



Capital Program Quarterly Status Report and DBE Status Report



**2nd Quarter Fiscal Year 2023
(October to December 2022)**

Prepared for the March 02, 2023 Caltrain Board Meeting

Projects in Focus

Concerning (projects with red status lights)

1. 100410 - Whipple Avenue Grade Separation Study

- **Schedule:** The scope of work for the next phase of the project is to be determined but will likely include additional planning work. As a result the project will temporarily pause as Caltrain and City Staff discuss next steps.

2. 100439 - Bayshore Station Overpass Pedestrian Bridge Rehab

- **Schedule:** Delay is due to revisions to Scaffolding and Containment plan and approval of Site Specific Work Plan. Approval of the Scaffolding and Containment plan required numerous revisions to accommodate PCEP wire installation, and structural calculations required to verify the temporary structure per contract specifications. Approval of the Site Specific Work Plan required numerous coordination meetings with Rail Operations, and Customer access to path of travel, platform closures, and signage. Contractor is working to add multiple shifts to further mitigate the schedule delays.

3. 100427 - San Francisquito Creek Bridge Replacement

-**Schedule:** Proposed new scope is pending approval from the Management Committee. The project will be presented to Management Committee in March 2023.

-**Budget:** Proposed new scope is pending approval from the Management Committee. The project will be presented to Management Committee in March 2023.

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

- **Schedule:** The COVID-19 Pandemic caused delay in development and logistics. The schedule issue was escalated within Centum Adetel and Caltrain. The Centum Team provided a revised Schedule to complete installation, commissioning and training by 04/01/2023. Project Manager to request schedule re-baseline at February 2023 Management Committee meeting.

5. 100574 - Next Generation Clipper Validator Station Site Prep

-**Schedule:** The schedule has been extended due to delay in Substantial Completion. The project will be submitted to management committee for schedule re-baseline in February 2023.

6. 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 at March 2023 meeting.

-**Budget:** Project EAC is higher due to Construction and Construction Management cost estimate and requires additional funding. Project Manager to seek approval from Management Committee for increasing the budget and re-baseline at March 2023 meeting.

7. 100668 - Sunnyvale Grade Separation

- **Schedule:** The City of Sunnyvale is performing alternatives analysis for the Mary Avenue grade separation. The alternatives analysis and community outreach has taken longer than originally expected. The City will hand over the project to Caltrain once the conceptual (15% plans) study is complete. Caltrain will explore potential options to accelerate the project including alternative delivery methods.

8. 100685 - Verizon Sink Hole Repair San Jose

- **Schedule:** Project Schedule is extended due to delay in agreements between the parties. Request the Management Committee to re-baseline the schedule once the agreement with Verizon is finalized.

9. 100686 - Middle Avenue Undercrossing

- **Budget:** Additional alternatives analysis and price escalation are factors contributing to higher costs. Caltrain will work with the City to explore cost effective solutions.

Watching (projects with yellow status lights)

1. 002113 - Guadalupe River Bridges Replacement and Extension

- **Funding:** The JPB Board approved the funding plan for the project which relies on additional funding from the FY2024 and FY2025 SOGR Federal funding. Limited Notice to Proceed was issued to the contractor, Walsh Construction, on 11/21/2022.

2. 100278 - Mary Avenue Traffic Signal Preemption




- **Schedule:** The schedule has been delayed due to delay in project closeout. Gate 8 - Project Closeout Complete will be presented to Management Committee in February 2023.

3. 100676 - San Mateo Replacement Parking Track

- **Funding:** Additional funds to support construction required. Seek 50% match from MTC's Local Partnership Program funding to support spring 2023 construction.

Performance Summary

Table S1. Projects in each status light by performance category

Status Light	Safety	Schedule	Budget	Funding
 Green	100.0%	75.0%	91.7%	94.4%
 Yellow	0.0%	2.8%	0.0%	5.6%
 Red	0.0%	22.2%	8.3%	0.0%

(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	15	41.7%
Improved	9	25.0%
Got worse	7	19.4%
Stayed the same (except all green)	5	13.9%
Total Projects	36	

Table S3. Individual Projects

Project Number	Title	Safety		Schedule		Budget		Funding		Page
		Q1	Q2	Q1	Q2	Q1	Q2	Q1	Q2	
CONSTRUCTION/IMPLEMENTATION										
Grade Separations										
002088	25th Avenue Grade Separation	●	●	●	●	●	●	●	●	7
ROW Bridges										
002113	Guadalupe River Bridges Replacement and Extension	●	●	●	●	●	●	●	●	13
100439	Bayshore Station Overpass Pedestrian Bridge Rehab	●	●	●	●	●	●	●	●	19
ROW Grade Crossings										
100522	Watkins Ave Grade Crossing Safety Improvements	●	●	●	●	●	●	●	●	25
ROW Communications & Signals										
100278	Mary Avenue Traffic Signal Preemption	●	●	●	●	●	●	●	●	29
100403	Broadband Wireless Communications System	●	●	●	●	●	●	●	●	33
Fare Collection										
100240	Ticket Vending Machines (TVM) Rehab	●	●	●	●	●	●	●	●	37
100574	Clipper Next Generation Validators Site Preparations	●	●	●	●	●	●	●	●	42
Miscellaneous										
100233	MP-36 Locomotive Mid-Life Overhaul Project	●	●	●	●	●	●	●	●	47
100430	CCF BCCF Virtualization	●	●	●	●	●	●	●	●	51
100445	Automatic Passenger Counters at San Francisco 4th & King Station	●	●	●	●	●	●	●	●	54
DESIGN (includes Preliminary and Final Design, and Procurement)										
Grade Separations										
002152	South Linden & Scott Grade Separation	●	●	●	●	●	●	●	●	59
100244	Burlingame Broadway Grade Separation	●	●	●	●	●	●	●	●	62
100482	Rengstorff Grade Separation	●	●	●	●	●	●	●	●	66
100617	Mountain View Transit Center Grade Separation & Access Project	●	●	●	●	●	●	●	●	71
ROW Bridges										
100427	San Francisquito Creek Bridge Replacement	●	●	●	●	●	●	●	●	76
ROW Grade Crossings										
100426	Churchill Avenue Grade Crossing	●	●	●	●	●	●	●	●	81
100563	FY21-22 Grade Crossing Improvements	●	●	●	●	●	●	●	●	84
100566	San Mateo Grade Crossing Improvements	●	●	●	●	●	●	●	●	87
ROW Communications & Signals										
100432	Migration to Digital Voice Radio System	●	●	●	●	●	●	●	●	91
100449	Next Generation Visual Messaging Sign (VMS)	●	●	●	●	●	●	●	●	94
100572	Communication System SOGR	●	●	●	●	●	●	●	●	97
100614	Predictive Arrival/Departure System (PADS) Replacement	●	●	●	●	●	●	●	●	100
100616	Caltrain Fiber Connectivity to Passenger Stations and Digital Voice	●	●	●	●	●	●	●	●	103
Miscellaneous										
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
		Q1	Q2	Q1	Q2	Q1	Q2	Q1	Q2	
PLANNING (includes Initiation and Design to 15%)										
Grade Separations										
100410	Whipple Avenue Grade Separation Study	●	●	●	●	●	●	●	●	114
100667	Bernardo Avenue Undercrossing	●	●	●	●	●	●	●	●	117
100668	Sunnyvale Grade Separation	●	●	●	●	●	●	●	●	120
100686	Middle Avenue Undercrossing	●	●	●	●	●	●	●	●	123
Miscellaneous										
100564	Enterprise Asset Management (EAM) Software System	●	●	●	●	●	●	●	●	127
100565	Update and Upgrade GIS System	●	●	●	●	●	●	●	●	130
100673	CCTV Study-Assessment		●	●	●	●	●	●	●	134
100685	Verizon Sink Hole Repair San Jose	●	●	●	●	●	●	●	●	137
100687	Downtown Rail Extension (DTX)	●	●	●	●	●	●	●	●	140
CLOSEOUT (includes Start-up/Turnover and Closeout)										
Stations										
002146	South San Francisco Station Improvement	●	●	●	●	●	●	●	●	144

CONSTRUCTION / IMPLEMENTATION
Grade Separations









25th Avenue Grade Separation

Project No.

002088

Table 1. Status Summary and Total Project Performance

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

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

Progress (%)	Change Prev. Qtr.	EAC/Budget
99.08%	0.33%	100%

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 between El Camino Real and Delaware Street at 28th and 31st Avenues in San Mateo, California.

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	08/12/22	08/12/22	0	0
Gate 7 - Startup/Turnover	01/31/23	01/31/23	0	0
Gate 8 - Project Closeout	05/31/23	05/31/23	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	4,593	6,618	6,618	0	0.0%
Environmental	1200	385	324	709	709	0	0.0%
Real Estate	2100		8,970	8,970	8,970	0	0.0%
Utilities Relocations	2200		24,377	24,377	24,377	0	0.0%
Construction ODCs	2300		18	18	18	0	0.0%
Const./Impl. Contracts	3100		117,140	117,140	117,140	0	0.0%
Construction Management	4100		13,399	13,399	13,399	0	0.0%
Design Support During Const.	4200		5,766	5,766	5,766	0	0.0%
Testing & Commissioning	4300		109	109	109	0	0.0%
Agency/ODCs	5000	991	1,761	2,752	2,752	0	0.0%
Project Management	5100	585	6,683	7,268	7,268	0	0.0%
Project & Document Control	5200	80	1,923	2,003	2,003	0	0.0%
Finance/Accounting	5300		24	24	24	0	0.0%
Contracts & Procurement	5400		105	105	105	0	0.0%
Legal	5500	18	753	771	771	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		1,271	1,271	1,271	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%
Undefined and others	0000		1,963	1,963	1,963	0	0.0%
Subtotals	NA	4,128	197,347	201,475	201,475	0	0.0%
Unknown Risks	NA	NA	NA	NA	380		
Unallocated Contingency	9900	372	8	380	NA	0	0.0%
Grand Totals	NA	4,500	197,355	201,855	201,855	0	0.0%
(*) 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
Totals		4,700	197,155	201,855	201,855	0

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
Purchase a generator.	PCJPB	City of San Mateo will purchase the generator and bill the project.	\$ 100	High
	The City of San Mateo still wants to purchase a generator as a backup for the storm water pump on 31st Ave and invoice the project - Resolved.		0	

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

Issue Title	Responsibility Status	Action	Resolution Date
AT&T Settlement.	JPB Proposed settlement has been sent to AT&T.	Legal to follow up with AT&T	5/31/2023
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.	5/31/2023

KEY ACTIVITIES - Current Reporting Quarter

Continued working on closing out the construction contract. Recorded the project completion with the County.

NEXT KEY ACTIVITIES

Issue contract completion. Finish the billing to the project funding partners.

PROJECT NOTES

Project was re-baselined following the Management Committee approval on January 26, 2023 of an updated Work Plan.

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
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 	G 	G 	Y 

Progress (%)	Change Prev. Qtr.	EAC/Budget
17.6%	2.35%	100%

The JPB Board approved the funding plan for the project which relies on additional funding from the FY2024 and FY2025 SOGR Federal funding. Limited Notice to Proceed was issued to the contractor, Walsh Construction, on 11/21/2022.

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 scour during the high flow events.

Project Manager: Mike Boomsma
 Principal Designer: HDR Engineering, Inc.
 Const. Contractor: Walsh Construction

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	06/15/22	06/15/22	0	0
All Permits Received	11/30/22	01/27/23	-58	-58
Completion of IFB & Board Award	10/06/22	10/06/22	0	0
Executing Contract & LNTP	11/14/22	11/21/22	-7	-7
PCEP Completes Removal of MT2 OCS	01/02/23	02/01/23	-30	0
Return of MT2 to PCEP for OCS Reinstallation	08/30/23	09/30/23	-31	0
Gate 6 – Substantial Completion	01/10/25	01/17/25	-7	-7
Gate 7 – Start-up/Turnover	02/09/25	02/16/25	-7	-7
Gate 8 – Closeout	05/09/25	05/16/25	-7	-7

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	3,211	5,011	5,011	0	0.0%
Environmental	1200		1,915	1,915	1,915	0	0.0%
Real Estate	2100		106	106	106	0	0.0%
Utilities Relocations	2200		1	1	1	0	0.0%
Construction ODCs	2300			0		0	
Const./Impl. Contracts	3100		30,955	30,955	30,955	0	0.0%
Construction Management	4100		5,084	5,084	5,084	0	0.0%
Design Support During Const.	4200		1,269	1,269	1,269	0	0.0%
Testing & Commissioning	4300		0	0	0	0	
Agency/ODCs	5000		1,131	1,131	1,131	0	0.0%
Project Management	5100	500	3,265	3,765	3,765	0	0.0%
Project & Document Control	5200		748	748	748	0	0.0%
Finance/Accounting	5300		46	46	46	0	0.0%
Contracts & Procurement	5400		28	28	28	0	0.0%
Legal	5500		1,771	1,771	1,771	0	0.0%
Information Technology	5600		0	0	0	0	
Communications/P. Relations	5700		49	49	49	0	0.0%
Human Resources	5800		0	0	0	0	
Safety/Security & Risk Mgmt.	5900		270	270	270	0	0.0%
Equip./Material Purchases	6100		104	104	104	0	0.0%
CBOSS / PTC TOW	7000		52	52	52	0	0.0%
CalMod Program	7100		1,352	1,352	1,352	0	0.0%
Stations, Stops, Terminals, In	7300		0	0	0	0	
ROW, Land, Existing Improvement	7600		1,275	1,275	1,275	0	0.0%
Professional Services	7800		0	0	0	0	
Oper. Support	8100		2,211	2,211	2,211	0	0.0%
Subtotals	NA	2,300	54,843	57,143	57,143	0	0.0%
Unknown Risks	NA	NA	NA	NA	6,555	0	0.0%
Unallocated Contingency	9900		6,555	6,555	NA		
Grand Totals	NA	2,300	61,399	63,699	63,699	0	0.0%

(*) 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	7,945	17,825	11,471	6,354
VTA STA SOGR Cap	State	193	398	590	590	0
Funds from 3 member agencies	Local		1,964	1,964	1,964	0
Local Partnership Fund	Other		4,606	4,606		4,606
Totals		12,400	14,913	27,313	16,353	10,960

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 Relocation	JPB Legal / Sr. Management	Continue current approach of actively initiating and following up to promote timely coordination between UPRR and private utility owners and ensure timely agreement to scope and schedule of utility relocations.	\$ 5,000	High
	Utilities are tenants of UPRR. Per JPB request, UPRR has engaged utilities to review design and prepare for physical relocation. Director of Real Estate & Development continues to follow up with UPRR's representative for third party utilities.		TBD	
PCEP OCS Removal and Replacement	Capital Program Delivery and PCEP Management Teams	Execute change order and issue Notice to Proceed to PCEP contractor to enable removal of OCS by 2/1/2022.	\$ 5,000	Med
	Change order for PCEP contractor to remove OCS was approved at December 2022 JPB Board meeting.		TBD	
Valley Water Approvals	Deputy Director of Program Management and Environmental Compliance	JPB is supporting Valley Water with the production of materials that will be included in the Encroachment Permit. Valley Water and JPB are cooperating to enable mobilization prior to the issuance of the Encroachment Permit.	\$ 2,000	Med
	Valley Water issued their Statement of No Objection to the US Army Corps of Engineers (USACE) on 12/28/22. Valley Water intends to postpone release of their Encroachment Permit until USACE issues the 408 and 404 permits.		TBD	

Guadalupe River Bridges Replacement and Extension

Project No. **002113**

UPRR Dispute of Settlement and/or Design Changes	JPB Legal / Sr. Management	Expedite execution of pending agreements. Continue frequent dialog with UPRR design reviewers to promote timely resolution of design review.	\$ 2,000	Med
	JPB Board approved a negotiated settlement between UPRR and JPB on 9/1/2022. In regard to pending agreements, JPB provided proposed edits to the draft Settlement Agreement and Construction & Maintenance Agreement on 12/21/22. In regard to the ongoing design review, JPB resubmitted plans to UPRR on 12/27/22.		TBD	

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

Issue Title	Responsibility Status	Action	Resolution Date
None			

KEY ACTIVITIES - Current Reporting Quarter

The Guadalupe River Bridge Replacement Project was awarded on 10/6/2022 to Walsh Construction Company II, LLC, for \$29,764,499. The associated contract was executed on 10/28/2022 with an Effective Date of 11/1/2022. JPB's Construction Management consultant mobilized to JPB's field office at 699 Park Avenue in San Jose on 11/14/2022. Limited Notice to Proceed was issued on 11/21/2022, authorizing pre-construction activities. The JPB Board approved the funding plan for the project which relies on additional funding from the FY2024 and FY2025 SOGR Federal funding. A Pre-Construction Meeting was held between JPB and Walsh Construction on 12/8/2022 to initiate focused coordination with various stakeholder disciplines such as safety, environmental, engineering, and public outreach. JPB submitted final plans to UPRR for a confirmation review on 12/27/22. Valley Water issued a Statement of No Objection for the project to USACE on 12/28/22.

NEXT KEY ACTIVITIES

In January 2023, JPB anticipates the removal of the OCS by the PCEP contractor, the issuance of 408 and 404 permits by the USACE, the execution of a right-of-entry with the City of San Jose, and the issuance of an Encroachment Permit by Valley Water.

PROJECT NOTES

None.

Guadalupe River Bridges Replacement and Extension

Project No. **002113**

PROJECT PHOTOS











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

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 	R 	G 	G 
Previous	G 	G 	G 	G 

Progress (%)	Change Prev. Qtr.	EAC/Budget
78.90%	23.30%	100%

Schedule is delayed due to revisions to Scaffolding and Containment plan and approval of Site Specific Work Plan. Approval of the Scaffolding and Containment plan required numerous revisions to accommodate PCEP wire installation, and structural calculations required to verify the temporary structure per contract specifications. Approval of the Site Specific Work Plan required numerous coordination meetings with Rail Operations, and Customer access to path of travel, platform closures, and signage. Contractor is working to add multiple shifts to further mitigate the schedule delays.

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: TranSystems

Const. Contractor: Top Line Engineers

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	03/31/23	-121	-91
Gate 7 – Start-up/Turnover	12/31/22	04/30/23	-120	-89
Gate 8 – Closeout	03/31/23	06/30/23	-91	-91

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%
Subtotals	NA	4,880	0	4,880	4,880	0	0.0%
Unknown Risks	NA	NA	NA	NA	1,990	0	0.0%
Unallocated Contingency	9900	1,990		1,990	NA		
Grand Totals	NA	6,870	0	6,870	6,870	0	0.0%

(*) 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	3,435	0
Totals		6,870	0	6,870	6,743	127

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
Schedule delay due to revisions to Scaffolding and Containment plan and approval of Site Specific Work Plan	Project Manager ----- Project team to coordinate with Rail Operations, and Customer access	Approval of the Scaffolding and Containment plan required numerous revisions to accommodate PCEP wire installation, and structural calculations required to verify the temporary structure per contract specifications. Approval of the Site Specific Work Plan required numerous coordination meetings with Rail Operations, and Customer access to path of travel, platform closures, and signage. Contractor is working to add multiple shifts to further mitigate the schedule delays.	02/28/23
Wind Monitoring Devices	Project Manager/Real Estate ----- Project team to coordinate with Real Estate Team	Construction Management Team to coordinate with Engineering team to approve a proposed wind monitoring device that would monitor the wind pressure. This would allow the Contractor to monitor the air pressure and be alerted in time to visit the job site and repair the containment system before further damages occur and affect mainline operations.	02/28/23

Bayshore Station Overpass Pedestrian Bridge Rehab

Project No. **100439**

Extend Permit Easement	Project Manager/Construction Management/Engineering	Project team to coordinate with Real Estate team to extend the permit easement for the project so the Contractor can continue to use the area for painting operations. Current agreement has clause for 3 month extension, and will require an amendment if it goes beyond the 3 month extension.	02/28/23
	Project Construction Management team to coordinate with Engineering Team		
Extend Construction Management Services	Project Manager/Construction Management	Construction Management Team to coordinate with Contracts for amendment to MNS for extension of resources to support the painting operations.	02/28/23
	Project to coordinate with Contracts to issue amendment.		
Extend Substantial Completion and Final Completion Dates	Project Manager/Construction Management	Construction Management Team to coordinate with Contractor for recovery schedule to further mitigate delays to the schedule.	02/28/23
	Project to coordinate with Contractor for recovery schedule		
Stairwell Closure	Project Manager/Construction Management	Construction Management Team to coordinate with Contractor and Operations to identify best path for painting operations at the stairwells. May need oversight from Elevator Team to ensure elevators are operational during painting operations at the stairs.	01/31/23
	Project to coordinate with Operations and Maintenance to identify what is feasible.		
Non-Conformance Containment System	Project Manager/Construction Management	Construction Management Team to coordinate with Contractor for corrective action plan to ensure painting operation environment meets manufacturers' recommendation to apply the painting system correctly.	01/31/23
	Project to coordinate with Contractor for corrective action plan.		

KEY ACTIVITIES - Current Reporting Quarter

Worked with Project Controls staff to complete the FY25/25 Work Plan Updates. Conducted a public hearing for a proposed subcontractor substitution; however the JPB District ruled against the requested subcontractor substitution. Continued to work with the Construction Management team to prepare and conduct weekly meetings with the Contractor Top Line Engineers. Continued to work with the Engineering to identify corrective action plan for material section loss and implement repair prior to painting operations via change order. Continued to work with the Rail Operations and Government, Rail Customer Experience and Community Affairs team to identify platform and stairwell closures and path of travel during painting operations. Continued to work with the Contractor in submitting a time impact analysis of the delays of the project in order to determine the extent of delays caused by the Owner or Contractor. Continued to work with PCEP team to identify OCS schedule to better align with the Bayshore Painting operations.

Bayshore Station Overpass Pedestrian Bridge Rehab

Project No. **100439**

NEXT KEY ACTIVITIES

Continue to work with the Construction Management team to prepare and conduct weekly meetings with the Contractor Top Line Engineers. Continue to work with the Engineering to identify corrective action plan for material section loss and implement repair prior to painting operations via change order. Continue to work with the Rail Operations and Government, Rail Customer Experience and Community Affairs team to identify platform and stairwell closures and path of travel during painting operations. Continue to work with the Contractor in submitting a time impact analysis of the delays of the project in order to determine the extent of delays caused by the Owner or Contractor. Continue to work with PCEP team to identify OCS schedule to better align with the Bayshore Painting operations.

PROJECT NOTES

None.

PROJECT PHOTOS



Photo 1 - Pedestrian Bridge Tunnel Containment

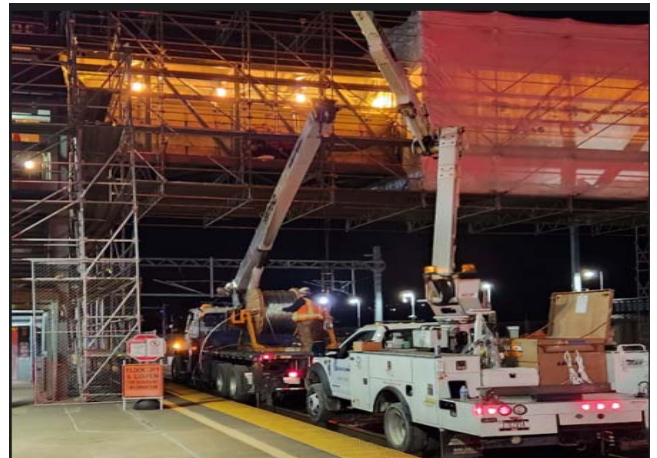


Photo 2 - PCEP Coordination



Photo 3 - South Side View of Scaffolding Containment System



Photo 4 - North Side View Scaffolding Containment System

**CONSTRUCTION / IMPLEMENTATION
ROW Grade Crossings**

Watkins Ave Grade Crossing Safety Improvements

Project No. **100522**

Table 1. Status Summary and Total Project Performance Project Phase: **6 - Procurement/Construction/Implementation**

Quarter	Safety	Schedule	Budget	Funding	Progress (%)	Change Prev. Qtr.	EAC/Budget
Current	G	G	G	G	21.43%	1.27%	100%
Previous	G	G	G	G			

SCOPE Summary

The scope intended for this Project would include safety improvements at Watkins Ave include the following:

1. Installation of quad or exit gates
2. Installation of new pedestrian gates
3. Pavement markers and markings
4. Sidewalk improvements including guard railing and fencing
5. Installation of new sidewalk lighting
6. Contribute to the Atherton station site improvements done by the Town of Atherton

Project Manager: Robert Tam
 Principal Designer: HNTB
 Const. Contractor: Granite Rock

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% Development/IFB Complete	07/31/22	07/31/22	0	0
IFB	09/30/22	09/30/22	0	0
All Permits Received	12/07/22	12/07/22	0	0
Award Construction Contract	01/05/23	12/01/22	35	35
NTP	02/06/23	02/06/23	0	0
Gate 6 - Substantial Completion	12/01/23	12/01/23	0	0
Gate 7 - Start-Up / Turnover Complete	01/31/24	01/31/24	0	0
Gate 8 - Project Closeout Complete	03/01/24	03/01/24	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	416	416	416	0	0.0%
Const./Impl. Contracts	3100	2,000	-1,100	900	900	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	80	80	80	0	0
Project Management	5100	250	0	250	250	0	0
Project & Document Control	5200	50	70	120	120	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	10	10	10	0	0
Human Resources	5800	0	0	0	0	0	0
Safety/Security & Risk Mgmt.	5900	0	25	25	25	0	0
Equip./Material Purchases	6100	25	-25	0	0	0	0
CalMod Program	7100	0	0	0	0	0	0
Oper. Support	8100	100	400	500	500	0	0
Subtotals	NA	3,615	-165	3,450	3,450	0	0
Unknown Risks	NA	NA	NA	NA	711	0	0
Unallocated Contingency	9900	560	151	711	NA	0	0
Grand Totals	NA	4,175	-14	4,161	4,161	0	0

(*) ICAP already included in totals above	147	0	147	0	147	100.0%
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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)
SMCTA	Local	4,125		4,125	4,125	0
CCF Rail	Other	50	-14	36	36	0
Totals		4,175	-14	4,161	4,161	0

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

Performed reference checks on the low bidder and all responses were positive. Executed the TASI work directive to support this project. The JPB Board awarded the construction contract to Granite Rock. Received Granite Rock's insurance and bonds.

NEXT KEY ACTIVITIES

Issue Limited Notice to Proceed to Granite Rock.

PROJECT NOTES

None.

PROJECT PHOTOS

To be updated.

**CONSTRUCTION / IMPLEMENTATION
ROW Communications & Signals**

Mary Avenue Traffic Signal Preemption

Project No. 100278

Table 1. Status Summary and Total Project Performance

Project Phase: 7 - Start-up/Turnover

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

Progress (%)	Change Prev. Qtr.	EAC/Budget
97.00%	0.91%	100%

The schedule has been delayed due to delay in project closeout. Gate 8 - Project Closeout Complete will be presented to Management Committee in February 2023.

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	10/27/22	3	0
Gate 8 - Project Closeout	12/31/22	02/23/23	-54	-54

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	192	-247	-55	-55	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	576	-576	0	0	0	
Construction Management	4100	216	-216	0	0	0	
Design Support During Const.	4200	24	132	156	156	0	0.0%
Testing & Commissioning	4300			0	0	0	
Agency/ODCs	5000		75	75	75	0	0.0%
Project Management	5100	768	-483	285	285	0	0.0%
Project & Document Control	5200	192	58	250	250	0	0.0%
Finance/Accounting	5300	48	-38	10	10	0	0.0%
Contracts & Procurement	5400	120	-115	5	5	0	0.0%
Legal	5500	48	-48	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		120	120	120	0	0.0%
Oper. Support	8100	672	-172	500	500	0	0.0%
Subtotals	NA	2,856	-1,510	1,346	1,346	0	0.0%
Unknown Risks	NA	NA	NA	NA	0		
Unallocated Contingency	9900	0	0	0	NA		
Grand Totals	NA	2,856	-1,510	1,346	1,346	0	0.0%

(*) ICAP already included in totals above	247	0	247	247	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)
Caltrans Sec 130 Agmt #75LX315	State	3,125		3,125	3,125	0
Totals		3,125	0	3,125	3,125	0

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
None.	-----		\$ -	

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

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

KEY ACTIVITIES - Current Reporting Quarter

Received approval from Management Committee to turnover the advance signal preemption system to Rail Operations. Continued to close out the project by closing out work directives and purchase orders.

NEXT KEY ACTIVITIES

Present the project at the Management Committee for the Gate 8 - Project Closeout Complete.

PROJECT NOTES

None.

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

Broadband Wireless Communications System

Project No. **100403**

Table 1. Status Summary and Total Project Performance Project Phase: **6 Procurement/Construction/Implementation**

Quarter	Safety	Schedule	Budget	Funding	Progress (%)	Change Prev. Qtr.	EAC/Budget
Current	G	G	G	G	2.85%	-0.33%	100%
Previous	G	R	R	G			

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: Nomad Digital

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	10/08/21	10/08/21	0	0
Live Demonstration	05/20/22	05/20/22	0	0
Project Update to the Board	08/04/22	08/04/22	0	0
Award Construction Contract	12/01/22	12/01/22	0	0
NTP	01/03/23	01/03/23	0	0
Gate 6 - Substantial Completion	06/30/24	06/30/24	0	0
Gate 7 - Start Up/Turnover	09/30/24	09/30/24	0	0
Gate 8 - Project Closeout	12/31/24	12/31/24	0	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	-410	150	150	0	0.0%
Environmental	1200	20	-20	0	0	0	
Real Estate	2100	10	-10	0	0	0	
Utilities Relocations	2200	0	0	0	0	0	
Construction ODCs	2300	0	0	0	0	0	
Const./Impl. Contracts	3100	10,000	11,779	21,779	21,779	0	0.0%
Construction Management	4100	700	1,276	1,976	1,976	0	0.0%
Design Support During Const.	4200	100	-100	0	0	0	
Testing & Commissioning	4300		0	0	0	0	
Agency/ODCs	5000		133	133	133	0	0.0%
Project Management	5100	700	-80	620	620	0	0.0%
Project & Document Control	5200	200	-1	199	199	0	0.0%
Finance/Accounting	5300	20	14	34	34	0	0.0%
Contracts & Procurement	5400	15	0	15	15	0	0.0%
Legal	5500	15	71	86	86	0	0.0%
Information Technology	5600		217	217	217	0	0.0%
Communications/P. Relations	5700		31	31	31	0	0.0%
Human Resources	5800		0	0	0	0	
Safety/Security & Risk Mgmt.	5900		62	62	62	0	0.0%
Equip./Material Purchases	6100		0	0	0	0	
CalMod Program	7100		0	0	0	0	
Oper. Support	8100	500	434	934	934	0	0.0%
Undefined Type of Work	0000	0	15	15	15	0	0.0%
Subtotals	NA	12,840	13,411	26,251	26,251	0	0.0%
Unknown Risks	NA	NA	NA	NA	2,569	0	0.0%
Unallocated Contingency	9900	1,160	1,409	2,569	NA		
Grand Totals	NA	14,000	14,820	28,820	28,820	0	0.0%

(*) ICAP already included in totals above	538	570	1,108	1,108	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	14,000	0
General Capital Fund	Other	5,194		5,194	5,194	0
State Rail Assistance	State		9,627	9,627	0	9,627
Totals		19,194	9,627	28,820	19,194	9,627

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
Budget Increase	Robert Tam ----- Received approval at the Management Committee meeting held in November. Seek approval from board in December. Resolved.	None.	12/31/2022
Delays in negotiating a BAFO.	Robert Tam ----- Received the BAFO on 10/28/22. Resolved.	Negotiate and agree on all the assumptions and exceptions in their proposals.	10/31/2022

KEY ACTIVITIES - Current Reporting Quarter

The JPB Board awarded the contract to Nomad Digital. The contract agreements for both the Capital Implementation and the Operating & Maintenance Agreements have been signed by both parties. Contracts & Procurement is working with Nomad Digital to obtain the required insurance and bonds to issue the Notice to Proceed.

NEXT KEY ACTIVITIES

Issue the Notice to Proceed to Nomad Digital and conduct the Kick Off meeting.

PROJECT NOTES

The project costs are higher due to the Construction, Addition of Trenching Allowance, Construction Management and TASI costs. The team developed an updated budget and schedule for the project and received approval from the Management Committee to re-baseline the budget and schedule in November 2022.

PROJECT PHOTOS

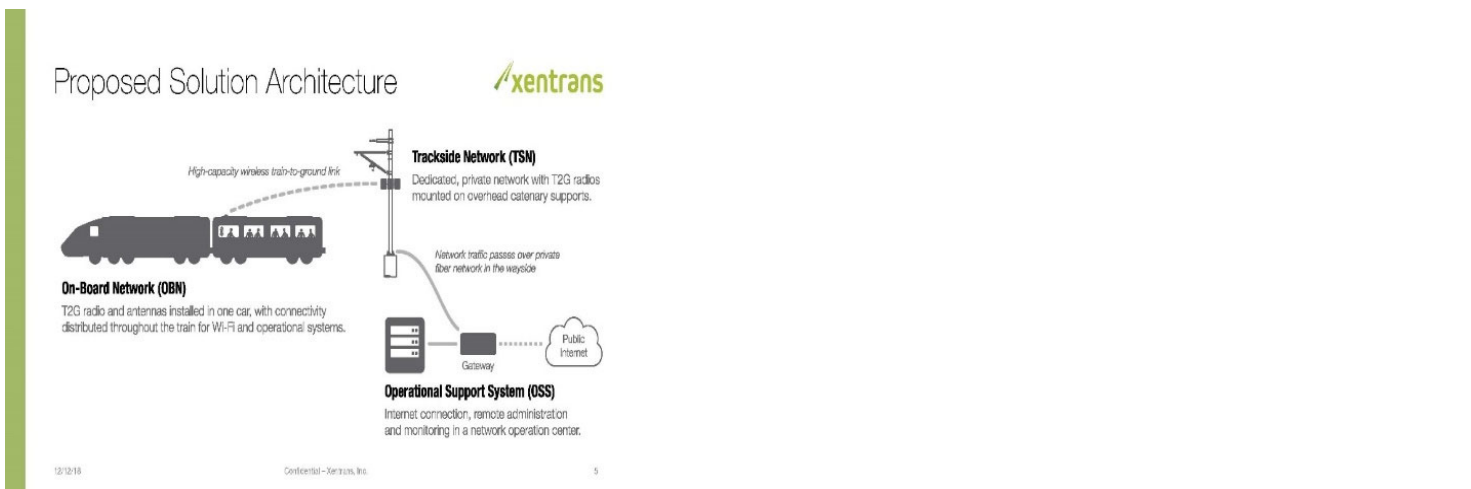


Photo 1 - Broadband Wireless Communications System Conceptual Design

CONSTRUCTION / IMPLEMENTATION
Fare Collection

Ticket Vending Machines (TVM) Rehab

Project No. **100240**

Table 1. Status Summary and Total Project Performance

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

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

Progress (%)	Change Prev. Qtr.	EAC/Budget
72.59%	2.94%	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	09/14/21	09/14/21	0	0
Phase 3 Complete	05/24/22	05/24/22	0	0
Phase 4 NTP	03/01/22	03/01/22	0	0
Phase 4 Complete	03/31/23	03/31/23	0	0
Phase 5 NTP	10/01/22	10/01/22	0	0
Phase 5 Complete	03/31/23	03/31/23	0	0
Gate 6 - Substantial Completion	06/30/23	06/30/23	0	0
Gate 7 - Start-Up/Turnover Complete	09/30/23	09/30/23	0	0
Gate 8 - Project Closeout	12/30/23	12/30/23	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		-40	-40	-40	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	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		39	39	39	0	0.0%
Project Management	5100	270	-5	265	265	0	0.0%
Project & Document Control	5200	160	0	160	160	0	0.0%
Finance/Accounting	5300	20	0	20	20	0	0.0%
Contracts & Procurement	5400	47	7	54	54	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	0	40	40	0	0.0%
Subtotals	NA	3,836	0	3,836	3,836	0	0.0%
Unknown Risks	NA	NA	NA	NA	56		
Unallocated Contingency	9900	56	0	56	NA	0	0.0%
Grand Totals	NA	3,892	0	3,892	3,892	0	0.0%
(*) 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
FY2022 Fed Fund	Federal	832	0	832	832	0
Measure RR Capital	Other	208	0	208	208	0
Totals		3,835	57	3,892	3,892	0

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
Materials and equipment delivery delays.	Ventek The vendor is waiting on certain parts and material for the Phase 4 upgrades. New installation date is end of January 2023.	Ventek to test the necessary parts for the upgrade.	1/31/2023

KEY ACTIVITIES - Current Reporting Quarter

Phase 4: Received all the necessary parts and materials for Phase 4 to upgrade 27 TVMs in December 2022 and will begin to test the new parts in January 2023.

NEXT KEY ACTIVITIES

Phase 4 & 5 will be combined the Phase 4 & 5 installations together starting in March.

PROJECT NOTES

Project was re-baselined following the Management Committee approval on January 26, 2023 of an updated Work Plan.

PROJECT PHOTOS



Photo 1 - Palo Alto TVM 106



Photo 2 - Prototype TVM Door Graphics



Photo 3 - RWC TVM 65



Photo 4 - San Jose

Next Generation Clipper Validator Station Site Prep

Project No. **100574**

Table 1. Status Summary and Total Project Performance

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

Quarter	Safety	Schedule	Budget	Funding	Progress (%)	Change Prev. Qtr.	EAC/Budget
Current	G	R	G	G	72.2%	6.77%	100%
Previous	G	G	G	G			

To support PCEP, the schedule has been extended to add removal of old CID units by contractor instead of TASI resulting in a delay in Substantial Completion. The project will be submitted to management committee for schedule re-baseline in February 2023.

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	02/28/23	-60	-60
Gate 7 – Start-up/Turnover	01/31/23	05/01/23	-90	-90
Gate 8 - Closeout/Lessons	03/31/23	08/31/23	-153	-153

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	400		400	400	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	25	-25	
Project Management	5100	500		500	475	25	5.0%
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	200		200	200	0	0.0%
Subtotals	NA	3,170	0	3,170	3,170	0	0.0%
Unknown Risks	NA	NA	NA	NA	971	0	0.0%
Unallocated Contingency	9900	971		971	NA		
Grand Totals	NA	4,141	0	4,141	4,141	0	0.0%

(*) 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 (D)	Unactivated Amount (E=C-D)
		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	2,140		2,140	2,140	0
FY21 VTA STA SOGR Capital	State	500		500	500	0
Measure RR	Local	160		160	160	0
FTA	Federal	760		760	760	0
Totals		4,141	0	4,141	4,141	0

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
None.	-----		

KEY ACTIVITIES - Current Reporting Quarter

Contractor completed all the stations for the new Clipper validator by providing electrical power at the new validator locations on the platforms. MTC/Cubic installed all the new Clipper validators at the stations. Contractor completed all the punchlist items. A change order was created to remove all the old Clipper CIDs at the stations.

NEXT KEY ACTIVITIES

Remove all the existing old CIDs at the stations and issue Substantial Completion.

PROJECT NOTES

None.

Next Generation Clipper Validator Station Site Prep

Project No. 100574

PROJECT PHOTOS



Photo 1 - Old Clipper CID removed via Change Order



Photo 2 - Clipper Validator @ Palo Alto



Photo 3 - Palo Alto Prototype Inside

CONSTRUCTION / IMPLEMENTATION
Miscellaneous

MP-36 Locomotive Mid-Life Overhaul

Project No. **100233**

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	R	R

Progress (%)	Change Prev. Qtr.	EAC/Budget
48.00%	16.00%	100%

SCOPE Summary

This project involves performing mid-life overhaul of six MP-36-3C Locomotives. The mid-life overhaul includes complete disassembly of the main diesel engine, overhauling by reconditioning re-usable main frame components and re-assembly with new engine components and replacement of Separate Head-End Power (SEP-HEP) unit and all electrical components of the SEP-HEP compartment. All areas of the locomotive car body, trucks, wheels and electrical components shall be reconditioned to like-new condition or replaced with new material. The project work is occurring off-site at the contractor’s facility location. The 6 locomotives to be overhauled are Locomotive #'s 923, 924, 925, 926, 927 & 928. In order to maintain daily service, only 1 to 2 of these locomotives are released at a time for overhaul work that is expected to take approximately 8 months per locomotive.

Project Manager: Troy Alvarez
 Principal Designer: TBD
 Const. Contractor: Alstom

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 Initiation	04/01/17	04/01/17	0	0
Main Contract Award Board Approval	04/30/20	04/30/20	0	0
NTP	06/16/20	06/16/20	0	0
Gate 6 - Substantial Completion	02/21/24	02/21/24	0	0
Gate 7 - Start-Up / Turnover Complete	05/31/24	05/31/24	0	0
Gate 8 - Project Closeout Complete	08/30/24	08/30/24	0	0

MP-36 Locomotive Mid-Life Overhaul

Project No. 100233

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	13,942	299	14,241	14,241	0	0.0%
Construction Management	4100			0		0	
Design Support During Const.	4200			0		0	
Testing & Commissioning	4300			0		0	
Agency/ODCs	5000			0		0	
Project Management	5100		19	19	19	0	0.0%
Project & Document Control	5200		10	10	10	0	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	
ICAP Paid to date	7100		63	63	63	0	0.0%
Oper. Support	8100			0		0	
Subtotals	NA	13,942	391	14,333	14,333	0	0.0%
Unknown Risks	NA	NA	NA	NA	500	0	0.0%
Unallocated Contingency	9900	268	232	500	NA	0	0.0%
Grand Totals	NA	14,210	623	14,833	14,833	0	0.0%

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)
Farebox Revenue - Capital	Local	596		596	596	0
VTA Non CCF Prepaid	Local	3,200		3,200	3,200	0
VTA Capital Contr-Special Proj	Local	4,300		4,300	4,300	0
CA-2017-057-01	Federal	5,000		5,000	5,000	0
FY18 STA - SOGR	State	1,100		1,100	1,100	0
State Transit Assistance FY19	State	14		14	14	0
Totals		14,210	0	14,210	14,210	0

MP-36 Locomotive Mid-Life Overhaul

Project No. **100233**

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
Alstom Shop Flow	Alstom ----- Delayed by Alstom and parts availability.	Will ship next unit for overhaul when Caltrain spares are adequate. Alstom to try and get components expedited.	\$ - -----	Med
Locomotive 925 HEP Engine Delay	Alstom ----- Alstom hoping to have HEP engine returned soon.	Follow up with Alstom.	\$ - ----- 14	Med
Locomotive 925 Painting Delay	Alstom ----- Painting might be delayed by contractor.	Hire a new painting contractor.	\$ - ----- 14	Med

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

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

KEY ACTIVITIES - Current Reporting Quarter

Unit 927 is in service, operating without defect. Unit 924 shipped from Alstom and is at CEMOF for fuel, oil and water. Unit 925 is still in overhaul - due to ship in January 2023. 926 was removed from service in preparation for shipping to Alstom.

NEXT KEY ACTIVITIES

Unit 927 to have emissions testing completed. Unit 924 to complete dynamic testing on Caltrain and begin service. 925 to begin static functional testing. 926 to be shipped to Mare Island to begin overhaul.

PROJECT NOTES

1. The schedule and budget were re-baselined by the Management Committee in October 2022.

MP-36 Locomotive Mid-Life Overhaul

Project No. 100233

PROJECT PHOTOS



Photo 1 - Locomotive 924 parked near CEMOF building.



Photo 2 - Locomotive 925 painting completed.



Photo 3 - Locomotive 925 engine installed.



Photo 4 - Locomotive 927 in service.

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	G
Previous	G	G	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
72.24%	6%	100%

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: N/A
 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	12/31/23	12/31/23	0	0
Gate 8 – Closeout	03/31/24	03/31/24	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	
Subtotals	NA	2,000	1,007	3,007	3,007	0	0.0%
Unknown Risks	NA	NA	NA	NA	193	0	0.0%
Unallocated Contingency	9900		193	193	NA		
Grand Totals	NA	2,000	1,200	3,200	3,200	0	0.0%

(*) 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	-
General Capital Funds	Other		1,200	1,200	1,200	-
Totals		2,000	1,200	3,200	3,200	0

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
Critical cut-overs	Caltrain technical leads CDWG /Wabtec - Vendor cut-over Support	All critical cut overs will be implemented during non-revenue hours. If the issue arises during that time all the systems will be rolled back to pre cut-over state. Back-ups will be taken for all the critical systems.	TBD	Med
	On-going		TBD	

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

Issue Title	Responsibility Status	Action	Resolution Date
None			

KEY ACTIVITIES - Current Reporting Quarter

Finished all phase 2 server migration. Post cut over review. Continue with Domain, Network and Security post cutover review. Phase 3 road map planning and Data backup planning are ongoing. Phase 2 - Delivery of final documentation has been finalized. To discuss the goals of the phase 3 work, several meetings with the vendor (CDWG) have taken place, including one on-site meeting . A first draft of the Phase 3 SOW is anticipated on January 23.

NEXT KEY ACTIVITIES

Start pre-Phase 3 discussions with CDWG and Wabtec. Review the important phase 3 actions, and work with CDWG to create a phase 3 SOW.

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
89.78%	0.00%	100%

1. The COVID-19 Pandemic caused the delay in development and logistics. The schedule issue was escalated within Centum Adetel and Caltrain. The Centum Team provided a revised Schedule to complete installation, commissioning and training by 4/01/2023. Project Manager to request schedule re-baseline at February 2023 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	03/31/23	-516	-244
Gate 7 - Start-Up / Turnover Complete	12/15/21	04/15/23	-486	-167
Gate 8 - Project Closeout Complete	02/15/22	06/30/23	-500	-181

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%
Subtotals	NA	350	0	350	350	0	0.0%
Unknown Risks	NA	NA	NA	NA	50		
Unallocated Contingency	9900	50		50	NA	0	0.0%
Grand Totals	NA	400	0	400	400	0	0.0%
(*) 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
Totals		400	0	400	400	0

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
Wheelchair Count Accuracy	Sylvain Labelle Centum TS Scheduled repair	Pending update of firmware in April 2023.	04/30/23

KEY ACTIVITIES - Current Reporting Quarter

Caltrain Operations was working with IT to provide simplified In and Out at 4th and King to Executive Management. The Operations task above are ongoing. The project As-Built redline was initiated. The vendor continued working on updating the APC counting software. The Operations team has created a daily report for management review of 4th and King Passenger Counts.

NEXT KEY ACTIVITIES

The counting software update & firmware update are next key activities. The As-Built shall be completed by the end of February 2023. Firmware update expected first quarter 2023. Firmware update for accuracy and Software update for accuracy will be completed by April 2023.

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
0.3%	-0.17%	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)
Gate 1 Project Initiation	01/01/18	01/01/18	0	0
Gate 2 - 15% Development Complete	05/31/22	05/31/22	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
IFB	10/01/27	10/01/27	0	0
ROW Permits Complete	03/31/28	03/31/28	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	1,730	558	24.4%
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	314	-236	-303.1%
Project Management	5100	1,508		1,508	1,751	-243	-16.1%
Project & Document Control	5200	468		468	471	-3	-0.6%
Finance/Accounting	5300	135		135	130	5	3.6%
Contracts & Procurement	5400	187		187	176	11	5.7%
Legal	5500	62		62	70	-8	-12.7%
Information Technology	5600	0		0	5	-5	
Communications/P. Relations	5700	62		62	66	-3	-5.4%
Human Resources	5800	0		0	4	-4	
Safety/Security & Risk Mgmt.	5900	104		104	97	7	7.1%
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%
Subtotals	NA	277,635	0	277,635	277,556	79	0.0%
Unknown Risks	NA	NA	NA	NA	27,725	0	0.0%
Unallocated Contingency	9900	27,725		27,725	NA		
Grand Totals	NA	305,360	0	305,360	305,281	79	0.0%
(*) ICAP already included in totals above		11,745	0	11,745	11,742	3	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)		
San Mateo County TA	Local	650	4,950	5,600	5,600	0
City of San Bruno	Local	60	163	223	189	34
City of South San Francisco	Local	100	387	487	407	80
SAMTR Non CCF Prepaid	Local	85		85	85	0
Totals*		895	5,500	6,395	6,281	114

*\$114K is for City of SSF and City of San Bruno staff charges

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 Resolved.	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.	10/31/2022

KEY ACTIVITIES - Current Reporting Month

Issued RFP and responded to questions from prospect proposers. Two proposals for Preliminary Engineering services were received on Dec 6th. The proposals were reviewed and scored. Interviews were set for Jan 9th.

NEXT KEY ACTIVITIES

Interview the proposers on Jan 9th, make a selection and negotiate the fee. Target April 2023 JPB Board meeting to award contract.

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	G	G	G

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

Progress (%)	Change Prev. Qtr.	EAC/Budget
3.9%	0.13%	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	01/26/23	01/26/23	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	15,676		15,676	15,676	0	0.0%
Environmental	1200	2,156		2,156	2,156	0	0.0%
Real Estate	2100	6,449		6,449	6,449	0	0.0%
Utilities Relocations	2200	6,243		6,243	6,243	0	0.0%
Const./Impl. Contracts	3100	242,940		242,940	242,940	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	632		632	632	0	0.0%
Project Management	5100	4,750		4,750	4,750	0	0.0%
Project & Document Control	5200	464		464	464	0	0.0%
Finance/Accounting	5300	10		10	10	0	0.0%
Contracts & Procurement	5400	63		63	63	0	0.0%
Legal	5500	54		54	54	0	0.0%
Information Technology	5600	5		5	5	0	0.0%
Communications/P. Relations	5700	44		44	44	0	0.0%
Human Resources	5800	4		4	4	0	0.0%
Safety/Security & Risk Mgmt.	5900	73		73	73	0	0.0%
Equip./Material Purchases	6100	0		0	0	0	
CalMod Program	7100	142		142	142	0	0.0%
Oper. Support	8100	666		666	666	0	0.0%
Undefined and Others		89		89	89	0	0.0%
Subtotals	NA	287,740	0	287,740	287,740	0	0.0%
Unknown Risks	NA	NA	NA	NA	28,663	0	0.0%
Unallocated Contingency	9900	28,663		28,663	NA		
Grand Totals	NA	316,403	0	316,403	316,403	0	0.0%
(*) 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
Totals		6,050	19,363	25,413	25,413	0

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 ----- Coordinating with Real Estate.	Determine funding source, seek funds for acquisition.	\$11M -----	

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

Issue Title	Responsibility Status	Action	Resolution Date

KEY ACTIVITIES - Current Reporting Quarter

Review of the 65% plans continues. Plans were also forwarded to UP and CAHSR for their review and comment. Environmental is also reviewing the 65% plans and will start preparing permit application packages to USACOE, RWQB and CDFW. Project Delivery Method Assessment Report draft was circulated among workshop attendees for comment.

NEXT KEY ACTIVITIES

Continue reviewing the 65% plans and provide comments back to Mark Thomas. Schedule a Phase Gate review in January 2023. 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 \$11M will continue. Per CPUC request, schedule a follow up meeting in January with Caltrans and UP in attendance. Finalize the Project Delivery Method Assessment Report and prepare staff report and resolution to make a recommendation to the JPB Board at its March 2023 meeting.

PROJECT NOTES

1. Management Committee approved Gate 4 of the project in January 2023.

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: **4 – Development (65%)**

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

Progress (%)	Change Prev. Qtr.	EAC/Budget
1.49%	-0.27%	100%

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	08/05/19	08/05/19	0	1,152
MOU/ CO-OP Agreement with City of Mountain View for Final Design	10/06/22	10/06/22	0	0
Award Design Contract	08/15/23	08/15/23	0	-107
Gate 4 – 65% Approval	10/31/22	10/31/22	0	517
95% Design	07/31/24	07/31/24	0	61
100% Design	12/31/24	12/31/24	0	89
All Permits Received	04/30/25	04/30/25	0	61
Gate 5 – 100/IFB	07/30/25	07/30/25	0	-122
Construction Contract Award - Board Approval	08/30/25	08/30/25	0	153
Gate 6 – Substantial Completion	12/31/27	12/31/27	0	274
Gate 7 – Start-up/Turnover	03/31/28	03/31/28	0	244
Gate 8 – Closeout	06/30/28	06/30/28	0	184

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	5,678	18,178	18,178	0	0.0%
Environmental	1200	500	153	653	653	0	0.0%
Real Estate	2100	25,000	-24,868	132	132	-0	-0.0%
Utilities Relocations	2200	25,000	22,010	47,010	47,010	0	0.0%
Construction ODCs	2300		0	0	0	0	
Const./Impl. Contracts	3100	190,000	-82,491	107,509	107,509	0	0.0%
Construction Management	4100	5,727	9,135	14,862	14,862	0	0.0%
Design Support During Const.	4200	2,995	-808	2,187	2,187	0	0.0%
Testing & Commissioning	4300	0	0	0		0	
Agency/ODCs	5000	2,487	-1,556	931	931	0	0.0%
Project Management	5100		1,457	1,457	1,457	0	0.0%
Project & Document Control	5200		369	369	369	0	0.0%
Finance/Accounting	5300		7	7	7	0	0.0%
Contracts & Procurement	5400		162	162	162	0	0.0%
Legal	5500		75	75	75	0	0.0%
Information Technology	5600		0	0	0	0	
Communications/P. Relations	5700		108	108	108	0	0.0%
Human Resources	5800		0	0	0	0	
Safety/Security & Risk Mgmt.	5900		272	272	272	0	0.0%
Equip./Material Purchases	6100		0	0	0	0	
CalMod Program	7100		0	0	0	0	
Oper. Support	8100	4,000	-3,919	81	81	0	0.0%
Subtotals	NA	268,209	-74,216	193,993	193,993	-0	-0.0%
Unknown Risks	NA	NA	NA	NA	40,002	0	0.0%
Unallocated Contingency	9900	14,000	26,002	40,002	NA		
Grand Totals	NA	282,209	-48,214	233,995	233,995	-0	-0.0%
(*) ICAP already included in totals above		7,579		7,579	7,579	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.

Rengstorff Grade Separation

Project No. 100482

Table 5. FUNDING (in thousands of \$)

Fund Source	Type	Board Approved			Activated Funding	Un-activated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
City of Mountain View MOU	Other	3,500	0	3,500	3,500	0
City of Mountain View/VTA (Measure B)	Other	0	18,500	18,500	1,000	17,500
Totals		3,500	18,500	22,000	4,500	17,500

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

KEY ACTIVITIES - Current Reporting Quarter

The final 35% design plan has been submitted and undergoing QA check by Caltrain's QA staff. The final draft of design Cooperative Agreement with comments was provided to the VTA and the City of Mountain View for preparing an executable agreement. Attended a quarterly coordination meeting with VTA and the cities and discussed status of the project and funding opportunities. During their September meeting, the VTA Board of Directors approved \$42 million funding towards final design and right of way acquisition. Final design RFP preparation and evaluation of alternative delivery methods are in progress. The final design scope of work is under review. JPB Board provided authorization to receive funds from the VTA and the City of Mountain View and to execute the cooperative agreement. In addition, the JPB Board approved additional funds of \$9.8 million, bringing the total funds approved for this project to \$18.5 million. Submitted the Consolidated Rail Infrastructure Safety Improvement (CRISI) grant fund application.

NEXT KEY ACTIVITIES

Continue to finalize to execute the cooperative agreement. Continue to prepare an RFP for selecting a design consultant, evaluate various delivery methods and select an optimal method, and procure an alternative delivery contractor. TRANSIT AND INTERCITY RAIL CAPITAL PROGRAM (TIRCP) grant application is under preparation.

Rengstorff Grade Separation

Project No. **100482**

PROJECT NOTES

Project was re-baselined following the Management Committee approval on January 26, 2023 of an updated Work Plan.

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

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

Progress (%)	Change Prev. Qtr.	EAC/Budget
1.25%	0.42%	77%

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

	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
Award Design Contract	06/02/22	06/02/22	0	0
NTP for Final Design	07/22/22	07/22/22	0	0
IFB (CMGC)	08/22/22	08/22/22	0	0
Pre-Construction (CMGC) Board Award	05/04/23	05/04/23	0	0
Environment Clearance Complete	06/30/24	06/30/24	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	06/01/24	30	30
NTP	08/01/24	07/01/24	31	31
ROW Permits Complete	01/01/25	01/01/25	0	0
Gate 6 - Substantial Completion	04/30/27	12/31/26	120	120
Gate 7 - Start-UP/Turnover Complete	08/01/27	03/31/27	123	123
Gate 8 - Project Closeout	11/01/27	04/30/27	185	185

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	10,034	2,024	16.8%
Environmental	1200	308		308	520	-212	-68.9%
Real Estate	2100	1,184		1,184	0	1,184	100.0%
Utilities Relocations	2200	12,293		12,293	2,913	9,380	76.3%
Const./Impl. Contracts	3100	107,578		107,578	88,170	19,408	18.0%
Construction Management	4100	1,525		1,525	9,738	-8,213	-538.7%
Design Support During Const.	4200	1,040		1,040	800	240	23.0%
Testing & Commissioning	4300	1,040		1,040	0	1,040	100.0%
Agency/ODCs	5000	260		260	1,538	-1,278	-491.6%
Project Management	5100	2,219		2,219	2,490	-270	-12.2%
Project & Document Control	5200	495		495	287	208	42.0%
Finance/Accounting	5300	495		495	0	495	100.0%
Contracts & Procurement	5400	391		391	66	325	83.1%
Legal	5500	485		485	498	-13	-2.7%
Information Technology	5600	0		0	0	0	
Communications/P. Relations	5700	114		114	28	87	75.7%
Human Resources	5800	0		0	0	0	
Safety/Security & Risk Mgmt.	5900	114		114	0	114	100.0%
Equip./Material Purchases	6100	0		0	0	0	
CalMod Program	7100	166		166	0	166	100.0%
Oper. Support	8100	1,525		1,525	2,585	-1,061	-69.6%
Subtotals	NA	143,289	0	143,289	119,667	23,622	16.5%
Unknown Risks	NA	NA	NA	NA	12,333	14,794	54.5%
Unallocated Contingency	9900	27,128		27,128	NA		
Grand Totals	NA	170,417	0	170,417	132,000	38,417	22.5%

(*) ICAP already included in totals above

	6,554	0	6,554	5,077	1,478	22.5%
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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)
VTA	Local	10,000		10,000	10,000	0
Totals		10,000	0	10,000	10,000	0

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
1. Future Maintenance and Operations Agreement	JPB & External Stakeholders ----- Agreement is required for future maintenance and operations for this project after construction.	JPB to coordinate with Real Estate, Legal and External Stakeholders for further discussion.	TBD
2. Box Jacking vs Top-Down Construction Evaluation	Project Manager/Engineering ----- Project Management and Engineering team to coordinate with Final Design team to evaluate construction methods and how it affects budget, scope and schedule.	Conduct evaluation of both construction methods, prepared by the HNTB Final Design team. Will coordinate with City of Mountain View and VTA to coordinate workshop session to better understand the evaluation.	06/30/23
3. Project Total Costs require revision	Project Manager/Engineering ----- Resolved.	Independent Cost Estimator provided a revised cost of the construction budget that includes: Utilities relocations, main construction contract scope, soft costs, and contingency	11/30/22
4. Funding for Construction Phase	JPB & External Stakeholders ----- Project Management team to coordinate with City of Mountain View and VTA to identify potential grants to fully fund the construction phase.	Worked with VTA and City of Mountain View staff to prepare and submit LPP Application	06/30/23

KEY ACTIVITIES - Current Reporting Quarter

The Project obtained JPB approval at the October 6, 2022 Board Meeting for the Comprehensive Agreement with the County to provide design and construction support and the Amendment to the Cooperative Agreement for the Final Design Pre-Construction Phase. Secondly, the Project continues to work with Caltrain Engineering, Final Design, City of Mountain View, and VTA staff (Technical Working Group) in providing bi-weekly updates to the design and scope clarification as it pertains to structure selection type, mechanical and architectural features, utility coordination, operations and maintenance agreements. Thirdly, the Project continues to work with Contracts and Procurement to prepare the RFP CMGC Contract for Pre-Construction Services posted on Bonfire on October 25, 2022. Finally, the Project continues to meet with funding partners, sponsors, Caltrain staff (Project Development Group) and Project Controls to provide bi-weekly updates to the project including completing LPP applications for construction phase, operations and maintenance agreements, project management plan, and public outreach.

NEXT KEY ACTIVITIES

The Project shall continue to work with Caltrain Engineering, Final Design, City of Mountain View, and VTA staff (Technical Working Group) in providing bi-weekly updates to the design and scope clarification as it pertains to structure selection type, mechanical and architectural features, utility coordination, operations and maintenance agreements. Secondly, the Project shall continue to work with Contracts and Procurement to prepare the RFP CMGC Contract for Pre-Construction Services pre-proposal meeting on November 9, 2022. Lastly, the Project shall continue to meet with funding partners, sponsors, Caltrain staff (Project Development Group) and Project Controls to provide bi-weekly updates to the project including completing LPP applications for construction phase, operations and maintenance agreements, project management plan, and public outreach.

PROJECT NOTES

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

San Francisquito Creek Bridge Replacement

Project No. 100427

Table 1. Status Summary and Total Project Performance

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

Project Phase: 3 – Development (35%)

Progress (%)	Change Prev. Qtr.	EAC/Budget
1.87%	0.61%	134%

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. Based on the detailed inspection and load rating analysis, the bridge does not rate and based on the recommendations from the report, Rail Operations has dispatched Track Bulletin Form C as trains crossing at the same time is prohibited on the San Francisquito Creek Bridge.

Proposed new scope is pending approval from the Management Committee. The project will be presented to Management Committee in March 2023.

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	12/31/25	-853	-853
Gate 4 – 65% Approval	10/31/31	12/31/29	669	669
Final Design Complete	10/31/31	12/31/31	-61	-61
Gate 5 – 100/IFB	10/31/31	12/31/31	-61	-61
All Permits Received	11/01/31	11/01/31	0	0
Main Contract Award	05/31/32	07/01/32	-31	-31
NTP	06/01/32	08/01/32	-61	-61
Gate 6 – Substantial Completion	07/03/34	08/31/33	306	306
Gate 7 – Start-up/Turnover	10/03/34	02/28/34	217	217
Gate 8 – Closeout	01/02/35	06/30/34	186	186

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	24,931	-11,390	-84.1%
Environmental	1200	5,000		5,000	2,080	2,920	58.4%
Real Estate	2100	0		0	78	-78	
Utilities Relocations	2200	0		0	5,200	-5,200	
Construction ODCs	2300	0		0	0	0	
Const./Impl. Contracts	3100	70,000		70,000	52,000	18,000	25.7%
Construction Management	4100	1,306		1,306	7,280	-5,974	-457.4%
Design Support During Const.	4200			0	0	0	
Testing & Commissioning	4300			0	0	0	
Agency/ODCs	5000	492		492	1,156	-664	-134.9%
Project Management	5100	1,360		1,360	11,262	-9,902	-728.2%
Project & Document Control	5200	54		54	679	-625	-1154.2%
Finance/Accounting	5300	0		0	147	-147	
Contracts & Procurement	5400	11		11	140	-129	-1196.5%
Legal	5500	72		72	469	-397	-550.8%
Information Technology	5600			0	0	0	
Communications/P. Relations	5700			0	152	-152	
Human Resources	5800			0	0	0	
Safety/Security & Risk Mgmt.	5900			0	128	-128	
Equip./Material Purchases	6100			0	0	0	
CalMod Program	7100			0	0	0	
Oper. Support	8100			0	3,173	-3,173	
Subtotals	NA	91,836	0	91,836	108,873	-17,038	-18.6%
Unknown Risks	NA	NA	NA	NA	14,534	-14,109	-3319.7%
Unallocated Contingency	9900	425		425	NA		
Grand Totals	NA	92,261	0	92,261	123,407	-17,038	-18.5%

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

(*) ICAP already included in totals above	4,777		4,777	4,777	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	60	1,260	1,200	60
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
Totals		2,184	60	2,244	2,184	60

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
Selection one of three options to adopt as project scope	Planning Division / Management Committee Continue discussion with JPB management.	Planning Division to prepare Alternatives Analysis Summary and continue discussions with JPB management on the next course of action.	TBD
Acoustic Monitoring Funding	Project Manager/Grants Work with JPB Management to provide list of unfunded projects and coordinate with Grants to identify funding.	Local/State funding is required for the Acoustic Monitoring project to comply with the CEQA process.	TBD
Bridge Replacement Funding Plan	Project Manager/Grants Work with JPB Management and Planning team to identify 10 year capital improvement project plan and coordinate with Grants to identify funding.	Local/State funding is required for the Acoustic Monitoring project to comply with the CEQA process.	TBD

KEY ACTIVITIES - Current Reporting Quarter

Continued to work with Planning for project updates and prepared meetings with stakeholders. Continued to work with Government and Community Affairs Division for public outreach activities. Continued to work with the vendor for budget, scope, schedule and delivery method of the acoustic monitoring system. Continued to work with Consultant Staff on the fatal flaw review of proposed concepts that would support the operations needs of the Railroad and its tenants. Continued to work with Planning and Capital Divisions to prepare management committee documents to re-baseline budget, scope, and schedule that will split into two work plans and project profiles for FY24/FY25: bridge replacement and acoustic monitoring. Continued to work with Planning and Capital Divisions to prepare meetings to engage in project updates with City of Palo Alto and Rail Committee.

NEXT KEY ACTIVITIES

Continue to work with Planning for project updates and prepared meetings with stakeholders. Continue to work with Government and Community Affairs Division for public outreach activities. Continue to work with Consultant Staff on the fatal flaw review of proposed concepts that would support the operations needs of the Railroad and its tenants. Continue to work with Planning and Capital Divisions to prepare management committee documents to re-baseline budget, scope, and schedule that will split into two work plans and project profiles for FY24/FY25: bridge replacement and acoustic monitoring. Continue to work with Planning and Capital Divisions to prepare meetings to engage in project updates with City of Palo Alto and Rail Committee.

San Francisquito Creek Bridge Replacement

Project No. 100427

PROJECT NOTES

None

PROJECT PHOTOS



Photo 1 - Pendulum Hung from Bridge



Photo 2 - Strain Gauge on Vertical Members



Photo 3 - Strain Gauge on Horizontal Chord

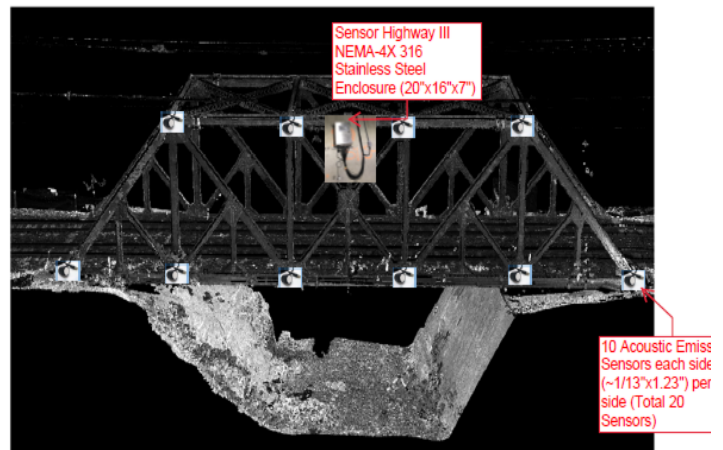


Photo 4 - 3D Survey Model

DESIGN
ROW Grade Crossings

Churchill Avenue Grade Crossing

Project No. **100426**

Table 1. Status Summary and Total Project Performance

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

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

Progress (%)	Change Prev. Qtr.	EAC/Budget
26.46%	0.87%	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/IFB Complete	05/26/22	05/26/22	0	0
IFB	08/01/22	08/01/22	0	0
Main Contract Award	04/06/23	04/06/23	0	0
LNTP	05/01/23	05/01/23	0	0
Gate 6 - Substantial Completion	03/31/24	03/31/24	0	0
Gate 7 - Startup/Turnover Complete	06/30/24	06/30/24	0	0
Gate 8 - Project Closeout Complete	10/31/24	10/31/24	0	0

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%
Subtotals	NA	2,415	-265	2,150	2,150	0	0.0%
Unknown Risks	NA	NA	NA	NA	370	0	0.0%
Unallocated Contingency	9900	105	265	370	NA		
Grand Totals	NA	2,520	0	2,520	2,520	0	0.0%

(*) ICAP already included in totals above 133 0 133 133 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)
Sec 130 Grant 75LX334	State	2,520		2,520	2,520	0
Totals		2,520	0	2,520	2,520	0

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
Coordination with the city of Palo Alto.	Robert Tam	Monthly meetings with the city of Palo Alto.	\$ -	Med
	The city of Palo Alto received comments on the GO88-B form for review.		30	

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	None.	12/31/2022
	The City of Palo Alto received approval from the CPUC on the GO88-B form. Resolved		

KEY ACTIVITIES - Current Reporting Quarter

The City of Palo Alto received approval from the CPUC on the GO88-B form. Contracts and Procurement issued and advertised the IFB. Held the pre-bid meeting where 5 firms attended.

NEXT KEY ACTIVITIES

Receive questions from the bidders and answer the questions. Receive bids at the end of January 2023.

PROJECT NOTES

Project was re-baselined following the Management Committee approval on January 26, 2023 of an updated Work Plan.

PROJECT PHOTOS



Photo 1 - Churchill Ave

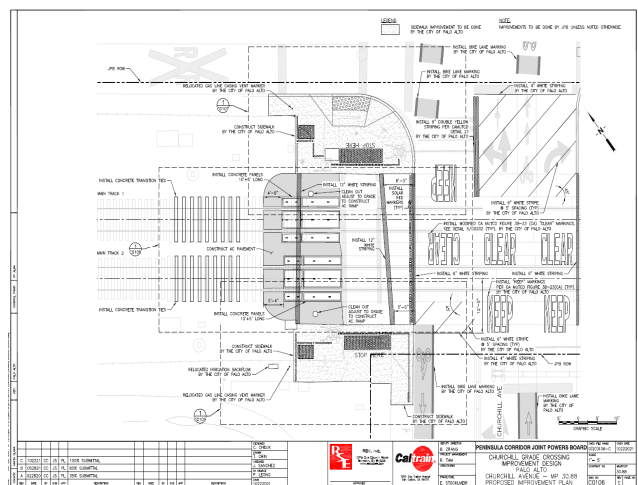


Photo 2 - Churchill Ave Grade Crossing Improvements

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	G	G	G	G

Progress (%)	Change Prev. Qtr.	EAC / Budget
13.57%	5.11%	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	0
Gate 2 - 15% Development Complete	05/26/22	05/26/22	0	0
Gate 3 - 35% Development Complete	05/31/22	05/31/22	0	0
Gate 4 - 65% Development Complete	01/26/23	01/26/23	0	0
Gate 5 - 100% Development/IFB Complete	06/30/23	06/30/23	0	0
Main Contract Award Board Approval	01/04/24	01/04/24	0	0
NTP	04/01/24	04/01/24	0	0
Gate 6 - Substantial Completion	03/01/25	03/01/25	0	0
Gate 7 - Start-Up / Turnover Complete	04/01/25	04/01/25	0	0
Gate 8 - Project Closeout Complete	07/01/25	07/01/25	0	0

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	25	325	325	0	0.0%
Environmental	1200	10	-10	0	0	0	
Real Estate	2100	10	-10	0	0	0	
Utilities Relocations	2200	0	0	0	0	0	
Construction ODCs	2300			0	0	0	
Const./Impl. Contracts	3100	599	1,454	2,053	2,053	0	0.0%
Construction Management	4100	200	362	562	562	0	0.0%
Design Support During Const.	4200	30	2	32	32	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	18	168	168	0	0.0%
Project & Document Control	5200	50	32	82	82	0	0.0%
Finance/Accounting	5300	5	13	18	18	0	0.0%
Contracts & Procurement	5400	10	8	18	18	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	50	50	50	0	0.0%
Equip./Material Purchases	6100	0	0	0	0	0	
CalMod Program	7100	0	0	0	0	0	
Oper. Support	8100	40	788	828	828	0	0.0%
Subtotals	NA	1,408	2,768	4,177	4,177	0	0.0%
Unknown Risks	NA	NA	NA	NA	501		
Unallocated Contingency	9900	132	369	501	NA	0	0.0%
Grand Totals	NA	1,540	3,137	4,678	4,678	0	0.0%

(*) ICAP already included in totals above 59 121 180 180 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	0
Totals		1,540	0	1,540	1,540	0

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	

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

Issue Title	Responsibility Status	Action	Resolution Date
Funding not sufficient for construction contract.	Robert Tam Received the 65% design cost estimate for construction.	Submit budget request in FY24.	TBD

KEY ACTIVITIES - Current Reporting Quarter

JPB and Redwood City met to discuss the 65% design comments. The design consultant responded to all the 65% design comments. Worked on an updated detailed project budget to present to the Management Committee for approval at the January 2023 meeting.

NEXT KEY ACTIVITIES

Proceed to 100% design and Submit budget request for FY24 funds.

PROJECT NOTES

Project budget is higher due to higher construction cost estimate and requires additional board approval. Received approval from Management Committee for increasing the budget and re-baseline the schedule at the January 26, 2023 meeting.

PROJECT PHOTOS

To be updated.

San Mateo Grade Crossing Improvements

Project No. **100566**

Table 1. Status Summary and Total Project Performance

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

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

Progress (%)	Change Prev. Qtr.	EAC/Budget
8.30%	0.03%	100%

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	01/10/22	01/10/22	0	0
IFB	07/01/22	07/01/22	0	0
Gate 5 - 100% Development/IFB Complete	07/28/22	07/28/22	0	0
Main Contract Award Board Approval	06/01/23	06/01/23	0	0
NTP	07/01/23	07/01/23	0	0
Gate 6 - Substantial Completion	06/30/24	06/30/24	0	0
Gate 7 - Start Up/Turnover Complete	09/01/24	09/01/24	0	0
Gate 8 - Project Closeout Complete	12/31/24	12/31/24	0	0

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	0	0	0	
Const./Impl. Contracts	3100	3,000	-1,400	1,600	1,600	0	0.0%
Construction Management	4100	200	300	500	500	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	-600	200	200	0	0.0%
Project Management	5100	200	400	600	600	0	0.0%
Project & Document Control	5200	0	50	50	50	0	0.0%
Finance/Accounting	5300	20	0	20	20	0	0.0%
Contracts & Procurement	5400	40	-15	25	25	0	0.0%
Legal	5500	30	-15	15	15	0	0.0%
Information Technology	5600	0	0	0	0	0	
Communications/P. Relations	5700	0	10	10	10	0	0.0%
Human Resources	5800	0	0	0	0	0	
Safety/Security & Risk Mgmt.	5900	0	20	20	20	0	0.0%
Equip./Material Purchases	6100	0	0	0	0	0	
CalMod Program	7100	0	0	0	0	0	
Oper. Support	8100	50	1,350	1,400	1,400	0	0.0%
Subtotals	NA	5,260	-460	4,800	4,800	0	0.0%
Unknown Risks	NA	NA	NA	NA	671		
Unallocated Contingency	9900	212	460	671	NA	0	0.0%
Grand Totals	NA	5,471	0	5,471	5,471	0	0.0%

(*) ICAP already included in totals above 210 0 210 210 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)
Section 130 Grant EA#75280A	State	2,000	1010	3,010	3,010	0
Section 130 FY23	State	2,067	395	2,462	2,462	0
Totals		4,067	1,404	5,471	5,471	0

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	None.	\$ -	0
	Received funding authorization for construction from Caltrans. Resolved			

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

Issue Title	Responsibility Status	Action	Resolution Date
None.			

KEY ACTIVITIES - Current Reporting Quarter

The city of San Mateo received approval from the CPUC for the GO88-B forms for both 4th and 5th Ave. The JPB Board approved receiving the additional funds from Caltrans for the 4th and 5th Ave grade crossing improvements. The Board also approved amending the project budget in the FY23 Capital Budget. Continued monthly meeting with the city of San Mateo and Caltrans for project status updates.

NEXT KEY ACTIVITIES

Issue and advertise the IFB for construction.

PROJECT NOTES

Additional Section 130 Program funding of \$1,404,609 from the amended Caltrans Section 130 Funding Agreements is available. Project was re-baselined following the Management Committee approval on January 26, 2023 of an updated Work Plan.

PROJECT PHOTOS

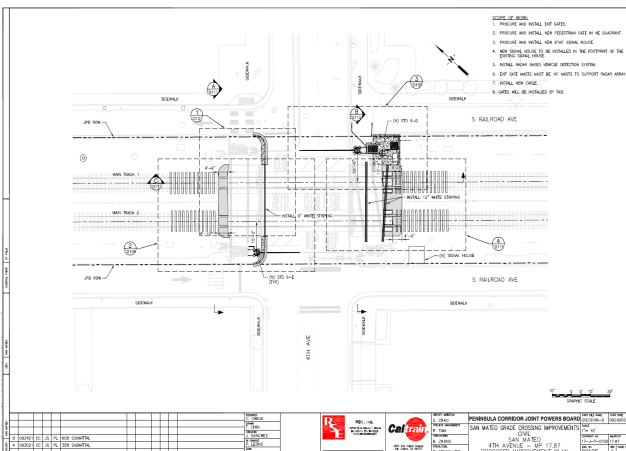


Photo 1 - San Mateo Grade Crossing Improvements

DESIGN
ROW Communications & Signals

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
15.65%	0.48%	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)
Gate 1 - Project Initiation	01/06/21	01/06/21	0	0
Gate 3 - 35% Development Complete	06/30/22	06/30/22	0	0
Gate 5 - 100% Development Complete / IFB	06/12/23	06/12/23	0	0
IFB	08/11/23	08/11/23	0	0
Main Contract Award Board Approval	09/07/23	09/07/23	0	0
NTP	10/01/23	10/01/23	0	0
Gate 6 - Substantial Completion	10/01/24	10/01/24	0	0
Gate 7 - Start-Up / Turnover Complete	12/01/24	12/01/24	0	0
Gate 8 - Project Closeout Complete	01/30/25	01/30/25	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		150	150	150	0	0.0%
Environmental	1200			0	0	0	
Real Estate	2100			0	0	0	
Utilities Relocations	2200			0	0	0	
Const./Impl. Contracts	3100		351	351	351	0	0.0%
Construction Management	4100	30	-30	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	92	236	328	328	0	0.0%
Project & Document Control	5200	25	82	106	106	0	0.0%
Finance/Accounting	5300		21	21	21	0	0.0%
Contracts & Procurement	5400	5	15	20	20	0	0.0%
Legal	5500	5	5	10	10	0	0.0%
Information Technology	5600		42	42	42	0	0.0%
Communications/P. Relations	5700		20	20	20	0	0.0%
Human Resources	5800			0	0	0	
Safety/Security & Risk Mgmt.	5900		31	31	31	0	0.0%
Equip./Material Purchases	6100	243	-44	199	199	0	0.0%
CalMod Program	7100		68	68	68	0	0.0%
Oper. Support	8100	270	24	294	294	0	0.0%
Subtotals	NA	670	969	1,639	1,639	0	0.0%
Unknown Risks	NA	NA	NA	NA	395		
Unallocated Contingency	9900	30	365	395	NA	0	0.0%
Grand Totals	NA	700	1,334	2,034	2,034	0	0.0%
(*) ICAP already included in totals above		26	51	77	77	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
Sect 5337-CA-2017	Federal		303	303	303	0
5537-2022-4 FY2022 Fed Fund	Federal		695	695	695	0
FY21 VTA STA SOGR Capital	State		86	86	86	0
FY22 STA SOGR PCJPB	State		6	6	6	0
Bridge Toll Funds	Local	272		272	272	0
Measure RR Capital	Local		244	244	244	0
Totals		700	1,334	2,034	2,034	0

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
100% Design Delay	Njomele Hong	This project is an internal design, confirm by test bed.	04/01/23
	Identified		

KEY ACTIVITIES - Current Reporting Quarter

The construction is on going at Brisbane test bed radio site. Draft of contract for As-Built, Design & Specifications for Sunnyvale & Brisbane is in process.

NEXT KEY ACTIVITIES

The completion of construction of the Brisbane test-bed, completion of a draft for a designer to create the "as built" and specifications for the project are in process as the next key activities.

PROJECT NOTES

1. Project was re-baselined following the Management Committee approval on January 26, 2023 of an updated Work Plan.

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	G	G	G
Previous	G	Y	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
8.95%	1.52%	100%

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	03/30/23	03/30/23	0	0
IFB	03/09/23	03/09/23	0	0
Main Contract Award	07/06/23	07/06/23	0	0
NTP	09/15/23	09/15/23	0	0
Gate 6 - Substantial Completion	03/15/25	03/15/25	0	0
Gate 7 - Start-Up / Turnover Complete	06/15/25	06/15/25	0	0
Gate 8 - Project Closeout Complete	09/15/25	09/15/25	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	1,333	4,333	4,333	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			0		0	
Testing & Commissioning	4300		173	173	173	0	0.0%
Agency/ODCs	5000	300	-20	280	280	0	0.0%
Project Management	5100	50		50	50	0	0.0%
Project & Document Control	5200	50	-33	17	17	0	0.0%
Finance/Accounting	5300	50		50	50	0	0.0%
Contracts & Procurement	5400	30		30	30	0	0.0%
Legal	5500		20	20	20	0	2.0%
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	
Subtotals	NA	4,500	1,473	5,973	5,973	0	0.0%
Unknown Risks	NA	NA	NA	NA	850	0	0.0%
Unallocated Contingency	9900	850		850	NA		
Grand Totals	NA	5,350	1,473	6,823	6,823	0	0.0%
(*) ICAP already included in totals above		206	57	262	262	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
General Capital Fund	Local		2700	2,700	2,700	0
Totals		0	2,700	3,200	3,200	0

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 The Risk is Identified	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 7	High
Station VMS COMM Cable Plant Non Functional (Install & Test)	Njomele Hong The Risk is Identified	Install new SMF in 10 stations. Can be a separate contract not part of VMS or Include in VMS.	\$ 135 30	High
Station VMS Power Cable Plant Non Functional (Install new)	Njomele Hong The Risk is Identified	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 15	High
Water Ingress Damage at VMS sign conduit/cable penetrations	Larry Dewitt The Risk is Identified	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 TBD	High
Contingency Media Convertor Availability	Larry Dewitt The Risk is Identified	We need to have media convertors available in the event that fiber has been added to the 10 stations noted above.	\$ 1 0	High

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

Issue Title	Responsibility Status	Action	Resolution Date
Schedule Delay	Njomele Hong The schedule has been delayed due to the delay in 100% design submittal.	Project Manager to request a schedule re-baseline at January 2022 Management Committee meeting.	1/30/2023

KEY ACTIVITIES - Current Reporting Quarter

In November, the contract change for design was complete, the engineering consultant visited stations for Single Mode Fiber (SMF) upgrade & existing condition at station for physical mounting of signs. The IFB effort continues and scope at stations has been updated.

NEXT KEY ACTIVITIES

The next key activities are the Mgmt. Committee meeting for IFB and 100% design, re-baseline schedule, update specific conditions based on scope, & provide information to grants and funding for funding applications.

PROJECT NOTES

1. Project was re-baselined following the Management Committee approval on January 26, 2023 of an updated Work Plan.

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
10.10%	2.46%	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)
Gate 1 - Project Initiation	07/31/21	07/31/21	0	0
Gate 3 - 35% Development Complete	06/30/22	06/30/22	0	0
Gate 4 - 65% Development Complete	10/30/22	10/30/22	0	0
Gate 5 - 100% Development/IFB Complete	06/12/23	06/12/23	0	0
IFB	08/11/23	08/11/23	0	0
Main Contract Award Board Approval	09/07/23	09/07/23	0	0
NTP	10/01/23	10/01/23	0	0
Gate 6 - Substantial Completion	10/01/24	10/01/24	0	0
Gate 7 - Start-Up / Turnover Complete	12/01/24	12/01/24	0	0
Gate 8 - Project Closeout Complete	01/30/25	01/30/25	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	-290	150	150	0	0.0%
Environmental	1200			0	0	0	
Real Estate	2100	5	-5	0	0	0	
Utilities Relocations	2200			0	0	0	
Construction ODCs	2300	540	-156	384	384	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	200	-6	194	194	0	0.0%
Project Management	5100	30	-20	10	10	0	0.0%
Project & Document Control	5200	5	5	10	10	0	0.0%
Finance/Accounting	5300	10	11	21	21	0	0.0%
Contracts & Procurement	5400	10	0	10	10	0	0.0%
Legal	5500		106	106	106	0	0.0%
Information Technology	5600	0	21	21	21	0	0.0%
Communications/P. Relations	5700			0	0	0	
Human Resources	5800		31	31	31	0	0.0%
Safety/Security & Risk Mgmt.	5900			0	0	0	
Equip./Material Purchases	6100		21	21	21	0	0.0%
CalMod Program	7100	10	120	130	130	0	0.0%
Oper. Support	8100			0		0	
Subtotals	NA	1,250	-161	1,089	1,089	0	0.0%
Unknown Risks	NA	NA	NA	NA	125	0	0.0%
Unallocated Contingency	9900	50	75	125	NA		
Grand Totals	NA	1,300	-86	1,214	1,214	0	0.0%
(*) ICAP already included in totals above		49	-3	46	46	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-2021	Federal	900		900	900	0
VTA STA SOGR Cap	State	400	-86	314	314	0
Totals		1,300	-86	1,214	1,214	0

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 will 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
100% Design Delay	Njomele Hong Identified	Caltrain internal design, no IFB. The work plan has test bed to verify Caltrain design in process.	TBD

KEY ACTIVITIES - Current Reporting Quarter

Caltrain Communications Engineering and IT worked together the transition of PA transport within the IT existing contracts and identified specific hardware for configuration or addition to Caltrain system. A request for TASI support for the test bed was issued. TASI provided a proposal for the test-bed and as-built of the IP upgrade by Caltrain design. That proposal is in review.

NEXT KEY ACTIVITIES

Complete review of TASI support for Communications SOGR IP upgrade. Continue planning of the test bed, for PA at several stations and the integration with IT and Network systems. Continue the documentation of the "as built" for the project by Caltrain in the form of redline and sketches at Santa Clara & 20 additional stations. Re-baseline project in March.

PROJECT NOTES

1. Project was re-baselined following the Management Committee approval on January 26, 2023 of an updated Work Plan.

Predictive Arrival/Departure System (PADS) Replacement

Project No. 100614

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
2.51%	0.66%	100%

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
IFB	03/09/23	03/09/23	0	0
Gate 5 - 100% Development Complete	10/29/23	10/29/23	0	0
Main Contract Award	05/02/24	05/02/24	0	0
NTP	06/03/24	06/03/24	0	0
Gate 6 - Substantial Completion	06/02/25	06/02/25	0	0
Gate 7 - Start-Up / Turnover Complete	09/30/25	09/30/25	0	0
Gate 8 - Project Closeout Complete	12/30/25	12/30/25	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	-283	117	117	0	0.0%
Environmental	1200			0		0	
Real Estate	2100			0		0	
Utilities Relocations	2200			0		0	
Construction ODCs	2300	6,000	-250	5,750	5,750	0	0.0%
Const./Impl. Contracts	3100		100	100	100	0	0.0%
Construction Management	4100			0		0	
Design Support During Const.	4200	168	-168	0	0	0	
Testing & Commissioning	4300		393	393	393	0	0.0%
Agency/ODCs	5000	550	-394	156	156	0	0.0%
Project Management	5100	105	-28	77	77	0	0.0%
Project & Document Control	5200	75	-75	0		0	
Finance/Accounting	5300	75	-53	23	23	0	0.0%
Contracts & Procurement	5400	30	-12	18	18	0	0.0%
Legal	5500	40	-40	0		0	
Information Technology	5600		67	67	67	0	0.0%
Communications/P. Relations	5700		2	2	2	0	0.0%
Human Resources	5800		4	4	4	0	0.0%
Safety/Security & Risk Mgmt.	5900			0	0	0	
Equip./Material Purchases	6100			0	0	0	
CalMod Program	7100	140	-80	60	60	0	0.0%
Oper. Support	8100			0		0	
Subtotals	NA	7,583	-817	6,766	6,766	0	0.0%
Unknown Risks	NA	NA	NA	NA	969	0	0.0%
Unallocated Contingency	9900	600	369	969	NA		
Grand Totals	NA	8,183	-447	7,736	7,736	0	0.0%
(*) ICAP already included in totals above		315	-17	298	298	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	1,040		1,040	372	668
General Capital Fund	Local	1,060		1,060	1,060	0
Totals		2,100	0	2,100	1,432	668

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 cannot 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
Funding Incomplete	Njomele Hong ----- Identified	This project does not have adequate funding for the next two years and existing funding unlikely to get far within the PADS Scope Summary. Reduce Scope.	01/31/23
Schedule delay	Njomele Hong ----- Identified	Request re-baseline at February Management Committee meeting.	02/28/23

KEY ACTIVITIES - Current Reporting Quarter

In October the funding shortfall was identified as a matter for executive priorities. The project may be progressed to include necessary system enable work such that other interfaces will function rather than progress the RFP to bidding. The third party estimate was halted. In November, continued developing RFP and technical specification.

NEXT KEY ACTIVITIES

Continue RFP development and system enabling work effort and present the new scope to Management Committee in February 2023.

PROJECT NOTES

1. Project was re-baselined following the Management Committee approval on January 26, 2023 of an updated Work Plan.

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	R	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
9.71%	2.53%	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	06/30/23	06/30/23	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%
Subtotals	NA	3,775	1,423	5,198	5,198	0	0.0%
Unknown Risks	NA	NA	NA	NA	594	0	0.0%
Unallocated Contingency	9900	200	394	594	NA		
Grand Totals	NA	3,975	1,818	5,793	5,793	0	0.0%
(*) ICAP already included in totals above		153	70	223	223	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
Totals		624	0	624	624	0

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
Schedule delay	Njomele Hong The project has been delayed for one year due to a budget shortfall.	Request funds in FY24.	06/30/23
System Architecture Gap	Njomele Hong Due to System Architecture Gap a consolidated Caltrain Systems Design has been initiated to close gap.	Engineering will lead new project initiation.	TBD
100% Design Delay	Njomele Hong 100% Design is scheduled to be completed in February 2023.	Engineering Consultant received all information for completion of design.	02/28/23

KEY ACTIVITIES - Current Reporting Quarter

Continued working on 100% design.

NEXT KEY ACTIVITIES

Complete 100% design in January and visit the management committee for the 100% design gate in February.

PROJECT NOTES

1. Project was re-baselined following the Management Committee approval on January 26, 2023 of an updated Work Plan.

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
5.20%	2.16%	100%

Additional funds to support construction required. Seek 50% match from MTC's Local Partnership Program funding to support the construction phase.

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 Ave. 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 and have a single switch.

Electrification is not part of the base funding plan. Supplemental funding will be needed to electrify the replacement parking track.

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)
Gate 4 - 65% Development Complete	04/30/23	04/30/23	0	0
Environmental Clearance Complete	06/30/23	06/30/23	0	0
Gate 5 - 100% Development Complete/IFB	06/30/23	06/30/23	0	0
IFB	09/30/23	09/30/23	0	0
ROW Permits Complete	10/31/23	10/31/23	0	0
Main Contract Award	11/30/23	11/30/23	0	0
NTP	01/01/24	01/01/24	0	0
Gate 6 - Substantial Completion	06/30/24	06/30/24	0	0
Gate 7 - Start-Up/Turnover Complete	09/30/24	09/30/24	0	0
Gate 8 - Project Closeout Complete	10/31/24	10/31/24	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	5,990		5,990	5,990	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	229		229	229	0	0.0%
Project Management	5100	301		301	301	0	0.0%
Project & Document Control	5200	31		31	31	0	0.0%
Finance/Accounting	5300	10		10	10	0	0.0%
Contracts & Procurement	5400	9		9	9	0	0.0%
Legal	5500	14		14	14	0	0.0%
Information Technology	5600	5		5	5	0	0.0%
Communications/P. Relations	5700	10		10	10	0	0.0%
Human Resources	5800	4		4	4	0	0.0%
Safety/Security & Risk Mgmt.	5900	6		6	6	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%
Subtotals	NA	8,431	0	8,431	8,431	0	0.0%
Unknown Risks	NA	NA	NA	NA	1,579	0	0.0%
Unallocated Contingency	9900	1,579		1,579	NA		
Grand Totals	NA	10,010	0	10,010	10,010	0	0.0%
(*) 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)	(D)	(E=C-D)
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
Totals		4,045	0	4,045	4,045	0

San Mateo Replacement Parking Track

Project No. **100676**

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
Shallow TPFOC discovered at end of parking track near 14th Ave	JPB, UPRR ----- Resolved.	Propose shortening the parking track to avoid the shallow underground TPFOC. Parking track to be extended when longer trainsets go into service in the future.	\$ -	
If parking track is shifted 100 ft to the north, need review and OK by Environ. Planning team	JPB ----- Resolved.	Met with Environmental and determined that this change will require new CEQA clearance and public engagement. Shifting the track will no longer be an option.	\$ -	

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

Issue Title	Responsibility Status	Action	Resolution Date
Additional funds to support construction required	JPB ----- Budget transfer from 25th Ave Grade Sep Project completed. Approval of LPP fund pending.	Seek 50% match from MTC's Local Partnership Program funding to support spring 2023 construction.	TBD

KEY ACTIVITIES - Current Reporting Quarter

JPB Board at its 12/6/22 meeting authorized Amendment No. 4 to HDR contract 19-J-P-073 to add scope, capacity and time. Contracts is preparing the Amendment for execution.

NEXT KEY ACTIVITIES

As requested by Michelle in the last Monthly Project Review meeting, prepare an update and make recommendation regarding moving forward with the project. Schedule a meeting with the City to review current design and overall project status.

PROJECT NOTES

Project schedule was re-baselined following the Management Committee approval on January 26, 2023 of an updated Work Plan.

Mini-High Platforms

Project No. 100684

Table 1. Status Summary and Total Project Performance

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

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

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

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	03/31/23	03/31/23	0	0
Gate 5 - 100/IFB	06/01/23	06/01/23	0	0
Bid & Award	08/01/23	08/01/23	0	0
Construction	12/01/23	12/01/23	0	0
Gate 6 -Substantial Completion	02/01/24	02/01/24	0	0
Gate 7 - Turnover	03/01/24	03/01/24	0	0
Gate 8 - Closeout	04/01/24	04/01/24	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	106	316	316	0	0.0%
Environmental	1200	14		14	14	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	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	0	
Agency/ODCs	5000	0		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	0	0	
Safety/Security & Risk Mgmt.	5900	5		5	5	0	0.0%
Equip./Material Purchases	6100	0		0	0	0	
CalMod Program	7100	0		0	0	0	
Oper. Support	8100	25		25	25	0	0.0%
Subtotals	NA	1,603	106	1,709	1,709	0	0.0%
Unknown Risks	NA	NA	NA	NA	1,385	0	0.0%
Unallocated Contingency	9900	1,491	-106	1,385	NA		
Grand Totals	NA	3,094	0	3,094	3,094	0	0.0%
(*) ICAP already included in totals above		119	0	119	119	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)
Member Agency Funds	Local	1,964		1,964	1,951	13
Totals		1,964	0	1,964	1,951	13

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
Increase in Scope	Planning. Planning has brought up new concerns regarding conflicts.	Work with planning team to detail the scope.	\$ -	

Mini-High Platforms

Project No. **100684**

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

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

KEY ACTIVITIES - Current Reporting Quarter

Continued the design work. Working to develop a funding plan.

NEXT KEY ACTIVITIES

Continue the design work. Continue working to develop a funding plan.

PROJECT NOTES

Project was re-baselined following the Management Committee approval on January 26, 2023 of an updated Work Plan.

PROJECT PHOTOS









To be updated.

PLANNING
Grade Separations

Whipple Avenue Grade Separation Study

Project No. 100410

Table 1. Status Summary and Total Project Performance

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

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

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

The scope of work for the next phase of the project is to be determined but will likely include additional planning work. As a result the project will temporarily pause as Caltrain and City Staff discuss next steps.

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

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

Whipple Avenue Grade Separation Study

Project No. 100410

Table 3. 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	0
Draft Report Production	05/31/22	07/05/22	-35	0
Final Report Production	06/30/22	09/30/22	-92	0
Gate 2 - 15% Development Complete	09/30/22	TBD	0	0

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	1,151		1,151	1,151	0	0.0%
Environmental	1200	0		0	0	0	
Real Estate	2100	0		0	0	0	
Utilities Relocations	2200	0		0	0	0	
Const./Impl. Contracts	3100	0		0	0	0	
Construction Management	4100	0		0	0	0	
Design Support During Const.	4200	0		0	0	0	
Testing & Commissioning	4300	0		0	0	0	
Agency/ODCs	5000	0		0	0	0	
Project Management	5100	0		0	0	0	
Project & Document Control	5200	0		0	0	0	
Finance/Accounting	5300	0		0	0	0	
Contracts & Procurement	5400	0		0	0	0	
Legal	5500	0		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	0		0	0	0	
Subtotals	NA	1,151	0	1,151	1,151	0	0.0%
Unknown Risks	NA	NA	NA	NA	0	0	
Unallocated Contingency	9900	0		0	NA		
Grand Totals	NA	1,151	0	1,151	1,151	0	0.0%
(*) ICAP already included in totals above		18	0	18	18	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.

Whipple Avenue Grade Separation Study

Project No. **100410**

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)		
San Mateo County TA	Local	750	301	1,051	1,051	0
City of Redwood City	Local	100		100	100	0
Totals		850	301	1,151	1,151	0

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

KEY ACTIVITIES - Current Reporting Quarter

None.

NEXT KEY ACTIVITIES

None.

PROJECT NOTES









The scope of work for the next phase of the project is to be determined but will likely include additional planning work. As a result the project will temporarily pause as Caltrain and City Staff discuss next steps.

Bernardo Avenue Undercrossing

Project No. **100667**

Table 1. Status Summary and Total Project Performance

Project Phase: **Planning**

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

Progress (%)	Change Prev. Qtr.	EAC/Budget
TBD	NA	144%

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 at March 2023 meeting.

2. Project EAC is higher due to Construction and Construction Management cost estimate and requires additional funding. Project Manager to seek approval from Management Committee for increasing the budget and re-baseline at March 2023 meeting.

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	05/01/22	09/30/23	-517	0
Environmental Clearance Complete	02/01/23	03/31/24	-424	0
Gate 5 - 100% Development Complete / IFB	06/01/23	03/31/24	-304	0
ROW Permits Complete	06/01/23	03/31/24	-304	0
IFB	06/30/23	06/30/24	-366	0
Main Contract Award	01/31/24	12/07/24	-311	0
NTP	02/01/24	01/01/25	-335	0
Gate 6 - Substantial Completion	02/01/27	12/31/27	-333	0
Gate 7 - Start-Up / Turnover Complete	05/01/27	03/31/28	-335	0
Gate 8 - Project Closeout Complete	08/30/27	06/30/28	-305	0

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

Type of Work		Budget *			Estimate at Completion (D)	Variation	
Title	Code	Original (A)	Changes (B)	Current (C=A+B)		Amount (E=C-D)	Percentage (F=E/C)
Planning & Engineering	1100	4,000		4,000	4,000	0	0.0%
Environmental	1200	1,243		1,243	500	743	59.8%
Real Estate	2100	500		500	275	225	45.0%
Utilities Relocations	2200	2,000		2,000	2,500	-500	-25.0%
Construction ODCs	2300			0		0	
Const./Impl. Contracts	3100	23,250		23,250	30,242	-6,992	-30.1%
Construction Management	4100	1,500		1,500	3,500	-2,000	-133.3%
Design Support During Const.	4200	1,800		1,800	750	1,050	58.3%
Testing & Commissioning	4300	3,500		3,500		3,500	100.0%
Agency/ODCs	5000	200		200	200	0	0.0%
Project Management	5100	1,000		1,000	1,150	-150	-15.0%
Project & Document Control	5200	150		150	200	-50	-33.3%
Finance/Accounting	5300	37		37	75	-38	-102.7%
Contracts & Procurement	5400	120		120	180	-60	-50.0%
Legal	5500	70		70	75	-5	-7.1%
Information Technology	5600			0		0	
Communications/P. Relations	5700	100		100	100	0	0.0%
Human Resources	5800			0		0	
Safety/Security & Risk Mgmt.	5900	30		30	40	-10	-33.3%
Equip./Material Purchases	6100			0		0	
CalMod Program	7100	1,000		1,000		1,000	100.0%
Oper. Support	8100	500		500	500	0	0.0%
Subtotals	NA	41,000	0	41,000	44,287	-3,287	-8.0%
Unknown Risks	NA	NA	NA	NA	20,902	-16,502	-375.1%
Unallocated Contingency	9900	4,400		4,400	NA		
Grand Totals	NA	45,400	0	45,400	65,189	-19,789	-43.6%

(*) ICAP already included in totals above

	1,746	0	1,746	2,507	-761	-43.6%
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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.

Bernardo Avenue Undercrossing

Project No. **100667**

Table 5. FUNDING (in thousands of \$)

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

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 preparing the 30% (Preliminary Engineering) plans utilizing their consultants. A design workshop was held on 11/14/2022 to discuss the 30% plans as well as potential construction methods in the wake of Caltrain's electrification of the corridor and to discuss the best way to accommodate the OCS system. JPB is waiting for the City's 30% submittal.	Caltrain to continue to coordinate with the City of Sunnyvale.	TBD
Funding shortfall	Arul Edwin ----- Resolved.	VTA has allocated \$18 million for the project.	10/30/22

KEY ACTIVITIES - Current Reporting Quarter

Cities of Sunnyvale and Mountain View have jointly decided to take the project from conceptual design phase to 30% level plans. JPB and the City met on December 7, 2022 and discussed the service agreement.

NEXT KEY ACTIVITIES

The City will be completing the 30% deign plans and JPB will review and provide review comments.

PROJECT NOTES

1. Estimate at Completion (EAC) 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 together to identify additional funds to complete the construction.

Sunnyvale Grade Separation

Project No. 100668

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

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

The City of Sunnyvale is performing alternatives analysis for the Mary Avenue grade separation. The alternatives analysis and community outreach has taken longer than originally expected. The City will hand over the project to Caltrain once the conceptual (15% plans) study is complete. Caltrain will explore potential options to accelerate the project including alternative delivery methods.

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. On August 30, 2022, the City Council selected the Jug Handle Alternative for Mary Ave as the preferred alternative and on September 27, the City Council selected the Bicycle and Pedestrian Undercrossing option for Sunnyvale Ave. Caltrain staff will lead the Mary Avenue grade separation into PE and Environmental once the city's feasibility study is completed, with the Sunnyvale Ave grade crossing occurring in late 2023.

PLANNING SCOPE Summary

The City of Sunnyvale has been 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. Caltrain has reviewed the City's 15% designs and provided comments to the City. Pending resolution of Caltrain comments relate to ROW and business impacts, bicycle and pedestrian impacts, retaining walls, structures (bridge/underpass), and emergency access. These items will be resolved during the next design phase. Caltrain is working with the City to finalize SA#2 and budget for development of Alternative Contract Delivery Analysis, MOU and RFPs. The City's feasibility study was completed in early December 2022. Caltrain and the City will work to coordinate the handoff of the project to Caltrain to lead Preliminary Engineering and Environmental upon execution of

Project Manager: Dennis Kearney
 Capital Development and Delivery Project Manager: Arul Edwin
 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

Sunnyvale Grade Separation

Project No. 100668

Table 3. MILESTONE SCHEDULE

Milestones	Baseline Completion	Completion (A = Actual)	Variation (days)	Δ Prev Quarter
	(A)	(B)	(C=A-B)	(D)
Gate 1 - Project Initiation	02/24/22	02/24/22	0	0
Gate 2 - 15% Development Complete	10/01/22	06/30/23	-272	-272
Gate 3 - 35% Development Complete	03/31/25	09/30/25	-183	-183
Gate 4 - 65% Development Complete	09/30/26	09/30/26	0	0
ROW Permits Complete	06/30/27	06/30/27	0	0
Environmental Clearance Complete	12/31/25	06/30/27	-546	-546
IFB	01/01/29	09/01/27	488	488
Gate 5 - 100% Development/IFB Complete	09/30/29	03/31/28	548	548
Main Contract Award	09/30/29	04/30/28	518	518
NTP	01/01/30	06/01/28	579	579
Gate 6 - Substantial Completion	06/30/33	07/31/29	1,430	1430
Gate 7 - Start-Up / Turnover Complete	12/31/33	10/31/29	1,522	1522
Gate 8 - Project Closeout Complete	03/31/34	12/31/29	1,551	1551

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	12,765		12,765	12,765	0	0.0%
Environmental	1200	400		400	400	0	0.0%
Real Estate	2100	31,000		31,000	31,000	0	0.0%
Utilities Relocations	2200	28,000		28,000	28,000	0	0.0%
Const./Impl. Contracts	3100	129,117		129,117	129,117	0	0.0%
Construction Management	4100	7,242		7,242	7,242	0	0.0%
Design Support During Const.	4200	3,162		3,162	3,162	0	0.0%
Testing & Commissioning	4300	500		500	500	0	0.0%
Agency/ODCs	5000	150		150	150	0	0.0%
Project Management	5100	1,036		1,036	1,036	0	0.0%
Project & Document Control	5200	285		285	285	0	0.0%
Finance/Accounting	5300	95		95	95	0	0.0%
Contracts & Procurement	5400	63		63	63	0	0.0%
Legal	5500	63		63	63	0	0.0%
Information Technology	5600	25		25	25	0	0.0%
Communications/P. Relations	5700	150		150	150	0	0.0%
Human Resources	5800	15		15	15	0	0.0%
Safety/Security & Risk Mgmt.	5900	250		250	250	0	0.0%
Equip./Material Purchases	6100	117		117	117	0	0.0%
CalMod Program	7100	117		117	117	0	0.0%
Oper. Support	8100	15,498		15,498	15,498	0	0.0%
Subtotals	NA	230,050	0	230,050	230,050	0	0.0%
Unknown Risks	NA	NA	NA	NA	45,857	0	0.0%
Unallocated Contingency	9900	45,857		45,857	NA	0	0.0%
Grand Totals	NA	275,907	0	275,907	275,907	0	0.0%
(*) ICAP already included in totals above		10,612	0	10,612	10,612	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.

Sunnyvale Grade Separation

Project No. 100668

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)		
City of Sunnyvale	Local	38	0	38	0	
Totals		38	0	38	0	

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

KEY ACTIVITIES - Current Reporting Quarter

Planning sent SA#2 and budget to City for review on 11/29/22. On 12/6/22, Planning received a request from the City to not charge any additional time to the current SA until further notice. On 12/7/22, Planning, Capital Development and Engineering met with the city to discuss the Mary Ave and Bernardo SAs and budgets and continued internal discussions regarding SA tasks and cost estimates. City has sent Planning examples of formal agreement documents so that Caltrain can include more specific contract-like language into SA. Planning currently reviewing these documents to ascertain appropriate language (if any) to include in the SA.

NEXT KEY ACTIVITIES

Continue working with City to finalize SA#2 and address SA budget estimate concerns and to also incorporate appropriate contract-like language into SA#2 . Planning, Capital Development and Engineering will continue to discuss potential delivery strategies for project, project funding and timing for project hand-off to Caltrain.









PROJECT NOTES

Middle Avenue Undercrossing

Project No. 100686

Table 1. Status Summary and Total Project Performance

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

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

Progress (%)	Change Prev. Qtr.	EAC/Budget
TBD	N/A	145%

Additional alternatives analysis and price escalation are factors contributing to higher costs. Caltrain will work with the City to explore cost effective solutions.

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 the newly completed 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. In June/July 2022, Caltrain reviewed the City’s 30% design and provided comments to the City. Issues requiring future resolution include relocation of the east side under-crossing access ramp outside of Caltrain ROW, current culvert depth, consideration of less-disruptive construction methods to cut and cover, this to avoid OCS infrastructure and disruption of Caltrain service from removal of electrification cables. Caltrain has recommended Jack and Bore, Mining, or other less disruptive construction methods and also recommended the City update the overall project cost estimate to account for escalation, soft costs and contingency. Service Agreement (SA) #2 has been prepared to support development of an Alternative Contract Delivery Analysis, MOU and CMGC and Final Design RFPs. Caltrain will assume the project lead role, once the City's 30% design work is complete.

Project Manager: Dennis Kearney
 Capital Development and Delivery Project Manager: Arul Edwin
 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

Middle Avenue Undercrossing

Project No. 100686

Table 3. MILESTONE SCHEDULE

Milestones	Baseline Completion	Completion (A = Actual)	Variation (days)	Δ 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	06/30/23	06/30/23	0	0
Gate 4 - 65% Development Complete	06/30/24	06/30/24	0	0
Environmental Clearance Complete	02/28/25	02/28/25	0	0
ROW Permits Complete	09/30/25	09/30/25	0	0
IFB	02/01/27	10/01/25	488	488
Gate 5 - 100% Development/IFB Complete	02/01/27	01/31/26	366	366
Main Contract Award	11/01/27	07/01/26	488	488
NTP	11/01/27	08/01/26	457	457
Gate 6 - Substantial Completion	11/01/30	07/31/28	823	823
Gate 7 - Start-Up / Turnover Complete	05/01/31	10/31/28	912	912
Gate 8 - Project Closeout Complete	08/01/31	01/31/29	912	912

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	998		998	998	0	0.0%
Environmental	1200	215		215	214	1	0.3%
Real Estate	2100	4,093		4,093	4,093	0	0.0%
Utilities Relocations	2200	6,090		6,090	6,090	0	0.0%
Const./Impl. Contracts	3100	9,135		9,135	20,000	-10,865	-118.9%
Construction Management	4100	1,198		1,198	2,000	-802	-66.9%
Design Support During Const.	4200	599		599	1,000	-401	-66.9%
Testing & Commissioning	4300	998		998	250	748	75.0%
Agency/ODCs	5000	1		1	342	-341	-27140.8%
Project Management	5100	1,250		1,250	438	812	65.0%
Project & Document Control	5200	68		68	109	-41	-59.9%
Finance/Accounting	5300	210		210	80	130	61.8%
Contracts & Procurement	5400	25		25	70	-45	-180.3%
Legal	5500	37		37	45	-8	-20.2%
Information Technology	5600	0		0	0	0	
Communications/P. Relations	5700	30		30	0	30	100.0%
Human Resources	5800	0		0	0	0	
Safety/Security & Risk Mgmt.	5900	36		36	36	0	0.0%
Equip./Material Purchases	6100	0		0	0	0	
CalMod Program	7100	399		399	0	399	100.0%
Oper. Support	8100	2,995		2,995	1,000	1,995	66.6%
Subtotals	NA	28,380	0	28,380	36,766	-8,386	-29.5%
Unknown Risks	NA	NA	NA	NA	7,353	-5,208	-242.7%
Unallocated Contingency	9900	2,145		2,145	NA		
Grand Totals	NA	30,525	0	30,525	44,119	-13,594	-44.5%

(*) ICAP already included in totals above

	1,174	0	1,174	1,697	-523	-44.5%
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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.

Middle Avenue Undercrossing

Project No. **100686**

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)		
City of Menlo Park	Local	54	0	54	0	
Totals		54	0	54	0	

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
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. (Exception was verbally approved.) However, due to electrification infrastructure, a total depth of 5 feet will be required. Resolution pending.	TBD
Right of Way Uses	TBD ----- The City would like to place ramps and/or stairs on JPB property.	Rail Development has concluded the ramps on JPB ROW presents issues related to public safety and preservation of ROW for maintenance and future functional potential. 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. However, City has questioned Caltrain policies and standards re: ROW/RCUP allowable uses.	TBD

KEY ACTIVITIES - Current Reporting Quarter

Planning continued to coordinate internally with Engineering and Capital Development to develop answers pertaining to follow up questions from city during the 11/10/22 workshop with city, including a reintroduced concept to install the undercrossing below the existing switching tracks in Menlo Park and what depth would be required for installation, as well as requirement of a tunnel top at the ends of the tunnel, ROW encroachment allowable limits if any, and fiber optic utility information for the area. Planning received comments from the City on the draft SA #2 and budget on 12/20/22 and will revise the SA and respond to questions.

NEXT KEY ACTIVITIES

Planning will continue to coordinate with Engineering and Capital Development and City to complete the draft SA #2 and budget for development of Alternative Contract Delivery Analysis, MOU and RFPs, as well as providing answers to the city's remaining questions. Planning will also continue to coordinate with City on their determination of constraints for the Middle Ave design on the future Ravenswood grade separation design and next steps for Middle Ave Undercrossing.

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
TBD	TBD	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	09/01/24	09/01/24	0	-520
Planning and Activation Complete	12/31/24	12/31/24	0	-550
Award Contract	01/07/25	01/07/25	0	-551
NTP	02/07/25	02/07/25	0	-550
Concept Development Sample Complete	04/30/25	04/30/25	0	-578
Gate 6 - Substantial Completion	12/31/26	12/31/26	0	-457
Gate 7 - Start-Up / Turnover Complete	01/31/27	01/31/27	0	-488
Gate 8 - Project Closeout Complete	04/30/27	04/30/27	0	-485

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	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	0	0	
Const./Impl. Contracts	3100	6,020	-5,020	1,000	1,000	0	0.0%
Construction Management	4100		0	0	0	0	
Design Support During Const.	4200	297	-297	0	0	0	
Testing & Commissioning	4300		0	0	0	0	
Agency/ODCs	5000	1,386	1,571	2,957	2,957	0	0.0%
Project Management	5100		398	398	398	0	0.0%
Project & Document Control	5200		100	100	100	0	0.0%
Finance/Accounting	5300		0	0	0	0	
Contracts & Procurement	5400		20	20	20	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	0		0	
CalMod Program	7100		0	0		0	
Oper. Support	8100	310	-310	0		0	
Subtotals	NA	9,723	-5,248	4,475	4,475	0	0.0%
Unknown Risks	NA	NA	NA	NA	525	0	0.0%
Unallocated Contingency	9900	277	248	525	NA		
Grand Totals	NA	10,000	-5,000	5,000	5,000	0	0.0%

(*) 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
General Capital Funds	Other	1,048		1,048	1,048	0
Totals		1,798	0	1,798	1,798	0

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

Project Management - Began incorporating EAM project into holistic GIS Program to provide additional context for fund use per Management Committee direction. Other Project Activities are currently On-hold. Continued data collection and verification under (separate) GIS project

NEXT KEY ACTIVITIES

Project Management - Complete incorporating EAM project into holistic GIS Program to provide additional context for fund use per Management Committee direction; present update to Management Committee at January meeting. Other Project Activities are currently On-hold. Continue data collection and verification under (separate) GIS project

PROJECT NOTES

None.

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
13.17%	2.66%	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: Aaron Lam
 Principal Designer: N/A
 Impl. 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	02/02/24	02/02/24	0	-365
NTP	02/12/24	02/12/24	0	-365
Gate 6 - Substantial Completion	08/30/24	08/30/24	0	-383
Gate 7 – Startup/Turnover Complete	11/30/24	11/30/24	0	-386
Gate 8 – Closeout	02/28/25	02/28/25	0	-384

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	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	0	0	
Const./Impl. Contracts	3100	2,659	-1,607	1,052	1,052	0	0.0%
Construction Management	4100		0	0	0	0	
Design Support During Const.	4200		0	0	0	0	
Testing & Commissioning	4300		0	0	0	0	
Agency/ODCs	5000		2,100	2,100	2,100	0	0.0%
Project Management	5100	310	19	329	329	0	0.0%
Project & Document Control	5200	70	95	165	165	0	0.0%
Finance/Accounting	5300		0	0	0	0	
Contracts & Procurement	5400	21	2	23	23	0	0.0%
Legal	5500		0	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		117	117	117	0	0.0%
CalMod Program	7100		0	0	0	0	
Oper. Support	8100	96	-96	0	0	0	
Subtotals	NA	3,305	482	3,786	3,786	0	0.0%
Unknown Risks	NA	NA	NA	NA	214		
Unallocated Contingency	9900	696	-482	214	NA	0	0.0%
Grand Totals	NA	4,000	-0	4,000	4,000	0	0.0%

(*) 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
General Capital Fund	Other	2,000		2,000	2,000	0
Totals		2,500	0	2,500	2,500	0

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

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 - Enterprise software adoption and future data management will be affected.	Impacts and risks regarding direction received were discussed with responsible party; 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 redirect project efforts towards significant additional data gathering measures. - Project delivery schedule will be affected due to reallocation of resources. - Direction received to proceed with purchase of a terrestrial (stationary) LiDAR unit. Equipment need should be reviewed by the executive team for determination regarding business needs and use case.	Investigation into additional data collection technologies (terrestrial LiDAR, Ground Penetrating Radar, 360 camera) as directed by the responsible party has begun. Direction received will be used to update the project work plan for Management Committee approval.	TBD
AECOM uploaded check sets for QA/QC in PDF and CAD formats. Link to check sets emailed to appropriate JPB team members for review. Comments to be compiled and sent to AECOM for implementation	Lou Tolentino/AECOM On-going	JPB team reviewing the check sets and will send comments compilation to AECOM on Jan. 6	1/6/2023
Received OCS CADD files are not attributed to facilitate a direct import into GIS.	Zouheir Farah On-going	Contact PCEP project team and request additional information be incorporated into the CADD files and/or to provide a corresponding table to import attributes to the corresponding OCS features.	TBD

Update and Upgrade GIS SystemProject No. **100565**

KEY ACTIVITIES - Current Reporting Quarter

Received full LiDAR deliverable and provided review; Developed 1' elevation polygons for entire corridor. All gathered data from PCEP, existing JPB Utility files, JPB as-built drawings were converted into a master check set file in PDF and CAD format for review. Data Collection/Stationary LiDAR - Completed platform scan at 22nd Street station. Completed Part 1 (of 2) parts Trimble X7 Training. Implementation/Asset Digitization - Linked the current EAM assets with a valid MP field to the 1/10,000 MP points layer. Implementation/GIS Viewer - Backend code enhancements for Chrome V108. Developed and added How-to documents within the viewer. Linked Metadata POC – Completed for Santa Clara Imagery. Published new GIS feature layers for: 2009 Geodetic Survey Monuments, MTC administrative boundaries (City and County bounds), 1/10,000 MP points. Continued software development efforts for KML export & attribute editing (approx. 85% complete).

NEXT KEY ACTIVITIES

Complete holistic GIS Program to provide additional context for fund use per Management Committee direction. Licensing & IT Infrastructure - Provide support for internal District evaluation of infrastructure and licensing need; Meet with Esri to discuss licensing options. Data Collection/Aerial LiDAR - Discuss LiDAR deliverable areas of concern with vendor and review requirements. Data Collection/Underground Utility Mapping - Gathering of comments from JPB team after review and submitting to AECOM. Data Collection/Stationary LiDAR - Schedule and complete Part 2 (of 2) parts Trimble X7 Training. Configure Trimble Perspectives software training environment and complete associated training. Implementation/Asset Digitization - Continue digitizing fence and at-grade crossings assets based on aerial imagery. Implementation/GIS Viewer - Complete and publish KML export & attribute editing capabilities. Continue drawing and annotation tool coding. Integration of DEM data with elevation display. Configure SamTrans Active Directory via LDAP.

PROJECT NOTES

None

CCTV Study-Assessment

Project No. 100673

Table 1. Status Summary and Total Project Performance

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

Month	Safety	Schedule	Budget	Funding
Current	G	G	G	G
Previous	G	G	G	G

Progress (%)	Change Prev. Qtr.	EAC / Budget
11.18%	11.18%	100%

SCOPE Summary

This project will conduct a study to recommend a comprehensive enhanced CCTV system including cameras, data links and monitoring software for Caltrain that will meet all the needs and requirements of the railroad. The project tasks will include:

1. Document the existing CCTV system and all existing CCTV cameras and data links for Caltrain.
2. Interview stakeholders to understand the needs and requirements for Caltrain for both currently and for the future.
3. Develop a requirements document and a network infrastructure diagram for the enhanced CCTV system. The requirements will include system performance and coverage.
4. Recommend a road map to implement the enhanced CCTV system and any technology refresh or upgrades in the future to avoid obsolescence.
5. Develop a cost estimate to implement the enhanced CCTV system.
6. Write a final report.

Project Manager: Robert Tam

Consultant: Hatch LTK

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	10/01/22	10/01/22	0	0
Gate 4 - Review of the CCTV system requirements	01/31/23	01/31/23	0	-31
Gate 6 - Approval of the final report of the study	06/30/23	06/30/23	0	-91
Gate 8 - Project Closeout Complete	09/30/23	09/30/23	0	-92

CCTV Study-Assessment

Project No. 100673

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	50	1	50	51	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	0	0	
Const./Impl. Contracts	3100	0		0	0	0	
Construction Management	4100	0		0	0	0	
Design Support During Const.	4200	0		0	0	0	
Testing & Commissioning	4300	0		0	0	0	
Agency/ODCs	5000	5		5	5	0	0.0%
Project Management	5100	13		13	13	0	0.0%
Project & Document Control	5200	10		10	10	0	0.0%
Finance/Accounting	5300	5		5	5	0	0.0%
Contracts & Procurement	5400	5		5	5	0	0.0%
Legal	5500	0		0	0	0	
Information Technology	5600	0		0	0	0	
Communications/P. Relations	5700	2		2	2	0	0.0%
Human Resources	5800	0		0	0	0	
Safety/Security & Risk Mgmt.	5900	5		5	5	0	0.0%
Equip./Material Purchases	6100	0		0	0	0	
CalMod Program	7100	0		0	0	0	
Oper. Support	8100	0		0	0	0	
Subtotals	NA	95	1	95	96	0	0
Unknown Risks	NA	NA	NA	NA	4	1	0
Unallocated Contingency	9900	5	-1	5	NA		
Grand Totals	NA	100	0	100	100	0	0
(*) ICAP already included in totals above		4	0	4	4	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 Non CCF Prepaid	Local	100		100	100	0
Totals		100		100	100	0

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

KEY ACTIVITIES - Current Reporting Quarter

Completed the stakeholder interviews.

NEXT KEY ACTIVITIES

Receive and review the stakeholders' requirements for a new CCTV system.

PROJECT NOTES

Project was re-baselined following the Management Committee approval on January 26, 2023 of an updated Work Plan.

Verizon Sink Hole Repair San Jose

Project No. 100685

Table 1. Status Summary and Total Project Performance

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

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

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

Project Schedule is extended due to delay in agreements between the parties. Request the Management Committee to re-baseline the schedule once the the agreement with Verizon is finalized.

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	0
Gate 4 – 65% Development Complete	05/31/22	04/01/23	-305	-183
Gate 5 – 100% Development/IFB Complete	06/16/22	04/01/23	-289	-152
Gate 6 – Substantial Completion	07/01/22	08/01/23	-396	-182
Gate 7 – Start-up/Turnover Complete	07/01/22	08/01/23	-396	-182
Gate 8 – Project Closeout Complete	08/01/22	08/01/23	-365	-182

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	200	-192	-2400.0%
Environmental	1200	10		10	10	0	0.0%
Real Estate	2100	0		0	10	-10	
Utilities Relocations	2200	0		0	0	0	
Construction ODCs	2300			0	0	0	
Const./Impl. Contracts	3100	200		200	0	200	100.0%
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	30	-12	-70.5%
Project & Document Control	5200	2		2	10	-8	-354.5%
Finance/Accounting	5300	0		0	0	0	
Contracts & Procurement	5400	0		0	0	0	
Legal	5500	12		12	30	-18	-150.0%
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	4		4	4	0	0.0%
Equip./Material Purchases	6100	0		0	0	0	
CalMod Program	7100	0		0	0	0	
Oper. Support	8100	20		20	30	-10	-50.0%
Subtotals	NA	319	0	319	369	-50	-15.7%
Unknown Risks	NA	NA	NA	NA	200	50	20.1%
Unallocated Contingency	9900	250		250	NA		
Grand Totals	NA	569	0	569	569	0	0.0%
(*) 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
Totals		500	0	500	500	0

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

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

Issue Title	Responsibility Status	Action	Resolution Date
Delay in agreement between the parties	Legal Negotiation.	Agreement to be written to get the project through design.	2/14/2023

KEY ACTIVITIES - Current Reporting Quarter

Continued negotiation on agreement and scope.

NEXT KEY ACTIVITIES

Continue negotiating the preliminary agreement.

PROJECT NOTES

Per existing agreements, all cost for this work are the responsibility of Verizon and negotiations are on-going to formalize this situation.

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	G	G	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
TBD	TBD	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	04/28/22	04/28/22	0	0
Preliminary Engineering	02/01/23	02/01/23	0	0
Final Design	04/01/25	04/01/25	0	0
Construction	12/01/31	12/01/31	0	0
Gate 8 – Closeout	03/31/31	03/31/31	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	
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	49	1,719	1,768	1,768	0	0.0%
Project Management	5100	9	1,000	1,009	1,009	0	0.0%
Project & Document Control	5200	7	100	107	107	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%
Subtotals	NA	1,271	2,819	4,090	4,090	0	0.0%
Unknown Risks	NA	NA	NA	NA	40	0	0.0%
Unallocated Contingency	9900	40		40	NA		
Grand Totals	NA	1,311	2,819	4,130	4,130	0	0.0%

(*) ICAP already included in totals above	50		50	50	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.

Downtown Rail Extension (DTX)

Project No. **100687**

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)		
Project Development Funds	Other	311		311	311	0
General Capital Funds	Other	500		500	500	0
TJPA reimbursement	Other		3320	3,320	3320	0
Totals		811	3,320	4,131	4,131	0

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

The Board increased the total project authority for the Downtown Extension (DTX) Support Project to \$4,130,874 at the 10/6/22 Board meeting. The team is continuing project development and design review activities with TJPA (and other DTX project partners) to support TJPA's request to enter the Engineering Phase of the FTA New Starts Program in February 2023. The team is also in the process of negotiating a Master Cooperative Agreement with TJPA. Additionally, the team is preparing an separate agreement with TJPA for planning the DTX enabling work at 4th and King Railyard.

NEXT KEY ACTIVITIES

The project team will continue discussions for developing a Master Cooperative Agreement with TJPA, support project development and design review activities, and draft the enabling work planning agreement.

PROJECT NOTES

1. Several elements of the DTX project are continuing to commence or progress concurrently. The team will continue to work with internal stakeholders as key tasks continue to emerge.

**CLOSEOUT
Stations**

South San Francisco Station Improvement Project

Project No. 002146

Table 1. Status Summary and Total Project Performance

Project Phase: 8 - Closeout

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

Progress (%)	Change Prev. Qtr.	EAC / Budget
98.8%	0.00%	100%

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

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	01/13/22	01/13/22	0	0
Gate 6 - Substantial Completion	12/22/22	12/22/22	0	0
Gate 7 - Start-Up/Turnover Complete	12/22/22	12/22/22	0	0
Gate 8 - Project Closeout Complete	06/30/23	06/30/23	0	0

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	-1,718	1,409	1,409	0	0.0%
Environmental	1200	100	-94	6	6	0	0.0%
Real Estate	2100	0	4,819	4,819	4,819	0	0.0%
Utilities Relocations	2200	200	4,670	4,870	4,870	0	0.0%
Construction ODCs	2300	0	63	63	63	0	0.0%
Const./Impl. Contracts	3100	37,000	10,236	47,236	47,236	0	0.0%
Construction Management	4100	3,323	3,427	6,750	6,750	0	0.0%
Design Support During Const.	4200	1,109	5,764	6,872	6,872	0	0.0%
Testing & Commissioning	4300	0	2,000	2,000	2,000	0	0.0%
Agency/ODCs	5000	0	1,661	1,661	1,661	0	0.0%
Project Management	5100	2,664	2,925	5,589	5,589	0	0.0%
Project & Document Control	5200	126	1,040	1,166	1,166	0	0.0%
Finance/Accounting	5300	63	-37	26	26	0	0.0%
Contracts & Procurement	5400	116	-71	44	44	0	0.0%
Legal	5500	50	322	372	372	0	0.0%
Information Technology	5600	0	11	11	11	0	0.0%
Communications/P. Relations	5700	0	19	19	19	0	0.0%
Human Resources	5800	0	0	0	0	0	
Safety/Security & Risk Mgmt.	5900	0	547	547	547	0	0.0%
Equip./Material Purchases	6100	0	269	269	269	0	0.0%
CalMod Program	7100	0	0	0	0	0	
Oper. Support	8100	1,656	2,085	3,741	3,741	0	0.0%
Undefined and others			791	791	791		
Subtotals	NA	49,533	38,729	88,262	88,262	0	0.0%
Unknown Risks	NA	NA	NA	NA	0	276	100.0%
Unallocated Contingency	9900	6,767	-6,490	276	NA		
Grand Totals	NA	56,300	32,239	88,539	88,262	0	0.0%

(*) ICAP already included in totals above	2,681	1,535	4,216	4,203	13	0.3%
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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
Totals		55,000	41,600	96,600	94,600	2,000

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 ----- Resolved.	Installed stainless steel paneling for underpass wall to cover water leak stains as warranty work.	11/22/2022
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.	2/28/2023

KEY ACTIVITIES - Current Reporting Quarter

Received approval for final change order from Contract Change Committee. Issued the final payment. Acquired conditional and unconditional release from PMI and began work on Final Acceptance. Received approval to close Gate 6 and 7 from the Management Committee.

NEXT KEY ACTIVITIES

Issue Final Acceptance and file Notice of Completion. Agency staff to prepare lessons learned session and to revise ADA slopes at ramps and landing design criteria to require industry recommended construction tolerances.

PROJECT NOTES

1. Project was re-baselined based on Management Committee approval of Gate 6 and 7 in December 2022.

South San Francisco Station Improvement Project

Project No. 002146

PROJECT PHOTOS



Photo 1 - Ped tunnel looking west



Photo 2 - Ped grade crossing



Photo 3 - Ped Underpass looking east

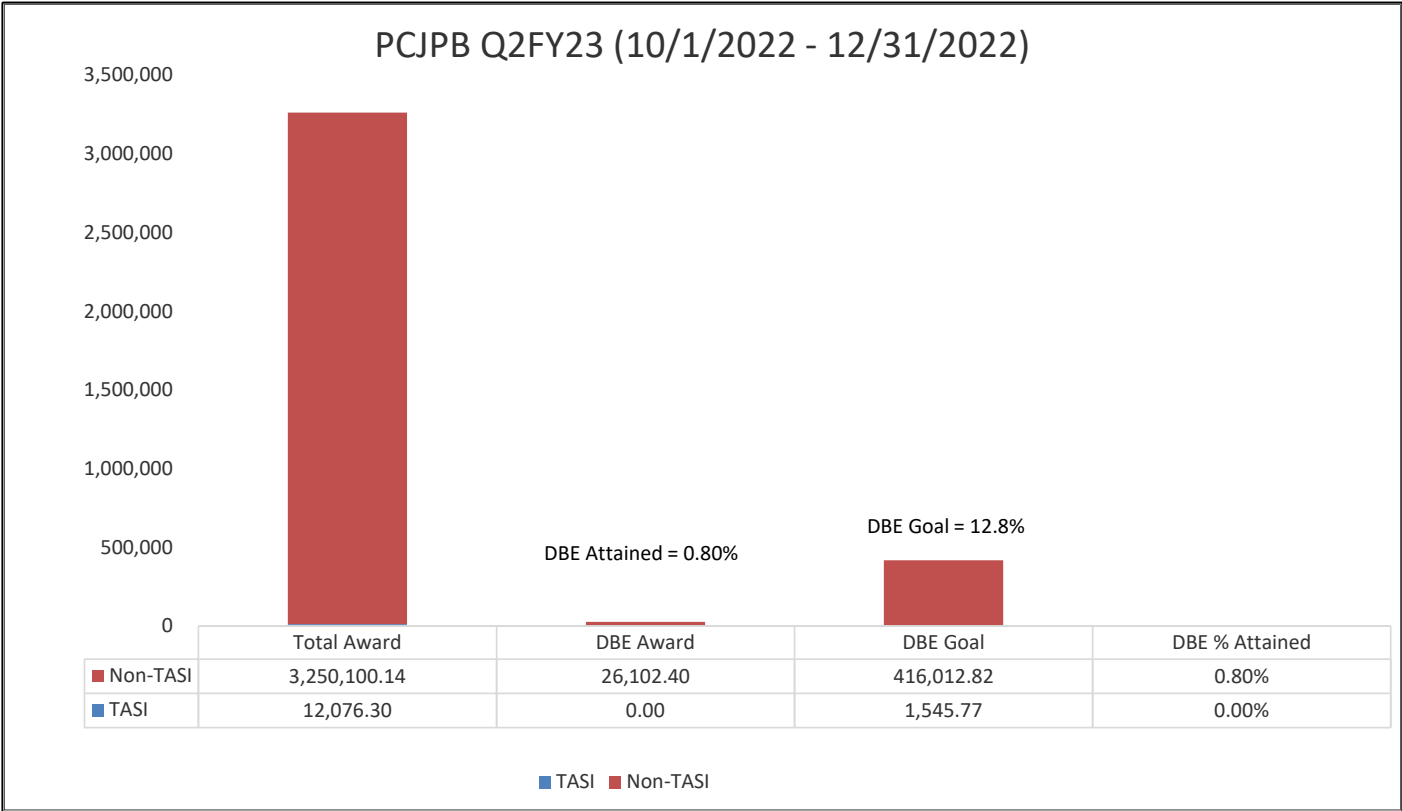


Photo 4 - Poletti Way looking towards East Plaza

Appendix A - Disadvantaged Business Enterprise (DBE)

Disadvantaged Business Enterprise (DBE)

PCJPB Award



Note: The overall triennial DBE goal for Federal Fiscal Year 2023-25 is 12.8%.

Appendix B - Project Performance Status Light Criteria

Status Light	Event Trigger	Range & Limits	Light
Budget ⁽¹⁾	(a) CPI (Only if Progress >5%) ⁽³⁾	CPI < 0.95	Red
		CPI >= 0.95 and < 0.98	Yellow
		CPI >= 0.98	Green
	(b) EAC greater than Approved Budget	10% or more; or \$2M or more	Red
		Up to 10% or less or up to \$2M or less	Yellow
		EAC <= budget	Green
Schedule ⁽¹⁾	(a) SPI (Only if Progress >5%) ⁽³⁾	SPI < 0.95	Red
		SPI >= 0.95 and < 0.98	Yellow
		SPI >= 0.98	Green
	(b) Major Milestones delay (Forecasted vs. Baseline) ⁽²⁾	Delay of 3 months or more	Red
		Delay between 1 day and 3 months	Yellow
		On time or early	Green
Funding ⁽¹⁾	Phase EAC ⁽⁴⁾ vs. Activated Funds	Activated Funds can only cover Projected Costs 6 months or less	Red
		Activated Funds can cover Projected Costs more than 6 months	Yellow
		Phase EAC ⁽³⁾ Equal or less than Activated Funds	Green
Safety	Occurrence of one or more safety incidents during reporting period	One or more Type II incidents (injury of worker or passenger requiring a report to the Federal Railroad Administration); or two or more Type I incidents (Near Miss or incident requiring written report based on contract requirements)	Red
		One Type I incident (Near Miss or incident requiring written report based on contract requirements)	Yellow
		No incidents	Green

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. SPI and CPI criteria applies only after project progress exceeds 5%.
4. 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

Activity ID	Activity Name	BL Project Start	Start	BL Project Finish	Finish	2022				2023				2024				2025				2026				2027				2028															
						A	J	J	A	S	D	J	F	A	J	J	A	S	D	J	F	A	J	J	A	S	D	J	F	A	J	J	A	S	D	J	F	A	J	J	A	S	N		
002088 25th Ave Grade Separation		20-Jul-15	20-Jul-15 A	31-Jan-23	31-May-23	31-May-23, 002088: 25th Ave Gr...																																							
002088.A10 Project Milestone		20-Jul-15	20-Jul-15 A	31-Jan-23	31-May-23	31-May-23, 002088.A10 Project...																																							
GC1150	Preliminary 35% Design			20-Jul-15	20-Jul-15 A																																								
GC1160	65% Design			28-Jan-16	28-Jan-16 A																																								
GC1170	95% Design			25-Jul-16	25-Jul-16 A																																								
GC1190	100% Design			26-Oct-16	26-Oct-16 A																																								
GC1200	IFB			09-Dec-16	09-Dec-16 A																																								
GC1210	Award			06-Jul-17	06-Jul-17 A																																								
GC1130	LNTP	10-Aug-17	10-Aug-17 A																																										
GC1110	NTP	08-Dec-17	08-Dec-17 A																																										
GC1220	28th Ave Opening Date			15-Mar-21	15-Mar-21 A	te																																							
GC1230	Station Opening			26-Apr-21	26-Apr-21 A																																								
GC1240	Construction Completion			12-Aug-22	12-Aug-22 A	◆ Construction Completion																																							
GC1180	Gate 7 - Start-Up / Turnover Complete			31-Jan-23*		◆ Gate 7 - Start-Up / Turnover C...																																							
GC1120	Gate 8 - Project Closeout Complete			31-Jan-23	31-May-23*	◆ Gate 8 - Project Closeout Comp...																																							
002113 Guadalupe Bridges Replacement		21-Aug-17	21-Aug-17 A	09-May-25	16-Apr-26	16-Apr-26, 002113: Guadalupe.B...																																							
002113.A10 Project Milestone		21-Aug-17	21-Aug-17 A	09-May-25	16-Apr-26	16-Apr-26, 002113.A10 Project...																																							
A1000	Project Start	21-Aug-17	21-Aug-17 A																																										
A1020	Preliminary Design 35%			30-Apr-20	30-Apr-20 A																																								
A1080	Design 65%			30-Nov-20	30-Nov-20 A																																								
A1120	Environmental Clearance NEPA			27-Apr-21	27-Apr-21 A	ararice NEPA																																							
A1210	95% design			01-Nov-21	01-Nov-21 A	design:																																							
A1220	100% Design			20-Nov-21	20-Nov-21 A	% Design																																							
A1270	Completion of Arbitration with UPRR			07-Apr-22	07-Apr-22 A	◆ Completion of Arbitration with...																																							
A1300	Main Contract Award			06-Oct-22	06-Oct-22 A	◆ Main Contract Award																																							
A1180	LNTP	14-Nov-22	21-Nov-22 A			◆ LNTP																																							
A1190	Gate 6 - Substantial Completion			10-Jan-25	17-Dec-25	◆ Gate 6 - Substantial Completio...																																							
A2340	Gate 7 - Start-Up / Turnover Complete			09-Feb-25	14-Feb-26*	◆ Gate 7 - Start-Up / Turnover C...																																							
A1010	Gate 8 - Project Closeout Complete			09-May-25	16-Apr-26	◆ Gate 8 - Project Closeout Comp...																																							
002146 South San Francisco Station Improvement		12-Jun-17	12-Jun-17 A	31-Dec-22	31-Dec-22	31-Dec-22, 002146: South San F...																																							
002146.A10 Project Milestone		12-Jun-17	12-Jun-17 A	31-Dec-22	31-Dec-22	31-Dec-22, 002146.A10: Project...																																							
M1140	Bid Opening	12-Jun-17	12-Jun-17 A																																										
M1150	Award	03-Aug-17	03-Aug-17 A																																										
M1130	LNTP	09-Oct-17	09-Oct-17 A																																										
M1110	NTP	06-Mar-18	06-Mar-18 A																																										
A1130	Progress Presentation to the TA Board			03-Jan-22	07-Oct-21 A	Progress Presentation to the T...																																							

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

