | | | | | | | | | | | | | | |

Progress:

Apr - Jun 2018

- (1) Obtained encroachment permit for utility relocation from Caltrans.
- (2) Continued coordination with third party utilities that need to be relocated.
- (3) Continued coordination with electrification on site access for Traction Power Substation (TPSS) construction.
- (4) Completed both Mainline Shooflies.
- (5) Owner furnished special trackwork was received.
- (6) Continued with Caltrain fiber relocation.
- (7) Began excavation for parking lot retaining wall.
- (8) Began west platform construction.

Future

Activities:

Jul - Sep 2018

- (1) Continue coordination with remaining third party utilities that need to be relocated.
- (2) Continue coordination with electrification on site access for TPSS construction.
- (3) Continue west platform construction.
- (4) Continue Caltrain fiber relocation.
- (5) Develop options for resequencing construction activities due to delayed utility relocations.
- (6) Request early start for Poletti Street Improvement from Caltrans.

Issues:

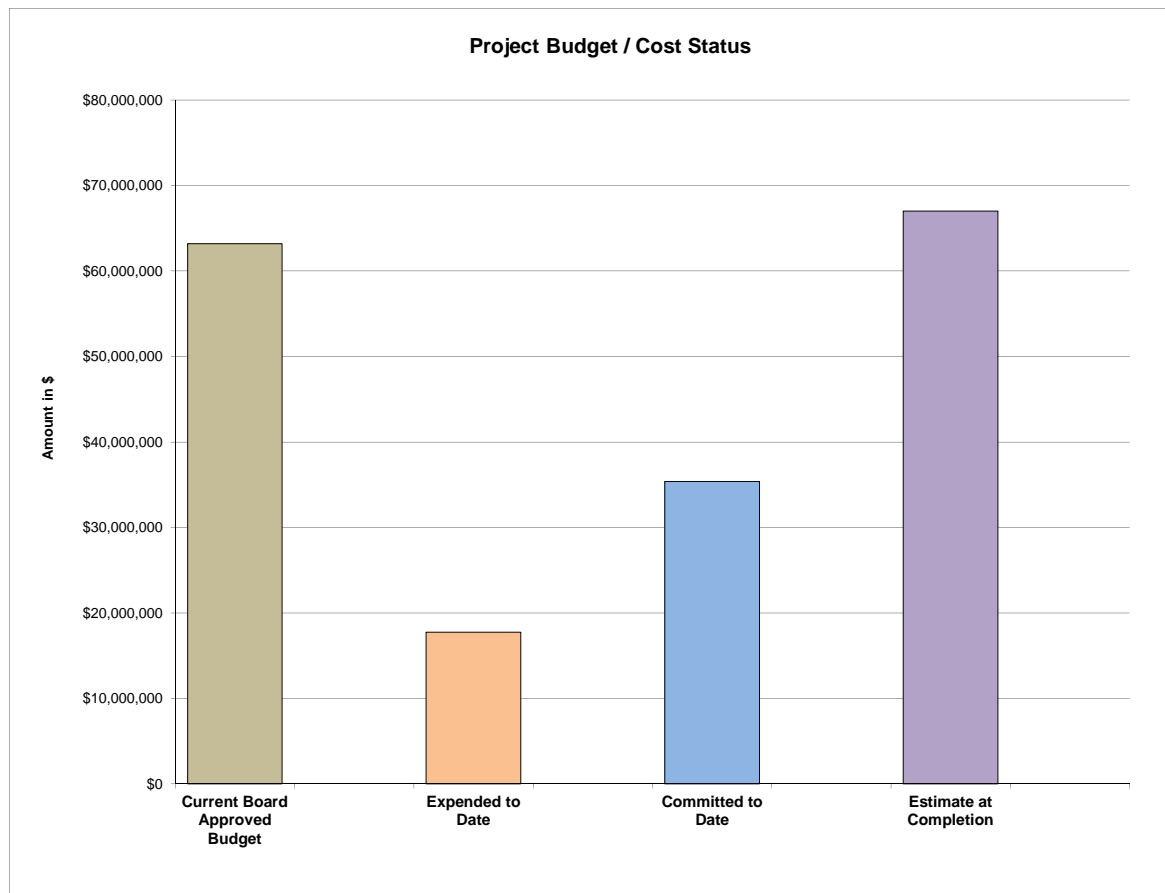
Based on Caltrain's assessment of resequencing, project construction completion is projected to be February 2020. Delay is due to late utility relocation due to length of time to secure Caltrans Utility Relocation Permit.

SOUTH SAN FRANCISCO STATION IMPROVEMENT PROJECT

BUDGET:



| | Current Board Approved Budget | Expended to Date | Committed to Date | Estimate at Completion | Variance at Completion |
|----------------------|-------------------------------|---------------------|---------------------|------------------------|------------------------|
| Project Total | \$63,200,000 | \$17,728,194 | \$35,389,177 | \$67,000,000 | (\$3,800,000) |



Issues:

(1) Project EAC has been increased by \$3.8M this month as per the latest Project Manager's analysis. This is due to late 3rd party utility relocations which impacted the construction schedule and overall project cost.

SOUTH TERMINAL PHASE II PROJECT (Preliminary Design/Environmental Clearance)

SCOPE



SCHEDULE



BUDGET/COST

**SCOPE:**

This project will include planning, design and construction of a 4th mainline track, new signal controls, and new cross overs and slip switches, between the south end of Centralized Equipment Maintenance and Operation Facility (CEMOF) and the north end of the South Terminal Diridon Station.

The purpose of this additional track is to increase corridor flexibility and capacity, increase reliability of service which will allow more frequent non-revenue operations between the South Terminal and CEMOF.

Issues:

Current scope is for Preliminary Engineering in support of obtaining environmental clearance.

SCHEDULE:

| Activity ID | Activity Description | Start | Finish | 2015 | | | | 2016 | | | | 2017 | | | | 2018 | | | |
|----------------------------------|----------------------|-------------|-----------|------|----|----|----|------|----|----|----|------|----|----|----|------|----|----|----|
| | | | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| 002055 - South Terminal Phase II | | 02-Feb-15 A | 31-Aug-18 | | | | | | | | | | | | | | | | |
| Preliminary Engineering | | 02-Feb-15 A | 31-Aug-18 | | | | | | | | | | | | | | | | |

Progress:

Apr - Jun 2018

- (1) Awaiting NEPA clearance.
- (2) Working with FTA to get State Historic Preservation Officer (SHPO) review/feedback.

Future**Activities:**

Jul - Sep 2018

- (1) Await NEPA clearance.
- (2) Receive the SHPO feedback, FTA/SHPO will initiate consultation to determine need for a Programmatic Agreement (PA). FTA will communicate to JPB when SHPO has made a determination on the PA.

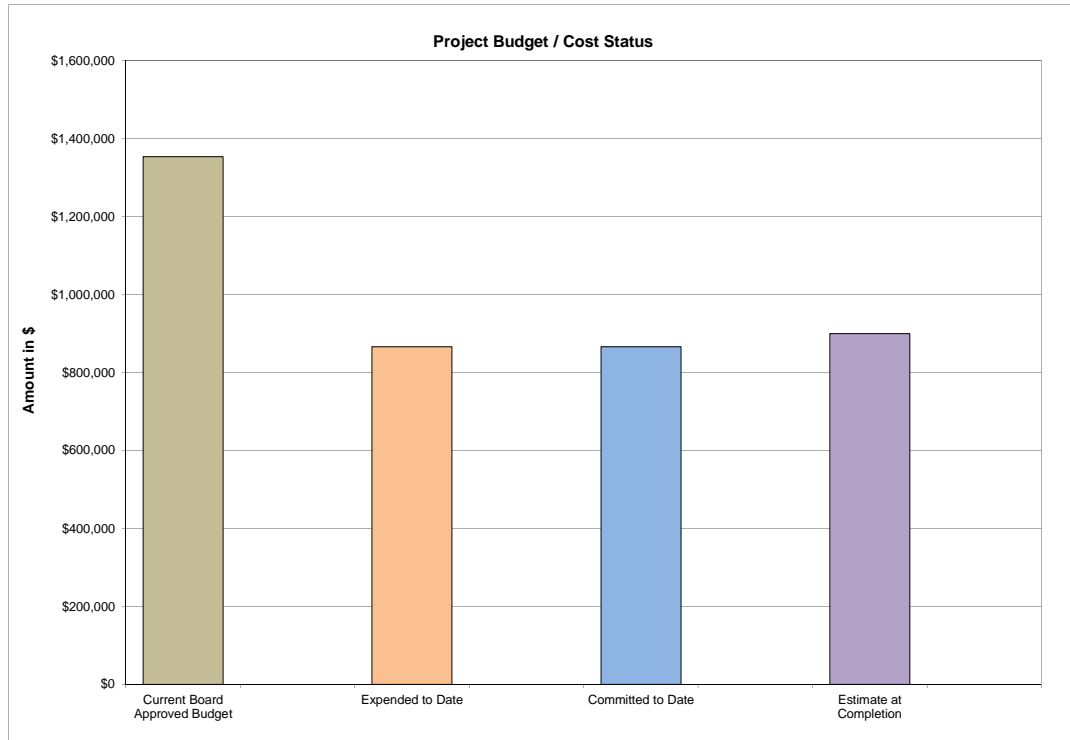
Issues:

Preliminary Engineering has been extended to reflect the additional time to acquire NEPA clearance based on new questions raised by the FTA and requirements from FTA for a Caltrain/SHPO programmatic agreement.

SOUTH TERMINAL PHASE II 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 | \$1,353,236 | \$866,030 | \$866,030 | \$900,000 | \$453,236 |



Issues: None.

SUNNYVALE STATION PLATFORM REHABILITATION PROJECT

SCOPE



SCHEDULE



BUDGET/COST



SCOPE:



This project will reconstruct a portion of both existing platforms at Sunnyvale Station. Due to differential settlement the pavers used in the original construction are creating multiple tripping hazards. The reconstruction will remove the existing pavers, backfill and prepare the subgrade, insert #4 rebar into the existing concrete slabs and place new tinted concrete that will be stamped with a smooth finish similar to what was done at the Burlingame Station.

Issues:

None.

SCHEDULE:



| Activity ID | Activity Description | Start | Finish | 2017 | | | | | | | | 2018 | | | | |
|--|----------------------|-------------|-------------|------|----|----|----|----|----|----|----|------|----|----|--|--|
| | | | | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | | |
| 02149 - Sunnyvale Station Platform Rehab | | 01-Aug-16 A | 31-Jan-19 | | | | | | | | | | | | | |
| Final Design | | 01-Aug-16 A | 30-Nov-16 A | | | | | | | | | | | | | |
| Bid and Award | | 01-Dec-16 A | 30-Sep-17 A | | | | | | | | | | | | | |
| Construction | | 01-Oct-17 A | 31-Oct-18 | | | | | | | | | | | | | |
| Project Close Out | | 01-Nov-18 | 31-Jan-19 | | | | | | | | | | | | | |

Progress:

Apr - Jun 2018

- (1) Construction was temporarily suspended to address additional grounding requirements for the Electrification project.
- (2) Resumed construction.
- (2) Installed grounding and bonding for phase 1.
- (3) Poured concrete bands in Phase 1.

Future

Activities:

Jul - Sep 2018

- (1) Form and pour colored concrete and complete phase 1 of construction.
- (2) Began phase 3 of construction.

Issues:

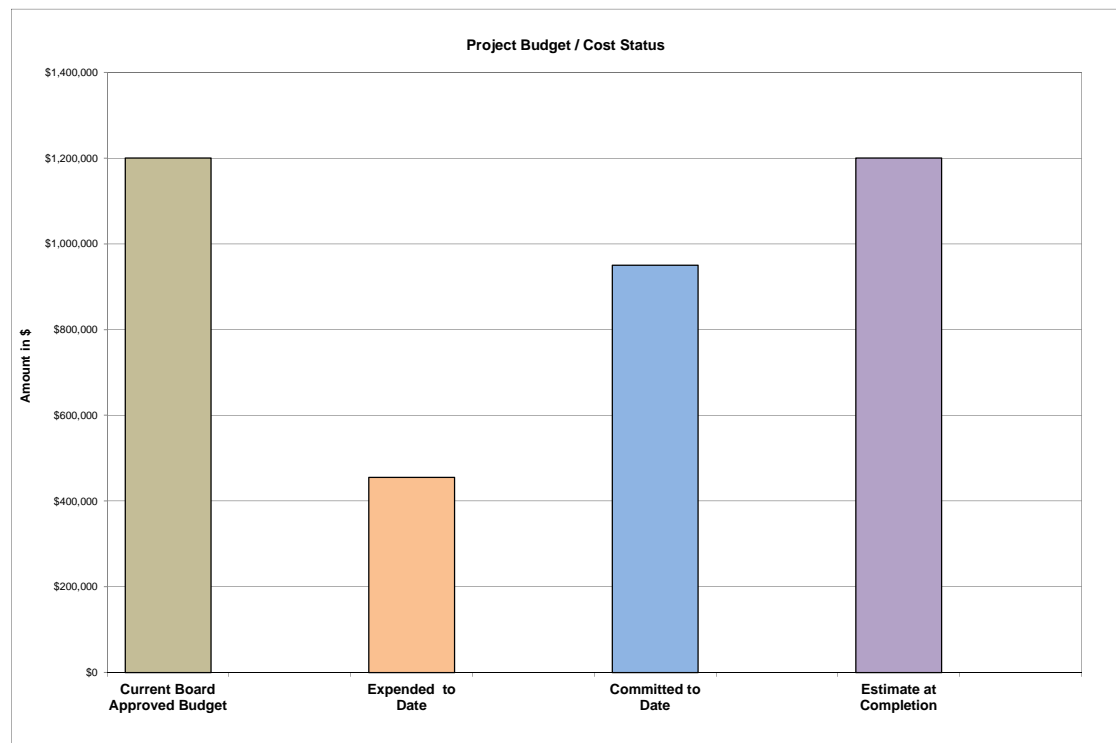
Schedule was extended by two months due to work suspension associated with grounding requirements for Electrification.

SUNNYVALE STATION PLATFORM REHABILITATION 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 | \$1,200,000 | \$455,218 | \$950,374 | \$1,200,000 | \$0 |



Issues: None.

SYSTEMWIDE SIGNAL SYSTEM REHABILITATION PROJECT - FY2013



SCOPE:



This project provides for the maintenance oversight by Caltrain to ensure that the signal system is maintained in a State of Good Repair (SOGR) and complies with all required regulations.

Design and construction components are as follows:

Design:

- 1) Design to retrofit the signal bridge at South San Francisco with safety improvements.
- 2) Design to retrofit all railroad signal lights (including replacement of the current outdated unilense signal lights) with LEDs.
- 3) Design to rehab Control Point (CP) Stockton signal house, update equipment & replace low speed switch machines with high speed machines.

Construction:

- 1) Procure LED signal light retrofit kits.
- 2) Retrofit all incandescent railroad signal lights with LEDs. (By TASI).
- 3) Additional scope - separate pedestrian gates arms from vehicular gates to meet CPUC standards at five stations.

Issues:

None.

SCHEDULE:



| Activity ID | Activity Description | Start | Finish | 2013 | | | | 2014 | | | | 2015 | | | | 2016 | | | | 2017 | | | | 2018 | | |
|---|----------------------|-------------|-------------|------|----|----|----|------|----|----|----|------|----|----|----|------|----|----|----|------|----|----|----|------|----|----|
| | | | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 |
| 02031 - FY2013 Systemwide Signal Rehabilitation | | 21-Mar-13 A | 30-Jun-18 A | | | | | | | | | | | | | | | | | | | | | | | |
| Construction | | 21-Mar-13 A | 31-Mar-18 A | | | | | | | | | | | | | | | | | | | | | | | |
| Project Close Out | | 01-Apr-18 A | 30-Jun-18 A | | | | | | | | | | | | | | | | | | | | | | | |

Progress:

Apr - Jun 2018

(1) Completed project closeout.

Future

Activities:

Jul - Sep 2018

None.

This will be the last Quarterly report for the project.

Issues:

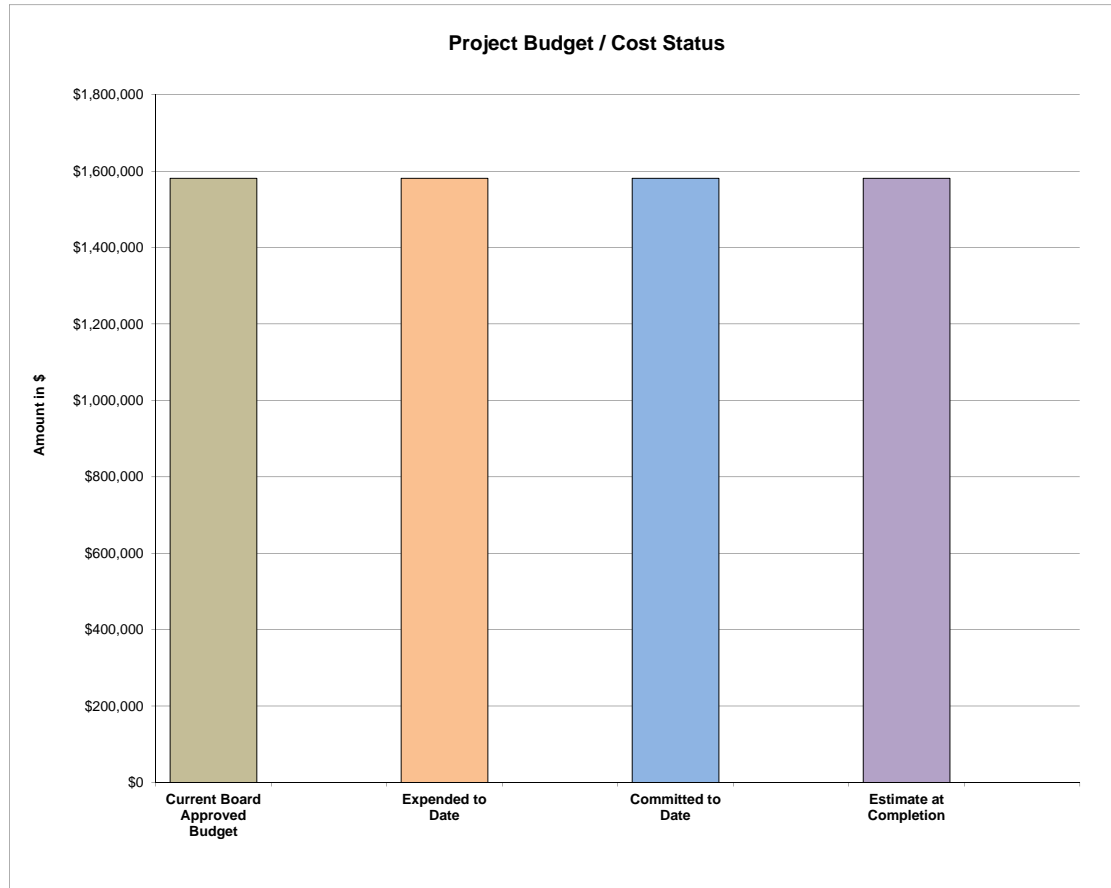
None.

SYSTEMWIDE SIGNAL REHABILITATION PROJECT - FY2013

BUDGET:



| | Current Board Approved Budget | Expended to Date | Committed to Date | Estimate at Completion | Variance at Completion |
|---------------|----------------------------------|---------------------|----------------------|---------------------------|------------------------|
| Project Total | \$1,581,000 | \$1,581,000 | \$1,581,000 | \$1,581,000 | \$0 |



Issues: None.

SYSTEMWIDE SIGNAL SYSTEM REHABILITATION PROJECT - FY2016

SCOPE



SCHEDULE



BUDGET/COST



SCOPE:

This project scope includes the following tasks:

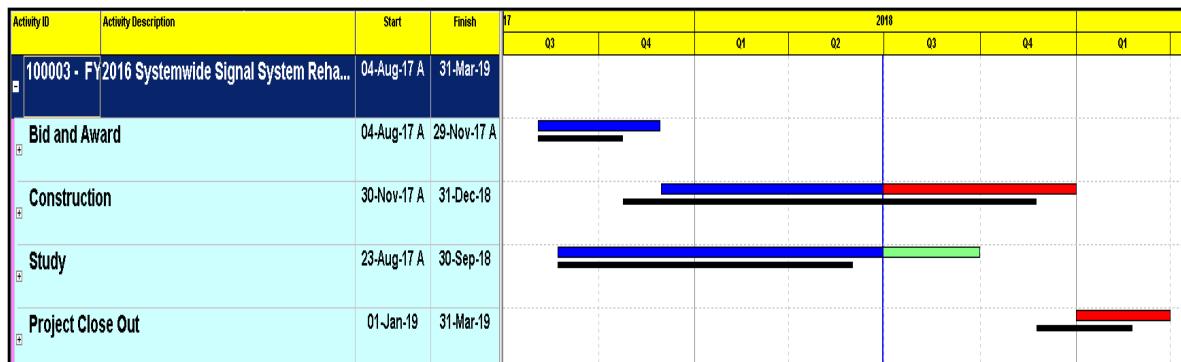


1. Procure and replace incandescent crossing gate lights with LEDs.
2. Replace gate mechanisms at eight grade crossings.
3. Investigate the synchronization issues between the railroad signals in the field and the dispatch software.

Issues:

None.

SCHEDULE:



Progress:

Apr - Jun 2018

- (1) Syncing study continued to be on hold to explore other options.
- (2) Received all new gate mechanisms.

Future Activities:

Jul - Sep 2018

- (1) Continue exploring other options for signal syncing.
- (2) Complete installation of gate mechanisms.

Issues:

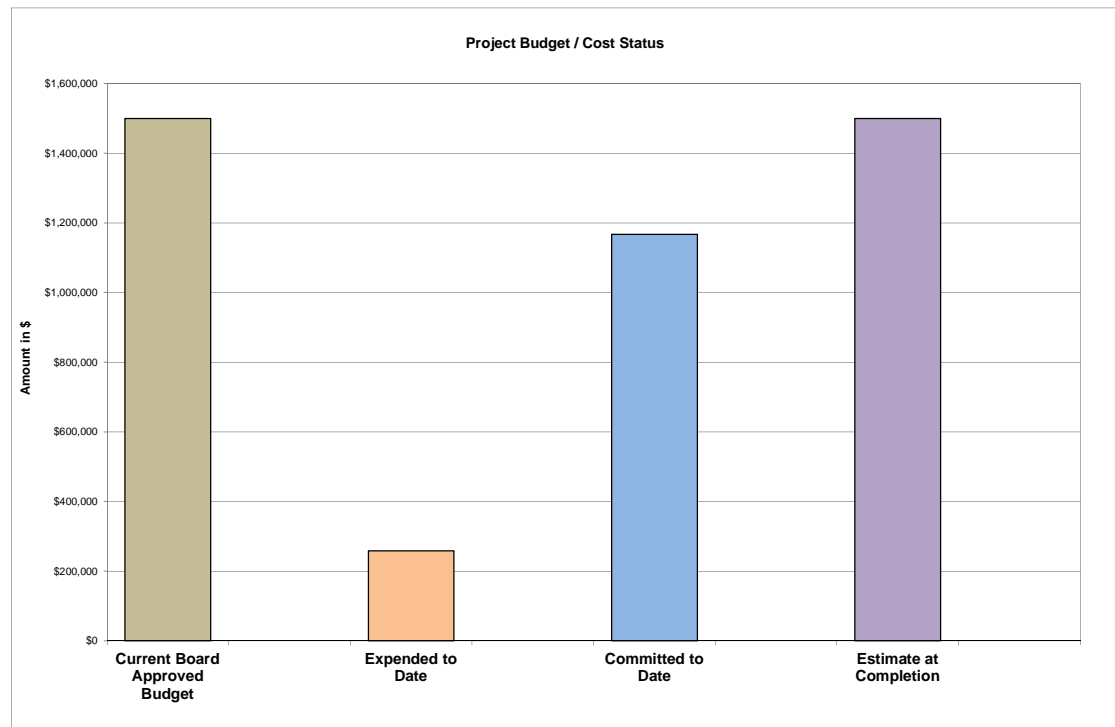
None.

SYSTEMWIDE SIGNAL SYSTEM REHABILITATION PROJECT - FY2016

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 | \$1,500,000 | \$258,246 | \$1,167,455 | \$1,500,000 | \$0 |



Issues: None.

SYSTEMWIDE SIGNAL SYSTEM REHABILITATION PROJECT - FY2017

SCOPE



SCHEDULE



BUDGET/COST

**SCOPE:**

Procure 22 switch kits to retrofit 15 existing air switch machines in San Francisco Yard and seven M23 switch machines on the Right of Way in order to reduce operational delays resulting from switch failures.

**Issues:**

None.

SCHEDULE:

| Activity ID | Activity Description | Start | Finish | 2018 | | | | | |
|-----------------------------------|----------------------|-------------|-------------|------|----|----|----|----|----|
| | | | | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 |
| 100148 - FY2018 Signal Rehab SOGR | | 17-Nov-17 A | 28-Feb-19 | | | | | | |
| | Bid and Award | 17-Nov-17 A | 17-Nov-17 A | | | | | | |
| | Construction | 01-Dec-17 A | 01-Dec-18 | | | | | | |
| | Project Close Out | 02-Dec-18 | 28-Feb-19 | | | | | | |

Progress:

Apr - Jun 2018

- (1) Continued receiving switch kits.
- (2) Continue finalizing schedule for rehab of switch machines.

Future**Activities:**

Jul - Sep 2018

- (1) Continue receiving switch kits.
- (2) Finalize schedule for rehab of switch machines.
- (3) Begin installation of switch kits.

Issues:

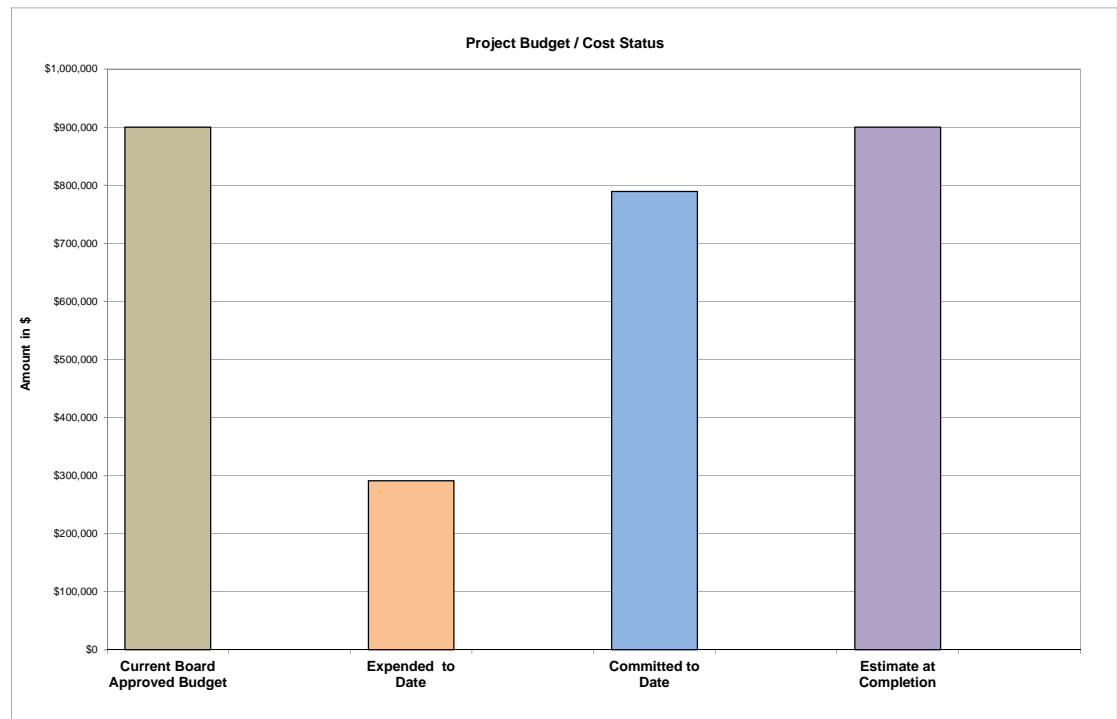
None.

SYSTEMWIDE SIGNAL SYSTEM REHABILITATION 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 | \$900,000 | \$290,958 | \$789,383 | \$900,000 | \$0 |



Issues: None.

SYSTEMWIDE STATION IMPROVEMENTS PROJECT – FY2016

SCOPE



SCHEDULE



BUDGET/COST



SCOPE:

This project provides improvements at various passenger stations along the Caltrain right of way.



The project is divided into the following two modules :

1. Module 75 - San Francisco 4th & King Station Floor Rehabilitation. (Complete)
2. Module 76 - San Carlos Station LED Replacement. (Complete)
3. Module 77 - Redwood City Station LED Replacement.

Issues:

None.

SCHEDULE:



| Activity ID | Activity Description | Start | Finish | 2017 | | | | | 2018 | | | |
|---|----------------------|-------------|-------------|------|----|----|----|----|------|----|----|----|
| | | | | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| 100001 - FY2016 Systemwide Station Improvement... | | 01-Jan-17 A | 30-Nov-18 | | | | | | | | | |
| | Final Design | 01-Jan-17 A | 15-Feb-17 A | | | | | | | | | |
| | Bid and Award | 16-Feb-17 A | 15-Mar-17 A | | | | | | | | | |
| | Construction | 16-Mar-17 A | 31-Aug-18 | | | | | | | | | |
| | Project Close Out | 01-Sep-18 | 30-Nov-18 | | | | | | | | | |

Progress:

Apr - Jun 2018 (1) Developed scope and contacted potential vendors for Module 77.

Future

Activities:

Jul - Sep 2018 (1) Complete adding LED replacement at Hayward Park Station.

Issues:

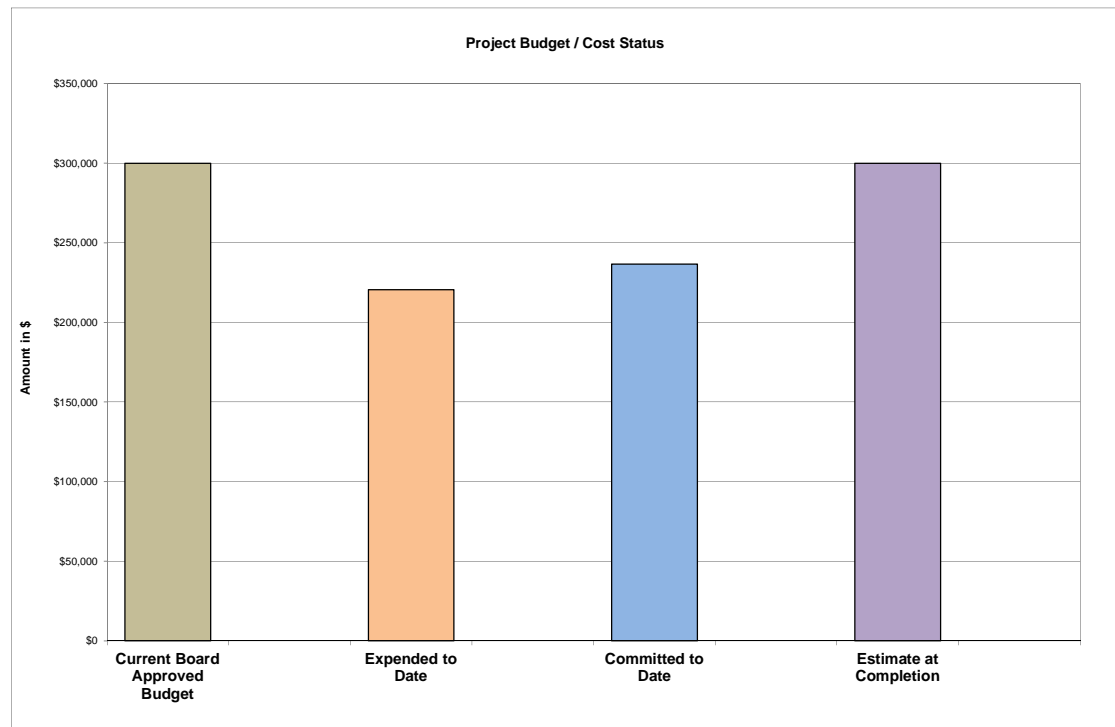
None.

SYSTEMWIDE STATION IMPROVEMENTS PROJECT – FY2016

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 | \$220,471 | \$236,587 | \$300,000 | \$0 |



Issues: None.

SYSTEM WIDE TRACK REHABILITATION PROJECT - FY2017

SCOPE



SCHEDULE



BUDGET/COST



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 FY2017 system wide track rehabilitation includes the following:

1. Replace stock rails points and frogs on as-needed.
2. Perform 100 welds approximately 50 in the removal of bonded insulated joints – about 50 locations and 50 welds in the welding of replaced stock rails, points and frogs for a total of 100 welds.
3. Replacement of standard ties on mainline tracks, approximately 1,500 ties.
4. Replacement of 200 switch ties on main tracks and yards.
5. Surfacing 30 miles of curve and tangent track, and 25 turn outs, 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, billable to UP.
9. Repair track and station platforms at College Park Station.
10. Minor repairs to bridges, culverts and structures – per annual inspection needs.
11. Leased facilities, purchase and rental equipment.
12. Purchased services – rail detector, geometry inspections, weed abatement etc.

Issues:

None.

SCHEDULE:



| Activity ID | Activity Description | Start | Finish | 2018 | | | | | |
|---|----------------------|-------------|-----------|------|----|----|----|----|--|
| | | | | Q2 | Q3 | Q4 | Q1 | Q2 | |
| 100145 - FY2017 Systemwide Track Rehabilitation Project | | 01-Apr-18 A | 30-Apr-19 | | | | | | |
| Construction | | 01-Apr-18 A | 31-Jan-19 | | | | | | |
| Project Close Out | | 01-Feb-19 | 30-Apr-19 | | | | | | |

Progress:

Apr - Jun 2018

- (1) Placed 595 tons of ballast.
- (2) Surfaced 8.9 miles of main line track.
- (3) Stabilized 8.5 miles of track
- (4) Regulated 9.5 miles of ballast.
- (5) Surfaced nine turnouts.
- (6) Built up 26 frog inserts.
- (7) Grounded 38 switches.
- (8) Performed 19 thermite welds.
- (9) Performed one frog changeout.
- (10) Installed seven insulated joints.

- (11) Installed 100 anchors.
- (12) Installed 792 pandrols.
- (13) Changed out 800 feet of rail.
- (14) FRA conducted two site visits.
- (15) Installed 363 cross ties.
- (16) Performed ultrasonic (UT) hyrail inspection.
- (17) Performed ultrasonic (UT) weld testing.
- (18) Performed weed spraying.
- (19) Performed tree trimming.
- (20) Performed fencing.

Future

Activities:

Jul - Sep 2018

- (1) Continue ongoing maintenance work.

Issues:

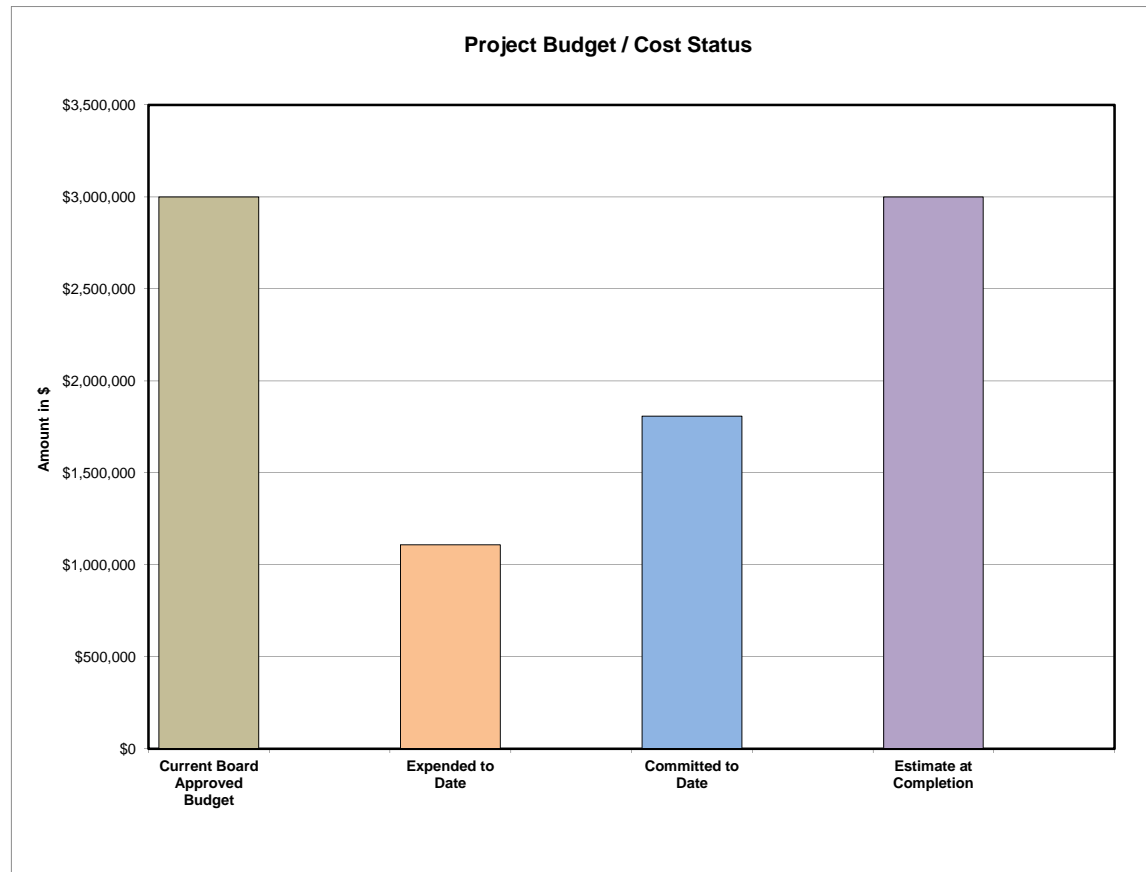
None.

SYSTEM WIDE TRACK REHABILITATION 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 |
| Project Total | \$3,000,000 | \$1,109,191 | \$1,807,997 | \$3,000,000 | \$0 |



Issues: None.

UPGRADE CCF EQUIPMENT ROOM COOLING PROJECT

SCOPE



SCHEDULE



BUDGET/COST

**SCOPE:**

This project will provide larger A/C equipment and high temperature alarms at Central Control Facility (CCF). Currently, the HVAC system in the CCF equipment room does not have adequate capacity for existing or future equipment, redundancy, or alarming.

Issues: None.

SCHEDULE:

| Activity ID | Activity Description | Start | Finish | 2017 | | | | | 2018 | | | |
|-------------------------------------|----------------------|-------------|-------------|------|----|----|----|----|------|----|----|----|
| | | | | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| 100152 - Upgrade CCF Equipment Room | | 30-Nov-16 A | 31-Oct-18 | | | | | | | | | |
| Procurement | | 30-Nov-16 A | 30-Nov-17 A | | | | | | | | | |
| Construction | | 01-Dec-17 A | 31-Jul-18 | | | | | | | | | |
| Project Close Out | | 01-Aug-18 | 31-Oct-18 | | | | | | | | | |

Progress:

Apr - Jun 2018

- (1) Constructed protective barriers in CCF server room to protect this equipment during installation of new HVAC duct.
- (2) Continued construction phase, with contractor's installation of HVAC equipment at the CCF Building.

Future**Activities:**

Jul - Sep 2018

- (1) Complete construction phase.
- (2) Initiate project close out.

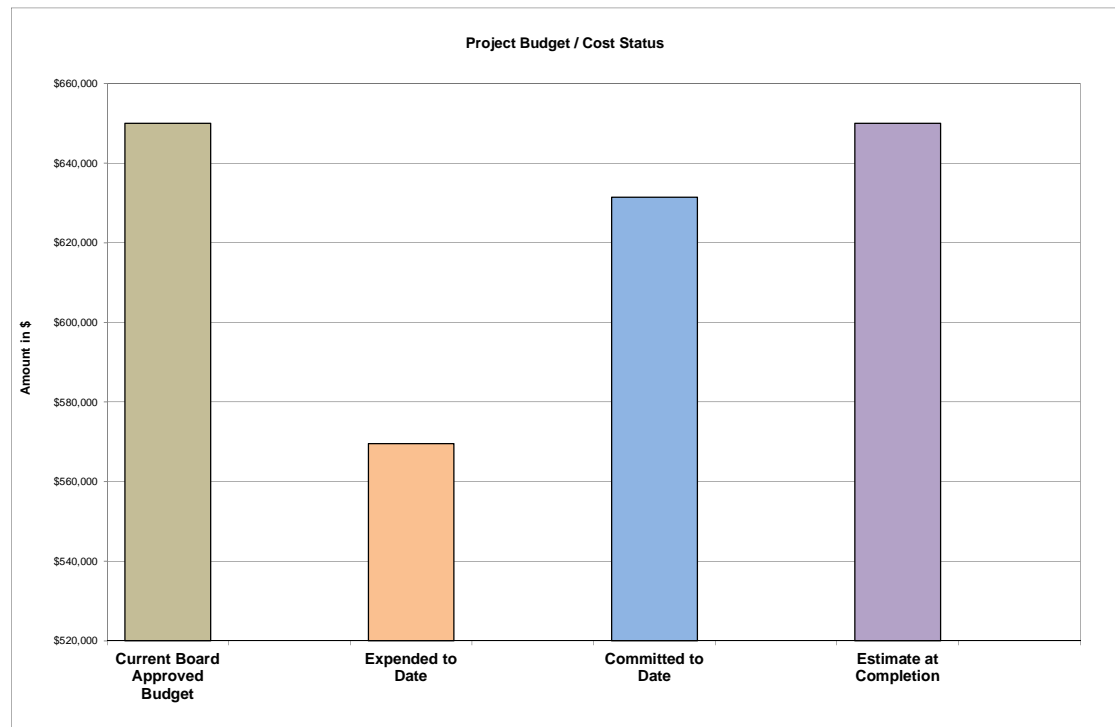
Issues: None.

UPGRADE CCF EQUIPMENT ROOM COOLING 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 | \$650,000 | \$569,539 | \$631,444 | \$650,000 | \$0 |



Issues: None.

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Caltrain

Disadvantaged Business Enterprise (DBE)

Quarterly Status Report

Based on Contracts through 3rd Quarter Federal Fiscal Year 2018
April 01, 2018 to June 30, 2018

The following is a summary of Caltrain's Federal Fiscal Year to date DBE Status:

| <u>Contract Type</u> | <u>Total Contracts Awarded</u> | <u>DBE Contracts Awarded</u> | <u>% DBE Awarded</u> |
|-----------------------------------|------------------------------------|----------------------------------|--------------------------|
| Construction/Design Contracts (1) | \$22,818,589 | \$1,204,512 | 5.3% |
| TASI Contracts | \$5,797,425 | \$0 | 0.0% |
| Total | \$28,616,014 | \$1,204,512 | 4.2% |

Overall Annual Goal in % 14.0%

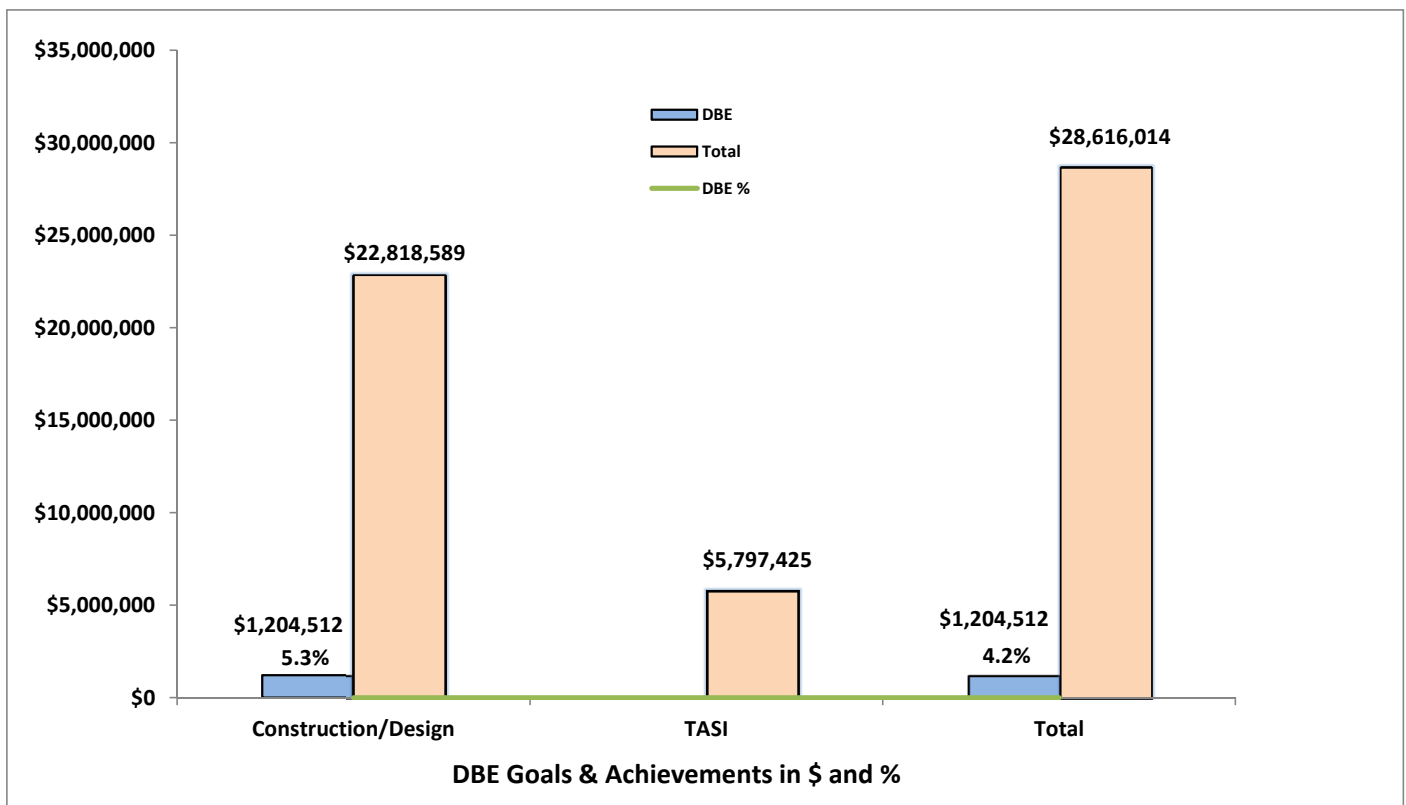
% Over/(Under) Goal -9.8%

Low DBE awards due to most of the federal dollars are going to on-call contracts . Also, there were change orders awarded on construction contracts which had no DBE participation.

Remedies : Contract specific DBE goals have been set for the upcoming award of the Tunnel Notching project.

(1) Also includes On-Call Consultants, Rent and Misc. Contracts.

**Contract-Specific DBE goals will be instituted on upcoming Capital Projects to increase DBE utilization.*



Definition of Terms

Committed to Date – The committed to date amount includes all actual expenditure of agency labor, other direct costs, the awarded amount of a work directive, a contract, or a purchase order which have been committed in the PeopleSoft accounting system.

Current Board Approved Budget – The current board approved budget includes the original board approved budget plus approved changes and internal budget transfers.

Estimate at Completion – The forecasted final cost of the project. The estimate at completion can be different from the Current Board Approved Funding, which indicates a variance at completion.

Expended to Date – The cumulative project costs that have been expended through the current reporting period as reported in PeopleSoft + the accrual cost of the work performed that has not been recorded in PeopleSoft.

Variance at Completion – The difference between the Current Board Approved Funding and the Estimate at Completion. A negative variance indicates that additional funding is needed.

Performance Status (Traffic Light) Criteria

| SECTIONS | On Target (GREEN) | Moderate Risk (YELLOW) | High Risk (RED) |
|--------------------|---|--|---|
| 1. SCOPE | <p>(a) Scope is consistent with Budget or Funding.</p> <p>(b) Scope is consistent with other projects.</p> <p>(c) Scope change has been mitigated.</p> | <p>(a) Scope is NOT consistent with Budget or Funding.</p> <p>(b) Scope appears to be in conflict with another project.</p> <p>(c) Scope changes have been proposed.</p> | <p>(a) Significant scope changes / significant deviations from the original plan.</p> |
| 2. BUDGET | <p>(a) Estimate at Completion forecast is within plus /minus 5% of the Current Approved Budget.</p> | <p>(a) Estimate at Completion forecast exceeds Current Approved Budget between 5% to 10% or by \$1,000K.</p> | <p>(a) Estimate at Completion forecast exceeds Current Approved Budget by more than 10%.</p> |
| 3. SCHEDULE | <p>(a) Project milestones / critical path are within plus/minus four months of the current baseline schedule.</p> <p>(b) Physical progress during the report period is consistent with incurred expenditures.</p> <p>(c) Schedule has been defined.</p> | <p>(a) Project milestones / critical path show slippage. Project is more than four to six months behind the current baseline schedule.</p> <p>(b) No physical progress during the report period, but expenditures have been incurred.</p> <p>(c) Detailed baseline schedule NOT finalized.</p> | <p>(a) Forecast project completion date is later than the current baseline scheduled completion date by more than six months.</p> |

Schedule Legend

| | |
|---|---------------------------------|
|  | Completed |
|  | Critical path |
|  | Baseline/target schedule |