



# Capital Program

## Quarterly Status Report and DBE Status Report



### 4th Quarter Fiscal Year 2022 (April to June 2022)

Prepared for the September 01, 2022 Caltrain Board Meeting

## Projects in Focus

**Concerning** (projects with red status lights)

### 1. 002080 - Marin and Napoleon Bridge Replacement Project

- **Schedule:** The original contract bid quantities were exceeded and a Contract Change Order to adjust them has been approved. Project is near completion and will not seek for a schedule re-baseline.

### 2. 002146 - South San Francisco Station Improvement Project

- **Schedule:** Portions of Ramp 1 and Ramp 2 were rebuilt and tested and they meet ADA requirements. Ramps were opened to public on 1/13/2022. Will request rebaseline when the project goes to the Management Committee for the next phase. The date to submit the request is still TBD.

### 3. 100403 - Broadband Wireless Communications System

- **Schedule:** The proposal evaluation period has been extended due to the complexity of the proposals, live demonstration and negotiation of a Best & Final Offer. Project Manager plan to rebaseline the schedule once team have selected and negotiated with the best proposer in August 2022.

### 4. 100410 - Whipple Avenue Grade Separation Study

- **Schedule:** Project schedule extended due to the complexity of alternatives being examined in combination with a potential four-track station and new development occurring in close proximity to the potential grade separations. COVID-19 also required a more extensive and time-intensive public outreach strategy than initially envisioned. Work towards additional targeted public outreach commenced in December 2021 with outreach activities originally anticipated to conclude in March 2022. However, the project schedule was adjusted due to project complexities, which includes additional internal working meetings and resourcing. Community outreach preparation and training was completed and outreach activities were concluded in June 2022. It is still TBD when the project goes to the Management Committee to request a rebaseline.

### 5. 100445 - Automatic Passenger Counters at San Francisco 4th & King Station

- **Schedule:** The COVID-19 Pandemic caused delay in development and logistics. The schedule has been escalated within Centum Adetel and Caltrain. The Centum Team provided a revised Schedule to complete installation, commissioning and training by 7/31/2022. Project Manager to request schedule re-baseline at July 2022 Management Committee meeting.

### 6. 100482 - Rengstorff Grade Separation

- **Schedule:** 35% design submittal delayed due to additional geotechnical investigation, traffic studies and revised geometric design, delaying the consultant's change order approval, and additional county's comments and mitigations. Schedule will be re-baselined after 10/6/22, when MOU is received from the City and internal reviews (legal, Sr. Management, others) have been completed and the next phase (Final Design) of the project is approved by the Management Committee. Currently, the MOU is being reviewed by our Legal Counsel and Senior Management.

### 7. 100566 - San Mateo Grade Crossing Improvements

- **Schedule:** Project Schedule got extended as City of San Mateo's final design will not be completed until mid July 2022. Both design and construction work need to be coordinated. Project Manager plans to rebaseline the schedule as a part of the IFB phase gate in July 2022.

### 8. 100684 - Mini High Platforms

-**Schedule/Funding:** The Project needs to access the funding from PCEP to get started on design. It is the intention to still meet the overall project schedule.

### 9. 100667 - Bernardo Avenue Undercrossing

-**Schedule:** The schedule has been delayed due to the extensive analysis and review of the concept alternatives provided by the City to help them decide the path forward. The City has decided to move ahead with the preparation of 35% plans using their consultant. The schedule will be fine-tuned and submitted to management committee for re-baseline.

### 10. Verizon Sink Hole Repair San Jose

- **Schedule:** Project Schedule is extended due to delay in Agreements between the parties. Request the Management Committee to rebaseline the schedule. The date to submit the request is August 2022.

### 11. Predictive Arrival/Departure System (PADS) Replacement

- **Schedule:** Project schedule extended due to the delay in procurement process of bringing a consultant on board to assist in developing the PADS RFP. Revise schedule and budget for review in the Aug Mgmt. Committee meeting.

**Watching** (projects with yellow status lights)**1. 002113 - Guadalupe River Bridges Replacement and Extension**

- **Funding:** Identified sources of funds that cover the entire project costs. Agency has not received and/or activated the entire fiscal year 2022 appropriation by the JPB Board. The reminder of the funds will be activated in July 2022.

**2. 100427 - San Francisquito Creek Bridge Replacement**

- **Funding:** There are 3 options. First option is to strengthen the bridge and second option is to replace the bridge. If either of the two build alternatives are selected by senior management, then additional funding is required to complete the 35% design phase. The third option is a viable no build option to restrict train traffic to one freight train at a time. However, with this no build option, current funding would be used to support required special inspections and monitoring of the bridge.

**3. 100430 - CCF BCCF Virtualization**

- **Funding:** Additional budget request of \$1.2M in FY23 funds was approved contingent on the project receiving additional funds as part of the capital budget process. Request to activate the additional funds has been sent to budgets and funds are expected to be activated in Aug'22.

**4. 100676 - San Mateo Replacement Parking Track**




- **Funding:** \$4.045M already transferred to this project from 25th Avenue Grade Separation project. Additional \$622K pending transfer. Seek 50% match from MTC's Local Partnership Program funding to support spring 2023 construction.

**5. 100449 - Next Generation Visual Messaging Sign (VMS)**

- **Schedule:** The COVID-19 delayed field verification of sign mounting at 5 stations. Schedule field verification when impacted person is available. The schedule will be re-baselined at Aug Mgmt. Committee meeting.

**Performance Summary**

**Table S1. Projects in each status light by performance category**

Status Light	Safety	Schedule	Budget	Funding
 Green	100.0%	63.6%	100.0%	84.8%
 Yellow	0.0%	3.0%	0.0%	12.1%
 Red	0.0%	33.3%	0.0%	3.0%

(Percentage of projects in each status light by performance category)

**Table S2. Summary of project changes from previous quarter**

Status Changes	Projects	Pct. Projects
All green	11	33.3%
Improved	7	21.2%
Got worse	3	9.1%
Stayed the same (except all green)	12	36.4%
<b>Total Projects</b>	<b>33</b>	

**Table S3. Individual Projects**

Project Number	Title	Safety		Schedule		Budget		Funding		Page
		Q3	Q4	Q3	Q4	Q3	Q4	Q3	Q4	
<b>CONSTRUCTION/IMPLEMENTATION</b>										
<b>Grade Separations</b>										
002088	25th Avenue Grade Separation	●	●	●	●	●	●	●	●	7
<b>Stations</b>										
002146	South San Francisco Station Improvement	●	●	●	●	●	●	●	●	13
<b>ROW Communications &amp; Signals</b>										
100278	Mary Avenue Traffic Signal Preemption	●	●	●	●	●	●	●	●	20
<b>Fare Collection</b>										
100240	Ticket Vending Machines (TVM) Rehab	●	●	●	●	●	●	●	●	25
<b>Miscellaneous</b>										
100430	CCF BCCF Virtualization	●	●	●	●	●	●	●	●	31
100445	Automatic Passenger Counters at San Francisco 4th & King Station	●	●	●	●	●	●	●	●	35
<b>DESIGN (includes Preliminary and Final Design, and Procurement)</b>										
<b>Grade Separations</b>										
002152	South Linden & Scott Grade Separation	●	●	●	●	●	●	●	●	40
100244	Burlingame Broadway Grade Separation	●	●	●	●	●	●	●	●	43
100482	Rengstorff Grade Separation	●	●	●	●	●	●	●	●	47
100617	Mountain View Transit Center Grade Separation & Access Project	●	●	●	●	●	●	●	●	51
<b>ROW Bridges</b>										
002113	Guadalupe River Bridges Replacement and Extension	●	●	●	●	●	●	●	●	56
100427	San Francisquito Creek Bridge Replacement	●	●	●	●	●	●	●	●	61
100439	Bayshore Station Overpass Pedestrian Bridge Rehab	●	●	●	●	●	●	●	●	65
<b>ROW Grade Crossings</b>										
100426	Churchill Avenue Grade Crossing	●	●	●	●	●	●	●	●	70
100522	Watkins Ave Grade Crossing Safety Improvements	●	●	●	●	●	●	●	●	73
100563	FY21-22 Grade Crossing Improvements		●		●		●		●	76
100566	San Mateo Grade Crossing Improvements	●	●	●	●	●	●	●	●	79
<b>ROW Communications &amp; Signals</b>										
100403	Broadband Wireless Communications System	●	●	●	●	●	●	●	●	83
100432	Migration to Digital Voice Radio System	●	●	●	●	●	●	●	●	87
100449	Next Generation Visual Messaging Sign (VMS)	●	●	●	●	●	●	●	●	89
100572	Communication System SOGR	●	●	●	●	●	●	●	●	92
100614	Predictive Arrival/Departure System (PADS) Replacement	●	●	●	●	●	●	●	●	95
100616	Caltrain Fiber Connectivity to Passenger Stations and Digital Voice	●	●	●	●	●	●	●	●	98
<b>Fare Collection</b>										
100574	Clipper Next Generation Validators Site Preparations	●	●	●	●	●	●	●	●	102
<b>Miscellaneous</b>										
100676	San Mateo Replacement Parking Track	●	●	●	●	●	●	●	●	107
100684	Mini-High Platforms		●		●		●		●	110

**Table S3. Individual Projects (Continued)**

Project Number	Title	Safety		Schedule		Budget		Funding		Page
		Q3	Q4	Q3	Q4	Q3	Q4	Q3	Q4	
<b>PLANNING (includes Initiation and Design to 15%)</b>										
<b>Grade Separations</b>										
100410	Whipple Avenue Grade Separation Study	NA		●	●	●	●	●	●	114
100667	Bernardo Avenue Undercrossing	NA		●	●	●	●	●	●	116
100668	Sunnyvale Grade Separation	NA		NA	NA	NA	NA	NA	NA	119
100686	Middle Avenue Undercrossing	NA		NA	NA	NA	NA	NA	NA	120
<b>Miscellaneous</b>										
100564	Enterprise Asset Management (EAM) Software System	NA		●	●	●	●	●	●	123
100565	Update and Upgrade GIS System	NA		●	●	●	●	●	●	126
100685	Verizon Sink Hole Repair San Jose	NA			●		●		●	130
100687	Downtown Rail Extension (DTX)	NA			●		●		●	133
<b>CLOSEOUT (includes Start-up/Turnover and Closeout)</b>										
<b>ROW Bridges</b>										
002080	Marin and Napoleon Bridge Replacement	●	●	●	●	●	●	●	●	137

**CONSTRUCTION / IMPLEMENTATION**  
**Grade Separations**









25th Avenue Grade Separation

Project No.

002088

**Table 1. Status Summary and Total Project Performance**

Project Phase: **6 - Construction/Implementation**

Quarter	Safety	Schedule	Budget	Funding
Current	G 	G 	G 	G 
Previous	G 	R 	Y 	R 

Progress (%)	Change Prev. Qtr.	EAC/Budget
<b>98.25%</b>	0.00%	99.80%

**SCOPE Summary**

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.

The work included the 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

Project Manager: Andy Kleiber

Principal Designer: HDR Engineering, Inc.

Const. Contractor: Shimmick/Disney Joint Venture

**Table 2. SAFETY INCIDENTS**

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	16
Type II Incidents	0	2



25th Avenue Grade Separation

Project No.

002088

**Table 3. MILESTONE SCHEDULE**

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Change Prev. Quarter
	(A)	(B)	(C=A-B)	(D)
Preliminary 35% Design	07/20/15	07/20/15	0	0
65% Design	01/28/16	01/28/16	0	0
95% Design	07/25/16	07/25/16	0	0
100% Design	10/26/16	10/26/16	0	0
IFB	12/09/16	12/09/16	0	0
Award	07/06/17	07/06/17	0	0
LNTP	08/10/17	08/10/17	0	0
NTP	12/08/17	12/08/17	0	0
28th Ave Opening Date	03/15/21	03/15/21	0	0
Station Opening	04/26/21	04/26/21	0	0
Construction Completion	05/15/22	05/15/22	0	0
Gate 6 - Substantial Completion	07/31/22	07/31/22	0	0
Gate 7 - Startup/Turnover	11/01/22	11/01/22	0	0
Gate 8 - Project Closeout	01/31/23	01/31/23	0	0

25th Avenue Grade Separation

Project No.

002088

**Table 4. PROJECT BUDGET / ESTIMATE AT COMPLETION (in thousands of \$)**

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100	2,025	5,876	7,901	7,901	0	0.0%
Environmental	1200	385	352	737	737	0	0.0%
Real Estate	2100		8,984	8,984	8,984	0	0.0%
Utilities Relocations	2200		24,395	24,395	24,395	0	0.0%
Const./Impl. Contracts	3100		117,300	117,300	117,300	0	0.0%
Construction Management	4100		13,358	13,358	13,358	0	0.0%
Design Support During Const.	4200		5,756	5,756	5,756	0	0.0%
Testing & Commissioning	4300		109	109	109	0	0.0%
Agency/ODCs	5000	991	2,296	3,287	3,287	0	0.0%
Project Management	5100	585	6,667	7,252	7,252	0	0.0%
Project & Document Control	5200	80	1,884	1,964	1,964	0	0.0%
Finance/Accounting	5300		24	24	24	0	0.0%
Contracts & Procurement	5400		105	105	105	0	0.0%
Legal	5500	18	748	766	766	0	0.0%
Information Technology	5600		0	0	0	0	
Communications/P. Relations	5700		86	86	86	0	0.0%
Human Resources	5800		0	0	0	0	
Safety/Security & Risk Mgmt.	5900		1,309	1,309	1,309	0	0.0%
Equip./Material Purchases	6100		134	134	134	0	0.0%
CalMod Program	7100			0	0	0	
Oper. Support	8100	45	7,949	7,994	7,994	0	0.0%
<b>Subtotals</b>	NA	<b>4,128</b>	<b>197,333</b>	<b>201,461</b>	<b>201,461</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	0	<b>394</b>	100.0%
Unallocated Contingency	9900	372	22	394	NA		
<b>Grand Totals</b>	NA	<b>4,500</b>	<b>197,355</b>	<b>201,855</b>	<b>201,461</b>	<b>394</b>	<b>0.2%</b>
(*) ICAP already included in totals above			4,940	4,940	4,940	0	0.0%

Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

**Table 5. FUNDING (in thousands of \$)**

Fund Source	Type	Board Approved			Activated Funding	Unactivated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
SMCTA	Local	3,700	92,410	96,110	96,110	0
State (Section 190)	State		10,000	10,000	10,000	0
State (CAHSA)	State		84,000	84,000	84,000	0
City of San Mateo	Local	1,000	10,745	11,745	11,745	0
<b>Totals</b>		<b>4,700</b>	<b>197,155</b>	<b>201,855</b>	<b>201,855</b>	<b>0</b>

25th Avenue Grade Separation

Project No.

002088

**Table 6. NOTABLE RISKS** (Top 5 in order of priority) (Budget Impact in thousands of \$, Schedule Impact in days)

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
No ROW fencing at old Hillsdale Station	JPB/HDR Procurement/Budgeting.	TASI is on board to install fence (using a subcontractor).	\$ 150	High

**Table 7. NOTABLE ISSUES** (Top 5 in order of priority)

Issue Title	Responsibility Status	Action	Resolution Date
AT&T Settlement.	JPB Working on to send a letter to AT&T.	JPB is proposing a settlement to AT&T.	9/1/2022
Covid 19/Number of Changes.	SDJV JPB has rejected this claim. Contractor erroneously claimed Covid as a DSC, and was late on submittal of claim. JPB has proposed a way forward to SDJV.	Parties have agreed on a settlement. Team is working on approval.	9/15/2022
PG&E Vault constructed incorrectly.	PG&E PG&E - Constructed incorrectly, JPB - elevating the issue.	PG&E has submitted a cost of approximately \$13k. We are still pressuring PG&E to take responsibility.	10/31/2022

**KEY ACTIVITIES - Current Reporting Quarter (top 5)**

1. Working on the Global Settlement.
2. Finishing all the project work.

**NEXT KEY ACTIVITIES (top 5)**

1. Present and seek approval for the Global Settlement at the September Board.
2. Close out contract.

**PROJECT NOTES**

1. Budget remains extremely tight.
2. A global settlement has been agreed with the contractor and got approval by the Contract Change Committee (CCC) in July 2022 and then by board in September 2022.

25th Avenue Grade Separation

Project No.

002088

PROJECT PHOTOS



Photo 1 - 25th N Yard Lighting Pole



Photo 2 - OCS Grounding Testing.



Photo 3 - South Ramp fixing plate kickers



Photo 4 - Stairs Paint Touchup at Hillsdale Station









**CONSTRUCTION / IMPLEMENTATION  
Stations**

South San Francisco Station Improvement Project

Project No. 002146

Table 1. Status Summary and Total Project Performance

Project Phase: 6 - Construction/Implementation

Quarter	Safety	Schedule	Budget	Funding
Current	G 	R 	G 	G 
Previous	G 	R 	G 	G 

Progress (%)	Change Prev. Qtr.	EAC / Budget
98.8%	0.00%	99%

1. Portions of Ramp 1 and Ramp 2 were rebuilt and tested and they meet ADA requirements. Ramps were opened to public on 1/13/2022. Request the Management Committee to rebaseline the schedule. The date to submit the request is still TBD.

SCOPE Summary

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.

Project Manager: Hubert Chan

Principal Designer: RSE

Const. Contractor: ProVen Management, Inc.

Table 2. SAFETY INCIDENTS

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	22
Type II Incidents	0	2

## South San Francisco Station Improvement Project

Project No. 002146

Table 3. MILESTONE SCHEDULE

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Δ Prev Quarter
	(A)	(B)	(C=A-B)	(D)
Adv	04/12/17	04/12/17	0	0
Bid Opening	06/12/17	06/12/17	0	0
Award	08/03/17	08/03/17	0	0
LNTP	10/09/17	10/09/17	0	0
NTP	03/06/18	03/06/18	0	0
Project status update to JPB CAC	09/15/21	09/15/21	0	0
Project status update to TA CAC (Citizen Advisory Committee)	10/05/21	10/05/21	0	0
Project status update to TA Board	10/07/21	10/07/21	0	0
Substantial Completion	11/30/21	11/30/21	0	0
Station Opening	01/10/22	01/13/22	-3	0
Gate 6 - Substantial Completion	02/28/22	07/31/22	-153	-153
Gate 7 - Start-Up/Turnover Complete	07/31/22	07/31/22	0	0
Gate 8 - Project Closeout Complete	03/31/22	10/31/22	-214	-61

## South San Francisco Station Improvement Project

Project No. 002146

Table 4. PROJECT BUDGET / ESTIMATE AT COMPLETION (in thousands of \$)

Type of Work		Budget			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100	3,127	-457	2,670	2,670	0	0.0%
Environmental	1200	100	0	100	100	0	0.0%
Real Estate	2100	0	220	220	220	0	0.0%
Utilities Relocations	2200	200	6,020	6,220	6,220	0	0.0%
Const./Impl. Contracts	3100	37,000	23,210	60,210	60,210	0	0.0%
Construction Management	4100	3,323	9,358	12,681	12,681	0	0.0%
Design Support During Const.	4200	1,109	0	1,109	1,109	0	0.0%
Testing & Commissioning	4300	0	0	0	0	0	
Agency/ODCs	5000	0	0	0	0	0	0.0%
Project Management	5100	2,664	5,282	7,946	7,946	0	0.0%
Project & Document Control	5200	126	0	126	126	0	0.0%
Finance/Accounting	5300	63	0	63	63	0	0.0%
Contracts & Procurement	5400	116	0	116	116	0	0.0%
Legal	5500	50	0	50	50	0	0.0%
Information Technology	5600	0	0	0	0	0	
Communications/P. Relations	5700	0	0	0	0	0	
Human Resources	5800	0	0	0	0	0	
Safety/Security & Risk Mgmt.	5900	0	0	0	0	0	
Equip./Material Purchases	6100	0	155	155	155	0	0.0%
CalMod Program	7100	0	0	0	0	0	
Oper. Support	8100	1,656	2,454	4,110	4,110	0	0.0%
<b>Subtotals</b>	NA	<b>49,533</b>	<b>46,242</b>	<b>95,775</b>	<b>95,775</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA		<b>825</b>	<b>100.0%</b>
Unallocated Contingency	9900	6,767	-5,942	825	NA		
ICAP			1,612	1,612		1,612	100.0%
<b>Grand Totals</b>	NA	<b>56,300</b>	<b>40,300</b>	<b>96,600</b>	<b>95,775</b>	<b>1,612</b>	<b>1.7%</b>

(*) ICAP already included in totals above	2,681	1,919	4,600	4,561	39	0.9%
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Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.



South San Francisco Station Improvement Project

Project No. 002146

**Table 5. FUNDING** (in thousands of \$)

Fund Source	Type	Board Approved			Activated Funding (D)	Un-activated Amount (E=C-D)
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
Capital fund from operations source	Other		1,300	1,300	1,300	-
SMCTA Cap Contr to JPB/SAMTR	Other	49,100	(5,028)	44,072	44,572	(500)
CA-2017-057-01	Federal		38,828	38,828	38,828	-
CSSF MOU-SSF Caltrain Station	Local	5,900	6,500	12,400	9,900	2,500
<b>Totals</b>		<b>55,000</b>	<b>41,600</b>	<b>96,600</b>	<b>94,600</b>	<b>2,000</b>

**Table 6. NOTABLE RISKS** (Top 5 in order of priority) (Budget Impact in thousands of \$, Schedule Impact in days)

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
			\$ -	

**Table 7. NOTABLE ISSUES** (Top 5 in order of priority)

Issue Title	Responsibility Status	Action	Resolution Date
1. Stainless steel paneling for underpass wall	Hubert Chan ----- issued field instruction to PMI based on 50/50 cost sharing. Contractor has placed order for stainless steel	Install stainless steel paneling for underpass wall to cover water leak stains as warranty work.	7/31/2022
2. Fire Suppression System (need to install a new fire hydrant to support existing fire suppression system)	Hubert Chan ----- Agreement was made with the City of SSF Fire Department to relocate dry hose connection. A new fire hydrant will not be needed. PMI has declined this extra work. Seeking new contractor to perform the work.	Relocate dry hose connection.	7/31/2022

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**South San Francisco Station Improvement Project**Project No. **002146**

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**KEY ACTIVITIES - Current Reporting Quarter** (top 5)

1. Contractor continued punch list work.
2. Poletti Way: The City programmed the ped traffic light. The ped traffic light is in service.
3. Completed negotiation with PMI on all outstanding change orders including underpass paneling. Agreed to 50/50 cost sharing.
4. Began preparing project as-builts.

**NEXT KEY ACTIVITIES** (top 5)

1. Contractor to complete punch list work.
2. Complete lessons learned session and revise ADA slopes at ramps and landing design criteria to require industry recommended construction tolerances.
3. Complete project as-builts.

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**PROJECT NOTES**

PROJECT PHOTOS



Photo 1 - Shelter with ticket machine



Photo 2 - Ramp 3

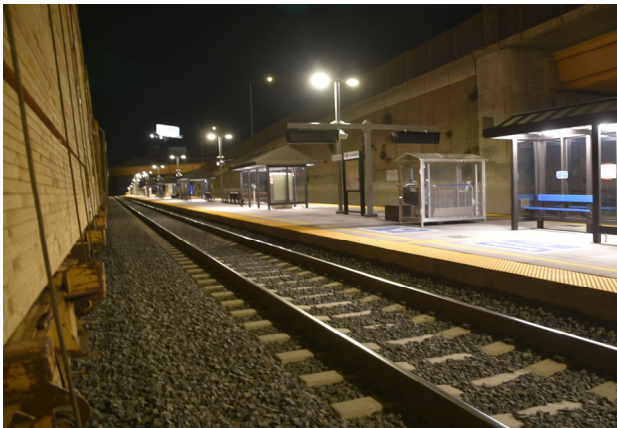


Photo 3 - New platform looking south



Photo 4 - New platform signage

**CONSTRUCTION / IMPLEMENTATION  
ROW Communications & Signals**

Mary Avenue Traffic Signal Preemption

Project No. 100278

Table 1. Status Summary and Total Project Performance

Project Phase: 6 - Construction/Implementation

Quarter	Safety	Schedule	Budget	Funding
Current	G	G	G	G
Previous	G	R	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
96.09%	0.00%	52%

SCOPE Summary

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 allow Caltrain to pass through.

Project Manager: Robert Tam

Principal Designer: RSE

Const. Contractor: Transamerica Services, INC.

Table 2. SAFETY INCIDENTS

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	0
Type II Incidents	0	0

Table 3. MILESTONE SCHEDULE

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Change Prev. Quarter
	(A)	(B)	(C=A-B)	(D)
Project Start	02/01/18	02/01/18	0	0
35% Design	05/01/19	05/01/19	0	0
65% Design	12/05/19	12/05/19	0	0
100% Design	05/06/20	05/06/20	0	0
Construction Start	07/21/20	07/21/20	0	0
Materials Received	12/28/20	12/28/20	0	0
Construction Complete	06/30/21	06/30/21	0	0
System Testing	06/30/22	06/30/22	0	0
Substantial Completion	06/30/22	06/30/22	0	0
Gate 7 - Start up/Turnover	10/30/22	10/30/22	0	0
Gate 8 - Project Closeout	12/31/22	12/31/22	0	0

Mary Avenue Traffic Signal Preemption

Project No. 100278

Table 4. PROJECT BUDGET / ESTIMATE AT COMPLETION (in thousands of \$)

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C = A+B)	(D)	(E = C-D)	(F = E/C)
Planning & Engineering	1100	200	-48	152	152	0	0.0%
Environmental	1200			0	0	0	
Real Estate	2100			0	0	0	
Utilities Relocations	2200			0	0	0	
Construction ODCs	2300			0	0	0	
Const./Impl. Contracts	3100	599	-599	0	0	0	0.0%
Construction Management	4100	225	-225	0	0	0	0.0%
Design Support During Const.	4200	25	-25	0	0	0	0.0%
Testing & Commissioning	4300			0	0	0	
Agency/ODCs	5000		2	2	2	0	0.0%
Project Management	5100	799	-244	555	555	0	0.0%
Project & Document Control	5200	200	-108	92	92	0	0.0%
Finance/Accounting	5300	50		50	50	0	0.0%
Contracts & Procurement	5400	125	-110	15	15	0	0.0%
Legal	5500	50	-42	8	8	0	0.0%
Information Technology	5600			0	0	0	
Communications/P. Relations	5700		5	5	5	0	0.0%
Human Resources	5800			0	0	0	
Safety/Security & Risk Mgmt.	5900		5	5	5	0	0.0%
Equip./Material Purchases	6100			0	0	0	
CalMod Program	7100			0	0	0	
Oper. Support	8100	699		699	699	0	0.0%
<b>Subtotals</b>	NA	<b>2,970</b>	<b>-1,388</b>	<b>1,582</b>	<b>1,582</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	50	<b>1,493</b>	96.8%
Unallocated Contingency	9900	155	1,388	1,543	NA		
<b>Grand Totals</b>	NA	<b>3,125</b>	<b>0</b>	<b>3,125</b>	<b>1,632</b>	<b>1,493</b>	<b>47.8%</b>

(\*) ICAP already included in totals above 247 0 247 247 0 0.0%

Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

Table 5. FUNDING (in thousands of \$)

Fund Source	Type	Board Approved			Activated Funding	Unactivated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
Caltrans Sec 130 Agmt #75LX315	State	3,125		3,125	3,125	0
<b>Totals</b>		<b>3,125</b>	<b>0</b>	<b>3,125</b>	<b>3,125</b>	<b>0</b>

**Mary Avenue Traffic Signal Preemption**

Project No. **100278**

**Table 6. NOTABLE RISKS (Top 5 in order of priority) (Budget Impact in thousands of \$, Schedule Impact in days)**

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
Coordination with the City of Sunnyvale	Robert Tam	Frequent meetings and communications about the city's installation schedule. Continue additional testing with City.	\$ -	Med
	The installation is completed on April 23, 2022. Testing encountered some issues which need additional testing.		90	

**Table 7. NOTABLE ISSUES (Top 5 in order of priority)**

Issue Title	Responsibility Status	Action	Resolution Date
City of Sunnyvale traffic controller installation delay	Robert Tam	None.	6/30/2022
	Closed - The City received the delivery of the interconnect cable and completed the installation on April 23, 2022. Testing encountered some issue with the city's traffic controller. The railroad advance signal preemption is working as intended.		

**KEY ACTIVITIES - Current Reporting Quarter (top 5)**

1. The city of Sunnyvale tested their advance signal preemption circuit and corrected an issue with their circuit board.
2. Additional testing was done for the advance signal preemption between JPB and the city of Sunnyvale. Found the railroad advance signal preemption is working as intended. The city needs to modify their traffic controller to deal with maintenance equipment on the tracks.

**NEXT KEY ACTIVITIES (top 5)**

1. Begin to close out project.
2. Complete the project.

**PROJECT NOTES**

1. The EAC is lower than the budget because TASI is performing the construction instead of a separate contractor.

Mary Avenue Traffic Signal Preemption

Project No. 100278

PROJECT PHOTOS



Photo 1 - New advance signal preemption equipment



Photo 2 - Workers putting in new signal wires for the train detection in the rail











**CONSTRUCTION / IMPLEMENTATION**  
**Fare Collection**

**Ticket Vending Machines (TVM) Rehab**

Project No. **100240**

**Table 1. Status Summary and Total Project Performance**

Project Phase: **6 - Construction/Implementation**

Quarter	Safety	Schedule	Budget	Funding
Current	G 	G 	G 	G 
Previous	G 	Y 	G 	G 

Progress (%)	Change Prev. Qtr.	EAC/Budget
<b>63.43%</b>	15.08%	100%

**SCOPE Summary**

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:

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 "Complete".

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

Phase 3 will upgrade an additional 21 TVMs at the stations "Complete".

Phase 4 will upgrade an additional 27 TVMs at the stations.

Phase 5 will upgrade an additional 27 TVMs at the stations to complete all the TVM upgrades.

Project Manager: Robert Tam

Principal Designer: NA

Const. Contractor: Ventek

**Table 2. SAFETY INCIDENTS**

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	0
Type II Incidents	0	0

**Ticket Vending Machines (TVM) Rehab**

Project No. **100240**

**Table 3. MILESTONE SCHEDULE**

Milestones	Baseline Completion	Est. or Act. Completion	Variation (days)	Change Prev. Quarter
	(A)	(B)	(C =A-B)	(D)
Project Start	01/01/18	01/01/18	0	0
Bid Opening	09/21/18	09/21/18	0	0
LNTP	12/06/18	12/06/18	0	0
Phase 1 NTP	04/01/19	04/01/19	0	0
Contract Award	04/30/19	04/30/19	0	0
Phase 2 NTP	02/25/20	02/25/20	0	0
Phase 1 Complete	10/31/20	10/31/20	0	0
Phase 2 Complete	03/18/21	03/18/21	0	0
Phase 3 NTP	08/27/21	09/14/21	-18	0
Phase 3 Complete	03/01/22	05/24/22	-84	7
Phase 4 NTP	03/01/22	03/01/22	0	0
Phase 4 Complete	08/31/22	08/31/22	0	0
Phase 5 NTP	09/01/22	09/01/22	0	0
Phase 5 Complete	03/31/23	03/31/23	0	0
Gate 7 - Start-Up/Turnover Complete	06/30/23	06/30/23	0	0
Gate 8 - Project Closeout	09/30/23	09/30/23	0	0

Ticket Vending Machines (TVM) Rehab

Project No. 100240

Table 4. PROJECT BUDGET / ESTIMATE AT COMPLETION (in thousands of \$)

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100			0		0	
Environmental	1200			0		0	
Real Estate	2100			0		0	
Utilities Relocations	2200			0		0	
Construction ODCs	2300			0		0	
Const./Impl. Contracts	3100	3,288		3,288	3,288	0	0.0%
Construction Management	4100			0	0	0	
Design Support During Const.	4200			0	0	0	
Testing & Commissioning	4300			0	0	0	
Agency/ODCs	5000			0	0	0	
Project Management	5100	270		270	270	0	0.0%
Project & Document Control	5200	160		160	160	0	0.0%
Finance/Accounting	5300	20		20	20	0	0.0%
Contracts & Procurement	5400	47		47	47	0	0.0%
Legal	5500	11		11	11	0	0.0%
Information Technology	5600			0	0	0	
Communications/P. Relations	5700			0	0	0	
Human Resources	5800			0	0	0	
Safety/Security & Risk Mgmt.	5900			0	0	0	
Equip./Material Purchases	6100			0	0	0	
CalMod Program	7100			0	0	0	
Oper. Support	8100	40		40	40	0	0.0%
<b>Subtotals</b>	NA	<b>3,836</b>	<b>0</b>	<b>3,836</b>	<b>3,836</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	56		
Unallocated Contingency	9900	56		56	NA	0	0.0%
<b>Grand Totals</b>	<b>NA</b>	<b>3,892</b>	<b>0</b>	<b>3,892</b>	<b>3,892</b>	<b>0</b>	<b>0.0%</b>
(*) ICAP already included in totals above		271	0	271	271	0	0.0%

Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

**Ticket Vending Machines (TVM) Rehab**

Project No. **100240**

**Table 5. FUNDING** (in thousands of \$)

Fund Source	Type	Board Approved			Activated Funding (D)	Unactivated Amount (E=C-D)
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
CA-54, CA-2017, CA-2020, CA-2021, Cash Flow for Tunnel	Federal	2,016	0	2,016	2,016	0
State Transit Assistance FY19, FY20 STA Capital, FY21 VTA STA SOGR Cap	State	360	45	405	405	0
SFCTA , VTA, SAMTR, Prop K, Fare box	Other	255	12	268	268	0
Prop K 18-012, SAMTR Non CCF Prepaid	Local	164	0	164	164	0
TBD		1,040		1,040		1,040
<b>Totals</b>		<b>3,835</b>	<b>57</b>	<b>3,892</b>	<b>2,852</b>	<b>1,040</b>

**Table 6. NOTABLE RISKS** (Top 5 in order of priority) (Budget Impact in thousands of \$, Schedule Impact in days)

Risk Title	Mitigation	Impact Bud/Sched	Likelihood
None.		\$ -	

**Table 7. NOTABLE ISSUES** (Top 5 in order of priority)

Issue Title	Responsibility Status	Action	Resolution Date
Manufacture Issue.	Robert Tam Resolved.	Ventek re-ordered and received the new door panels.	5/31/2022

**KEY ACTIVITIES - Current Reporting Quarter** (top 5)

1. Ventek completed all 21 TVMs for Phase 3 on May 24, 2022.
2. Ventek ordered all the necessary parts and materials for Phase 4 to upgrade 27 TVMs.
3. Ventek received the Clipper readers from MTC.

**NEXT KEY ACTIVITIES** (top 5)

1. Receive all the necessary parts and materials for Phase 4 to upgrade 27 TVMs.
2. Complete work for Phase 4.

**PROJECT NOTES**

None.

**Ticket Vending Machines (TVM) Rehab**

Project No. **100240**

**PROJECT PHOTOS**



Photo 1 - Palo Alto TVM 106

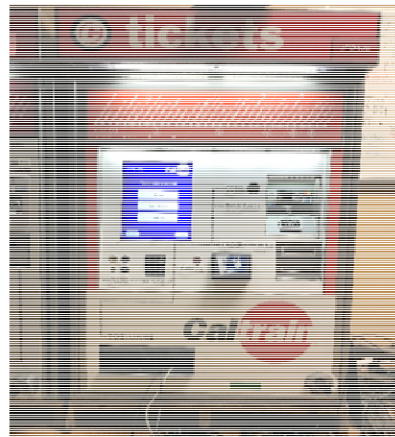


Photo 2 - Prototype TVM Door Graphics



Photo 3 - RWC TVM 65

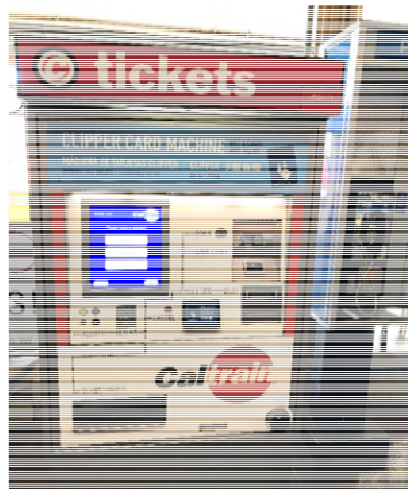


Photo 4 - San Jose

**CONSTRUCTION / IMPLEMENTATION**  
Miscellaneous

CCF BCCF Virtualization

Project No. 100430

**Table 1. Status Summary and Total Project Performance**

Project Phase: **6 – Construction/Implementation**

Quarter	Safety	Schedule	Budget	Funding
Current	G	G	G	Y
Previous	G	G	G	Y

Progress (%)	Change Prev. Qtr.	EAC/Budget
55.59%	4%	100%

1. Additional budget request of \$1.2M in FY23 funds was approved contingent on the project receiving additional funds as part of the capital budget process. Request to activate the additional funds has been sent to budgets and funds are expected to be activated in Aug'22.

**SCOPE Summary**

The scope of the Caltrain Virtualization Project is to migrate the datacenters supporting rail operations to a single virtual platform. This effort will include the primary and secondary data centers. Caltrain has two main datacenters located at San Jose (SJCC) and Menlo Park (MPCC). This project will design and build a virtualized private cloud infrastructure and server farm to support Caltrain operational systems and provide an efficient, scalable, architecture with enhanced redundant capabilities.

The major benefits for this project:

- Improves hardware consolidation and hardware utilization
- Faster provisioning of applications and resources
- Improves backup and data protection
- Improves uptime
- Increased Security

Project Manager: Michael Bartfeld  
 Principal Designer: TBD  
 Impl. Contractor: CDW Government, LLC

**Table 2. SAFETY INCIDENTS**

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	0
Type II Incidents	0	0

**Table 3. MILESTONE SCHEDULE**

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Change Prev. Quarter
	(A)	(B)	(C=A-B)	(D)
Preliminary Engineering	07/06/21	07/06/21	0	0
Bid and award	12/15/21	12/15/21	0	0
Gate 6 – Substantial Completion	09/30/23	09/30/23	0	0
Gate 7 – Start-up/Turnover	09/30/23	09/30/23	0	0
Gate 8 – Closeout	12/31/23	12/31/23	0	0



CCF BCCF Virtualization

Project No. 100430

**Table 4. PROJECT BUDGET / ESTIMATE AT COMPLETION** (in thousands of \$)

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100	88		88	88	0	0.0%
Environmental	1200			0	0	0	
Real Estate	2100			0	0	0	
Utilities Relocations	2200			0	0	0	
Construction ODCs	2300			0	0	0	
Const./Impl. Contracts	3100	1,324		1,324	1,324	0	0.0%
Construction Management	4100			0	0	0	
Design Support During Const.	4200			0	0	0	
Testing & Commissioning	4300			0	0	0	
Agency/ODCs	5000	193	295	488	488	0	0.0%
Project Management	5100	365	629	994	994	0	0.0%
Project & Document Control	5200	30	83	113	113	0	0.0%
Finance/Accounting	5300			0	0	0	
Contracts & Procurement	5400			0	0	0	
Legal	5500			0	0	0	
Information Technology	5600			0	0	0	
Communications/P. Relations	5700			0	0	0	
Human Resources	5800			0	0	0	
Safety/Security & Risk Mgmt.	5900			0	0	0	
Equip./Material Purchases	6100			0	0	0	
CalMod Program	7100			0	0	0	
Oper. Support	8100			0		0	
<b>Subtotals</b>	NA	<b>2,000</b>	<b>1,007</b>	<b>3,007</b>	<b>3,007</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	193	<b>0</b>	0.0%
Unallocated Contingency	9900		193	193	NA		
<b>Grand Totals</b>	NA	<b>2,000</b>	<b>1,200</b>	<b>3,200</b>	<b>3,200</b>	<b>0</b>	<b>0.0%</b>

(*) ICAP already included in totals above	97	53	150	150	0	
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Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

CCF BCCF Virtualization

Project No. 100430

**Table 5. FUNDING** (in thousands of \$)

Fund Source	Type	Board Approved			Activated Funding (D)	Un-activated Amount (E=C-D)
		Original (A)	Changes (B)	Current (C=A+B)		
Section 5337 JPB FY19FTA	Federal	1,080		1,080	1,080	-
Sect 5337 JPB CA-2020-133	Federal	520		520	520	-
FY19 AB664 Bridge Toll Funds (Regional Funds)	Other	400		400	400	-
TBD	Other		1,200	1,200	-	1,200
<b>Totals</b>		<b>2,000</b>	<b>1,200</b>	<b>3,200</b>	<b>2,000</b>	<b>1,200</b>

**Table 6. NOTABLE RISKS** (Top 5 in order of priority) (Budget Impact in thousands of \$, Schedule Impact in days)

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
None	-----		-----	

**Table 7. NOTABLE ISSUES** (Top 5 in order of priority)

Issue Title	Responsibility Status	Action	Resolution Date
Additional budget request of \$1.2M is not activated	Budgets and Grants ----- Awaiting for FY23 funds	Request to activate the funds has been sent to budgets	8/1/2022

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**CCF BCCF Virtualization**

Project No. **100430**

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**KEY ACTIVITIES - Current Reporting Quarter (top 5)**

1. Migrated firewalls in San Jose and Menlo Park. Started Data migration; Continued data migration for BOS and ROCS.
2. Installed Cisco Nexus switches in San Jose and Menlo Park. Installed Dell VX-Rail and Cisco Nexus in San Jose and Menlo Park data centers.
2. Finished the configuration on VMware components (Stretched cluster creation).
3. Continued review on Cisco nexus switches/VxRail TS.
4. Continued Security design work.
5. Continued Domain transformation work.

**NEXT KEY ACTIVITIES (top 5)**

1. Continue data migration for BOS.
2. Continue data migration for ROCS.
3. Perform security assessment review and fix PAN Firewall.
4. Continue Security design work.
5. Continue Redundancy enhancement review(Nexus/VxRail).

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**PROJECT NOTES**

None

Automatic Passenger Counters at San Francisco 4th & King Station

Project No. 100445

**Table 1. Status Summary and Total Project Performance**

Project Phase: **6 – Construction/Implementation**

Quarter	Safety	Schedule	Budget	Funding
Current	G	R	G	G
Previous	G	R	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
<b>99.66%</b>	0.66%	100%

1. The COVID-19 Pandemic caused the delay in development and logistics. The schedule has been escalated within Centum Adetel and Caltrain. The Centum Team provided a revised Schedule to complete installation, commissioning and training by 7/30/2022. Project Manager to request schedule re-baseline at July 2022 Management Committee meeting.

**SCOPE Summary**

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.

Project Manager: Njomele Hong  
 Principal Designer: NA  
 Const. Contractor: Centum Adetel Transportation

**Table 2. SAFETY INCIDENTS**

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	0
Type II Incidents	0	0

**Table 3. MILESTONE SCHEDULE**

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Change Prev. Quarter
	(A)	(B)	(C=A-B)	(D)
Project Start	12/01/19	12/01/19	0	0
Issue RFP	05/01/20	05/01/20	0	0
Main Contract Award	02/03/21	02/03/21	0	0
Gate 6 - Substantial Completion	10/31/21	07/30/22	-272	0
Gate 7 - Start-Up / Turnover Complete	12/15/21	10/30/22	-319	0
Gate 8 - Project Closeout Complete	02/15/22	12/31/22	-319	0

Automatic Passenger Counters at San Francisco 4th & King Station

Project No. 100445

**Table 4. PROJECT BUDGET / ESTIMATE AT COMPLETION** (in thousands of \$)

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100			0		0	
Environmental	1200			0		0	
Real Estate	2100			0		0	
Utilities Relocations	2200			0		0	
Construction ODCs	2300			0		0	
Const./Impl. Contracts	3100	100		100	100	0	0.0%
Construction Management	4100	25		25	25	0	0.0%
Design Support During Const.	4200			0		0	
Testing & Commissioning	4300			0		0	
Agency/ODCs	5000			0		0	
Project Management	5100	100		100	100	0	0.0%
Project & Document Control	5200	30		30	30	0	0.0%
Finance/Accounting	5300			0		0	
Contracts & Procurement	5400	10		10	10	0	0.0%
Legal	5500	10		10	10	0	0.0%
Information Technology	5600			0		0	
Communications/P. Relations	5700			0		0	
Human Resources	5800			0		0	
Safety/Security & Risk Mgmt.	5900			0		0	
Equip./Material Purchases	6100			0		0	
CalMod Program	7100			0		0	
Oper. Support	8100	75		75	75	0	0.0%
<b>Subtotals</b>	NA	<b>350</b>	<b>0</b>	<b>350</b>	<b>350</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	50		
Unallocated Contingency	9900	50		50	NA	<b>0</b>	<b>0.0%</b>
<b>Grand Totals</b>	NA	<b>400</b>	<b>0</b>	<b>400</b>	<b>400</b>	<b>0</b>	<b>0.0%</b>
(*) ICAP already included in totals above		16	0	16	16	0	0.0%

Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

**Table 5. FUNDING** (in thousands of \$)

Fund Source	Type	Board Approved			Activated Funding	Un-activated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
SFCTA Prop K	Local	400		400	400	0
<b>Totals</b>		<b>400</b>	<b>0</b>	<b>400</b>	<b>400</b>	<b>0</b>

**Automatic Passenger Counters at San Francisco 4th & King Station**

Project No. **100445**

**Table 6. NOTABLE RISKS (Top 5 in order of priority) (Budget Impact in thousands of \$, Schedule Impact in days)**

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
System installation	Centum Adetel	Double check existing system that is awaiting the installation of server by Centum. Centum shall observe the opening of containers and installation of server by Morrow to eliminate any finger pointing issue on server.	\$ -	High
	Android Interface and server schedule for installation slip schedule and APC integration to satisfy Caltrain.		60	
COVID International Travel	Centum Adetel	Call to confirm no issues with travel in a few weeks (if the technician does not have vaccination, and no alternate is available, add 4 weeks to schedule).	\$ -	Low
	Centum Adetel technicians should travel from Montreal to USA. They need Vaccination and other permits not Caltrain Responsibility.		4	

**Table 7. NOTABLE ISSUES (Top 5 in order of priority)**

Issue Title	Responsibility Status	Action	Resolution Date
None			

**KEY ACTIVITIES - Current Reporting Quarter**

1. Centum confirmed change order.
2. Installed Server, received tablets.
3. The System has been commissioned.
4. The system is being validated.
5. Operations and IT have been trained on the maintenance and operation of the system.

**NEXT KEY ACTIVITIES**

1. Complete the as built drawing, close the document control step for the project.
2. Complete validation and roll to operations.
3. Leadership is sponsoring a change to the web interface to include counting passengers leaving the station on arriving trains.

**PROJECT NOTES**

None

Automatic Passenger Counters at San Francisco 4th & King Station

Project No. 100445

PROJECT PHOTOS



Photo 1 - Thumbnail



Photo 2 - Doors 1, 2, 3 and 4



Photo 3 - Doors 9, 10, 11 and 12



Photo 4 - Doors 5, 6, 7 and 8 APC

**DESIGN**  
Grade Separations



South Linden Avenue and Scott Street Grade Separation

Project No. 002152

Table 1. Status Summary and Total Project Performance

Quarter	Safety	Schedule	Budget	Funding
Current	G	G	G	G
Previous	G	G	G	G

Project Phase: 3 - Development (35%)

Progress (%)	Change Prev. Qtr.	EAC/Budget
TBD	0.00%	100%

SCOPE Summary

The South Linden Avenue and Scott Street Grade Separation Project is proposed to improve safety and decrease expected future traffic delays due to growth in vehicle traffic, greater frequency of Caltrain service, and the eventual addition of high speed rail. South Linden Avenue is located in South San Francisco; Scott Street is in San Bruno. Although located in different cities, the two grade separations are proposed to be undertaken as a combined effort. Since the two crossing locations are located only 1,850 feet apart, the grade separation of one crossing could affect the other.

The Cities of South San Francisco and San Bruno are co-sponsors of the Project.

Project Manager: Alexander Acenas

Principal Designer: TBD

Const. Contractor: TBD

Table 2. SAFETY INCIDENTS

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	0
Type II Incidents	0	0

Table 3. MILESTONE SCHEDULE

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Δ Prev Quarter
	(A)	(B)	(C=A-B)	(D)
Draft PSR	01/31/21	01/31/21	0	0
Final PSR	04/30/21	04/30/21	0	0
Environmental Clearance Complete	04/30/23	04/30/23	0	0
Gate 3 - 35% Development Complete	10/31/24	10/31/24	0	0
Gate 4 - 65% Development Complete	10/31/25	10/31/25	0	0
Gate 5 - 100% Development Complete/IFB	04/30/27	04/30/27	0	0
ROW Permits Complete	03/31/28	03/31/28	0	0
IFB	10/01/27	10/01/27	0	0
Main Contract Award	04/30/28	04/30/28	0	0
NTP	05/01/28	05/01/28	0	0
Gate - 6 Substantial Completion	06/30/31	06/30/31	0	0
Gate - 7 Start-up/Turnover Complete	10/31/31	10/31/31	0	0
Gate - 8 Project Closeout Complete	01/31/32	01/31/32	0	0

## South Linden Avenue and Scott Street Grade Separation

Project No. 002152

Table 4. PROJECT BUDGET / ESTIMATE AT COMPLETION (in thousands of \$)

Type of Work		Budget*			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C=A+B)	(D)	(E=C-D)	(F=E/C)
Planning & Engineering	1100	15,976		15,976	15,976	0	0.0%
Environmental	1200	2,288		2,288	2,288	0	0.0%
Real Estate	2100	8,216		8,216	8,216	0	0.0%
Utilities Relocations	2200	7,904		7,904	7,904	0	0.0%
Const./Impl. Contracts	3100	230,880		230,880	230,880	0	0.0%
Construction Management	4100	6,240		6,240	6,240	0	0.0%
Design Support During Const.	4200	1,300		1,300	1,300	0	0.0%
Testing & Commissioning	4300	1,300		1,300	1,300	0	0.0%
Agency/ODCs	5000	78		78	78	0	0.0%
Project Management	5100	1,508		1,508	1,508	0	0.0%
Project & Document Control	5200	468		468	468	0	0.0%
Finance/Accounting	5300	135		135	135	0	0.0%
Contracts & Procurement	5400	187		187	187	0	0.0%
Legal	5500	62		62	62	0	0.0%
Information Technology	5600	0		0	0	0	
Communications/P. Relations	5700	62		62	62	0	0.0%
Human Resources	5800	0		0	0	0	
Safety/Security & Risk Mgmt.	5900	104		104	104	0	0.0%
Equip./Material Purchases	6100	0		0	0	0	
CalMod Program	7100	177		177	177	0	0.0%
Oper. Support	8100	749		749	749	0	0.0%
<b>Subtotals</b>	NA	<b>277,635</b>	<b>0</b>	<b>277,635</b>	<b>277,635</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	27,725	0	0.0%
Unallocated Contingency	9900	27,725		27,725	NA		
<b>Grand Totals</b>	NA	<b>305,360</b>	<b>0</b>	<b>305,360</b>	<b>305,360</b>	<b>0</b>	<b>0.0%</b>
(*) ICAP already included in totals above		11,745	0	11,745	11,745	0	0.0%

Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

Table 5. FUNDING (in thousands of \$)

Fund Source	Type	Board Approved			Activated Funding	Un-activated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
San Mateo County TA	Local	650		650	650	0
City of San Bruno	Local	60		60	60	0
City of South San Francisco	Local	100		100	100	0
SAMTR Non CCF Prepaid	Local	85		85	85	0
<b>Totals</b>		<b>895</b>	<b>0</b>	<b>895</b>	<b>895</b>	<b>0</b>

**South Linden Avenue and Scott Street Grade Separation**

Project No. **002152**

**Table 6. NOTABLE RISKS (Top 5 in order of priority) (Budget Impact in thousands of \$, Schedule Impact in days)**

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
			\$ -	

**Table 7. NOTABLE ISSUES (Top 5 in order of priority)**

Issue Title	Responsibility Status	Action	Resolution Date
Varying design standards between Caltrain and California High Speed Rail on the curve between Colma Creek and South Linden Avenue	Melissa Reggiardo/Dennis Kearney ----- Caltrain standards for 110 mph operations would cause significant impacts to adjacent property. High Speed Rail assumes no track changes in this area but assumes speeds could reach up to 110 mph.	The design in the PSR was modified to allow for reduced speeds. Caltrain versus High Speed Rail curve design and speed assumptions must be revisited during the next phase of project development to determine what standards should be used in more detailed design phases.	TBD

**KEY ACTIVITIES - Current Reporting Quarter (top 5)**

1. Continued drafting the RFP for Preliminary Engineering design consultant.
2. SMCTA issued MOU to Cities of SSF and San Bruno for review and signature.

**NEXT KEY ACTIVITIES (top 5)**

1. Coordinate the signing of the MOU by the Cities of SSF and San Bruno, JPB and TA.
2. Complete draft RFP for Preliminary Engineering design consultant, perform internal review and finalize. Publish legal ad on 7/25/22, upload to bonfire on 8/1/22, award at Dec JPB Board meeting.
3. Discuss RFP at the 7/8/22 Contract Change Committee.

**PROJECT NOTES**

**Burlingame Broadway Grade Separation**

Project No. **100244**

**Table 1. Status Summary and Total Project Performance**

Quarter	Safety	Schedule	Budget	Funding
Current	G	G	G	G
Previous	G	R	G	G

Project Phase: **4 - Development (65%)**

Progress (%)	Change Prev. Qtr.	EAC/Budget
<b>3.7%</b>	0.1%	100%

**SCOPE Summary**

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

Project Manager: Alex Acenas  
 Principal Designer: Mark Thomas  
 Const. Contractor: NA

**Table 2. SAFETY INCIDENTS**

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	0
Type II Incidents	0	0

**Table 3. MILESTONE SCHEDULE**

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Δ Prev Quarter
	(A)	(B)	(C=A-B)	(D)
Project Start	12/18/17	12/18/17	0	0
Final Design Award	11/05/20	11/05/20	0	0
Final Design NTP	01/04/21	01/04/21	0	0
Burlingame/Broadway Paralleling Station - PS-3 MOU	09/02/21	09/02/21	0	0
Gate 3 - 35% Development Complete	01/07/22	01/07/22	0	0
Finish Value Engineering Work	01/07/22	01/07/22	0	0
Gate 4 - 65% Development Complete	11/11/22	11/11/22	0	0
Environmental Clearance Complete	12/08/23	12/08/23	0	0
Gate 5 - 100% Development Complete / IFB	01/05/24	01/05/24	0	0
ROW Permits Complete	06/30/24	06/30/24	0	0
IFB	07/01/24	07/01/24	0	0
Main Contract Award	10/31/24	10/31/24	0	0
NTP	11/01/24	11/01/24	0	0
Gate 6 - Substantial Completion	04/30/28	04/30/28	0	0
Gate 7 - Start-Up/Turnover Complete	08/01/28	08/01/28	0	0
Gate 8 - Project Closeout Complete	12/01/28	12/01/28	0	0

**Burlingame Broadway Grade Separation**

Project No. **100244**

**Table 4. PROJECT BUDGET / ESTIMATE AT COMPLETION** (in thousands of \$)

Type of Work		Budget*			Estimate at Completion	Variation	
Title	Code	Original (A)	Changes (B)	Current (C =A+B)		Amount (E =C-D)	Percentage (F =E/C)
Planning & Engineering	1100	15,808		15,808	15,808	0	0.0%
Environmental	1200	2,288		2,288	2,288	0	0.0%
Real Estate	2100	6,448		6,448	6,448	0	0.0%
Utilities Relocations	2200	6,240		6,240	6,240	0	0.0%
Const./Impl. Contracts	3100	242,944		242,944	242,944	0	0.0%
Construction Management	4100	5,200		5,200	5,200	0	0.0%
Design Support During Const.	4200	1,040		1,040	1,040	0	0.0%
Testing & Commissioning	4300	1,040		1,040	1,040	0	0.0%
Agency/ODCs	5000	73		73	73	0	0.0%
Project Management	5100	5,096		5,096	5,096	0	0.0%
Project & Document Control	5200	426		426	426	0	0.0%
Finance/Accounting	5300	0		0	0	0	
Contracts & Procurement	5400	151		151	151	0	0.0%
Legal	5500	42		42	42	0	0.0%
Information Technology	5600	0		0	0	0	
Communications/P. Relations	5700	52		52	52	0	0.0%
Human Resources	5800	0		0	0	0	
Safety/Security & Risk Mgmt.	5900	83		83	83	0	0.0%
Equip./Material Purchases	6100	0		0	0	0	
CalMod Program	7100	142		142	142	0	0.0%
Oper. Support	8100	667		667	667	0	0.0%
<b>Subtotals</b>	NA	<b>287,740</b>	<b>0</b>	<b>287,740</b>	<b>287,740</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	28,663	<b>0</b>	<b>0.0%</b>
Unallocated Contingency	9900	28,663		28,663	NA		
<b>Grand Totals</b>	NA	<b>316,403</b>	<b>0</b>	<b>316,403</b>	<b>316,403</b>	<b>0</b>	<b>0.0%</b>
(*) ICAP already included in totals above		12,169	0	12,169	12,169	0	0.0%

Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

**Burlingame Broadway Grade Separation**

Project No. **100244**

**Table 5. FUNDING** (in thousands of \$)

Fund Source	Type	Board Approved			Activated Funding (D)	Un-activated Amount (E=C-D)
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
SMCTA Cap Contr	Local	4,550	18,863	23,413	23,413	0
City of Burlingame MOU Grad Sep	Other	1,500	500	2,000	2,000	0
<b>Totals</b>		<b>6,050</b>	<b>19,363</b>	<b>25,413</b>	<b>25,413</b>	<b>0</b>

**Table 6. NOTABLE RISKS** (Top 5 in order of priority) (Budget Impact in thousands of \$, Schedule Impact in days)

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
1. Right of Way Acquisition - SMCTA and City & County of San Francisco	City, SMCTA, JPB ----- TBD	Determine funding source, seek funds for acquisition.	\$11M -----	

**Table 7. NOTABLE ISSUES** (Top 5 in order of priority)

ID – Issue Title	Responsibility Status	Action	Resolution Date
	-----		

**KEY ACTIVITIES - Current Reporting Quarter** (top 5)

1. Conducted review (page turner) of progress set (updated 35% set) on 6/24/22.
2. Continued utility location coordination.
3. Updated the City's Traffic, Safety and Parking Commission regarding proposed bike and ped improvements.
4. Obtained City Council subcommittee approval to seek public feedback regarding proposed architectural and landscaping design.
5. Obtained Management Committee to re-baseline the project schedule and budget.

**NEXT KEY ACTIVITIES** (top 5)

1. Plan, prepare for and conduct public outreach on 7/13/22 to seek public comment re proposed architectural and landscaping design.
2. Continue coordination with Real Estate regarding surveys, right of way and property acquisitions including acquisition of SMCTA and CCSF property within the project limits valued at approximately \$11 million.
3. Evaluate technical proposals from CPM and Jacobs to assist with Project Delivery Method assessment and make a selection.

**PROJECT NOTES**

1. Schedule and Budget were rebaselined this quarter.

Burlingame Broadway Grade Separation

Project No. 100244

PROJECT PHOTOS



Photo 1 - After construction (rendering)



Photo 3 - Pedestrian Station Entrance East (rendering)



Photo 3 - Broadway/California Dr. (rendering)











Photo 4 - Center Board Platform (rendering)

Rengstorff Grade Separation

Project No. 100482

**Table 1. Status Summary and Total Project Performance**

Project Phase: **3 – Development (35%)**

Quarter	Safety	Schedule	Budget	Funding
Current	G 	R 	G 	G 
Previous	G 	R 	G 	G 

Progress (%)	Change Prev. Qtr.	EAC/Budget
<b>1.42%</b>	0.00%	96%

1. 35% design submittal delayed due to additional geotechnical investigation, traffic studies and revised geometric design, delaying the consultant’s change order approval, and additional county’s comments and mitigations. Schedule will be re-baselined after 10/6/22, when MOU is received from the City and internal reviews (legal, Sr. Management, others) have been completed and the next phase (Final Design) of the project is approved by the Management Committee. Currently, the MOU is being reviewed by our Legal Counsel and Senior Management.

**SCOPE Summary**

The project proposes to replace the existing at-grade train crossing at Rengstorff Avenue with a grade separated crossing in the City of Mountain View. In 2014, the City of Mountain View completed a Rengstorff 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 Rengstorff 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 of approximately 1,200 feet of Rengstorff Avenue and 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.

Project Manager: Arul Edwin  
 Principal Designer: AECOM  
 Const. Contractor: N/A

**Table 2. SAFETY INCIDENTS**

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	0
Type II Incidents	0	0



## Rengstorff Grade Separation

Project No. 100482

Table 3. MILESTONE SCHEDULE

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Δ Prev Quarter
	(A)	(B)	(C=A-B)	(D)
Preliminary Design	12/15/21	09/30/22	-289	0
MOU/ CO-OP Agreement with City of Mountain View for Final Design	12/15/21	10/06/22	-295	-91
Award Design Contract	12/01/22	04/30/23	-150	-90
Gate 4 – 65% Approval	03/06/23	03/31/24	-391	-486
95% Design	08/02/23	09/30/24	-425	-426
100% Design	02/02/24	03/30/25	-422	-423
All Permits Received	02/03/24	06/30/25	-513	-425
Gate 5 – 100/IFB	02/02/24	03/30/25	-422	-333
Construction Contract Award - Board Approval	01/02/25	01/30/26	-393	-639
Gate 6 – Substantial Completion	10/01/27	09/30/28	-365	-1,399
Gate 7 – Start-up/Turnover	11/01/27	11/30/28	-395	-548
Gate 8 – Closeout	12/01/27	12/31/28	-396	-487

Rengstorff Grade Separation

Project No. 100482

**Table 4. PROJECT BUDGET / ESTIMATE AT COMPLETION (in thousands of \$)**

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100	12,500		12,500	12,019	481	3.8%
Environmental	1200	500		500	481	19	3.8%
Real Estate	2100	25,000		25,000	24,038	962	3.8%
Utilities Relocations	2200	25,000		25,000	24,038	962	3.8%
Construction ODCs	2300			0	0	0	
Const./Impl. Contracts	3100	190,000		190,000	182,692	7,308	3.8%
Construction Management	4100	5,727		5,727	5,507	220	3.8%
Design Support During Const.	4200	2,995		2,995	2,880	115	3.8%
Testing & Commissioning	4300	0		0	0	0	
Agency/ODCs	5000	2,487		2,487	2,391	96	3.8%
Project Management	5100			0	0	0	
Project & Document Control	5200			0	0	0	
Finance/Accounting	5300			0	0	0	
Contracts & Procurement	5400			0	0	0	
Legal	5500			0	0	0	
Information Technology	5600			0	0	0	
Communications/P. Relations	5700			0	0	0	
Human Resources	5800			0	0	0	
Safety/Security & Risk Mgmt.	5900			0	0	0	
Equip./Material Purchases	6100			0	0	0	
CalMod Program	7100			0	0	0	
Oper. Support	8100	4,000		4,000	3,846	154	3.8%
<b>Subtotals</b>	NA	<b>268,209</b>	<b>0</b>	<b>268,209</b>	<b>257,893</b>	<b>10,316</b>	<b>3.8%</b>
Unknown Risks	NA	NA	NA	NA	14,000	0	0.0%
Unallocated Contingency	9900	14,000		14,000	NA		
<b>Grand Totals</b>	NA	<b>282,209</b>	<b>0</b>	<b>282,209</b>	<b>271,893</b>	<b>10,316</b>	<b>3.7%</b>

(\*) ICAP already included in totals above

Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

**Table 5. FUNDING (in thousands of \$)**

Fund Source	Type	Board Approved			Activated Funding	Un-activated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
City of Mountain View MOU	Other	3,500		3,500	3,500	0
<b>Totals</b>		<b>3,500</b>	<b>0</b>	<b>3,500</b>	<b>3,500</b>	<b>0</b>

**Rengstorff Grade Separation**

Project No. **100482**

**Table 6. NOTABLE RISKS** (Top 5 in order of priority) (Budget Impact in thousands of \$, Schedule Impact in days)

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
None.				

**Table 7. NOTABLE ISSUES** (Top 5 in order of priority)

Issue Title	Responsibility Status	Action	Resolution Date
35% design submittal delayed due to additional geotechnical investigation and traffic studies, delaying the consultant’s change order approval, and additional county’s comments and mitigations	City of Mountain View, AECOM, and JPB JPB awaiting final 35% design submittal in August 2022.	JPB to coordinate with Legal, Sr. Management, and others after MOU has been received and proceed to the next phase (Final Design).	10/6/2022

**KEY ACTIVITIES - Current Reporting Quarter** (top 5)

1. Continued working with AECOM on geometric design issues.
2. Continued monthly meeting updates with the City and AECOM.
3. AECOM developed alternative intersection lane configuration/geometry.

**NEXT KEY ACTIVITIES** (top 5)

1. Continue monthly meeting updates with the City and AECOM.
2. Complete 35% design submittal.
3. Complete Cooperative agreement review by Legal Counsel and Caltrain senior management.

**PROJECT NOTES**

None.

**PROJECT PHOTOS**



Photo 1 - Project Rendering

**Mountain View Transit Center and Grade Separation & Access Project**

Project No. **100617**

**Table 1. Status Summary and Total Project Performance**

Project Phase: **Procurement**

Quarter	Safety	Schedule	Budget	Funding
Current	G	G	G	G
Previous	G	G	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
<b>0.20%</b>	0.00%	0%

**SCOPE Summary**

In May 2017, Mountain View City Council adopted the Transit Center Master Plan as the first step in a multi-year process to plan, design and construct the new station area and improve Castro Street. The master planning process considered interrelated options for station access, expressway crossing, grade separation, platform extension, bus/shuttle circulation, vehicle parking and joint development with a view to supporting future Downtown vitality, station access, and multimodal Circulation.

The conceptual plan adopted by Council includes redirection of Castro Street at West Evelyn Avenue; construction of a new ramp from West Evelyn Avenue to Shoreline Boulevard; installation of pedestrian and bicycle undercrossings across the expressway and Caltrain tracks; changes to Moffett/Central intersection; and platform widening and extension to the west. Update the Milestone list for the project and only include major milestones. The co-op agreement between VTA, JPB, and Mountain View has been signed, as JPB is the lead implementing agency to delivery final design, and construction. VTA is the funding sponsor, as Mountain View is a vital partner in reviewing final design deliverables and coordinating activities within its right of way.

Project Manager: Alvin Piano  
 Principal Designer: HNTB Corporation  
 Const. Contractor: TBD

**Table 2. SAFETY INCIDENTS**

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	0
Type II Incidents	0	0

**Table 3. MILESTONE SCHEDULE**

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Change Prev. Quarter
	(A)	(B)	(C=A-B)	(D)
Project Start	01/01/20	01/01/20	0	0
Award Design Contract	06/02/22	06/02/22	0	0
NTP for Final Design	07/08/22	07/08/22	0	0
IFB	08/01/22	08/01/22	0	0
Gate 4 - 65% Development Complete	07/22/23	07/22/23	0	0
Gate 5 - 100% Development Complete/IFB	06/01/24	06/01/24	0	0
Main Construction Contract	07/01/24	07/01/24	0	0
NTP	08/01/24	08/01/24	0	0
ROW Permits Complete	01/01/25	01/01/25	0	0
Gate 6 - Substantial Completion	04/30/27	04/30/27	0	0
Gate 7 - Start-UP/Turnover Complete	08/01/27	08/01/27	0	0
Gate 8 - Project Closeout	11/01/27	11/01/27	0	0

**Mountain View Transit Center and Grade Separation & Access Project**

Project No. **100617**

**Table 4. PROJECT BUDGET / ESTIMATE AT COMPLETION** (in thousands of \$)

Type of Work		Budget*			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C=A+B)	(D)	(E=C-D)	(F=E/C)
Planning & Engineering	1100	12,058		12,058	12,058	0	0.0%
Environmental	1200	308		308	308	0	0.0%
Real Estate	2100	1,184		1,184	1,184	0	0.0%
Utilities Relocations	2200	12,293		12,293	12,293	0	0.0%
Const./Impl. Contracts	3100	107,578		107,578	107,578	0	0.0%
Construction Management	4100	1,525		1,525	1,525	0	0.0%
Design Support During Const.	4200	1,040		1,040	1,040	0	0.0%
Testing & Commissioning	4300	1,040		1,040	1,040	0	0.0%
Agency/ODCs	5000	260		260	260	0	0.0%
Project Management	5100	2,219		2,219	2,219	0	0.0%
Project & Document Control	5200	495		495	495	0	0.0%
Finance/Accounting	5300	495		495	495	0	0.0%
Contracts & Procurement	5400	391		391	391	0	0.0%
Legal	5500	485		485	485	0	0.0%
Information Technology	5600	0		0	0	0	
Communications/P. Relations	5700	114		114	114	0	0.0%
Human Resources	5800	0		0	0	0	
Safety/Security & Risk Mgmt.	5900	114		114	114	0	0.0%
Equip./Material Purchases	6100	0		0	0	0	
CalMod Program	7100	166		166	166	0	0.0%
Oper. Support	8100	1,525		1,525	1,525	0	0.0%
<b>Subtotals</b>	NA	<b>143,289</b>	<b>0</b>	<b>143,289</b>	<b>143,289</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	27,128	<b>0</b>	0.0%
Unallocated Contingency	9900	27,128		27,128	NA		
<b>Grand Totals</b>	NA	<b>170,417</b>	<b>0</b>	<b>170,417</b>	<b>170,417</b>	<b>0</b>	<b>0.0%</b>

(\*) ICAP already included in totals above      6,554      0      6,554      6,554      0      0.0%

Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

**Table 5. FUNDING** (in thousands of \$)

Fund Source	Type	Board Approved			Activated Funding	Unactivated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
City of Mountain View	Other	135		135	135	0
VTA	Other	10,000		10,000	10,000	0
<b>Totals</b>		<b>10,135</b>	<b>0</b>	<b>10,135</b>	<b>10,135</b>	<b>0</b>

**Table 6. NOTABLE RISKS** (Top 5 in order of priority) (Budget Impact in thousands of \$, Schedule Impact in days)

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
	-----		-----	

Mountain View Transit Center and Grade Separation & Access Project

Project No. 100617

Table 7. NOTABLE ISSUES (Top 5 in order of priority)

Issue Title	Responsibility Status	Action	Resolution Date
Board Action to authorize Third Party Service Agreement with County of Santa Clara	JPB & External Stakeholders JPB to directly contact County of Santa Clara team to discuss 3rd party service agreement.	JPB to coordinate with the County of Santa Clara on Third Party service cost. May Require Board actions to enter in agreement with County of Santa Clara, similar to PCEP Project.	8/4/22 (Tentative)
Future Maintenance and Operations Agreement	JPB & External Stakeholders Agreement is required for future maintenance and operations for this project's after construction.	JPB to coordinate with Real Estate, Legal and External Stakeholders for further discussion.	TBD
Board Action to authorize to amend the Cooperative Agreement for additional budget for Final Design and CMGC Pre-construction phase	JPB & External Stakeholders PM team to prepare board documents (Staff Report, Resolution, and Power Point).	JPB to coordinate with City of Mountain View and VTA for Final Design and CMGC Pre-Construction Phase	10/6/22 (Tentative)
Final Design GEC Estimates are of high value	External Stakeholders Resolved.	VTA is using Measure B Budget to fund the project. This requires amendment to the existing Cooperative Agreement.	05/05/22
Construction Manager/General (CMGC) Contractor Pre-Construction costs	JPB & External Stakeholders Resolved.	VTA is using Measure B Budget to fund the project. This requires amendment to the existing Cooperative Agreement.	05/05/22

KEY ACTIVITIES - Current Reporting Quarter (top 5)

- Continued to reach out to County of Santa Clara to engage in third party service agreement for future design review (negotiate agreement; prepare documents for October 2022 (Tentative) for Board Authorization).
- Continued to work with City of Mountain View and VTA for Amendment to Cooperative Agreement for Final Design and CMGC pre-construction phase (negotiate costs, prepare documents for October 2022 (Tentative) Board for Amendment Authorization).
- Continued to work with Rail Development staff to present at WPLP to adopt CMGC findings and authorize CMGC Delivery method. Scheduled for the August 2022 Board meeting.
- Continued to meet with funding partners (Technical Working Group) and Project Controls to provide monthly updates to the project.
- Obtained Management Committee Meeting Approval to rebaseline of budget, scope, and schedule for Final Design and CMGC Pre-Construction Phase.

NEXT KEY ACTIVITIES (top 5)

- Continue to reach out to County of Santa Clara to engage in third party service agreement for future design review (negotiate agreement; prepare documents for October 2022 (Tentative) for Board Authorization).
- Continue to work with City of Mountain View and VTA for Amendment to Cooperative Agreement for Final Design and CMGC pre-construction phase (negotiate costs, prepare documents for October 2022 (Tentative) Board for Amendment Authorization).
- Continue to work with Rail Development staff to present at August 2022 Board meeting to adopt CMGC findings and authorize CMGC Delivery method.
- Continue to meet with funding partners (Technical Working Group) and Project Controls to provide monthly updates to the project.
- Work with HNTB staff to prepare agenda for Final Design kick-off meeting scheduled in late July 2022.

PROJECT NOTES

- Schedule and budget were re-baselined based on Phase Gate form approved by the Management Committee.

Mountain View Transit Center and Grade Separation & Access Project

Project No. 100617

PROJECT PHOTOS



Photo 1 - Ariel view of Castro Street in Mountain View, CA



Photo 2- Project rendering of overall project



Photo 3 - Project rendering of undercrossing



Photo 4 - Project rendering of pedestrian flow via undercrossing

DESIGN  
ROW Bridges











**Guadalupe River Bridges Replacement and Extension**

Project No. **002113**

**Table 1. Status Summary and Total Project Performance**

Project Phase: **5 - Development (100/IFB)**

Quarter	Safety	Schedule	Budget	Funding
Current	G 	G 	G 	Y 
Previous	G 	R 	G 	Y 

Progress (%)	Change Prev. Qtr.	EAC/Budget
<b>20.9%</b>	5.26%	100%

1. Identified sources of funds that cover the entire project costs. Agency has not received and/or activated the entire fiscal year 2022 appropriation by the JPB Board. The remainder of the funds will be activated in July 2022.

**SCOPE Summary**

The purpose of the project is to address the instability of the Guadalupe River channel in the vicinity of the two railroad bridges, MT1 and MT2 over the Guadalupe River in San Jose and addressing the long-term public safety and service reliability. The work consists of:

- Full replacement of MT1 bridge built in 1935 on wooden piles from a 187-foot in length to new 265-foot bridge with center span of 110 foot over the river.
- Partial Replacement of MT2 bridge which was built in 1990 by replacing the south abutment and extending it from an existing of 195 feet bridge to approximately 250 feet.
- Relocation of communications and Fiber Optic lines and extensive channel grading that causes major erosion and

Project Manager: Alfred Darmousseh  
 Principal Designer: HDR Engineering, Inc.  
 Const. Contractor: N/A

**Table 2. SAFETY INCIDENTS**

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	0
Type II Incidents	0	0

Guadalupe River Bridges Replacement and Extension

Project No. 002113

Table 3. MILESTONE SCHEDULE

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Change Prev. Quarter
	(A)	(B)	(C=A-B)	(D)
Project Start	08/21/17	08/21/17	0	0
Preliminary Design (35%)	04/30/20	04/30/20	0	0
65% Design	11/30/20	11/30/20	0	0
Environmental Clearance NEPA	04/27/21	04/27/21	0	0
95% Design	11/01/21	11/01/21	0	0
100% Design	11/20/21	11/20/21	0	0
Completion of Arbitration with UPRR	04/07/22	04/07/22	0	0
Gate 5 – 100/IFB	04/28/22	06/15/22	-48	-48
All Permits Received	05/24/22	08/01/22	-69	-69
Completion of IFB & Board Award	09/01/22	10/06/22	-35	-35
Executing Contract & LNTP	10/03/22	10/15/22	-12	-12
Gate 6 – Substantial Completion	12/01/24	02/14/25	-75	-75
Gate 7 – Start-up/Turnover	03/31/25	03/31/25	0	0
Gate 8 – Closeout	06/30/25	06/30/25	0	0

Guadalupe River Bridges Replacement and Extension

Project No. 002113

Table 4. PROJECT BUDGET / ESTIMATE AT COMPLETION (in thousands of \$)

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C=A+B)	(D)	(E=C-D)	(F=E/C)
Planning & Engineering	1100	1,800	4,234	6,034	6,034	0	0.0%
Environmental	1200		982	982	982	0	0.0%
Real Estate	2100		108	108	108	0	0.0%
Utilities Relocations	2200		313	313	313	0	0.0%
Construction ODCs	2300			0		0	
Const./Impl. Contracts	3100		26,459	26,459	26,459	0	0.0%
Construction Management	4100		4,888	4,888	4,888	0	0.0%
Design Support During Const.	4200		586	586	586	0	0.0%
Testing & Commissioning	4300		0	0	0	0	
Agency/ODCs	5000			0	0	0	
Project Management	5100	500	3,115	3,615	3,615	0	0.0%
Project & Document Control	5200		429	429	429	0	0.0%
Finance/Accounting	5300		45	45	45	0	0.0%
Contracts & Procurement	5400		33	33	33	0	0.0%
Legal	5500		2,104	2,104	2,104	0	0.0%
Information Technology	5600		0	0	0	0	
Communications/P. Relations	5700		47	47	47	0	0.0%
Human Resources	5800		0	0	0	0	
Safety/Security & Risk Mgmt.	5900		47	47	47	0	0.0%
Equip./Material Purchases	6100		0	0	0	0	
CalMod Program	7100		16	16	16	0	0.0%
Stations, Stops, Terminals, In	7300		0	0	0	0	
Professional Services	7800		0	0	0	0	
Oper. Support	8100		1,057	1,057	1,057	0	0.0%
<b>Subtotals</b>	NA	<b>2,300</b>	<b>44,462</b>	<b>46,762</b>	<b>46,762</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	5,463	<b>0</b>	0.0%
Unallocated Contingency	9900		5,463	5,463	NA		
<b>Grand Totals</b>	NA	<b>2,300</b>	<b>49,925</b>	<b>52,225</b>	<b>52,225</b>	<b>0</b>	<b>0.0%</b>

(*) ICAP already included in totals above	92	2,151	2,243	2,243	0	
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Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

**Guadalupe River Bridges Replacement and Extension**

Project No. **002113**

**Table 5. FUNDING** (in thousands of \$)

Fund Source	Type	Board Approved			Activated Funding	Un-activated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
SAMTR Non CCF Prepaid	Local	100		100	100	0
VTA Non CCF Prepaid	Other	400		400	400	0
SFCTA Prop K	Other	1,828		1,828	1,828	0
FTA	Federal	9,880	1,591	11,471	9,880	1,591
VTA STA SOGR Cap	State	193	398	590	193	398
Funds from 3 member agencies	Local		1,964	1,964		1,964
<b>Totals</b>		<b>12,400</b>	<b>3,953</b>	<b>16,353</b>	<b>12,400</b>	<b>3,953</b>

**Table 6. NOTABLE RISKS** (Top 5 in order of priority) (Budget Impact in thousands of \$, Schedule Impact in days)

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
3rd Party Fiber Optic (leases thru. UPRR)	JPB Legal	Continue discussion with UPRR related to 3rd Party Fiber Optic Relocation and design required to complete this work.	\$ 10,000	Med
	UPRR has reached out to JPB to commence discussion of Fiber Optic.		TBD	
PCEP OCS Removal and Replacement Timeline Coordination.	JPB PM / PCEP / Sr. Management	Discussion to advance the replacement of OCS by two weeks to October 15, 2023 in order to provide PCEP time to complete their required testing and commissioning.	\$ 10,000	Med
	Continue to discuss / Coordinate with PCEP regarding the timeline of OCS Removal and Replacement to meet both projects milestones.		TBD	

**Table 7. NOTABLE ISSUES** (Top 5 in order of priority)

Issue Title	Responsibility Status	Action	Resolution Date
Funding for Construction	JPB legal & Sr. Management	Re-allocation of FTA funds to Guadalupe project or financing.	7/28/2022
	Discussion at April Management Committee meeting.		

**Guadalupe River Bridges Replacement and Extension**Project No. **002113****KEY ACTIVITIES - Current Reporting Quarter (top 5)**

1. Management Committee approved to proceed with IFB (permission to advertise) for construction phase. Project was advertised on June 15, 2022 with Award of the Construction Contract by Oct / Nov. 2022.
2. Management Committee approved the rebaseline of the project schedule at April 2022 Management Committee meeting.
3. Continued coordination between PCEP work vs. Guadalupe Bridge Replacement Project Schedule.
4. Continued discussing Fiber Optic routing with UPRR and 3rd Party Fiber Companies.

**NEXT KEY ACTIVITIES (top 5)**

1. Continue with IFB process with Contracts and Procurement.
2. Continue to coordinate with Union Pacific and 3rd Party Fiber Optic Companies to identify the scope of work and relocation schedule.

**PROJECT NOTES**

The project was rebaselined after approval at April 2022 Management Committee meeting.

**PROJECT PHOTOS**

Photo 1 - Aerial View Caltrain MT1 & MT2 Bridges near SR 87 in San Jose

San Francisquito Creek Bridge Replacement

Project No. 100427

**Table 1. Status Summary and Total Project Performance**

Quarter	Safety	Schedule	Budget	Funding
Current	G	G	G	Y
Previous	G	G	G	Y

Project Phase: **3 – Development (35%)**

Progress (%)	Change Prev. Qtr.	EAC/Budget
<b>0.59%</b>	0.00%	100%

1. There are 3 options. First option is to strengthen the bridge and second option is to replace the bridge. If either of the two build alternatives are selected by senior management, then additional funding is required to complete the 35% design phase. The third option is a viable no build option to restrict train traffic to one freight train at a time. However, with this no build option, current funding would be used to support required special inspections and monitoring of the bridge. In addition, Phase Gate meeting is required to obtain Management Committee approval to proceed with the next phase of the project, and approval to use existing funds.

**SCOPE Summary**

This project includes a detailed inspection conditions assessment of the San Francisquito Creek Bridge located in Palo Alto, California. The information from the inspection report will determine the potential options the project may consider. Please also note, this bridge is 119 years old (built in 1902) and is approaching the end of its design life.

Project Manager: Alvin Piano  
 Principal Designer: AECOM  
 Const. Contractor: TBD

**Table 2. SAFETY INCIDENTS**

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	0
Type II Incidents	0	0

**Table 3. MILESTONE SCHEDULE**

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Δ Prev Quarter
	(A)	(B)	(C=A-B)	(D)
Project Start	03/02/21	03/02/21	0	0
Planning Start	08/01/21	08/01/21	0	0
Preliminary Design Complete	08/31/23	08/31/23	0	0
Gate 4 – 65% Approval	10/31/31	10/31/31	0	0
Final Design Complete	10/31/31	10/31/31	0	0
Gate 5 – 100/IFB	10/31/31	10/31/31	0	0
All Permits Received	11/01/31	11/01/31	0	0
IFB	10/31/31	10/31/31	0	0
Main Contract Award	05/31/32	05/31/32	0	0
NTP	06/01/32	06/01/32	0	0
Gate 6 – Substantial Completion	07/03/34	07/03/34	0	0
Gate 7 – Start-up/Turnover	10/03/34	10/03/34	0	0
Gate 8 – Closeout	01/02/35	01/02/35	0	0

San Francisquito Creek Bridge Replacement

Project No. 100427

**Table 4. PROJECT BUDGET / ESTIMATE AT COMPLETION** (in thousands of \$)

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100	13,541		13,541	13,541	0	0.0%
Environmental	1200	5,000		5,000	5,000	0	0.0%
Real Estate	2100	0		0	0	0	
Utilities Relocations	2200	0		0	0	0	
Construction ODCs	2300	0		0	0	0	
Const./Impl. Contracts	3100	70,000		70,000	70,000	0	0.0%
Construction Management	4100	1,306		1,306	1,306	0	0.0%
Design Support During Const.	4200			0	0	0	
Testing & Commissioning	4300			0	0	0	
Agency/ODCs	5000	492		492	492	0	0.0%
Project Management	5100	1,360		1,360	1,360	0	0.0%
Project & Document Control	5200	54		54	54	0	0.0%
Finance/Accounting	5300	0		0	0	0	
Contracts & Procurement	5400	11		11	11	0	0.0%
Legal	5500	72		72	72	0	0.0%
Information Technology	5600			0	0	0	
Communications/P. Relations	5700			0	0	0	
Human Resources	5800			0	0	0	
Safety/Security & Risk Mgmt.	5900			0	0	0	
Equip./Material Purchases	6100			0	0	0	
CalMod Program	7100			0	0	0	
Oper. Support	8100			0		0	
<b>Subtotals</b>	NA	<b>91,836</b>	<b>0</b>	<b>91,836</b>	<b>91,836</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	425	0	0.0%
Unallocated Contingency	9900	425		425	NA		
<b>Grand Totals</b>	NA	<b>92,261</b>	<b>0</b>	<b>92,261</b>	<b>92,261</b>	<b>0</b>	<b>0.0%</b>

Current Budget and EAC is based on full bridge replacement option.

(*) ICAP already included in totals above	3,542		3,542	3,542	0	
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Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

**Table 5. FUNDING** (in thousands of \$)

Fund Source	Type	Board Approved			Activated Funding	Un-activated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
CA-2020-133	Federal	480		480	480	0
Sect 5337 JPB CA-2021-121	Federal	1,200		1,200	1,200	0
FY21 VTA STA SOGR Cap	State	173		173	173	0
FY20 SFCTA Prop K 122	Local	120		120	120	0
FY21 SFCTA Prop K 122-911163	Local	212		212	212	0
<b>Totals</b>		<b>2,184</b>	<b>0</b>	<b>2,184</b>	<b>2,184</b>	<b>0</b>

**San Francisquito Creek Bridge Replacement**

Project No. **100427**

**Table 6. NOTABLE RISKS (Top 5 in order of priority) (Budget Impact in \$Ks)**

ID - Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
None				

**Table 7. NOTABLE ISSUES (Top 5 in order of priority)**

Issue Title	Responsibility Status	Action	Resolution Date
1. There are 3 options. First option is to strengthen the bridge and second option is to replace the bridge. If either of the two build alternatives are selected by senior management, then additional funding is required to complete the 35% design phase. The third option is a viable no build option to restrict train traffic to one freight train at a time. However, with this no build option, current funding would be used to support required special inspections to monitor the bridge.	Project Manager / Management Committee  Continue discussion with JPB management.	Continue discussion with JPB management on the next course of action.	TBD

**KEY ACTIVITIES - Current Reporting Quarter (top 5)**

1. Continued to work with Planning Division for project updates and prepared meetings with stakeholders. Continued to work with Government and Community Affairs Division for public outreach activities.
2. Continued to work with project team to develop power point presentation for inspection, load rating, and recommendations summary for external stakeholders discussion.
3. Continued to work with project team to develop schedule and budget for short and long term options that included, new rail operational rules restricting traffic on bridge, increase in bridge monitoring, reach out to City of Palo Alto for project updates.
4. Continued to work with project team to prepare management committee documents to rebaseline budget, scope, and schedule.
5. Continued to work with project team in preparing a memorandum to Rail Operations for new rule at the Bridge restricting traffic.

**NEXT KEY ACTIVITIES (top 5)**

1. Continue to work with Planning Division for project updates and prepare meetings with stakeholders. Continue to work with Government and Community Affairs Division for public outreach activities.
2. Continue to work with project team to develop power point presentation for inspection, load rating, and recommendations summary for external stakeholders discussion.
3. Continue to work with project team to develop schedule and budget for short and long term options that includes, new rail operational rules restricting traffic on bridge, increase in bridge monitoring; reach out to City of Palo Alto for project updates.
4. Continue to work with project team to prepare management committee documents to rebaseline budget, scope, and schedule.
5. Continue to work with Engineering team to identify project scope for the RFP of Acoustic Monitoring.



San Francisquito Creek Bridge Replacement

Project No. 100427

PROJECT NOTES

None

PROJECT PHOTOS



Photo 1 - Inspection crews via underside of bridge via south side



Photo 2 - Inspection crew cleaning up debris



Photo 3 - Inspection crew setting ladder via north side



Photo 4 - Inspection crew via north side abutment

**Bayshore Station Overpass Pedestrian Bridge Rehab**

Project No. **100439**

**Table 1. Status Summary and Total Project Performance**

Project Phase: **6 – Construction/Implementation**

Quarter	Safety	Schedule	Budget	Funding
Current	G	G	G	G
Previous	G	G	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
<b>10.19%</b>	5.75%	100%

**SCOPE Summary**

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.

Project Manager: Alvin Piano

Principal Designer: TBD

Const. Contractor: TBD

**Table 2. SAFETY INCIDENTS**

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	0
Type II Incidents	0	0

**Table 3. MILESTONE SCHEDULE**

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Δ Prev Quarter
	(A)	(B)	(C=A-B)	(D)
Project Start	01/01/20	01/01/20	0	0
100% IFB Package	07/01/21	07/01/21	0	0
IFB Advertising	12/01/21	12/01/21	0	0
Award	04/07/22	04/07/22	0	0
LNTP	05/01/22	05/01/22	0	0
NTP	06/30/22	06/30/22	0	0
Gate 6 – Substantial Completion	11/30/22	11/30/22	0	0
Gate 7 – Start-up/Turnover	12/31/22	12/31/22	0	0
Gate 8 – Closeout	03/31/23	03/31/23	0	0

Bayshore Station Overpass Pedestrian Bridge Rehab

Project No. 100439

**Table 4. PROJECT BUDGET / ESTIMATE AT COMPLETION (in thousands of \$)**

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100	293		293	293	0	0.0%
Environmental	1200	0		0	0	0	
Real Estate	2100	206		206	206	0	0.0%
Utilities Relocations	2200	0		0	0	0	
Construction ODCs	2300	0		0	0	0	
Const./Impl. Contracts	3100	2,067		2,067	2,067	0	0.0%
Construction Management	4100	1,162		1,162	1,162	0	0.0%
Design Support During Const.	4200	0		0	0	0	
Testing & Commissioning	4300	0		0	0	0	
Agency/ODCs	5000	27		27	27	0	0.0%
Project Management	5100	77		77	77	0	0.0%
Project & Document Control	5200	356		356	356	0	0.0%
Finance/Accounting	5300	107		107	107	0	0.0%
Contracts & Procurement	5400	71		71	71	0	0.0%
Legal	5500	47		47	47	0	0.0%
Information Technology	5600	0		0	0	0	
Communications/P. Relations	5700	55		55	55	0	0.0%
Human Resources	5800			0	0	0	
Safety/Security & Risk Mgmt.	5900			0	0	0	
Equip./Material Purchases	6100			0	0	0	
CalMod Program	7100			0	0	0	
Stations, Stops, Terminals, In	7300			0	0	0	
Professional Services	7800			0	0	0	
Oper. Support	8100	414		414	414	0	0.0%
<b>Subtotals</b>	NA	<b>4,880</b>	<b>0</b>	<b>4,880</b>	<b>4,880</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	1,990	0	0.0%
Unallocated Contingency	9900	1,990		1,990	NA		
<b>Grand Totals</b>	NA	<b>6,870</b>	<b>0</b>	<b>6,870</b>	<b>6,870</b>	<b>0</b>	<b>0.0%</b>

(*) ICAP already included in totals above	277			277	277	0	
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Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

**Bayshore Station Overpass Pedestrian Bridge Rehab**

Project No. **100439**

**Table 5. FUNDING** (in thousands of \$)

Fund Source	Type	Board Approved			Activated Funding (D)	Un-activated Amount (E=C-D)
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
VTA Non CCF Prepaid	Local	10		10	10	0
FY20 SFCTA Prop K 120-911065	Local	300		300	300	0
FY20 SFCTA Prop K 107-911073	Local	753		753	706	47
FY19 STA-State of Good Repair	State	1,135		1,135	1,135	0
FY20 STA VTA SOGR Cap Member Co	State	1,237		1,237	1,157	80
CTC Local Partnership	Local	3,435		3,435	0	3,435
<b>Totals</b>		<b>6,870</b>	<b>0</b>	<b>6,870</b>	<b>3,308</b>	<b>3,562</b>

**Table 6. NOTABLE RISKS** (Top 5 in order of priority) (Budget Impact in thousands of \$, Schedule Impact in days)

ID - Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
None	-----		-----	

**Table 7. NOTABLE ISSUES** (Top 5 in order of priority)

Issue Title	Responsibility Status	Action	Resolution Date
Material Section Loss	Project Manager/Engineering	Construction Management Team to coordinate with Engineering Division in the field to coordinate inspection activities on the bridge to determine corrective action plan at subject areas that required further remedy prior to painting operations.	7/30/2022
	Project Construction Management team to coordinate with Engineering Division to provide action plan.		
Lead Based Paint	Project Manager/Engineering	Construction Management Team to coordinate with Environmental Division to determine the test samples required for the Contractor to prepare a safety and hazardous waste plans to be compliant with the Contract Specifications prior to painting operations.	7/30/2022
	Project Construction Management team to coordinate with Environmental Division to provide action plan.		
Pedestrian Bridge Mesh Panel Replacement	Project Manager/Engineering	Construction Management Team to coordinate with PCEP Team to confirm if PCEP wire mesh scope at Pedestrian Bridge is still active. If not, the Bayshore Painting Contract will require a change order to comply with the PCEP wire mesh of 1/2" (current contract shows 1")	7/30/2022
	Project Construction Management team to coordinate with PCEP Division to provide action plan.		

**Bayshore Station Overpass Pedestrian Bridge Rehab**

Project No. **100439**

**KEY ACTIVITIES - Current Reporting Quarter (top 5)**

1. Continued to work with Construction Management to prepare and conduct weekly meetings with the Contractor.
2. Continued to work with Construction Management to process and review Contractor submittals during the administrative process.
3. Continued to work with Engineering to identify corrective action plan for material section loss and implement repair prior to painting operations.
4. Continued to work with PCEP team to identify OCS schedule to better align with the Bayshore Painting operations.

**NEXT KEY ACTIVITIES (top 5)**

1. Continue to work with Construction Management to prepare and conduct weekly meetings with the Contractor.
2. Continue to work with Construction Management to process and review Contractor submittals during the administrative process.
3. Continue to work with Engineering to identify corrective action plan for material section loss and implement repair prior to painting operations.
4. Continue to work with PCEP team to identify OCS schedule to better align with the Bayshore Painting operations.

**PROJECT NOTES**

The project was rebaselined in January 2022.

**PROJECT PHOTOS**

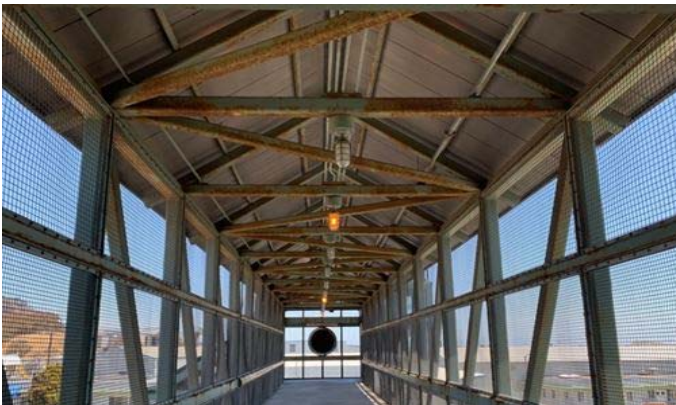


Photo 1 - Pedestrian bridge



Photo 2 - Pedestrian bridge (underside)

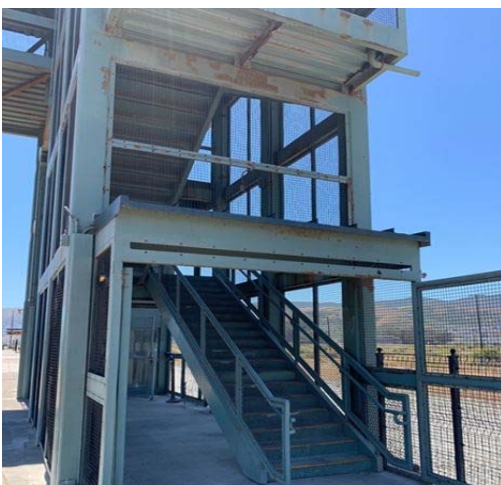


Photo 3 - Stair Case (west side)

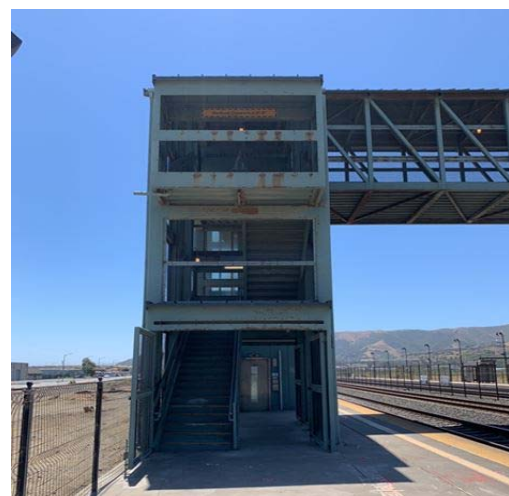


Photo 4 - Stair Case (east side)

**DESIGN**  
**ROW Grade Crossings**

Churchill Avenue Grade Crossing

Project No. 100426

Table 1. Status Summary and Total Project Performance

Project Phase: 5 - Development (100/IFB)

Quarter	Safety	Schedule	Budget	Funding
Current	G	G	G	G
Previous	G	R	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
24.25%	7.10%	100%

SCOPE Summary

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. Implement a total of 17 seconds of advance signal preemption time.

Project Manager: Robert Tam

Principal Designer: RSE

Const. Contractor: NA

Table 2. SAFETY INCIDENTS

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	0
Type II Incidents	0	0

Table 3. MILESTONE SCHEDULE

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Change Prev. Quarter
	(A)	(B)	(C=A-B)	(D)
35% Design	03/02/20	03/02/20	0	0
65% Design	07/01/21	07/01/21	0	0
Gate 5 - 100% Development Complete / IFB	05/26/22	05/26/22	0	-206
IFB	08/01/22	08/01/22	0	-202
Main Contract Award	12/01/22	12/01/22	0	-147
LNTF	01/13/23	01/13/23	0	-153
Gate 6 - Substantial Completion	12/31/23	12/31/23	0	-245
Gate 7 - Startup/Turnover	04/30/24	04/30/24	0	-305
Gate 8 - Project Closeout Complete	07/31/24	07/31/24	0	-396

Churchill Avenue Grade Crossing

Project No. 100426

**Table 4. PROJECT BUDGET / ESTIMATE AT COMPLETION (in thousands of \$)**

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100	150	200	350	350	0	0.0%
Environmental	1200	0	0	0	0	0	
Real Estate	2100	0	0	0	0	0	
Utilities Relocations	2200	0	0	0	0	0	
Construction ODCs	2300			0		0	
Const./Impl. Contracts	3100	1,500	-500	1,000	1,000	0	0.0%
Construction Management	4100	200	0	200	200	0	0.0%
Design Support During Const.	4200	30	0	30	30	0	0.0%
Testing & Commissioning	4300	0	0	0	0	0	
Agency/ODCs	5000	0	30	30	30	0	0.0%
Project Management	5100	400	-30	370	370	0	0.0%
Project & Document Control	5200	40	20	60	60	0	0.0%
Finance/Accounting	5300	0	0	0	0	0	
Contracts & Procurement	5400	0	0	0	0	0	
Legal	5500	15	0	15	15	0	0.0%
Information Technology	5600	0	0	0	0	0	
Communications/P. Relations	5700	0	5	5	5	0	0.0%
Human Resources	5800	0	0	0	0	0	
Safety/Security & Risk Mgmt.	5900	0	10	10	10	0	0.0%
Equip./Material Purchases	6100	0	0	0	0	0	
CalMod Program	7100	0	0	0	0	0	
Oper. Support	8100	80	0	80	80	0	0.0%
<b>Subtotals</b>	NA	<b>2,415</b>	<b>-265</b>	<b>2,150</b>	<b>2,150</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	370		
Unallocated Contingency	9900	105	265	370	NA	<b>0</b>	<b>0.0%</b>
<b>Grand Totals</b>	<b>NA</b>	<b>2,520</b>	<b>0</b>	<b>2,520</b>	<b>2,520</b>	<b>0</b>	<b>0.0%</b>

(\*) ICAP already included in totals above

Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

**Table 5. FUNDING (in thousands of \$)**

Fund Source	Type	Board Approved			Activated Funding	Unactivated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
Sec 130 Grant 75LX334	State	2,520		2,520	2,520	0
<b>Totals</b>		<b>2,520</b>	<b>0</b>	<b>2,520</b>	<b>2,520</b>	<b>0</b>



**Churchill Avenue Grade Crossing**

Project No. **100426**

**Table 6. NOTABLE RISKS (Top 5 in order of priority) (Budget Impact in thousands of \$, Schedule Impact in days)**

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
Prolonged coordination with the city of Palo Alto.	Robert Tam The city of Palo Alto received comments on the GO88-B form for review.	Monthly meetings with the city of Palo Alto.	\$ - 30	Med

**Table 7. NOTABLE ISSUES (Top 5 in order of priority)**

Issue Title	Responsibility Status	Action	Resolution Date
City of Palo Alto bid package delays.	Robert Tam The city of Palo Alto received comments on the GO88-B form for review. Will require the CPUC approval prior to advertising the IFB package.	Close coordination and monthly meetings with City of Palo Alto and their design consultant.	7/31/2022

**KEY ACTIVITIES - Current Reporting Quarter (top 5)**

1. Received approval for the time extension and received the executed amendment for the Caltrans grant contract.
2. Completed the final design per the CPUC comments on the advance signal preemption and pedestrian gates. Sent the design for review.

**NEXT KEY ACTIVITIES (top 5)**

1. Submit the GO88-B form to the CPUC for approval.
2. Advertise and issue the IFB package when the city of Palo Alto receives approval from the CPUC.

**PROJECT NOTES**

1. Project Manager rebaselined the schedule and received approval by the Management Committee in May 2022.

**PROJECT PHOTOS**



Photo 1 - Churchill Ave

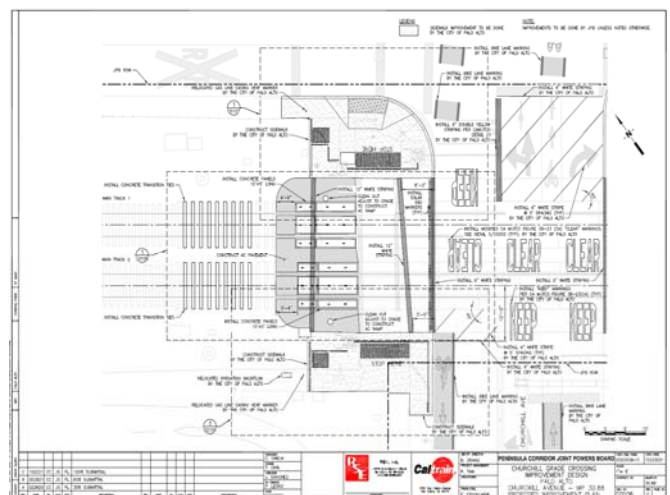


Photo 2 - Churchill Ave Grade Crossing Improvements

Watkins Ave Grade Crossing Safety Improvements

Project No. 100522

Table 1. Status Summary and Total Project Performance

Project Phase: 5 - Development (100/IFB)

Quarter	Safety	Schedule	Budget	Funding
Current	G	G	G	G
Previous	G	G	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
19.72%	6.77%	100%

SCOPE Summary

This project will design and implement safety improvements to the Watkins Ave grade crossing. Safety improvements will include installing quad gates, railings, pavement markings and markers.

Project Manager: Robert Tam  
 Principal Designer: HNTB  
 Const. Contractor: TBD

Table 2. SAFETY INCIDENTS

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	0
Type II Incidents	0	0

Table 3. MILESTONE SCHEDULE

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Change Prev. Quarter
	(A)	(B)	(C=A-B)	(D)
Project Start	07/01/21	07/01/21	0	0
Preliminary (35%) Design Complete	09/30/21	09/30/21	0	0
65% Design Complete	02/01/22	01/21/22	11	0
100% Design Complete	06/30/22	06/30/22	0	0
Gate 5 - 100/IFB	07/31/22	07/31/22	0	0
IFB	09/22/22	09/22/22	0	0
All Permits Received	12/07/22	12/07/22	0	0
Award Construction Contract	01/05/23	01/05/23	0	0
NTP	02/06/23	02/06/23	0	0
Gate 6 - Substantial Completion	12/31/23	12/31/23	0	0
Gate 7 - Start-up/Turnover	02/01/24	02/01/24	0	0
Gate 8 - Closeout	05/01/24	05/01/24	0	0

Watkins Ave Grade Crossing Safety Improvements

Project No. 100522

Table 4. PROJECT BUDGET / ESTIMATE AT COMPLETION (in thousands of \$)

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100	600	-41	559	559	0	0
Environmental	1200	30	0	30	30	0	0
Real Estate	2100	30	0	30	30	0	0
Utilities Relocations	2200	0	0	0	0	0	0
Construction ODCs	2300			0		0	
Const./Impl. Contracts	3100	2,000	0	2,000	2,000	0	0
Construction Management	4100	350	0	350	350	0	0
Design Support During Const.	4200	100	0	100	100	0	0
Testing & Commissioning	4300	0	0	0	0	0	0
Agency/ODCs	5000	0	0	0	0	0	0
Project Management	5100	250	0	250	250	0	0
Project & Document Control	5200	50	0	50	50	0	0
Finance/Accounting	5300	30	0	30	30	0	0
Contracts & Procurement	5400	25	0	25	25	0	0
Legal	5500	25	0	25	25	0	0
Information Technology	5600	0	0	0	0	0	0
Communications/P. Relations	5700	0	0	0	0	0	0
Human Resources	5800	0	0	0	0	0	0
Safety/Security & Risk Mgmt.	5900	0	0	0	0	0	0
Equip./Material Purchases	6100	25	0	25	25	0	0
CalMod Program	7100	0	0	0	0	0	0
Oper. Support	8100	100	0	100	100	0	0
<b>Subtotals</b>	<b>NA</b>	<b>3,615</b>	<b>-41</b>	<b>3,574</b>	<b>3,574</b>	<b>0</b>	<b>0</b>
Unknown Risks	NA	NA	NA	NA	601		
Unallocated Contingency	9900	560	41	601	NA	0	0
<b>Grand Totals</b>	<b>NA</b>	<b>4,175</b>	<b>0</b>	<b>4,175</b>	<b>4,175</b>	<b>0</b>	<b>0</b>

(\* ) ICAP already included in totals above 149 0 149 0 149 100.0%

Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

Table 5. FUNDING (in thousands of \$)

Fund Source	Type	Board Approved			Activated Funding	Unactivated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
SMCTA	Local	4,125		4,125	4,125	0
VTA	Other	50		50	50	0
<b>Totals</b>		<b>4,175</b>	<b>0</b>	<b>4,175</b>	<b>4,175</b>	<b>0</b>

**Watkins Ave Grade Crossing Safety Improvements**

Project No. **100522**

**Table 6. NOTABLE RISKS (Top 5 in order of priority) (Budget Impact in thousands of \$, Schedule Impact in days)**

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
None.	-----		-----	

**Table 7. NOTABLE ISSUES (Top 5 in order of priority)**

Issue Title	Responsibility Status	Action	Resolution Date
None.	-----		

**KEY ACTIVITIES - Current Reporting Quarter (top 5)**

1. The design consultant HNTB submitted the 100% design.
2. Received comments on the 100% design plans and specifications.

**NEXT KEY ACTIVITIES (top 5)**

1. Incorporate comments in the final design package.
2. Begin the development of the IFB for construction.

**PROJECT NOTES**

None.

**PROJECT PHOTOS**

To be updated.

**FY21-22 Grade Crossing Improvements**

Project No. **100563**

**Table 1. Status Summary and Total Project Performance**

Project Phase: **3 - Development (35%)**

Quarter	Safety	Schedule	Budget	Funding
Current	G	G	G	G
Previous	NA	NA	NA	NA

Progress (%)	Change Prev. Qtr.	EAC / Budget
<b>2.59%</b>	2.59%	100%

**SCOPE Summary**

The scope of work for this project is to implement safety improvements to selected grade crossings from the Caltrain Grade Crossing Hazard Analysis Report prioritization list. Safety improvements for each grade crossing location includes pavement markers and marking, signage, channelization and signaling. The project will develop a design for the safety improvements, develop and issue and Invitation for Bid and Award a Construction contract to complete the safety improvements.

Grade Crossing from the Grade Crossing Hazard Analysis priority list for the project includes:

- 1) 16th Street, SF
- 2) Mission Bay, SF
- 3) E Meadow, Palo Alto
- 4) Whipple, Redwood City
- 5) Ravenswood, Menlo Park and
- 6) Main St, Redwood City

Project Manager: Robert Tam  
 Principal Designer: RSE, Inc.  
 Const. Contractor: NA

**Table 2. SAFETY INCIDENTS**

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	0
Type II Incidents	0	0

**Table 3. MILESTONE SCHEDULE**

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Change Prev. Quarter
	(A)	(B)	(C=A-B)	(D)
Gate 1 - Project Initiation	02/24/22	02/24/22	0	NA
Gate 2 - 0-15% Approval	05/26/22	05/26/22	0	NA
Development (35%)	05/31/22	05/31/22	0	NA
Gate 5 - Development (100/IFB)	03/01/23	03/01/23	0	NA
Main Contract Award	09/30/23	09/30/23	0	NA
NTP	01/01/24	01/01/24	0	NA
Gate 6 - Substantial Completion	09/30/24	09/30/24	0	NA
Gate 7 - Startup/Turnover	12/31/24	12/31/24	0	NA
Gate 8 - Project Closeout	03/31/25	03/31/25	0	NA

FY21-22 Grade Crossing Improvements

Project No. 100563

**Table 4. PROJECT BUDGET / ESTIMATE AT COMPLETION (in thousands of \$)**

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C = A+B)	(D)	(E = C-D)	(F = E/C)
Planning & Engineering	1100	300	0	300	300	0	0.0%
Environmental	1200	10	-5	5	5	0	0.0%
Real Estate	2100	10	-5	5	5	0	0.0%
Utilities Relocations	2200	0	0	0	0	0	
Construction ODCs	2300			0	0	0	
Const./Impl. Contracts	3100	599	753	1,352	1,352	0	0.0%
Construction Management	4100	200	0	200	200	0	0.0%
Design Support During Const.	4200	30	0	30	30	0	0.0%
Testing & Commissioning	4300	0	0	0	0	0	
Agency/ODCs	5000	0	30	30	30	0	0.0%
Project Management	5100	150	-30	120	120	0	0.0%
Project & Document Control	5200	50	0	50	50	0	0.0%
Finance/Accounting	5300	5	0	5	5	0	0.0%
Contracts & Procurement	5400	10	0	10	10	0	0.0%
Legal	5500	5	0	5	5	0	0.0%
Information Technology	5600	0	0	0	0	0	
Communications/P. Relations	5700	0	5	5	5	0	0.0%
Human Resources	5800	0	0	0	0	0	
Safety/Security & Risk Mgmt.	5900	0	10	10	10	0	0.0%
Equip./Material Purchases	6100	0	0	0	0	0	
CalMod Program	7100	0	0	0	0	0	
Oper. Support	8100	40	0	40	40	0	0.0%
<b>Subtotals</b>	<b>NA</b>	<b>1,408</b>	<b>759</b>	<b>2,167</b>	<b>2,167</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	312		
Unallocated Contingency	9900	132	180	312	NA	0	0.0%
<b>Grand Totals</b>	<b>NA</b>	<b>1,540</b>	<b>938</b>	<b>2,479</b>	<b>2,479</b>	<b>0</b>	<b>0.0%</b>
(*) ICAP already included in totals above		59	36	95	95	0	0.0%

Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

**Table 5. FUNDING (in thousands of \$)**

Fund Source	Type	Board Approved			Activated Funding	Unactivated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
FY 21 San Francisco Prop K	Local	500		500	500	0
FY 22 Measure RR	Local	1,040		1,040		1,040
<b>Totals</b>		<b>1,540</b>	<b>0</b>	<b>1,540</b>	<b>500</b>	<b>1,040</b>

**FY21-22 Grade Crossing Improvements**

Project No. **100563**

**Table 6. NOTABLE RISKS (Top 5 in order of priority) (Budget Impact in thousands of \$, Schedule Impact in days)**

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
City delays in issuing permits to work.	Robert Tam	PM will engage with the cities early in the design phase to get the cities familiar with the project.	\$ -	Med
	Apply for permits once construction contract is awarded.		60	
Funding not sufficient for construction contract.	Robert Tam	Get a construction cost estimate early in the design to ascertain funding need.	\$ 400	High
	Wait for the bids.			

**Table 7. NOTABLE ISSUES (Top 5 in order of priority)**

Issue Title	Responsibility Status	Action	Resolution Date
None.			

**KEY ACTIVITIES - Current Reporting Quarter**

1. Began conceptual design for the safety improvements for the grade crossings.
2. The FRA conducted a site visit at Main St in Redwood City and suggested some safety improvements to be done at the crossing.
3. The CPUC recommended funding Charleston grade crossing as part of their Section 130 program.
4. Received approval from the Management Committee to change the scope and budget for the project.
5. Received the 35% design plans and received some comments after review. Will set up design review meetings to discuss comments.

**NEXT KEY ACTIVITIES**

1. Conduct design review meetings for the 35% design.

**PROJECT NOTES**

This is the first QSR for the project.

**PROJECT PHOTOS**

To be updated

San Mateo Grade Crossing Improvements

Project No. **100566**

**Table 1. Status Summary and Total Project Performance**

Project Phase: **5 - Development (100/IFB)**

Quarter	Safety	Schedule	Budget	Funding
Current	G	R	G	G
Previous	G	R	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
<b>12.42%</b>	1.07%	100%

1. Project Schedule got extended as City of San Mateo's final design will not be completed until mid-July 2022. Both design and construction work need to be coordinated. Project Manager plans to rebaseline the schedule as a part of the IFB phase gate in July 2022.

**SCOPE Summary**

This project will design and implement safety improvements including quad gates or exit gates at the 4th and 5th Ave grade crossings in San Mateo. This project will make the two grade crossings safer for the train, motorist and pedestrians. The project is funded by the CPUC/Caltrans Section 130 program.

Project Manager: Robert Tam  
 Principal Designer: RSE  
 Const. Contractor: TBD

**Table 2. SAFETY INCIDENTS**

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	0
Type II Incidents	0	0

**Table 3. MILESTONE SCHEDULE**

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Change Prev. Quarter
	(A)	(B)	(C=A-B)	(D)
Project Start	02/26/21	02/26/21	0	0
Work Plan and SMRC Approval	02/26/21	02/26/21	0	0
Issue Design Work Directive	03/22/21	03/22/21	0	0
35% Design	06/30/21	06/30/21	0	0
65% Design	09/30/21	09/30/21	0	0
100% Design	12/31/21	01/10/22	-10	0
IFB	03/01/22	07/01/22	-122	-30
Gate 5 - Development (100/IFB)	07/07/22	07/31/22	-24	-24
Main Construction Contract	07/07/22	02/02/23	-210	-210
NTP	09/01/22	03/02/23	-182	-182
Gate 6 - Substantial Completion	09/01/23	03/30/24	-211	-211
Gate 7 - Start Up/Turnover	01/02/24	05/01/24	-120	-120
Gate 8 - Closeout	05/31/24	06/30/24	-30	-30



San Mateo Grade Crossing Improvements

Project No. 100566

**Table 4. PROJECT BUDGET / ESTIMATE AT COMPLETION** (in thousands of \$)

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C = A+B)	(D)	(E = C-D)	(F = E/C)
Planning & Engineering	1100	880	-590	290	290	0	0.0%
Environmental	1200	20	0	20	20	0	0.0%
Real Estate	2100	0	0	0	0	0	
Utilities Relocations	2200	0	0	0	0	0	
Construction ODCs	2300			0		0	
Const./Impl. Contracts	3100	3,000	0	3,000	3,000	0	0.0%
Construction Management	4100	200	100	300	300	0	0.0%
Design Support During Const.	4200	20	30	50	50	0	0.0%
Testing & Commissioning	4300	0	0	0	0	0	
Agency/ODCs	5000	800	0	800	800	0	0.0%
Project Management	5100	200	0	200	200	0	0.0%
Project & Document Control	5200	0	0	0	0	0	
Finance/Accounting	5300	20	0	20	20	0	0.0%
Contracts & Procurement	5400	40	0	40	40	0	0.0%
Legal	5500	30	0	30	30	0	0.0%
Information Technology	5600	0	0	0	0	0	
Communications/P. Relations	5700	0	0	0	0	0	
Human Resources	5800	0	0	0	0	0	
Safety/Security & Risk Mgmt.	5900	0	0	0	0	0	
Equip./Material Purchases	6100	0	0	0	0	0	
CalMod Program	7100	0	0	0	0	0	
Oper. Support	8100	50	150	200	200	0	0.0%
<b>Subtotals</b>	NA	<b>5,260</b>	<b>-310</b>	<b>4,950</b>	<b>4,950</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	522	0	0.0%
Unallocated Contingency	9900	212	310	522	NA		
<b>Grand Totals</b>	<b>NA</b>	<b>5,471</b>	<b>0</b>	<b>5,471</b>	<b>5,471</b>	<b>0</b>	<b>0.0%</b>

(\* ) ICAP already included in totals above 219 0 219 0 219 100.0%

Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

**Table 5. FUNDING** (in thousands of \$)

Fund Source	Type	Board Approved			Activated Funding	Unactivated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
Section 130 Grant EA#75280A	State	2,000		2,000	2,000	0
<b>Totals</b>		<b>2,000</b>	<b>0</b>	<b>2,000</b>	<b>2,000</b>	<b>0</b>

San Mateo Grade Crossing Improvements

Project No. 100566

Table 6. NOTABLE RISKS (Top 5 in order of priority) (Budget Impact in thousands of \$, Schedule Impact in days)

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
Coordination with PCEP signal work at the crossings.	Robert Tam	Monthly meetings with PCEP to coordinate our schedules.	\$ -	Med
	PCEP is schedule to perform and complete their work in 2022.			
Obtain construction funding from Caltrans	Robert Tam	Regular meetings with Caltrans Local assistance	\$ - 60	Med
	Will submit funding request after final design is complete. City's final design will not be completed until July 2022.			

Table 7. NOTABLE ISSUES (Top 5 in order of priority)

Issue Title	Responsibility Status	Action	Resolution Date
Delays in the city of San Mateo's design	Robert Tam	Continue to meet with the city of San Mateo and Caltrans to coordinate the designs and work.	8/31/2022
	The City of San Mateo has notified JPB that their design for the sidewalk improvements will not be completed until July 2022.		

KEY ACTIVITIES - Current Reporting Quarter (top 5)

1. The city of San Mateo is working on their 100% design.
2. Began the development of the IFB package with Contracts and Procurement.

NEXT KEY ACTIVITIES (top 5)

1. Receive the city's 100% design and finalize both the city's and JPB's design.
2. Submit the GO88-B form to the CPUC for approval.

PROJECT NOTES

1. Currently, Project funding has been approved for design phase only. Construction funding has not been approved yet.
2. City of San Mateo's final design will not be completed until July 2022. Both design and construction work need to be coordinated.

PROJECT PHOTOS

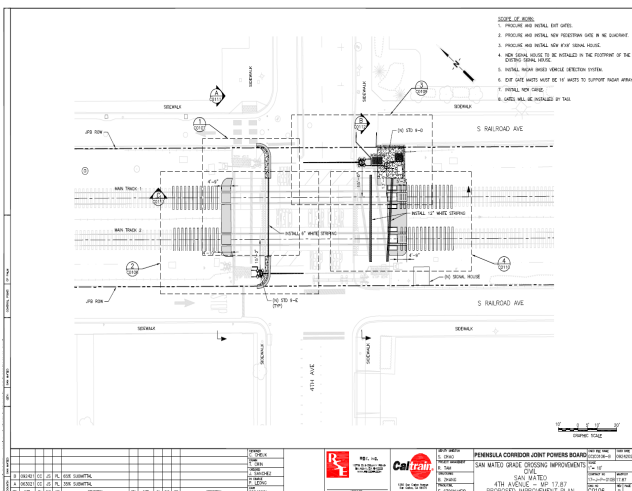


Photo 1 - San Mateo Grade Crossing Improvements

DESIGN  
ROW Communications & Signals

**Broadband Wireless Communications System**

Project No. **100403**

**Table 1. Status Summary and Total Project Performance**

Project Phase: **5 - Development (100/IFB)**

Quarter	Safety	Schedule	Budget	Funding
Current	G	R	G	G
Previous	G	R	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
<b>5.55%</b>	0.00%	100%

1. The proposal evaluation period has been extended due to the complexity of the proposals, live demonstration and negotiation of a Best & Final Offer. Project Manager plan to rebaseline the schedule once team have selected and negotiated with the best proposer in August 2022.

**SCOPE Summary**

The project will design a broadband wireless communications system along the Caltrain corridor for the wayside train maintenance diagnostics and passenger Wi-Fi 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.

Project Manager: Robert Tam  
 Principal Designer: Xentrans  
 Const. Contractor: TBD

**Table 2. SAFETY INCIDENTS**

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	0
Type II Incidents	0	0

**Table 3. MILESTONE SCHEDULE**

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Change Prev. Quarter
	(A)	(B)	(C=A-B)	(D)
Project Start	11/11/19	11/11/19	0	0
Notice to Proceed	11/11/19	11/11/19	0	0
Requirements Gathering	02/13/20	02/13/20	0	0
RF Study	08/10/20	08/10/20	0	0
Rough Cost Estimate	08/21/20	08/21/20	0	0
Conceptual Design	11/19/20	11/19/20	0	0
IFB	09/15/21	10/08/21	-23	0
Live Demonstration	11/15/21	05/20/22	-186	-91
Project Update to the Board	05/05/22	07/07/22	-63	-63
Award Construction Contract	02/03/22	09/01/22	-210	-119
Gate 6 - Substantial Completion	09/30/23	06/30/24	-274	-274
Gate 7 - Start Up/Turnover	12/31/23	09/30/24	-274	-274
Gate 8 - Project Closeout	03/31/24	12/31/24	-275	0

**Broadband Wireless Communications System**

Project No. **100403**

**Table 4. PROJECT BUDGET / ESTIMATE AT COMPLETION (in thousands of \$)**

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100	560		560	560	0	0.0%
Environmental	1200	20		20	20	0	0.0%
Real Estate	2100	10		10	10	0	0.0%
Utilities Relocations	2200			0	0	0	
Construction ODCs	2300			0		0	
Const./Impl. Contracts	3100	10,000		10,000	10,000	0	0.0%
Construction Management	4100	700		700	700	0	0.0%
Design Support During Const.	4200	100		100	100	0	0.0%
Testing & Commissioning	4300			0	0	0	
Agency/ODCs	5000			0	0	0	
Project Management	5100	700		700	700	0	0.0%
Project & Document Control	5200	200		200	200	0	0.0%
Finance/Accounting	5300	20		20	20	0	0.0%
Contracts & Procurement	5400	15		15	15	0	0.0%
Legal	5500	15		15	15	0	0.0%
Information Technology	5600			0	0	0	
Communications/P. Relations	5700			0	0	0	
Human Resources	5800			0	0	0	
Safety/Security & Risk Mgmt.	5900			0	0	0	
Equip./Material Purchases	6100			0	0	0	
CalMod Program	7100			0	0	0	
Oper. Support	8100	500		500	500	0	0.0%
<b>Subtotals</b>	<b>NA</b>	<b>12,840</b>	<b>0</b>	<b>12,840</b>	<b>12,840</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	1,160	<b>0</b>	<b>0.0%</b>
Unallocated Contingency	9900	1,160		1,160	NA		
<b>Grand Totals</b>	<b>NA</b>	<b>14,000</b>	<b>0</b>	<b>14,000</b>	<b>14,000</b>	<b>0</b>	<b>0.0%</b>

(\*) ICAP already included in totals above

	624	0	624	624	0	0.0%
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Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

**Table 5. FUNDING (in thousands of \$)**

Fund Source	Type	Board Approved			Activated Funding	Unactivated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
FY19 TIRCP	State	14,000		14,000	2,000	12,000
<b>Totals</b>		<b>14,000</b>	<b>0</b>	<b>14,000</b>	<b>2,000</b>	<b>12,000</b>

**Broadband Wireless Communications System**

Project No. **100403**

**Table 6. NOTABLE RISKS (Top 5 in order of priority) (Budget Impact in thousands of \$, Schedule Impact in days)**

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
Utilizing OCS poles and modifying EMU cars.	Robert Tam Working with PCEP team.	Frequent communications with the PCEP team about schedule and use of infrastructure.	\$ -	Med

**Table 7. NOTABLE ISSUES (Top 5 in order of priority)**

Issue Title	Responsibility Status	Action	Resolution Date
Delays in negotiating a BAFO.	Robert Tam Completed the live demonstration and started negotiations with highest scoring vending to obtain the BAFO.	Understand from the vendor all the assumptions and exceptions of their proposals.	8/31/2022

**KEY ACTIVITIES - Current Reporting Quarter (top 5)**

1. Analyzed and evaluated the results from all the demonstrations.
2. Selected the highest scoring proposer and began negotiations for a Best and Final Offer.
3. Prepared a presentation on the status of the project for the June Board meeting.

**NEXT KEY ACTIVITIES (top 5)**

1. Continue negotiations for a Best and Final Offer.
2. Present the project status to the JPB Board.

**PROJECT NOTES**

1. Additional project budget will be needed and the total budget and EAC will be re-evaluated after the BAFO is received.

**PROJECT PHOTOS**

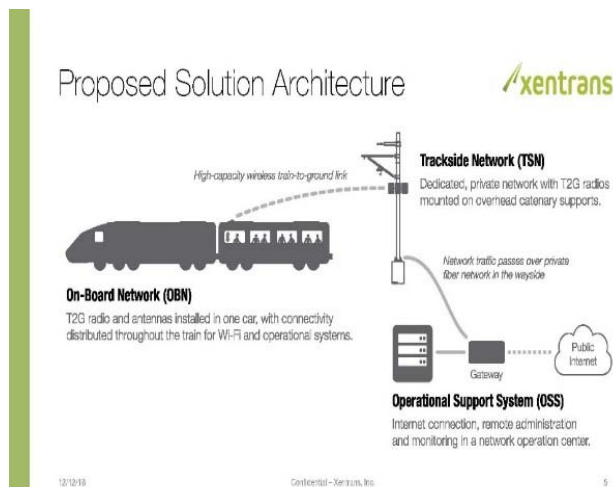


Photo 1 - Broadband Wireless Communications System Conceptual Design

Migration to Digital Voice Radio System

Project No. 100432

**Table 1. Status Summary and Total Project Performance**

Project Phase: **4 – Development (65%)**

Quarter	Safety	Schedule	Budget	Funding
Current	G	G	G	G
Previous	G	G	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
<b>26.23%</b>	11.06%	100%

**SCOPE Summary**

This project is part of the continual effort of Caltrain to migrate toward a digital voice radio system. The project includes procurement and installation of new Digital VHF voice Base station radios, repair of Microwave dish covers, procurement of digital communications test equipment, and inspecting and repairing associated antennas and cables. This is in-kind replacement of no longer supported equipment.

Project Manager: Njomele Hong  
 Principal Designer: Armand  
 Const. Contractor: TBD

**Table 2. SAFETY INCIDENTS**

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	0
Type II Incidents	0	0

**Table 3. MILESTONE SCHEDULE**

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Change Prev. Quarter
	(A)	(B)	(C=A-B)	(D)
Project Start	11/02/21	11/02/21	0	0
NTP	01/01/22	01/01/22	0	0
Final Design	03/31/22	03/31/22	0	0
Gate 6 - Substantial Completion	10/01/23	10/01/23	0	0
Gate 7 - Start-Up / Turnover Complete	12/01/23	12/01/23	0	0
Gate 8 - Project Closeout Complete	03/01/24	03/01/24	0	0

Migration to Digital Voice Radio System

Project No. 100432

**Table 4. PROJECT BUDGET / ESTIMATE AT COMPLETION** (in thousands of \$)

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100			0		0	
Environmental	1200			0		0	
Real Estate	2100			0		0	
Utilities Relocations	2200			0		0	
Construction ODCs	2300			0		0	
Const./Impl. Contracts	3100			0		0	
Construction Management	4100	30		30	30	0	0.0%
Design Support During Const.	4200			0		0	
Testing & Commissioning	4300			0		0	
Agency/ODCs	5000			0		0	
Project Management	5100	92		92	92	0	0.0%
Project & Document Control	5200	25		25	25	0	0.0%
Finance/Accounting	5300			0		0	
Contracts & Procurement	5400	5		5	5	0	0.0%
Legal	5500	5		5	5	0	0.0%
Information Technology	5600			0		0	
Communications/P. Relations	5700			0		0	
Human Resources	5800			0		0	
Safety/Security & Risk Mgmt.	5900			0		0	
Equip./Material Purchases	6100	243		243	243	0	0.0%
CalMod Program	7100			0		0	
Oper. Support	8100	270		270	270	0	0.0%
<b>Subtotals</b>	NA	<b>670</b>	<b>0</b>	<b>670</b>	<b>670</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	30	0	0.0%
Unallocated Contingency	9900	30		30	NA		
<b>Grand Totals</b>	NA	<b>700</b>	<b>0</b>	<b>700</b>	<b>700</b>	<b>0</b>	<b>0.0%</b>
(*) ICAP already included in totals above		58	0	58	58	0	0.0%

Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

**Table 5. FUNDING** (in thousands of \$)

Fund Source	Type	Board Approved			Activated Funding	Un-activated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
JPB CA-2020-133	Federal	428		428	428	0
Bridge Toll Funds	Local	272		272	272	0
Federal Funds	Federal	666		666		666
Measure RR	Local	166		166		166
<b>Totals</b>		<b>1,532</b>	<b>0</b>	<b>1,532</b>	<b>700</b>	<b>832</b>



Migration to Digital Voice Radio System

Project No. 100432

**Table 6. NOTABLE RISKS** (Top 5 in order of priority) (Budget Impact in thousands of \$, Schedule Impact in days)

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
New Radio & Interfaces Non Functional	Farid Ardakani	Test Radios prior to cutover and implement solutions. This should eliminate the risk of issues during cutover as the complete system would be tested in field like conditions.	\$ -	Low
	Meetings and planning in process for implementation.		6	
Covid Delays Base Station Radio	Njomele Hong	Investigate PS purchased separately if lead time is critical.	\$ -	Low
	Manufacturer notes 30 - 60 day lead time for products packaged with interfaces (Base Station and Power Supply).		6	

**Table 7. NOTABLE ISSUES** (Top 5 in order of priority)

Issue Title	Responsibility Status	Action	Resolution Date
Construct test bed at Brisbane	Njomele Hong	Management accelerated the test bed for Brisbane. NTP shall be considered the resolution date.	TBD
	Work Directive proposal request is in review by TASI.		

**KEY ACTIVITIES - Current Reporting Quarter**

1. Sunnyvale Test Bed construction has started.
2. A WDPR has been created for TASI to install the Base Radio solution at Brisbane.
3. TASI provided a proposal for Brisbane radio construction.
4. Engineering & IT coordinated a contract with Arinc for dispatch-related connections at Sunnyvale and Brisbane.
5. Verified the initial proof of concept for Sunnyvale test bed.

**NEXT KEY ACTIVITIES**

1. Complete Sunnyvale test bed.
2. Commence construction of the Brisbane test bed.
3. Transition the scope & funding to co-location with PTC & change schedule at Management Committee meeting in July.

**PROJECT NOTES**

1. Budget and EAC will be revised in the next quarterly report.

Next Generation Visual Messaging Sign (VMS)

Project No. 100449

Table 1. Status Summary and Total Project Performance

Project Phase: 4 – Development (65%)

Quarter	Safety	Schedule	Budget	Funding
Current	G	Y	G	G
Previous	G	G	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
9.23%	3.41%	100%

1. The COVID-19 delayed field verification of sign mounting at 5 stations. Schedule field verification when impacted person is available. The schedule will be re-baselined at Aug Mgmt. Committee meeting.

SCOPE Summary

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

Project Manager: Njomele Hong  
 Principal Designer: Stantec  
 Const. Contractor: TBD

Table 2. SAFETY INCIDENTS

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	0
Type II Incidents	0	0

Table 3. MILESTONE SCHEDULE

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Change Prev. Quarter
	(A)	(B)	(C=A-B)	(D)
Gate 1 - Project Initiation	05/01/20	05/01/20	0	0
Gate 3 - 35% Development Complete	02/15/22	02/15/22	0	0
Gate 4 - 65% Development Complete	06/30/22	06/30/22	0	0
Gate 5 - 100% Development Complete / IFB	07/01/22	08/01/22	-31	-31
IFB	07/01/22	09/01/22	-62	-62
Main Contract Award	12/30/22	12/30/22	0	0
NTP	01/31/23	01/31/23	0	0
Gate 6 - Substantial Completion	12/30/23	12/30/23	0	0
Gate 7 - Start-Up / Turnover Complete	03/01/24	03/01/24	0	0
Gate 8 - Project Closeout Complete	05/30/24	05/30/24	0	0

Next Generation Visual Messaging Sign (VMS)

Project No. 100449

**Table 4. PROJECT BUDGET / ESTIMATE AT COMPLETION** (in thousands of \$)

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C=A+B)	(D)	(E=C-D)	(F=E/C)
Planning & Engineering	1100	500		500	500	0	0.0%
Environmental	1200			0		0	
Real Estate	2100			0		0	
Utilities Relocations	2200			0		0	
Construction ODCs	2300	3,000		3,000	3,000	0	0.0%
Const./Impl. Contracts	3100	300		300	300	0	0.0%
Construction Management	4100	100		100	100	0	0.0%
Design Support During Const.	4200	150		150	150	0	0.0%
Testing & Commissioning	4300			0		0	
Agency/ODCs	5000	300		300	300	0	0.0%
Project Management	5100	50		50	50	0	0.0%
Project & Document Control	5200	50		50	50	0	0.0%
Finance/Accounting	5300	50		50	50	0	0.0%
Contracts & Procurement	5400	30		30	30	0	0.0%
Legal	5500			0		0	
Information Technology	5600	10		10	10	0	0.0%
Communications/P. Relations	5700			0		0	
Human Resources	5800	10		10	10	0	0.0%
Safety/Security & Risk Mgmt.	5900			0		0	
Equip./Material Purchases	6100			0		0	
CalMod Program	7100	100		100	100	0	0.0%
Oper. Support	8100			0		0	
<b>Subtotals</b>	NA	<b>4,650</b>	<b>0</b>	<b>4,650</b>	<b>4,650</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	850		
Unallocated Contingency	9900	850		850	NA	<b>0</b>	<b>0.0%</b>
<b>Grand Totals</b>	NA	<b>5,500</b>	<b>0</b>	<b>5,500</b>	<b>5,500</b>	<b>0</b>	<b>0.0%</b>
(*) ICAP already included in totals above		209	0	209	209	0	0.0%

Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

**Table 5. FUNDING** (in thousands of \$)

Fund Source	Type	Board Approved			Activated Funding	Un-activated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
SFCTA Prop K	Local	500		500	500	0
<b>Totals</b>		<b>500</b>	<b>0</b>	<b>500</b>	<b>500</b>	<b>0</b>

Next Generation Visual Messaging Sign (VMS)

Project No. 100449

**Table 6. NOTABLE RISKS (Top 5 in order of priority) (Budget Impact in thousands of \$, Schedule Impact in days)**

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
Station VMS COMM Cable Plant Non Functional (design)	Njomele Hong	Design new SM Fiber to stations without SM Fiber (10 stations apx) to existing signs design extends 3 weeks from 6/1/2022 current early completion to 6/21/2022 total delay current design is 7 days).	\$ 50	High
	The Risk is Identified		7	
Station VMS COMM Cable Plant Non Functional (Install & Test)	Njomele Hong	Install new SMF in 10 stations. Can be a separate contract not part of VMS or Include in VMS.	\$ 135	High
	The Risk is Identified		TBD	
Station VMS Power Cable Plant Non Functional (Install new)	Njomele Hong	Install new copper power cable in older stations or as needed. Design may not be required, existing drawings. Issue RFP fund new cost for cable install.	TBD	High
	The Risk is Identified		TBD	
Water Ingress Damage at VMS sign conduit/cable penetrations	Larry Dewitt	Existing standard Caltrain VMS post connection has gasket based design to prevent water intrusion which shall be described in a revised standard drawing and project drawing.	TBD	High
	The Risk is Identified		14	
Contingency Media Convertor Availability	Larry Dewitt	We need to have media convertors available in the event that fiber has been added to the 10 stations noted above.	\$ 1	High
	The Risk is Identified		0	

**Table 7. NOTABLE ISSUES (Top 5 in order of priority)**

Issue Title	Responsibility Status	Action	Resolution Date
Schedule delay	Njomele Hong	Schedule field verification when impacted person is available.	08/25/22
	The COVID-19 delayed field verification of sign mounting at 5 stations.		

**KEY ACTIVITIES - Current Reporting Quarter**

1. Completed review of 65% Design.
2. Created field Survey Requirements.
3. Received Rough Order Magnitude (ROM) estimate for 10 stations VMS power conductor upgrades.
4. Created WDPR For TASI Support.
5. COVID delays the field verification of sign mounting at 5 stations.

**NEXT KEY ACTIVITIES**

1. Enter into a design contract for communication cable design.
2. Stakeholders to review VMS power conductor.
3. Update risk register.
4. Receive 100% design.
5. Commence IFB Preparation.

**PROJECT NOTES**

None

Communication System SOGR

Project No. 100572

Table 1. Status Summary and Total Project Performance

Project Phase: 4 – Development (65%)

Quarter	Safety	Schedule	Budget	Funding
Current	G	G	G	G
Previous	G	G	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
3.9%	0.00%	100%

SCOPE Summary

This project is the annual state of good repair (SOGR) program for Caltrain’s communication systems. The project includes design and installation of networking/telecommunication equipment to interface with upgraded Digital Backhaul by the Caltrain Telecom System Vendor. The intention of the upgrades is to transition from Analog Backhaul using many 1.5 MB/s circuits to GB/s throughput circuits and IP Based system.

Project Manager: Njomele Hong  
 Principal Designer: TBD  
 Const. Contractor: TBD

Table 2. SAFETY INCIDENTS

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	0
Type II Incidents	0	0

Table 3. MILESTONE SCHEDULE

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Change Prev. Quarter
	(A)	(B)	(C=A-B)	(D)
Project Start	11/02/21	11/02/21	0	0
Conceptual Design Complete	12/15/21	12/15/21	0	0
Gate 4 - 65% Development Complete	04/01/22	04/01/22	0	0
Gate 5 - 100% Development Complete / IFB	05/15/22	05/15/22	0	0
IFB	05/15/22	05/15/22	0	0
Main Contract Award	12/01/22	12/01/22	0	0
NTP	01/15/23	01/15/23	0	0
Gate 6 - Substantial Completion	08/01/23	08/01/23	0	0
Gate 7 - Start-Up / Turnover Complete	12/01/23	12/01/23	0	0
Gate 8 - Project Closeout Complete	02/01/24	02/01/24	0	0

Communication System SOGR

Project No. 100572

**Table 4. PROJECT BUDGET / ESTIMATE AT COMPLETION** (in thousands of \$)

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C=A+B)	(D)	(E=C-D)	(F=E/C)
Planning & Engineering	1100	440		440	440	0	0.0%
Environmental	1200			0		0	
Real Estate	2100	5		5	5	0	0.0%
Utilities Relocations	2200			0		0	
Construction ODCs	2300	540		540	540	0	0.0%
Const./Impl. Contracts	3100			0		0	
Construction Management	4100			0		0	
Design Support During Const.	4200			0		0	
Testing & Commissioning	4300			0		0	
Agency/ODCs	5000	200		200	200	0	0.0%
Project Management	5100	30		30	30	0	0.0%
Project & Document Control	5200	5		5	5	0	0.0%
Finance/Accounting	5300	10		10	10	0	0.0%
Contracts & Procurement	5400	10		10	10	0	0.0%
Legal	5500			0		0	
Information Technology	5600			0		0	
Communications/P. Relations	5700			0		0	
Human Resources	5800			0		0	
Safety/Security & Risk Mgmt.	5900			0		0	
Equip./Material Purchases	6100			0		0	
CalMod Program	7100	10		10	10	0	0.0%
Oper. Support	8100			0		0	
<b>Subtotals</b>	NA	<b>1,250</b>	<b>0</b>	<b>1,250</b>	<b>1,250</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	50		
Unallocated Contingency	9900	50		50	NA	<b>0</b>	<b>0.0%</b>
<b>Grand Totals</b>	NA	<b>1,300</b>	<b>0</b>	<b>1,300</b>	<b>1,300</b>	<b>0</b>	<b>0.0%</b>
(*) ICAP already included in totals above		606	0	606	606	0	0.0%

Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

**Table 5. FUNDING** (in thousands of \$)

Fund Source	Type	Board Approved			Activated Funding	Un-activated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
JPB CA-2021	Federal	900		900	900	0
VTA STA SOGR Cap	State	400		400	400	0
TBD	Federal		333	333		333
Measure RR	Local		78	78		78
TBD	Local		6	6		6
<b>Totals</b>		<b>1,300</b>	<b>416</b>	<b>1,716</b>	<b>1,300</b>	<b>416</b>

Communication System SOGR

Project No. 100572

**Table 6. NOTABLE RISKS (Top 5 in order of priority) (Budget Impact in thousands of \$, Schedule Impact in days)**

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
Logistic Delays	Farid A.	Testing small area for rollout template. Successful test well require additional budget.	TBD	Low
	Delay may cause communications disruption between dispatcher and crew member.		TBD	
Testing Delays	Farid A.	Test plan will be developed and discussed with everyone impacted by the test.	TBD	Low
	The test plan is in development. Will likely require multiple radio technicians.		TBD	

**Table 7. NOTABLE ISSUES (Top 5 in order of priority)**

Issue Title	Responsibility Status	Action	Resolution Date
Project refocus	Makoni, U/F. Ardakani	The project focus has been changed to determine the budget and RFP status for a new Dispatch. Existing system is not capable of upgrade.	4/31/2022
	Resolved.		

**KEY ACTIVITIES - Current Reporting Quarter**

1. Determined the new approach to focus the effort on IP Gateway Transition for existing Analog PA.
2. Estimated materials for the revised scope.
3. Continued construction of Sunnyvale test bed approach to ATT Gateway connection.
4. Commenced discussions with IT and Communications Engineering to assign responsibilities, budget and next actions for the project.
5. Estimated materials, services & manpower for the revised scope.

**NEXT KEY ACTIVITIES**

1. Change the scope, schedule, and transfer budget at Management Committee meeting in July.

**PROJECT NOTES**

Budget, EAC, and schedule will be revised in the next quarterly report.

Predictive Arrival/Departure System (PADS) Replacement

Project No. 100614

Table 1. Status Summary and Total Project Performance

Project Phase: 3 – Development (35%)

Quarter	Safety	Schedule	Budget	Funding
Current	G	R	G	G
Previous	G	G	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
NA	NA	100%

1. Project schedule extended due to the delay in procurement process of bringing a consultant on board to assist in developing the PADS RFP. Revise schedule and budget for review in the Aug Mgmt. Committee meeting.

SCOPE Summary

Modernize the Predictive Arrival/Departure System (PADS) to include features such as:

1. Improve the prediction algorithm performance and accuracy, utilize GPS as primary data source and reduce or eliminate reliance on track circuits to improve the accuracy.
2. Improve PADS' resilience to real-world operational needs, such as single-tracking, reverse running, and unscheduled rerouting or track changes into terminal stations. Improve manual operation and control of each platform, track, independent control of audio and visual messages, etc.
3. Updated interfaces to communicate with modern station signage and provide color capability, update interfaces to Diesel and EMU GPS location data feeds.
4. More flexible reconfiguration of parameters by Caltrain. Examples include sign displays color, text size, new screens, etc., approaching train warning timers, etc.
5. Upgrade audio control to digital format, reuse existing station wiring and speakers.
6. Provide modern train tracking data feeds such as GTFS real-time: utilized by MTC511, anticipated feed to new caltrain.com website, and can be leveraged by 3rd parties or apps.

Project Manager: Njomele Hong  
 Principal Designer: TBD  
 Const. Contractor: TBD

Table 2. SAFETY INCIDENTS

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	0
Type II Incidents	0	0

Table 3. MILESTONE SCHEDULE

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Change Prev. Quarter
	(A)	(B)	(C=A-B)	(D)
Gate 1 - Project Initiation	03/31/22	03/31/22	0	0
Gate 3 - 35% Development Complete	08/01/22	10/30/22	-90	-90
IFB	09/30/22	11/30/22	-61	-61
Main Contract Award	12/31/22	02/28/23	-59	-59
NTP	01/30/23	03/31/23	-60	-60
Gate 6 - Substantial Completion	06/30/24	06/30/24	0	0
Gate 7 - Start-Up / Turnover Complete	10/01/24	10/01/24	0	0
Gate 8 - Project Closeout Complete	12/31/24	12/31/24	0	0



Predictive Arrival/Departure System (PADS) Replacement

Project No. 100614

**Table 4. PROJECT BUDGET / ESTIMATE AT COMPLETION** (in thousands of \$)

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C=A+B)	(D)	(E=C-D)	(F=E/C)
Planning & Engineering	1100	400		400	400	0	0.0%
Environmental	1200			0		0	
Real Estate	2100			0		0	
Utilities Relocations	2200			0		0	
Construction ODCs	2300	6,000		6,000	6,000	0	0.0%
Const./Impl. Contracts	3100			0		0	
Construction Management	4100			0		0	
Design Support During Const.	4200	168		168	168	0	0.0%
Testing & Commissioning	4300			0		0	
Agency/ODCs	5000	550		550	550	0	0.0%
Project Management	5100	105		105	105	0	0.0%
Project & Document Control	5200	75		75	75	0	0.0%
Finance/Accounting	5300	75		75	75	0	0.0%
Contracts & Procurement	5400	30		30	30	0	0.0%
Legal	5500	40		40	40	0	0.0%
Information Technology	5600			0		0	
Communications/P. Relations	5700			0		0	
Human Resources	5800			0		0	
Safety/Security & Risk Mgmt.	5900			0		0	
Equip./Material Purchases	6100			0		0	
CalMod Program	7100	140		140	140	0	0.0%
Oper. Support	8100			0		0	
<b>Subtotals</b>	NA	<b>7,583</b>	<b>0</b>	<b>7,583</b>	<b>7,583</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	600		
Unallocated Contingency	9900	600		600	NA	<b>0</b>	<b>0.0%</b>
<b>Grand Totals</b>	NA	<b>8,183</b>	<b>0</b>	<b>8,183</b>	<b>8,183</b>	<b>0</b>	<b>0.0%</b>
(*) ICAP already included in totals above		315	0	315	315	0	0.0%

Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

**Table 5. FUNDING** (in thousands of \$)

Fund Source	Type	Board Approved			Activated Funding	Un-activated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
Measure RR	Local	372		372	372	0
<b>Totals</b>		<b>372</b>	<b>0</b>	<b>372</b>	<b>372</b>	<b>0</b>

**Predictive Arrival/Departure System (PADS) Replacement**

Project No. **100614**

**Table 6. NOTABLE RISKS (Top 5 in order of priority) (Budget Impact in thousands of \$, Schedule Impact in days)**

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
Existing VMS can not connect to new PADS.	Larry Dewitt Identified	The expectation is existing VMS will be replaced. However if VMS at particular station is delayed, we need to keep existing PAD running. Keep existing PADS operational is part of cutover plan.		Low

**Table 7. NOTABLE ISSUES (Top 5 in order of priority)**

Issue Title	Responsibility Status	Action	Resolution Date
Schedule delay	Njomele Hong Project schedule extended due to the delay in procurement process of bringing a consultant on board to assist in developing the PADS RFP.	Revise schedule and budget for review in the Aug Mgmt. Committes meeting.	08/25/22

**KEY ACTIVITIES - Current Reporting Quarter**

1. Reviewed the Concept of operations with Engineering and Operations.
2. Developed and Issued Bonfire opportunity for PADS RFP development Support.
3. Created ICE for Potential PA Upgrades for Materials & Engineering.
4. Reviewed the Concept of operations with Management.
5. Received updated proposals for RFP support.

**NEXT KEY ACTIVITIES**

1. Bring consultant WSP on board for PADS RFP support.
2. Work on Tech Specification & RFP for PADS.
3. Create ICE for construction of PADS and PA.
4. Go to Management Committee to update scope and schedule for PADS.

**PROJECT NOTES**

1. No expenses have been registered in PeopleSoft yet.

Caltrain Fiber Connectivity to Passenger Stations and Digital Voice

Project No. 100616

Table 1. Status Summary and Total Project Performance

Project Phase: 5 – Development (100/IFB)

Quarter	Safety	Schedule	Budget	Funding
Current	G	G	G	G
Previous	G	G	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
11.84%	4.66%	100%

SCOPE Summary

This project will design and construct a fiber lateral from the JPB fiber backbone to the Caltrain passenger stations and to the Caltrain digital voice radio base stations. The fiber lateral will splice into the JPB 288 strand fiber cable and will terminate at the other end in the station’s communications room or voice radio cabinet. The fiber lateral connection to the JPB fiber will eliminate the need for commercial leased communications lines for the passenger stations and voice radio. This will reduce cost and increase reliability for Rail Operations.

Project Manager: Njomele Hong  
 Principal Designer: Stantec  
 Const. Contractor: TBD

Table 2. SAFETY INCIDENTS

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	0
Type II Incidents	0	0

Table 3. MILESTONE SCHEDULE

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Change Prev. Quarter
	(A)	(B)	(C=A-B)	(D)
Gate 1 - Project Initiation	08/31/21	08/31/21	0	0
Gate 4 - 65% Development Complete	05/26/22	05/26/22	0	0
Gate 5 - 100% Development Complete / IFB	06/30/22	06/30/22	0	0
IFB	09/02/23	09/02/23	0	0
Main Contract Award	12/31/23	12/31/23	0	0
NTP	01/31/24	01/31/24	0	0
Gate 6 - Substantial Completion	12/31/24	12/31/24	0	0
Gate 7 - Start-Up / Turnover Complete	03/31/25	03/31/25	0	0
Gate 8 - Project Closeout Complete	06/30/25	06/30/25	0	0

Caltrain Fiber Connectivity to Passenger Stations and Digital Voice

Project No. 100616

**Table 4. PROJECT BUDGET / ESTIMATE AT COMPLETION** (in thousands of \$)

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100	500	124	624	624	0	0.0%
Environmental	1200			0	0	0	
Real Estate	2100			0	0	0	
Utilities Relocations	2200		104	104	104	0	0.0%
Construction ODCs	2300			0	0	0	
Const./Impl. Contracts	3100	2,500	100	2,600	2,600	0	0.0%
Construction Management	4100	300	303	603	603	0	0.0%
Design Support During Const.	4200	50	2	52	52	0	0.0%
Testing & Commissioning	4300			0	0	0	
Agency/ODCs	5000		36	36	36	0	0.0%
Project Management	5100	200	134	334	334	0	0.0%
Project & Document Control	5200	100	14	114	114	0	0.0%
Finance/Accounting	5300	5		5	5	0	0.0%
Contracts & Procurement	5400	20	32	52	52	0	0.0%
Legal	5500			0	0	0	
Information Technology	5600			0	0	0	
Communications/P. Relations	5700		8	8	8	0	0.0%
Human Resources	5800		42	42	42	0	0.0%
Safety/Security & Risk Mgmt.	5900		416	416	416	0	0.0%
Equip./Material Purchases	6100			0	0	0	
CalMod Program	7100			0	0	0	
Oper. Support	8100	100	108	208	208	0	0.0%
<b>Subtotals</b>	NA	<b>3,775</b>	<b>1,423</b>	<b>5,198</b>	<b>5,198</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	594	0	0.0%
Unallocated Contingency	9900	200	394	594	NA		
<b>Grand Totals</b>	NA	<b>3,975</b>	<b>1,818</b>	<b>5,793</b>	<b>5,793</b>	<b>0</b>	<b>0.0%</b>
(*) ICAP already included in totals above		220		220	220	0	0.0%

Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

**Table 5. FUNDING** (in thousands of \$)

Fund Source	Type	Board Approved			Activated Funding	Unactivated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
Measure RR	Local	624		624	624	0
<b>Totals</b>		<b>624</b>	<b>0</b>	<b>624</b>	<b>624</b>	<b>0</b>

Caltrain Fiber Connectivity to Passenger Stations and Digital Voice

Project No. 100616

**Table 6. NOTABLE RISKS** (Top 5 in order of priority) (Budget Impact in thousands of \$, Schedule Impact in days)

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
Unknown utilities conflict with fiber path	Njomele Hong Not in budget and workplan.	Ask for budget (TBD) at 100% Design review & Phase Gates in August 2022. Enlist Jason Wright to perform utilities survey as directed in work plan.	\$ -	Med

**Table 7. NOTABLE ISSUES** (Top 5 in order of priority)

Issue Title	Responsibility Status	Action	Resolution Date
None			

**KEY ACTIVITIES - Current Reporting Quarter**

1. Operations, Network, & IT groups require additional design to meet minimum Caltrain standards for connection to their systems.
2. Completed Phase Gate 65% which result in 1 year delay of project. No funds for FY23.
3. Completed 100% Design reviews.

**NEXT KEY ACTIVITIES**

1. Complete 100% design phase gate per Workplan in July.

**PROJECT NOTES**

None









DESIGN  
Fare Collection

Next Generation Clipper Validator Station Site Prep

Project No. **100574**

**Table 1. Status Summary and Total Project Performance**

Project Phase: **6 - Construction/Implementation**

Quarter	Safety	Schedule	Budget	Funding
Current	G 	G 	G 	G 
Previous	G 	Y 	G 	G 

Progress (%)	Change Prev. Qtr.	EAC/Budget
<b>45.1%</b>	25.52%	100%

**SCOPE Summary**

The scope of the project is to:

- Prepare all 30 Caltrain stations (not Stanford) to be ready for the installation of the next generation Clipper validators. There will be a total of 305 validators installed by MTC/Cubic.
- Provide conduits and cables for 120 VAC electrical at all the locations where the new Clipper validators will be installed by MTC/Cubic.
- Install anchor bolts in the platforms where the new Clipper validators will be mounted.
- Install ground rods or utilize existing electrical grounding for the new Clipper validators.

Project Manager: Robert Tam

Principal Designer: Stantec Consulting Svcs, Inc.

Const. Contractor: Beci Electric

**Table 2. SAFETY INCIDENTS**

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	0
Type II Incidents	0	0

**Table 3. MILESTONE SCHEDULE**

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Change Prev. Quarter
	(A)	(B)	(C=A-B)	(D)
Project Start	04/01/21	04/01/21	0	0
Final Design Complete	10/30/21	10/30/21	0	0
Award Contract	03/17/22	02/03/22	42	0
NTP	04/01/22	04/30/22	-29	0
Gate 6 - Substantial Completion	12/30/22	12/30/22	0	0
Gate 7 – Start-up/Turnover	01/31/23	01/31/23	0	0
Gate 8 - Closeout/Lessons	03/31/23	03/31/23	0	0

Next Generation Clipper Validator Station Site Prep

Project No. 100574

**Table 4. PROJECT BUDGET / ESTIMATE AT COMPLETION (in thousands of \$)**

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100	400		400	400	0	0.0%
Environmental	1200	0		0	0	0	
Real Estate	2100	0		0	0	0	
Utilities Relocations	2200	0		0	0	0	
Construction ODCs	2300			0		0	
Const./Impl. Contracts	3100	1,500		1,500	1,500	0	0.0%
Construction Management	4100	300		300	300	0	0.0%
Design Support During Const.	4200	50		50	50	0	0.0%
Testing & Commissioning	4300	0		0	0	0	
Agency/ODCs	5000	0		0	0	0	
Project Management	5100	600		600	600	0	0.0%
Project & Document Control	5200	80		80	80	0	0.0%
Finance/Accounting	5300	10		10	10	0	0.0%
Contracts & Procurement	5400	20		20	20	0	0.0%
Legal	5500	10		10	10	0	0.0%
Information Technology	5600	0		0	0	0	
Communications/P. Relations	5700	0		0	0	0	
Human Resources	5800	0		0	0	0	
Safety/Security & Risk Mgmt.	5900	0		0	0	0	
Equip./Material Purchases	6100	0		0	0	0	
CalMod Program	7100	0		0	0	0	
Oper. Support	8100	20		20	20	0	0.0%
<b>Subtotals</b>	NA	<b>2,990</b>	<b>0</b>	<b>2,990</b>	<b>2,990</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	1,151		
Unallocated Contingency	9900	1,151		1,151	NA	<b>0</b>	<b>0.0%</b>
<b>Grand Totals</b>	<b>NA</b>	<b>4,141</b>	<b>0</b>	<b>4,141</b>	<b>4,141</b>	<b>0</b>	<b>0.0%</b>

(*) ICAP already included in totals above	166	0	166	166	0	0.0%
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Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.



Next Generation Clipper Validator Station Site Prep

Project No. 100574

**Table 5. FUNDING** (in thousands of \$)

Fund Source	Type	Board Approved			Activated Funding	Unactivated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
SAMTR Non CCF Prepaid	Local	81		81	81	0
FY20 STA - Capital	State	500		500	500	0
Sect 5337 JPB CA-2021-121	Federal	1,500		1,500	1,500	0
FY21 VTA STA SOGR Capital	State	500		500	500	0
Measure RR	Local	312		312	0	312
FTA	Federal	1,248		1,248	0	1,248
<b>Totals</b>		<b>4,141</b>	<b>0</b>	<b>4,141</b>	<b>2,581</b>	<b>1,560</b>

**Table 6. NOTABLE RISKS** (Top 5 in order of priority) (Budget Impact in thousands of \$, Schedule Impact in days)

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
Schedule coordination with MTC Clipper validator installation.	Robert Tam ----- MTC stated the validators are ready for installation.	Frequent communications with MTC about scheduling	\$ - -----	Med

**Table 7. NOTABLE ISSUES** (Top 5 in order of priority)

Issue Title	Responsibility Status	Action	Resolution Date
Electrical breakers delivery	BECI Electric ----- BECI Electric said the electrical breakers will not arrive until late August 2022.	Modify the schedule to go back to the stations to install the electrical breakers after they are delivered.	8/30/2022

**KEY ACTIVITIES - Current Reporting Quarter** (top 5)

1. Issued NTP to BECI Electric.
2. Contractor started work preparing the stations for the new validators by installing conduits and anchors bolt. Started at the Gilroy station and proceeded to Santa Clara and then Palo Alto Station.
3. Contractor submitted an updated baseline schedule.
4. Had weekly construction meetings with the contractor.
5. Answered Request For Information and reviewed submittals from the contractor.

**NEXT KEY ACTIVITIES** (top 5)

1. Continue the construction to prepare the stations for the validators.

**PROJECT NOTES**

None.

Next Generation Clipper Validator Station Site Prep

Project No. 100574

PROJECT PHOTOS



Photo 1 - Old Clipper CID



VALIDATOR  
(NOTE 1)

Photo 2 - New Clipper Validator

DESIGN  
Miscellaneous

San Mateo Replacement Parking Track

Project No. 100676

**Table 1. Status Summary and Total Project Performance**

Project Phase: **5 - Development (100/IFB)**

Quarter	Safety	Schedule	Budget	Funding
Current	G	G	G	Y
Previous	G	G	G	Y

Progress (%)	Change Prev. Qtr.	EAC/Budget
NA	NA	100%

1. \$4.045M already transferred to this project from 25th Avenue Grade Separation project. Additional \$622K pending transfer. Seek 50% match from MTC's Local Partnership Program funding to support spring 2023 construction.

**SCOPE Summary**

The project involves the preparation of an amendment to the previously-obtained environmental clearance report and final design of a "set out track" to replace the one that was removed in the Bay Meadows area to facilitate the construction of the 25th Avenue Grade Separation Project. The track, which will be located between 10th and 14th Aves., will be accessed from 9th Ave., approximately 1,000 feet in length, electrified, have a single switch.

Project Manager: Alexander Acenas  
 Principal Designer: HDR Engineering, Inc.  
 Const. Contractor: TBD

**Table 2. SAFETY INCIDENTS**

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	0
Type II Incidents	0	0

**Table 3. MILESTONE SCHEDULE**

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Δ Prev Quarter
	(A)	(B)	(C=A-B)	(D)
Environmental Clearance Complete	03/31/22	03/31/22	0	0
Final Design Complete	12/31/22	12/31/22	0	0
ROW Permits Complete	02/28/23	02/28/23	0	0
Gate 5 - 100% Development Complete/IFB	03/31/23	03/31/23	0	0
IFB	04/01/23	04/01/23	0	0
Main Contract Award	04/30/23	04/30/23	0	0
NTP	05/01/23	05/01/23	0	0
Gate 6 - Substantial Completion	12/31/23	12/31/23	0	0
Gate 7 - Start-Up/Turnover Complete	03/31/24	03/31/24	0	0
Gate 8 - Project Closeout Complete	06/30/24	06/30/24	0	0

San Mateo Replacement Parking Track

Project No. 100676

**Table 4. PROJECT BUDGET / ESTIMATE AT COMPLETION** (in thousands of \$)

Type of Work		Budget*			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100	550		550	550	0	0.0%
Environmental	1200	50		50	50	0	0.0%
Real Estate	2100	10		10	10	0	0.0%
Utilities Relocations	2200	207		207	207	0	0.0%
Const./Impl. Contracts	3100	6,042		6,042	6,042	0	0.0%
Construction Management	4100	676		676	676	0	0.0%
Design Support During Const.	4200	134		134	134	0	0.0%
Testing & Commissioning	4300	0		0	0	0	
Agency/ODCs	5000	0		0	0	0	
Project Management	5100	347		347	347	0	0.0%
Project & Document Control	5200	70		70	70	0	0.0%
Finance/Accounting	5300	35		35	35	0	0.0%
Contracts & Procurement	5400	80		80	80	0	0.0%
Legal	5500	35		35	35	0	0.0%
Information Technology	5600	0		0	0	0	
Communications/P. Relations	5700	0		0	0	0	
Human Resources	5800	0		0	0	0	
Safety/Security & Risk Mgmt.	5900	0		0	0	0	
Equip./Material Purchases	6100	130		130	130	0	0.0%
CalMod Program	7100	0		0	0	0	
Oper. Support	8100	65		65	65	0	0.0%
<b>Subtotals</b>	NA	<b>8,431</b>	<b>0</b>	<b>8,431</b>	<b>8,431</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	1,579	0	0.0%
Unallocated Contingency	9900	1,579		1,579	NA		
<b>Grand Totals</b>	NA	<b>10,010</b>	<b>0</b>	<b>10,010</b>	<b>10,010</b>	<b>0</b>	<b>0.0%</b>

(\*) ICAP already included in totals above 385 0 385 385 0 0.0%

Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

**Table 5. FUNDING** (in thousands of \$)

Fund Source	Type	Board Approved			Activated Funding	Un-activated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
MOU-City of San Mateo 25th Ave	Local	2,355	0	2,355	2,355	0
SMCTA Cap Contr to JPB/SAMTR	Local	1,690	0	1,690	1,690	0
<b>Totals</b>		<b>4,045</b>	<b>0</b>	<b>4,045</b>	<b>4,045</b>	<b>0</b>

**Table 6. NOTABLE RISKS** (Top 5 in order of priority) (Budget Impact in thousands of \$, Schedule Impact in days)

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood

**San Mateo Replacement Parking Track**

Project No. **100676**

**Table 7. NOTABLE ISSUES (Top 5 in order of priority)**

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
HDR Contract Expired 6/30/22	Contracts & Procurement, Capital Project Delivery ----- TBD	Issue Amendment No. 3 with effective date of 7/1/22 and new expiration date of 12/31/22	\$ -	
Shallow TPFOC discovered at end of parking track near 14th Ave	JPB, UPRR ----- TBD	HDR has recommended shifting the parking track about 100 ft to the north	\$ -	
If parking track is shifted 100 ft to the north, need review and OK by Environ. Planning team	JPB ----- TBD	Meet with Environmental Planning team for review and ok to proceed	\$ -	

**KEY ACTIVITIES - Current Reporting Quarter (top 5)**

1. Review & comment on HDR recommendation to shift parking track 110 ft to the north to mitigate conflict with shallow underground Third Party Fiber Optic Cable.
2. Review and comment on contractor's proposal to jog a portion of the new screen wall 7-8 ft in towards the Right of Way to avoid conflict with an existing storm drain line and provide space to plant replacement trees.
3. Process & execute Amendment No. 3 to contract 19-J-P-073 to extend term to 12/31/2022 and add back in the Scope of Services Design Support during Bid Phase.
4. Resolved paving design for access road.

**NEXT KEY ACTIVITIES (top 5)**

1. Confirm final pavement design with Environmental team so they can prepare the amendment to the Environmental Clearance report.
2. Discuss shifting parking track to the north with Environmental Planning for their review.
3. Discuss jog in screen wall with Real Estate.
4. Schedule meeting with the City of San Mateo to review design issues.





**PROJECT NOTES**

Mini-High Platforms

Project No. 100684

**Table 1. Status Summary and Total Project Performance**

Project Phase: 1 - Initiation

Quarter	Safety	Schedule	Budget	Funding
Current	G 	R 	G 	R 
Previous	NA	NA	NA	NA

Progress (%)	Change Prev. Qtr.	EAC / Budget
TBD	0.00%	100%

1. The Project needs to access the funding from PCEP to get started on design. It is the intention to still meet the overall project schedule.

**SCOPE Summary**

The project scope will include installation of the precast platforms and modifications as needed to the existing infrastructure to accommodate the installation. Grounding and bonding will be required at all of the stations within the areas that will be electrified.

Project will allow for more efficient ADA access to passenger vehicles for patrons decreasing dwell time thus improving service for all passengers and reducing operating costs.

Project Manager: Andy Kleiber  
 Principal Designer: TBD  
 Const. Contractor: NA

**Table 2. SAFETY INCIDENTS**

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	0
Type II Incidents	0	0

**Table 3. MILESTONE SCHEDULE**

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Change Prev. Quarter
	(A)	(B)	(C=A-B)	(D)
Gate 1_ Project Initiation	03/24/22	03/24/22	0	0
Preliminary Engineering	03/31/22	03/31/22	0	0
Final Design	06/17/22	09/21/22	-96	0
Gate 5 - 100/IFB	10/01/22	10/01/22	0	0
Bid & Award	12/01/22	12/01/22	0	0
Construction	06/01/23	06/01/23	0	0
Gate 6 -Substantial Completion	06/01/23	06/01/23	0	0
Gate 7 - Turnover	07/02/23	07/02/23	0	0
Gate 8 - Closeout	09/02/23	09/02/23	0	0

Mini-High Platforms

Project No. 100684

**Table 4. PROJECT BUDGET / ESTIMATE AT COMPLETION** (in thousands of \$)

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100	210		210	210	0	0.0%
Environmental	1200	14		14	14	0	0.0%
Real Estate	2100			0		0	
Utilities Relocations	2200			0		0	
Construction ODCs	2300			0		0	
Const./Impl. Contracts	3100	1,000		1,000	1,000	0	0.0%
Construction Management	4100	100		100	100	0	0.0%
Design Support During Const.	4200	50		50	50	0	0.0%
Testing & Commissioning	4300			0	0	0	
Agency/ODCs	5000			0	0	0	
Project Management	5100	80		80	80	0	0.0%
Project & Document Control	5200	30		30	30	0	0.0%
Finance/Accounting	5300	16		16	16	0	0.0%
Contracts & Procurement	5400	48		48	48	0	0.0%
Legal	5500	15		15	15	0	0.0%
Information Technology	5600	5		5	5	0	0.0%
Communications/P. Relations	5700	5		5	5	0	0.0%
Human Resources	5800			0		0	
Safety/Security & Risk Mgmt.	5900	5		5	5	0	0.0%
Equip./Material Purchases	6100			0		0	
CalMod Program	7100			0		0	
Oper. Support	8100	25		25	25	0	0.0%
<b>Subtotals</b>	NA	<b>1,603</b>	<b>0</b>	<b>1,603</b>	<b>1,603</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	520		
Unallocated Contingency	9900	520		520	NA	0	0.0%
<b>Grand Totals</b>	<b>NA</b>	<b>2,123</b>	<b>0</b>	<b>2,123</b>	<b>2,123</b>	<b>0</b>	<b>0.0%</b>

(\* ICAP already included in totals above 82 0 82 82 0 0.0%

Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

**Table 5. FUNDING** (in thousands of \$)

Fund Source	Type	Board Approved			Activated Funding	Unactivated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
PCEP	Other	670		670	0	670
Member Agency Funds	Local	1,964		1,964	0	1,964
<b>Totals</b>		<b>2,634</b>	<b>0</b>	<b>2,634</b>	<b>0</b>	<b>2,634</b>

**Table 6. NOTABLE RISKS** (Top 5 in order of priority) (Budget Impact in thousands of \$, Schedule Impact in days)

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
None.			\$ -	



Mini-High Platforms

Project No. **100684**

**Table 7. NOTABLE ISSUES (Top 5 in order of priority)**

Issue Title	Responsibility Status	Action	Resolution Date
Funding Delay	Grants ----- Awaiting.	Grants is awaiting full funding from Feds. Anticipate resolution in July or August 2022. We are accessing funds from PCEP to start the project design.	9/1/2022
Hiring a Designer	Procurement ----- Awaiting.	All forms have been provided to Procurement. Waiting on their action.	8/1/2022

**KEY ACTIVITIES - Current Reporting Quarter**

1. The Project needs to access the funding from PCEP to get started on design.

**NEXT KEY ACTIVITIES**

1. Bring a designer on board to prepare construction documents.

**PROJECT NOTES**

1. Grants is awaiting full funding from Feds. Anticipate resolution in July or August 2022. Construction could be delayed if approved FY22 SMCT Measure A funds are not activated.

**PROJECT PHOTOS**

To be updated.







**PLANNING**  
**Grade Separations**

Whipple Avenue Grade Separation

Project No. 100410

Table 1. Status Summary and Total Project Performance

Project Phase: 2 - Development (0-15%)

Quarter	Schedule	Budget	Funding
Current	R 	G 	G 
Previous	R 	G 	G 

Project schedule extended due to the complexity of alternatives being examined in combination with a potential four-track station and new development occurring in close proximity to the potential grade separations. COVID-19 also required a more extensive and time-intensive public outreach strategy than initially envisioned. Work towards additional targeted public outreach commenced in December 2021 with outreach activities originally anticipated to conclude in March 2022. However, the project schedule was adjusted due to project complexities, which includes additional internal working meetings and resourcing. Community outreach preparation and training was completed and outreach activities were concluded in June 2022. It is still TBD when the project goes to the Management Committee to request a rebaseline.

**PROJECT SCOPE Summary**

A potential grade separation at Whipple Avenue in Redwood City is proposed to improve safety and decrease expected future traffic delays due to growth in vehicle traffic, accommodate greater frequency of Caltrain service, and the eventual addition of high-speed rail service. Whipple Avenue is not the only at-grade crossing in Redwood City, however, and thus a potential grade separation at Whipple Avenue is being studied with potential grade separations at Brewster Avenue, Broadway, Maple Street, Main Street, and Chestnut Street. There is a high likelihood that multiple streets would be integrated into one grade separation project.

**PLANNING SCOPE Summary**

The Whipple Avenue Grade Separation Planning Study builds upon previously completed studies. The alternatives analysis and design work in this Study considers and incorporates where appropriate, design work done in the 2009 Footprint Study for the six at grade crossings mentioned above. The scope of work also focuses on alternatives for grade separation that accommodate a four track station to allow for transfers between Caltrain local and express trains, as well as for the future high-speed rail service, per the Long-Range 2040 Service Vision. Much consideration is also being given to multiple near-term development projects in close vicinity to the potential grade separations and station expansion as additional land adjacent to the Corridor is needed to ensure the viability of the future transit infrastructure projects. Given the complexity of the planning context in the vicinity of the potential grade separations, there may be multiple alternatives selected as preferred at the end of the Study, unless there is strong preference for just one.

Redwood City serves as the Project Sponsor for the Study, providing input on the alternatives and informing the Study in terms of new development in close proximity to the potential grade separations. City staff are the public face of the project, and help promote, facilitate and participate in public outreach efforts in coordination with the JPB. The JPB is the implementing agency and contracts with AECOM, the project consultant, to conduct the planning work and to prepare a project summary upon completion of the scope of work.

Project Manager: David Pape  
 Study Consultant: AECOM  
 Sponsors: City of Redwood City

Whipple Avenue Grade Separation

Project No. 100410

**Table 2. MILESTONE SCHEDULE**

Milestones	Baseline Completion	Completion (A = Actual)	Variation (days)	Δ Prev Quarter
	(A)	(B)	(C=A-B)	(D)
Project Coordination	08/31/20	08/31/20	0	0
Set-Up Work Directive	09/15/18	09/15/18	0	0
Project Kick-Off/Mobilization	09/30/18	09/30/18	0	0
Data Collection	01/31/19	01/31/19	0	0
Review of Previous Studies	01/31/19	01/31/19	0	0
Alternative Development and Screening Criteria	02/28/22	05/31/22	-92	0
Alternative Analysis and Recommendation	03/31/22	06/10/22	-71	-10
Draft Report Production	05/31/22	07/05/22	-35	-5
Final Report Production	06/30/22	08/31/22	-62	-31

**Table 3. PROJECT BUDGET, COST, and EAC (in thousands of \$)**

	Budget			Estimate at Completion (EAC)	Variation	
	Original	Changes	Current		Amount	Percentage
	(A)	(B)	(C=A+B)	(D)	(E=C-D)	(F=E/C)
<b>Totals</b>	<b>850</b>	<b>301</b>	<b>1,151</b>	<b>1,151</b>	<b>0</b>	<b>0%</b>

**Table 4. FUNDING (in thousands of \$)**

Fund Source	Type	Board Approved			Activated Funding	Un-activated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
San Mateo County TA	Local	750	301	1,051	1,051	0
City of Redwood City	Local	100		100	100	0
<b>Totals</b>		<b>850</b>	<b>301</b>	<b>1,151</b>	<b>1,151</b>	<b>0</b>

**Table 5. NOTABLE ISSUES (Top 5 in order of priority)**

ID – Issue Title	Responsibility Status	Action	Resolution Date
Community Outreach Efforts	David Pape (Caltrain) ----- Resolved.	Completed targeted outreach activities and closed online survey.	6/10/2022

**KEY ACTIVITIES - Current Reporting Quarter (top 5)**

1. Completed targeted outreach activities and closed online survey.
2. Initiated draft project summary report.
3. Initiated survey summary.

**NEXT KEY ACTIVITIES (top 5)**

1. Summarize outreach results.
2. Develop draft summary report.









**PROJECT NOTES**

**Bernardo Avenue Undercrossing**

Project No. **100667**

**Table 1. Status Summary and Total Project Performance**

Project Phase: **Preliminary Design**

Quarter	Safety	Schedule	Budget	Funding
Current	G 	R 	G 	G 
Previous	G 	G 	G 	G 

1. The schedule has been delayed due to the extensive analysis and review of the concept alternatives provided by the City to help them decide the path forward. The City has decided to move ahead with the preparation of 35% plans using their consultant. The schedule will be fine-tuned and submitted to management committee for re-baseline.

**SCOPE Summary**

The Cities of Sunnyvale and Mountain View and VTA are project sponsors for a proposed new bicycle and pedestrian undercrossing of the Caltrain right-of-way (ROW) at Bernardo Avenue (Project), on the border of the two cities. The proposed undercrossing would provide key access across/under the ROW as well as Central Expressway.

**PLANNING SCOPE Summary**

This proposed capital project is in the initial stages of conceptual design, with multiple alternative designs currently in development and under consideration. Sunnyvale, Mountain View and VTA are seeking technical guidance from Caltrain staff after the JPB granted the Project a Use Variance under the Caltrain Rail Corridor Use Policy.

Project Manager: Njomele Hong

Principal Designer: TBD

Const. Contractor: TB

**Table 2. SAFETY INCIDENTS**

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	0
Type II Incidents	0	0

## Bernardo Avenue Undercrossing

Project No. 100667

Table 3. MILESTONE SCHEDULE

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Change Prev. Quarter
	(A)	(B)	(C=A-B)	(D)
Gate 1 - Project Initiation	02/01/22	02/01/22	0	0
Gate 3 - 35% Development Complete	09/30/22	11/30/22	-61	0
Gate 5 - 100% Development Complete / IFB	06/01/23	03/31/24	-304	0
ROW Permits Complete	06/30/23	03/31/24	-275	0
Environmental Clearance Complete	06/30/23	03/31/24	-275	0
IFB	06/30/23	06/30/24	-366	0
Main Contract Award	12/07/23	12/07/24	-366	0
NTP	01/01/24	01/01/25	-366	0
Gate 6 - Substantial Completion	12/31/26	12/31/27	-365	0
Gate 7 - Start-Up / Turnover Complete	03/31/27	03/31/28	-366	0
Gate 8 - Project Closeout Complete	06/30/27	06/30/28	-366	0

Table 4. PROJECT BUDGET / ESTIMATE AT COMPLETION (in thousands of \$)

	Budget			Estimate at Completion	Variation	
	Original	Changes	Current		Amount	Percentage
	(A)	(B)	(C=A+B)		(D)	(E=C-D)
<b>Totals</b>	<b>64,375</b>	<b>0</b>	<b>64,375</b>	<b>64,375</b>	<b>0</b>	<b>0%</b>

Table 5. FUNDING (in thousands of \$)

Fund Source	Type	Board Approved			Activated Funding	Un-activated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
Bernardo Avenue Undercrossing	Local	42		42	42	0
<b>Totals</b>		<b>42</b>	<b>0</b>	<b>42</b>	<b>42</b>	<b>0</b>

**Bernardo Avenue Undercrossing**

Project No. **100667**

**Table 7. NOTABLE ISSUES (Top 5 in order of priority)**

Issue Title	Responsibility Status	Action	Resolution Date
Path forward decision from the City of Sunnyvale	Arul Edwin Caltrain has provided comments on two options developed by the City for the pedestrians/bike undercrossing project. Caltrain has conveyed a preferred option, which is the east-side option. The City is also in the process of deciding the phase at which the project will be handed over to Caltrain to further develop the project and complete it. Depending on City's decision, the schedule will be adjusted. If City hands over the project to Caltrain at concept level, Caltrain could use the CM/GC delivery method which could reduce the total duration of the project.	Caltrain to continue to coordinate with the City of Sunnyvale.	TBD
Funding shortfall	Arul Edwin The City is discussing with the VTA on funding issues.	City and VTA are working to select a preferred alternative and then identify the remaining funds for construction.	07/31/22

**KEY ACTIVITIES - Current Reporting Quarter (top 5)**

1. Caltrain shared a vision for Bernardo that depicted a method for project acceleration by taking on 5% to Construction.
2. Caltrain Engineering visited sites and documented conditions for Cities as part of pre meeting.
3. Caltrain received feedback on funding and is seeking further clarification from Cities for the completion of the project.
4. Caltrain met with the City and discussed the path forward and agreed to the City's proposal of completing the 30% design by themselves.

**NEXT KEY ACTIVITIES (top 5)**

1. Cities (SV &MV) and Caltrain will discuss how to advance the MOU/Service Agreement.
2. Cities will present the options to the respective councils and select a preferred alternative.
3. Revise the schedule after discussions with the City.

**PROJECT NOTES**

1. Budget shown for construction, Construction Management (CM) and Design Support During Construction (DSDC) are escalated for three years at the Year Over Year rate of 4%.
2. City and VTA are working to select a preferred alternative and then identify the remaining funds for construction.

Sunnyvale Grade Separation

Project No. 100668

**STATUS SUMMARY**

Project Phase: **2 - Development (0-15%)**

Planning, Engineering and Capital Delivery staff have been coordinating with the City of Sunnyvale to understand where they are in the grade separation planning process. Rail Development has reviewed the City's latest conceptual alternatives for grade separations at Mary and Sunnyvale Avenues and a comment review meeting between the City and Caltrain is scheduled for July 13, 2022. The City would like technical guidance from Caltrain staff so they can select preferred alternatives by winter 2021/22. A third party service agreement between the City and Caltrain was executed on December 8, 2021, which will lead to Caltrain taking on PE and Environmental for Mary Avenue - the City's priority grade separation project.

**PROJECT SCOPE Summary**

There are two at-grade crossings in the City of Sunnyvale - Mary Avenue and Sunnyvale Avenue. The City of Sunnyvale is prioritizing a potential grade separation at Mary Avenue, though they are interested in separating Sunnyvale Avenue as well. For the past couple years, the City has been investigating a number of conceptual alternatives for both crossings. The City would like to identify a preferred alternative for each crossing by August 30, 2022 and advance the Mary Avenue grade separation into PE and Environmental with Caltrain leading the effort.

**PLANNING SCOPE Summary**

The City of Sunnyvale is investigating two conceptual alternatives at Mary Avenue including an underpass with a jughandle and a full underpass. In the first option (underpass with a jughandle) Mary Avenue would be depressed with the railroad and Evelyn Avenue at grade. Bike lanes and a sidewalk would be constructed along the depressed Mary Avenue. In the second option (full underpass) Evelyn and Mary Avenues would be depressed with the railroad remaining at grade. Bike lanes and a sidewalk would be constructed along the depressed roadways. Sunnyvale is seeking technical guidance from Caltrain staff on the conceptual alternatives so they can select a preferred alternative by August 30, 2022.

Project Manager: Dennis Kearney  
 Capital Development and Delivery Project Manager: Arul Edwin  
 Sponsors: City of Sunnyvale

**NOTABLE ISSUES (Top 5 in order of priority)**

ID – Issue Title	Responsibility Status	Action	Resolution Date

**KEY ACTIVITIES - Current Reporting Quarter (top 5)**

1. Coordinated with Rail Development on review and comment of City's 15% design concepts.
2. Continued coordination w/City re: potential for Caltrain to take on PE and Environmental when planning phase complete.
3. Internal coordination and preparation for July 13, 2022 meeting with City and their consultants re Caltrain review of 15% design.

**NEXT KEY ACTIVITIES (top 5)**

1. Facilitate July 13, 2022 meeting with City and their consultants to review/discuss Caltrain comments on 15% designs.
2. Prepare and distribute July 13, 2022 meeting notes follow up on action items.
3. Coordinate with City on schedule for 15% design revisions.
4. Continue coordination with City to discuss potential delivery strategies for project and project funding.
5. Continue coordination w/sponsor re: potential for Caltrain to take on PE and Environmental when planning phase complete.

**PROJECT NOTES**



Middle Avenue Undercrossing

Project No. 100686

**STATUS SUMMARY**

Project Phase: 2 - Development (0-15%)

Coordinating with City and Caltrain Engineering and Capital Delivery departments on review of City's updated 30% designs. Internal discussions on the need for a Service Agreement Amendment for development of MOU and RFP, which would dictate Caltrain and the City's coordination, as well as roles and responsibilities as the project progresses towards advanced design. Internal Caltrain Phase Gate I process has been completed.

**PROJECT SCOPE Summary**

The Middle Avenue Undercrossing (Project) is a proposed bicycle and pedestrian undercrossing that would improve safety and connectivity in the area around Middle Avenue in Menlo Park. The Project would serve a new Stanford development, which is adjacent to Middle Avenue, as well as middle school children in the area. The city of Menlo Park is the Project sponsor.

**PLANNING SCOPE Summary**

This proposed capital project is in the early design phase, with the City having selected a preferred design that has been advanced to 30% design. Planning and Rail Development staff have coordinated with the City to execute a third party service agreement for design concept review by Caltrain Engineering. Future coordination with the City will potentially include development of an MOU (including roles and responsibilities) and an RFP for final design. Caltrain Planning and Rail Development are currently in discussions on need/timing for a service agreement to cover the development of the next MOU/RFP for Final Design.

Project Manager: Dennis Kearney  
 Capital Development and Delivery Project Manager: Arul Edwin  
 Sponsors: City of Menlo Park

**NOTABLE ISSUES (Top 5 in order of priority)**

Issue Title	Responsibility Status	Action	Resolution Date
Design Exception	TBD The City will be seeking a design exception for the distance between the underground structure and top of rail.	Staff need to talk the City through the process to obtain such a design exception. (The exception has been verbally approved.)	TBD
Right of Way	TBD The City would like to place ramps and stairs on JPB property.	Rail Development has concluded that ramps on JPB ROW presents issues related to electrification and safety. The City has been advised that design revisions are needed to avoid JPB ROW. Rail Development has also shared design ideas with the City and their consultant, which fully avoid JPB ROW.	TBD

**Middle Avenue Undercrossing**Project No. **100686****KEY ACTIVITIES - Current Reporting Quarter (top 5)**

1. Coordinated with City to determine schedule/timing for review and comment of design concepts.
2. Reviewed and commented on City's 15% design concepts.
3. Facilitated internal meeting with Rail Development re Caltrain's review of City's 30% design.
4. Prepared slide presentation for June 30, 2022 meeting; coordinated internally.
5. Facilitated June 30, 2022 meeting with Sponsor and their consultant to discuss Caltrain comments on 30% design and path forward.

**NEXT KEY ACTIVITIES (top 5)**

1. Prepare and distribute meeting notes from June 30, 2022 meeting and follow up on meeting action items.
2. Coordinate with Rail Development and City on development of SA amendment for development of MOU and RFP.
3. Coordinate with City regarding SA Amendment funding approvals required.
3. Continue coordination with City to address project budget and funding.
4. Coordinate with Rail Development on identifying near-term tasks to complete while City completes 30% design process.

**PROJECT NOTES**

PLANNING  
Miscellaneous

Enterprise Asset Management (EAM) Software System

Project No. 100564

Table 1. Status Summary and Total Project Performance

Project Phase: 1 – Initiation

Quarter	Safety	Schedule	Budget	Funding
Current	G	G	G	G
Previous	G	G	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
NA	NA	100%

SCOPE Summary

This project is for the implementation of Caltrain’s Transit Asset Management (TAM) Program. Activities include asset data gathering and organization, and EAM software system implementation (requirement gathering, procurement, and deployment).

Project Manager: Aaron Lam

Principal Designer: TBD

Const. Contractor: TBD

Table 2. SAFETY INCIDENTS

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	0
Type II Incidents	0	0

Table 3. MILESTONE SCHEDULE

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Change Prev. Quarter
	(A)	(B)	(C=A-B)	(D)
Gate 1 – Project Initiation	03/31/23	03/31/23	0	0
Planning and Activation Complete	06/30/23	06/30/23	0	0
Award Contract	07/06/23	07/06/23	0	0
NTP	08/07/23	08/07/23	0	0
Concept Development Sample Complete	09/30/23	09/30/23	0	0
Implementation Complete	09/30/25	09/30/25	0	0
Gate 8 – Closeout	12/31/25	12/31/25	0	0

Enterprise Asset Management (EAM) Software System

Project No. 100564

**Table 4. PROJECT BUDGET / ESTIMATE AT COMPLETION (in thousands of \$)**

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100	1,660		1,660	1,660	0	0.0%
Environmental	1200			0	0	0	
Real Estate	2100			0	0	0	
Utilities Relocations	2200			0	0	0	
Construction ODCs	2300			0	0	0	
Const./Impl. Contracts	3100	6,020		6,020	6,020	0	0.0%
Construction Management	4100			0	0	0	
Design Support During Const.	4200	297		297	297	0	0.0%
Testing & Commissioning	4300			0	0	0	
Agency/ODCs	5000	1,386		1,386	1,386	0	0.0%
Project Management	5100			0	0	0	
Project & Document Control	5200			0	0	0	
Finance/Accounting	5300			0	0	0	
Contracts & Procurement	5400			0	0	0	
Legal	5500			0	0	0	
Information Technology	5600			0	0	0	
Communications/P. Relations	5700			0	0	0	
Human Resources	5800			0	0	0	
Safety/Security & Risk Mgmt.	5900			0	0	0	
Equip./Material Purchases	6100	50		50	50	0	0.0%
CalMod Program	7100			0	0	0	
Oper. Support	8100	310		310	310	0	0.0%
<b>Subtotals</b>	NA	<b>9,723</b>	<b>0</b>	<b>9,723</b>	<b>9,723</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	277	<b>0</b>	<b>0.0%</b>
Unallocated Contingency	9900	277		277	NA		
<b>Grand Totals</b>	NA	<b>10,000</b>	<b>0</b>	<b>10,000</b>	<b>10,000</b>	<b>0</b>	<b>0.0%</b>

(*) ICAP already included in totals above	385		385	385	0	
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Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

**Table 5. FUNDING (in thousands of \$)**

Fund Source	Type	Board Approved			Activated Funding	Un-activated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
SFCTA Prop K	Local	750		750	750	0
<b>Totals</b>		<b>750</b>	<b>0</b>	<b>750</b>	<b>750</b>	<b>0</b>

**Enterprise Asset Management (EAM) Software System**

Project No. **100564**

**Table 6. NOTABLE RISKS** (Top 5 in order of priority) (Budget Impact in thousands of \$, Schedule Impact in days)

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
None	-----		-----	

**Table 7. NOTABLE ISSUES** (Top 5 in order of priority)

Issue Title	Responsibility Status	Action	Resolution Date
None	-----		

**KEY ACTIVITIES - Current Reporting Quarter** (top 5)

1. Continued data collection and verification under (separate) GIS project.

**NEXT KEY ACTIVITIES** (top 5)

1. Continue data collection and verification under (separate) GIS project.

**PROJECT NOTES**

1. No expenses have been registered in PeopleSoft yet.
2. The schedule has been re-baselined to reflect the changes approved by Management Committee.

Update and Upgrade GIS System

Project No. 100565

**Table 1. Status Summary and Total Project Performance**

Project Phase: 1 – Project Initiation

Quarter	Safety	Schedule	Budget	Funding
Current	G	G	G	G
Previous	G	G	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
NA	NA	100%

**SCOPE Summary**

This project will implement a Geographic Information Software (GIS) System which will centralize, modernize, map, integrate, and augment existing tools and resources. The goal is to deliver: comprehensive, current and accurate data about Caltrain’s assets and right-of-way to staff and decision makers at their desks or on their mobile devices via GIS. Project activities include asset location data collection and GIS requirements evaluation, procurement, and implementation.

Project Manager: Clayton Statham  
 Principal Designer: TBD  
 Const. Contractor: TBD

**Table 2. SAFETY INCIDENTS**

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	0
Type II Incidents	0	0

**Table 3. MILESTONE SCHEDULE**

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Change Prev. Quarter
	(A)	(B)	(C=A-B)	(D)
Gate 1 – Project Initiation	02/10/22	02/10/22	0	0
Planning Complete	07/31/22	07/31/22	0	0
Award Contract	02/02/23	02/02/23	0	0
NTP	02/12/23	02/12/23	0	0
Implementation Complete	08/13/23	08/13/23	0	0
Gate 8 – Closeout	11/10/23	11/10/23	0	0

Update and Upgrade GIS System

Project No. 100565

**Table 4. PROJECT BUDGET / ESTIMATE AT COMPLETION (in thousands of \$)**

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100	149		149	149	0	0.0%
Environmental	1200			0	0	0	
Real Estate	2100			0	0	0	
Utilities Relocations	2200			0	0	0	
Construction ODCs	2300			0	0	0	
Const./Impl. Contracts	3100	2,658		2,658	2,658	0	0.0%
Construction Management	4100			0	0	0	
Design Support During Const.	4200			0	0	0	
Testing & Commissioning	4300			0	0	0	
Agency/ODCs	5000			0	0	0	
Project Management	5100	310		310	310	0	0.0%
Project & Document Control	5200	70		70	70	0	0.0%
Finance/Accounting	5300			0	0	0	
Contracts & Procurement	5400	21		21	21	0	0.0%
Legal	5500			0	0	0	
Information Technology	5600			0	0	0	
Communications/P. Relations	5700			0	0	0	
Human Resources	5800			0	0	0	
Safety/Security & Risk Mgmt.	5900			0	0	0	
Equip./Material Purchases	6100			0	0	0	
CalMod Program	7100			0	0	0	
Oper. Support	8100	96		96	96	0	0.0%
<b>Subtotals</b>	NA	<b>3,304</b>	<b>0</b>	<b>3,304</b>	<b>3,304</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	696	<b>0</b>	<b>0.0%</b>
Unallocated Contingency	9900	696		696	NA		
<b>Grand Totals</b>	NA	<b>4,000</b>	<b>0</b>	<b>4,000</b>	<b>4,000</b>	<b>0</b>	<b>0.0%</b>

(*) ICAP already included in totals above	150		150	150	0	
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Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

**Table 5. FUNDING (in thousands of \$)**

Fund Source	Type	Board Approved			Activated Funding	Unactivated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
SAMTRNCCFP	Local	23		23	23	0
SFCTA Prop K	Local	477		477	477	0
<b>Totals</b>		<b>500</b>	<b>0</b>	<b>500</b>	<b>500</b>	<b>0</b>



Update and Upgrade GIS System

Project No. 100565

**Table 6. NOTABLE RISKS (Top 5 in order of priority) (Budget Impact in thousands of \$, Schedule Impact in days)**

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
None.				

**Table 7. NOTABLE ISSUES (Top 5 in order of priority)**

Issue Title	Responsibility Status	Action	Resolution Date
Reduction and reprioritization of project scope	Zouheir Farah Direction received to change the project scope as a way to accelerate project delivery through: (1) Removal of cross department coordination and data governance, and (2) Reprioritization of GIS solutions for Engineering	Impacts and risks regarding direction received were discussed; Provided direction as described stands.  Direction received will be used to update the project work plan for Management Committee approval.	TBD
Expansion of data gathering efforts	Zouheir Farah Direction received to investigate new technologies (terrestrial LiDAR, Ground Penetrating Radar, 360 camera) and redirect project efforts into significant additional data gathering measures.  Project delivery schedule will be affected due to reallocation of resources.	Investigation into technologies as directed has begun.  Information collected will be used to update the project work plan for Management Committee approval, as appropriate.	TBD
Delay with aerial imagery and LiDAR deliverables	Clayton Statham Vendor experienced a 1-week delay with the initial 5% data deliverable because of increased processing time with the 4TB LiDAR dataset. The initial project delivery schedule has been affected; however, the vendor believes this slight slip will not impact the 50% data deliverable scheduled for July 28th.	Maintain communication with vendor to ensure the schedule gets back on track. In the unlikely event of a project delay, PM will work with C&P as needed.	7/28/2022

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**Update and Upgrade GIS System**Project No. **100565**

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**KEY ACTIVITIES - Current Reporting Quarter (top 5)**

1. Held the kick-off meeting and issued NTP to Aerial Imagery & LiDAR. Geo wing completed 56% of the filed survey.
2. Completed the digitization and attribution of all Caltrain track segments and linear referenced network down to MP 50.94.
3. Updated AGOL Field Maps App: New/Revised drop down lists, corrected a Projection & Datum issue, and conducted an RTK-GPS field survey at San Carlos station and collected 61 station assets.
4. Configured GIS Virtual Development Environment and documented the windows features add-ons and application installation process.
5. Cleaned and removed erroneous noise from the 2020 mobile LiDAR data. Used open-source software compiled all 20 point clouds into a single dataset and published to a LiDAR viewer.

**NEXT KEY ACTIVITIES (top 5)**

1. Continue the development of a GIS data viewer using OpenLayers & GeoJSON.
2. Support IT with the on-going Esri negotiations for an Enterprise Agreement.
3. Aerial vendor to deliver 25% of imagery and LiDAR data.
4. Migrate the existing GIS workplan to the new project workplan format
5. Continue technology hardware and software investigation supporting upcoming engineering efforts.

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**PROJECT NOTES**





None

Verizon Sink Hole Repair San Jose

Project No. 100685

**Table 1. Status Summary and Total Project Performance**

Project Phase: 1 - Initiation

Quarter	Safety	Schedule	Budget	Funding
Current	G 	R 	G 	G 
Previous	NA	NA	NA	NA

Progress (%)	Change Prev. Qtr.	EAC / Budget
TBD	0.00%	100%

1. Project Schedule is extended due to delay in Agreements between the parties. Request the Management Committee to rebaseline the schedule. The date to submit the request is August 2022.

**SCOPE Summary**

A third party utility company (Verizon) damaged an underground storm drain line near PCJPB right of way in San Jose. Verizon is not accepting responsibility. JPB investigation indicates it is Verizon's line. This has resulted in a lack of stability to the railroad sub-grade and subsidence that has the potential to make the tracks impassable for trains and thus cause major disruption to the rail service.

Scope is as follows: 56 hour weekend closure of tracks T-13 (UPRR) and MT-1 (UPRR), vacuum excavation with slide shoring, backfilling, surface restoration, pipe repair, facility relocation, any and all other incidentals for the work involved. Contractor included a \$50k option to Gyroscopic Mapping of the conflicting utility.

The storm drain line repair will be done by the City of San Jose concurrent with the other work. The City says this will take 6-8 hours. Verizon line will either be removed or relocated.

Project Manager: Andy Kleiber

Principal Designer: TBD

Const. Contractor: NA

**Table 2. SAFETY INCIDENTS**

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	0
Type II Incidents	0	0

**Table 3. MILESTONE SCHEDULE**

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Change Prev. Quarter
	(A)	(B)	(C=A-B)	(D)
Gate 1 - Project Initiation	04/28/22	04/28/22	0	NA
Gate 4 – Development (65%)	05/31/22	09/30/22	-122	NA
Gate 5 – Development (100/IFB)	06/16/22	10/31/22	-137	NA
Gate 6 – Substantial Completion	07/01/22	01/31/23	-214	NA
Gate 7 – Start-up/Turnover	07/01/22	01/31/23	-214	NA
Gate 8 – Closeout	08/01/22	01/31/23	-183	NA

Verizon Sink Hole Repair San Jose

Project No. 100685

**Table 4. PROJECT BUDGET / ESTIMATE AT COMPLETION** (in thousands of \$)

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C=A+B)	(D)	(E=C-D)	(F=E/C)
Planning & Engineering	1100	8		8	8	0	0.0%
Environmental	1200	10		10	10	0	0.0%
Real Estate	2100	0		0	0	0	
Utilities Relocations	2200	0		0	0	0	
Construction ODCs	2300			0	0	0	
Const./Impl. Contracts	3100	200		200	200	0	0.0%
Construction Management	4100	15		15	15	0	0.0%
Design Support During Const.	4200	30		30	30	0	0.0%
Testing & Commissioning	4300	0		0	0	0	
Agency/ODCs	5000	0		0	0	0	
Project Management	5100	18		18	18	0	0.0%
Project & Document Control	5200	2		2	2	0	0.0%
Finance/Accounting	5300	0		0	0	0	
Contracts & Procurement	5400	0		0	0	0	
Legal	5500	12		12	12	0	0.0%
Information Technology	5600	0		0	0	0	
Communications/P. Relations	5700	0		0	0	0	
Human Resources	5800	0		0	0	0	
Safety/Security & Risk Mgmt.	5900	0		0	0	0	
Equip./Material Purchases	6100	0		0	0	0	
CalMod Program	7100	0		0	0	0	
Oper. Support	8100	20		20	20	0	0.0%
<b>Subtotals</b>	NA	<b>315</b>	<b>0</b>	<b>315</b>	<b>315</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	250	<b>0</b>	0.0%
Unallocated Contingency	9900	250		250	NA		
<b>Grand Totals</b>	NA	<b>565</b>	<b>0</b>	<b>565</b>	<b>565</b>	<b>0</b>	<b>0.0%</b>
(*) ICAP already included in totals above		22	0	22	22	0	0.0%

Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

**Table 5. FUNDING** (in thousands of \$)

Fund Source	Type	Board Approved			Activated Funding	Unactivated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
Samtr CCF Contr	Other	500		500	500	0
<b>Totals</b>		<b>500</b>	<b>0</b>	<b>500</b>	<b>500</b>	<b>0</b>

Verizon Sink Hole Repair San Jose

Project No. 100685

**Table 6. NOTABLE RISKS (Top 5 in order of priority) (Budget Impact in thousands of \$, Schedule Impact in days)**

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
More settlement of track.	Verizon	JPB will monitor and track cost of corrections.	\$ 1	Med
	Monitoring the settlement.			
Verizon doesn't agree on compensation.	Verizon	Utilize emergency funds to keep work going (soft costs) and monitor situation. Legal remedies.	\$ 5	Med
	In negotiations			
City of San Jose determine SS line cannot be replaced, but needs to be repaired.	City of San Jose	Find alternatives.	\$ 5	Med
	Under review.			

**Table 7. NOTABLE ISSUES (Top 5 in order of priority)**

Issue Title	Responsibility Status	Action	Resolution Date
Agreement Between Parties.	Legal	Draft agreement is being worked on.	8/1/2022
	Negotiation.		

**KEY ACTIVITIES - Current Reporting Quarter**

1. Negotiation on agreement and scope.
2. Verizon agreed to take the lead on making all of the repairs.
3. UPRR indicated temporary removal of their tracks is not realistic. Costly and 9-12 months before this could be done.
4. City is reviewing a proposal to replace their SS line, eliminating need to remove tracks.

**NEXT KEY ACTIVITIES**

1. Get parties to agree in principle.
2. Formalize agreements.

**PROJECT NOTES**

This is the first QSR for the project.

**PROJECT PHOTOS**





To be updated.

**Downtown Rail Extension (DTX)**

Project No. **100687**

**Table 1. Status Summary and Total Project Performance**

Project Phase: **1 – Initiation**

Quarter	Safety	Schedule	Budget	Funding
Current	G 	G 	G 	G 
Previous	NA	NA	NA	NA

Progress (%)	Change Prev. Qtr.	EAC/Budget
NA	NA	100%

**SCOPE Summary**

The DTX project is a critical element of the 2040 Service Vision, and is anticipated to provide significant uplift to Caltrain's ridership. Caltrain already serves as a vital regional link by connecting San Francisco to the Peninsula, Silicon Valley and San Jose, but it currently ends 1.3 miles from downtown San Francisco. The DTX will extend the Caltrain rail line into the Salesforce Transit Center and directly serve the Financial District. Extending Caltrain into downtown will directly save commuters almost an hour a day in travel time, and will result in less driving and more people taking the train into the City from the Peninsula.

Project Manager: Anthony Simmons  
 Principal Designer: TBD  
 Const. Contractor: TBD

**Table 2. SAFETY INCIDENTS**

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	0
Type II Incidents	0	0

**Table 3. MILESTONE SCHEDULE**

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Change Prev. Quarter
	(A)	(B)	(C=A-B)	(D)
Gate 1 – Project Initiation	03/31/23	03/31/23	0	0
Planning and Activation Complete	06/30/23	06/30/23	0	0
Award Contract	07/06/23	07/06/23	0	0
NTP	08/07/23	08/07/23	0	0
Concept Development Sample Complete	09/30/23	09/30/23	0	0
Implementation Complete	09/30/25	09/30/25	0	0
Gate 8 – Closeout	12/31/25	12/31/25	0	0

**Downtown Rail Extension (DTX)**

Project No. **100687**

**Table 4. PROJECT BUDGET / ESTIMATE AT COMPLETION (in thousands of \$)**

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100	1,162		1,162	1,162	0	0.0%
Environmental	1200	2		2	2	0	0.0%
Real Estate	2100	0		0	0	0	0.0%
Utilities Relocations	2200			0	0	0	
Construction ODCs	2300			0	0	0	
Const./Impl. Contracts	3100			0	0	0	
Construction Management	4100			0	0	0	
Design Support During Const.	4200			0	0	0	
Testing & Commissioning	4300			0	0	0	
Agency/ODCs	5000	163		163	163	0	0.0%
Project Management	5100	9		9	9	0	0.0%
Project & Document Control	5200	7		7	7	0	0.0%
Finance/Accounting	5300	23		23	23	0	0.0%
Contracts & Procurement	5400			0	0	0	
Legal	5500			0	0	0	
Information Technology	5600			0	0	0	
Communications/P. Relations	5700	7		7	7	0	0.0%
Human Resources	5800			0	0	0	
Safety/Security & Risk Mgmt.	5900			0	0	0	
Equip./Material Purchases	6100			0	0	0	
CalMod Program	7100			0	0	0	
Oper. Support	8100	13		13	13	0	0.0%
<b>Subtotals</b>	NA	<b>1,385</b>	<b>0</b>	<b>1,385</b>	<b>1,385</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	40	<b>0</b>	<b>0.0%</b>
Unallocated Contingency	9900	40		40	NA		
<b>Grand Totals</b>	NA	<b>1,425</b>	<b>0</b>	<b>1,425</b>	<b>1,425</b>	<b>0</b>	<b>0.0%</b>

(*) ICAP already included in totals above	55		55	55	0	
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Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

\* Budget and EAC in the table applies only to Planning phase and does not include Construction estimate.

**Table 5. FUNDING (in thousands of \$)**

Fund Source	Type	Board Approved			Activated Funding	Un-activated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
TBD	Local	0		0	0	0
<b>Totals</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Downtown Rail Extension (DTX)**

Project No. **100687**

**Table 6. NOTABLE RISKS** (Top 5 in order of priority) (Budget Impact in thousands of \$, Schedule Impact in days)

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
None	-----		-----	

**Table 7. NOTABLE ISSUES** (Top 5 in order of priority)

Issue Title	Responsibility Status	Action	Resolution Date
None	-----		

**KEY ACTIVITIES - Current Reporting Quarter (top 5)**

1. Currently finalizing reimbursement agreement with TJPA to cover Caltrain's costs for FY22 (consultants only) and all costs for FY23.
2. Currently continuing project development and design review activities with TJPA as well as other DTX partners.
3. Continuing to negotiate a Master Cooperative Agreement with the TJPA.

**NEXT KEY ACTIVITIES (top 5)**

1. Continue discussions for developing a Master Cooperative Agreement with TJPA.
2. Present the Letter of Agreement to the JPB for its consideration and action at its August 2022 meeting.
3. Continue project development and design review activities.

**PROJECT NOTES**

1. No expenses have been registered in PeopleSoft yet.











**CLOSEOUT**  
**Row Bridges**

**Marin and Napoleon Bridge Replacement Project**

Project No. **002080**

**Table 1. Status Summary and Total Project Performance**

Project Phase: **8 - Closeout**

Quarter	Safety	Schedule	Budget	Funding
Current	G 	R 	G 	G 
Previous	G 	R 	G 	G 

Progress (%)	Change Prev. Qtr.	EAC/Budget
<b>99.50%</b>	0.86%	87%

The original contract bid quantities were exceeded and a Contract Change Order to adjust them has been approved. Project is near completion and will not seek for a schedule re-baseline.

**SCOPE Summary**

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:

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

Additional trackwork to replace the rail on MT1 and MT2 from approximate MP 2.10 to MP 2.63.

Project Manager: Mike Chan

Principal Designer: RSE

Const. Contractor: Proven Management, Inc.

**Table 2. SAFETY INCIDENTS**

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	1
Type II Incidents	0	0

**Table 3. MILESTONE SCHEDULE**

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Change Prev. Quarter
	(A)	(B)	(C=A-B)	(D)
Project Start	12/1/2014	12/1/2014	0	0
Preliminary 35% Design	3/31/2016	3/31/2016	0	0
95% Design	6/17/2019	6/17/2019	0	0
100% Design	8/30/2019	8/30/2019	0	0
Revised 95% Design	1/28/2020	1/28/2020	0	0
IFB	2/14/2020	2/14/2020	0	0
Revised 100% Design	2/14/2020	2/14/2020	0	0
Bid Opening	3/13/2020	3/13/2020	0	0
Award	7/9/2020	7/9/2020	0	0
LNTF	8/10/2020	8/10/2020	0	0
NTP	11/11/2020	11/11/2020	0	0
Interim Completion	4/30/2021	4/30/2021	0	0
Construction Complete	8/30/2021	8/25/2021	5	0
Gate 8 - Closeout	1/1/2022	7/31/2022	-211	-31

Marin and Napoleon Bridge Replacement Project

Project No. 002080

Table 4. PROJECT BUDGET / ESTIMATE AT COMPLETION (in thousands of \$)

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100	450	750	1,200	1,220	-20	-1.7%
Environmental	1200	200		200	46	154	76.8%
Real Estate	2100	15	85	100	100	0	0.0%
Utilities Relocations	2200	0	85	85	87	-2	-2.1%
Construction ODCs	2300			0		0	
Const./Impl. Contracts	3100	2,000	7,646	9,646	9,510	136	1.4%
Construction Management	4100	545	1,182	1,727	1,562	165	9.6%
Design Support During Const.	4200	0	770	770	610	160	20.8%
Testing & Commissioning	4300	0		0	0	0	
Agency/ODCs	5000	700	1,150	1,850	1,800	50	2.7%
Project Management	5100			0		0	
Project & Document Control	5200			0		0	
Finance/Accounting	5300			0		0	
Contracts & Procurement	5400			0		0	
Legal	5500			0		0	
Information Technology	5600			0		0	
Communications/P. Relations	5700			0		0	
Human Resources	5800			0		0	
Safety/Security & Risk Mgmt.	5900			0		0	
Equip./Material Purchases	6100			0		0	
CalMod Program	7100			0		0	
Oper. Support	8100	220	300	520	475	45	8.7%
<b>Subtotals</b>	NA	<b>4,130</b>	<b>11,968</b>	<b>16,098</b>	<b>15,410</b>	<b>688</b>	<b>4.3%</b>
Unknown Risks	NA	NA	NA	NA	0	<b>1,552</b>	100.0%
Unallocated Contingency	9900	620	932	1,552	NA		
<b>Grand Totals</b>	<b>NA</b>	<b>4,750</b>	<b>12,900</b>	<b>17,650</b>	<b>15,410</b>	<b>2,240</b>	<b>12.7%</b>
(*) ICAP already included in totals above		0	1,071	1,071	1,071	0	0.0%

Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

Table 5. FUNDING (in thousands of \$)

Fund Source	Type	Board Approved			Activated Funding	Unactivated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
FTA	Federal	11,750		11,750	11,750	0
FY21 STA SOGR	State	1,351		1,351	1,351	0
Prop K - SFCTA & General	Local	3,278		3,278	3,278	0
FY20 AB664 Bridge Toll	Other	640		640	640	0
TBD	Other	631		631	0	631
<b>Totals</b>		<b>17,650</b>	<b>0</b>	<b>17,650</b>	<b>17,019</b>	<b>631</b>

**Marin and Napoleon Bridge Replacement Project**

Project No. **002080**

**Table 6. NOTABLE RISKS** (Top 5 in order of priority) (Budget Impact in thousands of \$, Schedule Impact in days)

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
None.	-----		\$ -	

**Table 7. NOTABLE ISSUES** (Top 5 in order of priority)

Issue Title	Responsibility Status	Action	Resolution Date
None.	-----		

**KEY ACTIVITIES - Current Reporting Quarter** (top 5)

1. Continued contract closeout activities.

**NEXT KEY ACTIVITIES** (top 5)

1. Continue contract closeout activities and finish the project.

**PROJECT NOTES**

1. Some of the project's funding is pending activation. The project is concluding and the unactivated amount will not be needed.

Marin and Napoleon Bridge Replacement Project

Project No. 002080

PROJECT PHOTOS



Photo 1 - Marin Street New Walkways



Photo 2 - Napoleon Northeast Retaining Wall



Photo 3 - Napoleon South Abutment



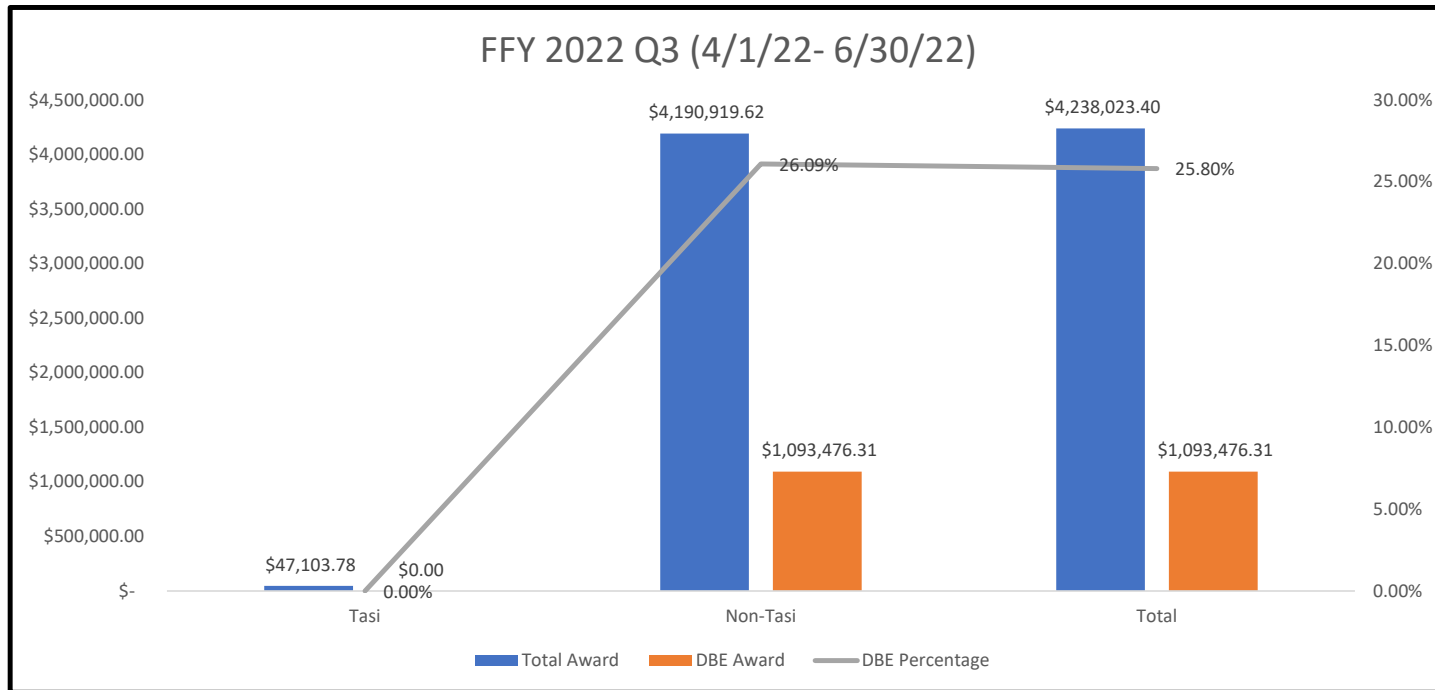
Photo 4 - New Napoleon Bridge

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**Appendix A - Disadvantaged Business Enterprise (DBE)**

**Disadvantaged Business Enterprise (DBE)**

# JPB Award



Note: The total DBE attained Year-to-date is \$0 for TASI and \$1,284,209.60 for Non-TASI projects for JPB.

**Appendix B - Project Performance Status Light Criteria**

Status Light	Event Trigger	Range & Limits	Light
<b>Budget</b> <sup>(1)</sup>	(a) CPI	CPI < 0.95	<b>Red</b>
		CPI >= 0.95 and < 0.98	<b>Yellow</b>
		CPI >= 0.98	<b>Green</b>
	(b) EAC greater than Approved Budget	10% or more; or \$2M or more	<b>Red</b>
		Up to 10% or less or up to \$2M or less	<b>Yellow</b>
		EAC <= budget	<b>Green</b>
<b>Schedule</b> <sup>(1)</sup>	(a) SPI	SPI < 0.95	<b>Red</b>
		SPI >= 0.95 and < 0.98	<b>Yellow</b>
		SPI >= 0.98	<b>Green</b>
	(b) Major Milestones delay (Forecasted vs. Baseline) <sup>(2)</sup>	Delay of 3 months or more	<b>Red</b>
		Delay between 1 day and 3 months	<b>Yellow</b>
		On time or early	<b>Green</b>
<b>Funding</b> <sup>(1)</sup>	Phase EAC <sup>(3)</sup> vs. Activated Funds	Activated Funds can only cover Projected	<b>Red</b>
		Activated Funds can cover Projected Costs	<b>Yellow</b>
		Phase EAC <sup>(3)</sup> Equal or less than Activated	<b>Green</b>
<b>Safety</b>	Occurrence of one or more safety incidents during reporting period	One or more Type II incidents (injury of	<b>Red</b>
		One Type I incident (Near Miss or incident	<b>Yellow</b>
		No incidents	<b>Green</b>

Notes:

1. For lights with more than one event trigger, the worst performing light will be shown.
2. Light color is based on the worst performing pending milestone (completed milestones are not considered).
3. Phase EAC refers to the cumulative Estimate At Completion (EAC) up to the end of the current phase of the project.



## Appendix C - Definition of Terms

### Accruals

An estimated or known cost for the work performed, equipment, or materials received, through the current reporting period that hasn't been recorded in the financial system as expended.

### Activated Funding (in Funding)

The portion of the total approved project funding that is available and ready to be expended. See Un-activated Amount and Board Approved.

### Allocated Contingency

The portion of the project's contingency budget allocated to contracts or specific types of work. See Contingency and Unallocated Contingency.

### Baseline

The currently approved plan that includes the project scope, budget and schedule. Performance indicators are calculated by comparing the current progress against the planned progress according to the baseline.

### Baseline Completion (in Milestone Schedule)

The milestone planned date of completion in the currently assigned project baseline.

### Board Approved (in Funding)

The funding approved by the Board for the completion of the project. It includes approved current and previous years capital budgets and capital budget amendments.

### Budget Changes (in Project Budget/Estimate at Completion)

Changes to the original budget that have been approved by management through the change management process.

### Budget Original (in Project Budget/Estimate at Completion)

The budget approved in the first or original project baseline.

### Completion (in Milestone Schedule)

The current estimated or actual date of completion for a milestone.

### EAC (Estimate at Completion)

The estimated final cost of the project, or a particular type of work, based on actual expenses to date and estimated expenses of remaining work.

### EAC/Budget (in Status Summary)

The percent of the Estimate at Completion covered by the current project budget.

### Issues

Events that are occurring or have already occurred that have negative consequences for a project, that are recoverable or can be mitigated in some way.

### Key Activities

Activities performed in the current period and activities anticipated for the next.

### Milestone Schedule

Lists the project's significant events or important achievements in the project lifecycle. It is considered a high level summary schedule for the project.

### Notable Issues

Most important project issues that are currently affecting the objectives, scope, schedule, budget and/or the adequate funding of the project.

### Notable Risks

Most important project risks that may impact the objectives, scope, schedule, budget and/or the adequate funding of the project.

### Phase

Refers to the current project phase. For the Capital Program, the project phases are: Initiation, Development (0-15%), Development (16-35%), Development (36-65%), Development (66-100%)/IFB, Construction/Implementation, and Closeout.

**Phase EAC**

Refers to the Estimate at Completion at end of the current project phase.

**Resolution Date (in Notable Issues)**

The latest date an issue needs to be resolved before it begins to affect the objectives, scope, schedule, budget and/or the adequate funding of the project.

**Risks**

Events or uncertain conditions that, if they occur, have a negative or positive impact in the project's objectives.

**Safety Incidents**

Reported safety incidents related to the execution of project work, that occurred during the reporting period.

**Scope Summary**

High level description of the objectives and principal deliverables of the project.

**Type I Incidents (in Safety)**

Near Miss or incident requiring written report based on contract requirements.

**Type II Incidents (in Safety)**

Injury of worker or passenger requiring a report to the Federal Railroad Administration.

**Type of Work**

Categories defined for classifying project costs.

**Un-activated Amount (in Funding)**

Portion of the Board Approved funding for the project that has not been Activated. See Activated Funding.

**Unallocated Contingency**

Portion of total project contingency budget to account for Unknown Risks.

**Unknown Risks**

Unidentified risks that have not been accounted for and are included in the Unallocated Contingency budget.

**Appendix D - Capital Program Major Milestones by Project**

Capital Program Major Milestones by Project





### Caltrain Capital Program

Project's Major Milestones

14-Jul-22 15:25

Activity ID	Activity Name	BL Project Start	Start	BL Project Finish	Finish	Timeline											
						2022	2023	2024	2025	2026	2027	2028	2029				
A1120	Environmental Clearance NEPA			27-Apr-21	27-Apr-21 A	[Chart showing progress for Environmental Clearance NEPA]											
A1210	95% design			01-Nov-21	01-Nov-21 A	[Chart showing progress for 95% design]											
A1220	100% Design			20-Nov-21	20-Nov-21 A	[Chart showing progress for 100% Design]											
A1270	Completion of Arbitration with UPRR			07-Apr-22	07-Apr-22 A	[Chart showing progress for Completion of Arbitration with UPRR]											
A1150	Environmental Clearance Complete			24-May-22	02-Aug-22*	[Chart showing progress for Environmental Clearance Complete]											
A1300	Main Contract Award			01-Sep-22	06-Oct-22*	[Chart showing progress for Main Contract Award]											
A1180	LNTP	03-Oct-22	15-Oct-22*			[Chart showing progress for LNTP]											
A1190	Gate 6 - Substantial Completion			01-Dec-24	14-Feb-25*	[Chart showing progress for Gate 6 - Substantial Completion]											
A2340	Gate 7 - Start-Up / Turnover Complete			31-Mar-25	31-Mar-25*	[Chart showing progress for Gate 7 - Start-Up / Turnover Complete]											
A1010	Gate 8 - Project Closeout Complete			30-Jun-25	30-Jun-25	[Chart showing progress for Gate 8 - Project Closeout Complete]											
<b>002146</b>	<b>South San Francisco Station Improvement</b>	<b>12-Jun-17</b>	<b>12-Jun-17 A</b>	<b>31-Mar-22</b>	<b>31-Oct-22</b>	[Chart showing progress for South San Francisco Station Improvement]											
<b>002146.A10</b>	<b>Project Milestone</b>	<b>12-Jun-17</b>	<b>12-Jun-17 A</b>	<b>31-Mar-22</b>	<b>31-Oct-22</b>	[Chart showing progress for 002146.A10 Project Milestone]											
M1140	Bid Opening	12-Jun-17	12-Jun-17 A			[Chart showing progress for Bid Opening]											
M1150	Award	03-Aug-17	03-Aug-17 A			[Chart showing progress for Award]											
M1130	LNTP	09-Oct-17	09-Oct-17 A			[Chart showing progress for LNTP]											
M1110	NTP	06-Mar-18	06-Mar-18 A			[Chart showing progress for NTP]											
A1130	Progress Presentation to the TA Board			07-Oct-21	07-Oct-21 A	[Chart showing progress for Progress Presentation to the TA Board]											
M1160	Substantial Completion			30-Nov-21	30-Nov-21 A	[Chart showing progress for Substantial Completion]											
M1180	Station Opening			10-Jan-22	13-Jan-22 A	[Chart showing progress for Station Opening]											
M1170	Gate 7 - Start-Up / Turnover Complete			28-Feb-22	31-Jul-22*	[Chart showing progress for Gate 7 - Start-Up / Turnover Complete]											
M1120	Gate 8 - Project Closeout Complete			31-Mar-22	31-Oct-22*	[Chart showing progress for Gate 8 - Project Closeout Complete]											
<b>100240</b>	<b>Ticket Vending Machine Rehab Program</b>	<b>01-Jan-18</b>	<b>01-Jan-18 A</b>	<b>30-Sep-23</b>	<b>30-Sep-23</b>	[Chart showing progress for Ticket Vending Machine Rehab Program]											
<b>100240.A10</b>	<b>Project Milestone</b>	<b>01-Jan-18</b>	<b>01-Jan-18 A</b>	<b>30-Sep-23</b>	<b>30-Sep-23</b>	[Chart showing progress for 100240.A10 Project Milestone]											
A1000	Project Start	01-Jan-18	01-Jan-18 A			[Chart showing progress for Project Start]											
A1200	Bid Openning			21-Sep-18	21-Sep-18 A	[Chart showing progress for Bid Openning]											
A1210	LNTP	06-Dec-18	06-Dec-18 A			[Chart showing progress for LNTP]											
A1230	Phase 1 NTP	01-Apr-19	01-Apr-19 A			[Chart showing progress for Phase 1 NTP]											
A1220	Contract Award			30-Apr-19	30-Apr-19 A	[Chart showing progress for Contract Award]											
A1240	Phase 2 NTP	25-Feb-20	25-Feb-20 A			[Chart showing progress for Phase 2 NTP]											
A1170	Phase 1 Complete			31-Oct-20	31-Oct-20 A	[Chart showing progress for Phase 1 Complete]											
A1150	Phase 2 Complete			18-Mar-21	18-Mar-21 A	[Chart showing progress for Phase 2 Complete]											
A1250	Phase 3 NTP	27-Aug-21	14-Sep-21 A			[Chart showing progress for Phase 3 NTP]											
A1190	Phase 4 NTP	01-Mar-22	01-Mar-22 A			[Chart showing progress for Phase 4 NTP]											
A1160	Phase 3 Complete			01-Mar-22	24-May-22 A	[Chart showing progress for Phase 3 Complete]											
A1280	Phase 4 Complete			31-Aug-22	31-Aug-22*	[Chart showing progress for Phase 4 Complete]											
A1290	Phase 5 NTP	01-Sep-22	01-Sep-22*			[Chart showing progress for Phase 5 NTP]											
A1300	Gate 6 - Substantial Completion (Phase 5)			31-Mar-23	31-Mar-23	[Chart showing progress for Gate 6 - Substantial Completion (Phase 5)]											
A1310	Gate 7 - Start-Up / Turnover Complete			30-Jun-23	30-Jun-23	[Chart showing progress for Gate 7 - Start-Up / Turnover Complete]											
A1010	Gate 8 - Project Closeout Complete			30-Sep-23	30-Sep-23*	[Chart showing progress for Gate 8 - Project Closeout Complete]											
<b>100244</b>	<b>Burlingame Broadway Grade Separation</b>	<b>18-Dec-17</b>	<b>18-Dec-17 A</b>	<b>01-Dec-28</b>	<b>01-Dec-28</b>	[Chart showing progress for Burlingame Broadway Grade Separation]											
<b>100244.A10</b>	<b>Project Milestones</b>	<b>18-Dec-17</b>	<b>18-Dec-17 A</b>	<b>01-Dec-28</b>	<b>01-Dec-28</b>	[Chart showing progress for 100244.A10 Project Milestones]											
A1000	Project Start	18-Dec-17	18-Dec-17 A			[Chart showing progress for Project Start]											
A1170	Preliminary Design 35%			28-Jun-19	28-Jun-19 A	[Chart showing progress for Preliminary Design 35%]											
A1190	DCE application to FTA for NEPA clearance			31-Jan-20	31-Jan-20 A	[Chart showing progress for DCE application to FTA for NEPA clearance]											

█ Remaining Level of Effort    
█ Actual Work    
█ Critical Remaining Work  
█ Actual Level of Effort    
█ Remaining Work    
◆ ◆ Baseline Milestone











**Caltrain Capital Program**  
Project's Major Milestones

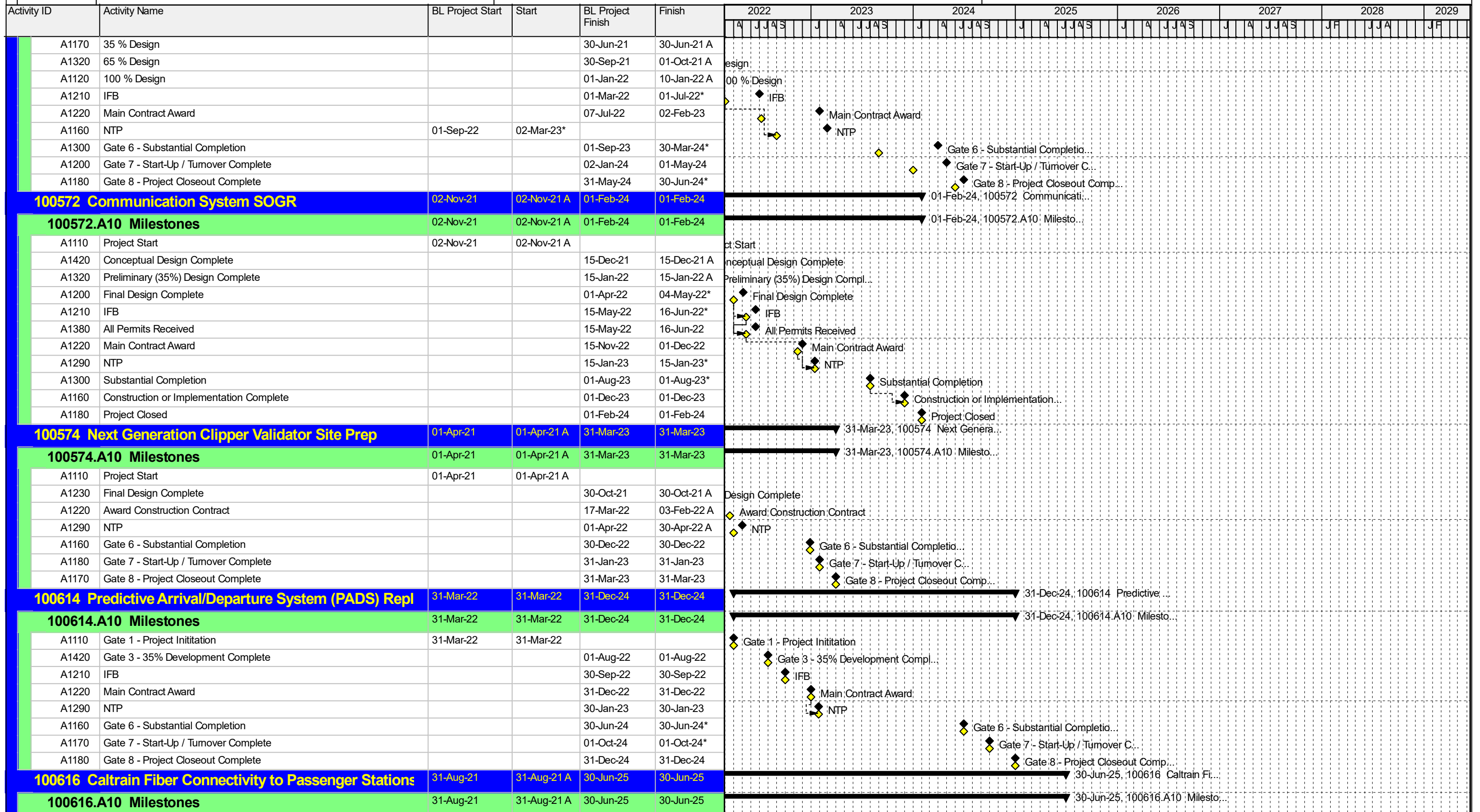
Activity ID	Activity Name	BL Project Start	Start	BL Project Finish	Finish	2022		2023				2024				2025				2026				2027				2028				2029														
						A	J	J	A	S	J	A	J	J	A	S	J	A	J	J	A	S	J	A	J	J	A	S	J	A	J	J	A	S	J	F	J	F	J	F	J	F	J	F	J	F
A1350	65% Design Complete				01-Feb-22	21-Jan-22 A	65% Design Complete:																																							
A1340	Gate 5 - 100% Development Complete / IFB				30-Jun-22	29-Jul-22	◆ Gate 5 - 100% Development Comp...																																							
A1210	IFB				22-Sep-22	22-Sep-22	◆ IFB																																							
A1250	ROW Permits Complete				07-Dec-22	07-Dec-22*	◆ ROW Permits Complete:																																							
A1220	Main Contract Award				05-Jan-23	05-Jan-23	◆ Main Contract Award																																							
A1290	NTP				06-Feb-23	06-Feb-23	◆ NTP																																							
A1170	Gate 6 - Substantial Completion				31-Dec-23	31-Dec-23*	◆ Gate 6 - Substantial Completio...																																							
A1160	Gate 7 - Start-Up / Turnover Complete				31-Mar-24	01-Feb-24	◆ Gate 7 - Start-Up / Turnover C...																																							
A1180	Gate 8 - Project Closeout Complete				30-Jun-24	01-May-24	◆ Gate 8 - Project Closeout Comp...																																							
<b>100563 FY21-22 Grade Crossing Improvements</b>		24-Feb-22	24-Feb-22 A	31-Mar-25	31-Mar-25	◆ 31-Mar-25, 100563 FY21-22 Gra...																																								
<b>100563.A10 Milestones</b>		24-Feb-22	24-Feb-22 A	31-Mar-25	31-Mar-25	◆ 31-Mar-25, 100563.A10 Milesto...																																								
A1110	Gate 1 - Project Initiation	24-Feb-22	24-Feb-22 A			◆ Gate 1 - Project Initiation																																								
A1320	Gate 3 - 35% Development Complete			31-May-22	01-Jul-22	◆ Gate 3 - 35% Development Compl...																																								
A1200	Gate 5 - 100% Development Complete / IFB			01-Mar-23	01-Mar-23	◆ Gate 5 - 100% Development Comp...																																								
A1220	Main Contract Award			30-Sep-23	30-Sep-23	◆ Main Contract Award																																								
A1290	NTP			01-Jan-24	01-Jan-24	◆ NTP																																								
A1160	Gate 6 - Substantial Completion			30-Sep-24	30-Sep-24*	◆ Gate 6 - Substantial Completio...																																								
A1300	Gate 7 - Start-Up / Turnover Complete			31-Dec-24	31-Dec-24	◆ Gate 7 - Start-Up / Turnover C...																																								
A1180	Gate 8 - Project Closeout Complete			31-Mar-25	31-Mar-25*	◆ Gate 8 - Project Closeout Comp...																																								
<b>100564 Enterprise Asset Management (EAM) Software S...</b>		31-Mar-23	31-Mar-23	31-Dec-25	31-Dec-25	◆ 31-Dec-25, 100564 Enterprise ...																																								
<b>100564.A10 Milestones</b>		31-Mar-23	31-Mar-23	31-Dec-25	31-Dec-25	◆ 31-Dec-25, 100564.A10 Milesto...																																								
A1110	Gate 1 - Project Initiation	31-Mar-23	31-Mar-23*			◆ Gate 1 - Project Initiation																																								
A1230	Planning Complete			30-Jun-23	30-Jun-23	◆ Planning Complete																																								
A1220	Main Contract Award			06-Jul-23	06-Jul-23	◆ Main Contract Award																																								
A1290	NTP			07-Aug-23	07-Aug-23	◆ NTP																																								
A1320	Concept Development Sample Complete			29-Sep-23	29-Sep-23	◆ Concept Development Sample Com...																																								
A1160	Gate 6 - Substantial Completion			30-Sep-25	30-Sep-25*	◆ Gate 6 - Substantial Completio...																																								
A1330	Gate 7 - Start-Up / Turnover Complete			30-Nov-25	30-Nov-25*	◆ Gate 7 - Start-Up / Turnover C...																																								
A1180	Gate 8 - Project Closeout Complete			31-Dec-25	31-Dec-25	◆ Gate 8 - Project Closeout Camp...																																								
<b>100565 Update and Upgrade GIS System</b>		10-Feb-22	10-Feb-22 A	10-Feb-24	10-Feb-24	◆ 10-Feb-24, 100565 Update and ...																																								
<b>100565.A10 Milestones</b>		10-Feb-22	10-Feb-22 A	10-Feb-24	10-Feb-24	◆ 10-Feb-24, 100565.A10 Milesto...																																								
A1110	Project Start	10-Feb-22	10-Feb-22 A			◆ Project Start																																								
A1230	Planning Complete			31-Jul-22	31-Jul-22*	◆ Planning Complete																																								
A1220	Main Contract Award			02-Feb-23	02-Feb-23*	◆ Main Contract Award																																								
A1290	NTP			12-Feb-23	12-Feb-23*	◆ NTP																																								
A1160	Gate 6 - Substantial Completion			13-Aug-23	13-Aug-23*	◆ Gate 6 - Substantial Completio...																																								
A1180	Gate 7 - Start-Up / Turnover Complete			11-Nov-23	11-Nov-23	◆ Gate 7 - Start-Up / Turnover C...																																								
A1170	Gate 8 - Project Closeout Complete			10-Feb-24	10-Feb-24*	◆ Gate 8 - Project Closeout Comp...																																								
<b>100566 San Mateo Grade Crossing Improvements</b>		26-Feb-21	26-Feb-21 A	31-May-24	30-Jun-24	◆ 30-Jun-24, 100566 San Mateo G...																																								
<b>100566.A10 Project Milestones</b>		26-Feb-21	26-Feb-21 A	31-May-24	30-Jun-24	◆ 30-Jun-24, 100566.A10 Project...																																								
A1110	Project Start	26-Feb-21	26-Feb-21 A			◆ Project Start																																								
A1290	Work Plan and SMRC Approval			26-Feb-21	26-Feb-21 A	◆ Approval																																								
A1310	Issue Design Work Directive			22-Mar-21	22-Mar-21 A	◆ Directive																																								

▬ Remaining Level of Effort   
 ▬ Actual Work   
 ▬ Critical Remaining Work  
▬ Actual Level of Effort   
 ▬ Remaining Work   
 ◆ ◆ Baseline Milestone



### Caltrain Capital Program

Project's Major Milestones



▬ Remaining Level of Effort    
 ▬ Actual Work    
 ▬ Critical Remaining Work  
▬ Actual Level of Effort    
 ▬ Remaining Work    
 ◆ Baseline Milestone



Caltrain Capital Program  
Project's Major Milestones

Activity ID	Activity Name	BL Project Start	Start	BL Project Finish	Finish	2022			2023			2024			2025			2026			2027			2028			2029								
						A	J	J	A	S	J	A	J	J	A	S	J	A	J	J	A	S	J	A	J	J	A	S	J	A	J	J	A	S	J
A1110	Gate 1 - Project Initiation	31-Aug-21	31-Aug-21 A			Project Initiation																													
A1340	Gate 5 - 100% Development Complete / IFB			30-Jun-22	01-Jul-22	◆ Gate 5 - 100% Development Comp...																													
A1120	Gate 4 - 65% Development Complete			26-May-22	01-Jul-22*	◆ Gate 4 - 65% Development Compl...																													
A1210	IFB			02-Sep-23	02-Sep-23	◆ IFB																													
A1220	Main Contract Award			31-Dec-23	31-Dec-23*	◆ Main Contract Award																													
A1290	NTP			31-Jan-24	31-Jan-24*	◆ NTP																													
A1160	Gate 6 - Substantial Completion			31-Dec-24	31-Dec-24	◆ Gate 6 - Substantial Completio...																													
A1170	Gate 7 - Start-Up / Turnover Complete			31-Mar-25	31-Mar-25*	◆ Gate 7 - Start-Up / Turnover C...																													
A1180	Gate 8 - Project Closeout Complete			30-Jun-25	30-Jun-25*	◆ Gate 8 - Project Closeout Comp...																													
<b>100617 Mountain View Transit Center and Grade Separat</b>		<b>02-Jan-20</b>	<b>01-Jan-20 A</b>	<b>01-Nov-27</b>	<b>01-Nov-27</b>	◆ 01-Nov-27, 100617 Mountain Vi...																													
<b>100617.A10 Project Milestone</b>		<b>02-Jan-20</b>	<b>01-Jan-20 A</b>	<b>01-Nov-27</b>	<b>01-Nov-27</b>	◆ 01-Nov-27, 100617.A10 Project...																													
A1000	Project Start	02-Jan-20	01-Jan-20 A																																
A1140	Award Design Contract			02-Jun-22	02-Jun-22 A	◆ Award Design Contract																													
A1060	NTP for Final Design	08-Jul-22	08-Jul-22			◆ NTP for Final Design																													
A1070	Gate 5 - 100% Development Complete/IFB			01-Jun-24	01-Jun-24*	◆ Gate 5 - 100% Development Comp...																													
A1120	Main Contract Award			01-Jul-24	01-Jul-24*	◆ Main Contract Award																													
A1080	NTP	01-Aug-24	01-Aug-24*			◆ NTP																													
A1300	ROW Permits Complete			01-Jan-25	01-Jan-25*	◆ ROW Permits Complete																													
A1100	Gate 6 - Substantial Completion			30-Apr-27	30-Apr-27	◆ Gate 6 - Substantial Completio...																													
A1010	Gate 8 - Project Closeout Complete			01-Nov-27	01-Nov-27*	◆ Gate 8 - Project Closeout Comp...																													
<b>100684 Mini High Platform</b>		<b>22-Feb-22</b>	<b>22-Feb-22</b>	<b>30-Sep-23</b>	<b>29-Sep-23</b>	◆ 29-Sep-23, 100684 Mini High P...																													
<b>100684.A10 Milestones</b>		<b>22-Feb-22</b>	<b>22-Feb-22</b>	<b>30-Sep-23</b>	<b>29-Sep-23</b>	◆ 29-Sep-23, 100684.A10 Milesto...																													
A1110	Gate 1 - Project Initiation	22-Feb-22	22-Feb-22*			◆ Gate 1 - Project Initiation																													
A1320	Gate 3 - 35% Development Complete			31-Mar-22	31-Mar-22	◆ Gate 3 - 35% Development Compl...																													
A1340	ROW Permits Complete			16-Jun-22	16-Jun-22	◆ ROW Permits Complete																													
A1350	Environmental Clearance Complete			16-Jun-22	16-Jun-22	◆ Environmental Clearance Comple...																													
A1200	Gate 5 - 100% Development Complete / IFB			17-Jun-22	17-Jun-22	◆ Gate 5 - 100% Development Comp...																													
A1210	IFB			09-Sep-22	09-Sep-22	◆ IFB																													
A1220	Main Contract Award			01-Dec-22	01-Dec-22	◆ Main Contract Award																													
A1290	NTP			21-Dec-22	21-Dec-22	◆ NTP																													
A1160	Gate 6 - Substantial Completion			01-Jun-23	01-Jun-23	◆ Gate 6 - Substantial Completio...																													
A1300	Gate 7 - Start-Up / Turnover Complete			02-Jul-23	02-Jul-23*	◆ Gate 7 - Start-Up / Turnover C...																													
A1180	Gate 8 - Project Closeout Complete			30-Sep-23	29-Sep-23	◆ Gate 8 - Project Closeout Comp...																													

■ Remaining Level of Effort   
 ■ Actual Work   
 ■ Critical Remaining Work  
■ Actual Level of Effort   
 ■ Remaining Work   
 ◆ ◆ Baseline Milestone