



Capital Program Quarterly Status Report and DBE Status Report



**2nd Quarter Fiscal Year 2024
(October to December 2023)**

Prepared for the March 07, 2024 Caltrain Board Meeting

Projects in Focus

Concerning (projects with red status lights)

1. 002088 - 25th Avenue Grade Separation

- **Schedule:** Project Closeout has been extended due to the impact of unanticipated environmental monitoring program and ROW survey. Project Manager to seek schedule re-baseline once the ROW survey scope is accurately defined.

2. 002146 - South San Francisco Station Improvement Project

- **Schedule:** UPRR track lost due to construction: Project is still addressing an obligation to Union Pacific Railroad (UPRR) to fund rebuilding of 4,200' of yard track that UPRR lost, due to construction of this project. As an alternative, UPRR will consider a monetary settlement with Caltrain to close out the obligation.

3. 100233 - MP-36 Locomotive Mid-Life Overhaul

- **Schedule:** The schedule has been delayed due to part availability. Alstom is working with multiple vendors to procure the parts needed.

4. 100240 - Ticket Vending Machines (TVM) Rehab

- **Schedule:** Phase 5 completion date has been extended due to contemplating a change order to reduce the number of TVMs to be upgraded in order to replace the chips in the TVMs that were upgraded in Phase 2 & 3. Project Manager to seek approval for Gate 6 & 7 at the January 2024 Management Committee meeting.

5. 100244 - Broadway Burlingame Grade Separation

- **Schedule:** Delay due to right-of-way acquisitions and utility relocations. Right-of-way acquisitions and utility relocations are currently forecasted to delay construction relative to the prior baseline schedule. JPB staff is assessing options to mitigate this delay and will provide updates in future months.

6. 100430 - CCF BCCF Virtualization

- **Schedule:** Project Schedule extended as the current fiber strike situation severely postponed the implementation schedule. Project will go to the Management Committee for approval of Gate 6 and to request schedule re-baseline in May 2024.

7. 100439 - Bayshore Station Overpass Pedestrian Bridge Rehab

- **Schedule:** The project was delayed due to obtaining approval to close the East and West Towers for the Contractor to conduct painting operations through continuous days. The project obtained Board approval on May 4, 2023 for passenger shuttle services to complete the East and West Towers. Opening of the station held on Monday, August 7, 2023. Project Manager to seek approval for Gate 6 & 7 at the February 2024 Management Committee meeting.

8. 100667 - Bernardo Avenue Undercrossing

- **Schedule:** The schedule has been delayed due to a delay in the handoff of the project from Sunnyvale to Caltrain. Caltrain to coordinate with the City of Sunnyvale once 35% design and environmental clearance are completed by the City.

- **Budget:** The EAC is higher than the initial estimate. The City of Sunnyvale and VTA are working together to identify additional funds to complete the construction.

9. 100668 - Mary Ave Grade Separation

- **Schedule:** 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 and a new service agreement is in place. Caltrain will explore potential options to accelerate the project including alternative delivery methods.

10. 100686 - Middle Avenue Undercrossing

- **Schedule/Budget:** Redesign delayed project schedule: Caltrain worked with Menlo Park staff to redesign the locally preferred alternative to relocate the undercrossing ramps outside the operating railroad right of way. Menlo Park City Council approved the revised design at its July 11, 2023 meeting and the City has provided Caltrain with an updated cost estimate. Project is transitioning to Caltrain to advance into final design. Additional alternatives analysis and price escalation are factors contributing to higher costs. Project will re-baseline schedule and budget during final design.

11.100617 - Mountain View Transit Center Grade Separation & Access Project

- **Schedule:** Delay due to need for analyzing Value Engineering options: 65%-95% design is on hold at this time, as the project is conducting "Value Engineering (VE)" to make the project more affordable. Work on revised costs and schedules incorporating potential Value Engineering solutions. City of Mountain View to present feasible options to its City Council Members for further directions. March/April 24 time frame is when the project will go back to Management Committee to proceed from 65% to 95% design along with, scope, budget, and schedule changes.

12. 100762 - San Francisquito Creek North Bank Restoration

- **Schedule:** Timing of a Section 404 permit from the U.S. Army Corps of Engineers (USACE) did not enable construction during the 2023 dry season. Construction of permanent bank stabilization has been postponed until the 2024 dry season. An updated project schedule and budget will be considered by the Management Committee in early 2024, prior to the implementation of the permanent stabilization project.

Watching (projects with yellow status lights)

1. 002113 - Guadalupe River Bridges Replacement and Extension

Funding - The approved funding plan for the project relies on multiple sources including State of Good Repair (SOG) Federal grants. The projected timing for receipt and activation of funds from each source is anticipated to support the ongoing progress and timely completion of the project. The "Funding" status light will remain yellow until FY25 funding appropriated by the Board in May 2024 is activated.

Safety: On 10/26/23, a 40-foot tree fell across the tracks during a tree felling operation due to inadequate controls. There were no injuries or impacts to operations. However, handrails on both sides of the Guadalupe River Bridge were damaged. Investigation, reporting, and lessons learned are in progress.

2. 100233 - MP-36 Locomotive Mid-Life Overhaul

-**Budget/Funding:** A potential budget shortfall has been identified. Team is actively tracking this item and will seek supplemental funding as part of the FY25 budget amendment if needed.

3. 100403 - Broadband Wireless Communications System

- **Funding:** The current activated funds are insufficient to cover the entire construction phase. The "Funding" status light will remain yellow until the remaining funds are activated.

4. 100410 - Whipple Avenue Grade Separation Study

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

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

- **Funding:** Insufficient activated Funds to cover the entire construction phase. Activate the FY24 and FY25 approved budget.

6. 100522 - Watkins Ave Grade Crossing Safety Improvements

- **Schedule:** Additional time is needed by the contractor to finish the project because of the delay in receiving the light poles and to complete the punchlist. Project Manager to seek approval for Gate 6 & 7 at the January 2024 Management Committee meeting.

7. 100676 - San Mateo Replacement Parking Track

- **Funding:** Additional funding is required to be activated to cover construction phase of the project. The project went to the Management Committee in November 2023 to request transfer of \$1.5M from 25th Ave project to this project. Worked with SMCTA to request amendment to the grant term for the funds. Transfer of the funds is underway by Budgets.

8. 100684 - Mini-High Platforms




- **Schedule:** The remaining un-activated funds for the project relies on FY25 approved budget. Await for the funds to be activated in July 2024.

9. 100785 - 4th & King Yard Preparation (4KY)

- **Schedule:** The separation of the project into two packages caused the delay. The separation allows Package B to go through procurement of a CM/GC contract while Package A will continue with design for a DBB contract. We are working with TIPA to develop an agreed upon, joint project schedule. We can look into rebaselining the schedule when it is complete.

Performance Summary

Table S1. Projects in each status light by performance category

Status Light	Safety	Schedule	Budget	Funding
 Green	97.2%	58.3%	91.7%	83.3%
 Yellow	2.8%	8.3%	2.8%	16.7%
 Red	0.0%	33.3%	5.6%	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	16	44.4%
Improved	1	2.8%
Got worse	9	25.0%
Stayed the same (except all green)	10	27.8%
Total Projects	36	

Note: Table S1 and S2 do not include projects with deferred funding.

Table S3. Individual Projects

Project Number	Title	Safety		Schedule		Budget		Funding		Page
		Q1	Q2	Q1	Q2	Q1	Q2	Q1	Q2	
CONSTRUCTION/IMPLEMENTATION										
ROW Bridges										
002113	Guadalupe River Bridges Replacement and Extension	●	●	●	●	●	●	●	●	7
100439	Bayshore Station Overpass Pedestrian Bridge Rehab	●	●	●	●	●	●	●	●	14
100762	San Francisquito Creek North Bank Restoration	●	●	●	●	●	●	●	●	19
Stations										
100761	Level Boarding Roadmap (Study)	●	●	●	●	●	●	●	●	25
ROW Grade Crossings										
100426	Churchill Avenue Grade Crossing	●	●	●	●	●	●	●	●	29
100522	Watkins Ave Grade Crossing Safety Improvements	●	●	●	●	●	●	●	●	32
100566	San Mateo Grade Crossing Improvements	●	●	●	●	●	●	●	●	35
ROW Communications & Signals										
100403	Broadband Wireless Communications System	●	●	●	●	●	●	●	●	40
100432	Migration to Digital Voice Radio System	●	●	●	●	●	●	●	●	44
100449	Next Generation Visual Messaging Sign (VMS)	●	●	●	●	●	●	●	●	47
100572	Communication System SOGR	●	●	●	●	●	●	●	●	50
Fare Collection										
100240	Ticket Vending Machines (TVM) Rehab	●	●	●	●	●	●	●	●	54
Miscellaneous										
100233	MP-36 Locomotive Mid-Life Overhaul Project	●	●	●	●	●	●	●	●	60
100430	CCF BCCF Virtualization	●	●	●	●	●	●	●	●	64
100445	Automatic Passenger Counters at San Francisco 4th & King Station	●	●	●	●	●	●	●	●	68
100676	San Mateo Replacement Parking Track	●	●	●	●	●	●	●	●	72
100684	Mini-High Platforms	●	●	●	●	●	●	●	●	75
DESIGN (includes Preliminary and Final Design, and Procurement)										
Grade Separations										
002152	South Linden & Scott Grade Separation	●	●	●	●	●	●	●	●	79
100244	Broadway Burlingame Grade Separation	●	●	●	●	●	●	●	●	82
100482	Rengstorff Grade Separation	●	●	●	●	●	●	●	●	86
100617	Mountain View Transit Center Grade Separation & Access Project	●	●	●	●	●	●	●	●	90
Stations										
100459	22nd Street ADA Improvement	●	●	●	●	●	●	●	●	95
ROW Bridges										
100759	San Francisquito Creek Bridge Acoustic Monitoring System	●	●	●	●	●	●	●	●	99
ROW Communications & Signals										
100614	Predictive Arrival/Departure System (PADS) Replacement	●	●	●	●	●	●	●	●	103
Miscellaneous										
100780	MS4 Trash Management	●	●	●	●	●	●	●	●	107
100785	4th & King Yard Preparation (4KY)	●	●	●	●	●	●	●	●	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	●	●	●	●	●	●	●	●	115
100667	Bernardo Avenue Undercrossing	●	●	●	●	●	●	●	●	117
100668	Mary Ave Grade Separation	●	●	●	●	●	●	●	●	119
100686	Middle Avenue Undercrossing	●	●	●	●	●	●	●	●	122
100687	Downtown Rail Extension (DTX)	●	●	●	●	●	●	●	●	125
100733	North Fair Oaks Bike and Pedestrian Crossing	●	●	●	●	●	●	●	●	128
100776	Connecting Palo Alto		●		●		●		●	132
ROW Bridges										
100427	San Francisquito Creek Bridge Conceptual Design & Community Engagement	●	●	●	●	●	●	●	●	136
CLOSEOUT (includes Start-up/Turnover and Closeout)										
Grade Separations										
002088	25th Avenue Grade Separation	●	●	●	●	●	●	●	●	141
Stations										
002146	South San Francisco Station Improvement	●	●	●	●	●	●	●	●	147
Projects with Deferred Funding										
ROW Grade Crossings										
100563	FY21-22 Grade Crossing Improvements									153
Miscellaneous										
100564	Enterprise Asset Management (EAM) Software System									157
100565	Update and Upgrade GIS System									160

Note: The Total EAC (Estimated at Completion) for the projects shown above is \$2,957,500,383.









CONSTRUCTION / IMPLEMENTATION
ROW Bridges

Guadalupe River Bridges Replacement and Extension

Project No. **002113**

Table 1. Status Summary and Total Project Performance

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

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

Progress (%)	Change Prev. Qtr.	EAC/Budget
50.7%	9.59%	100%

Funding - The approved funding plan for the project relies on multiple sources including State of Good Repair (SOG) Federal grants. The projected timing for receipt and activation of funds from each source is anticipated to support the ongoing progress and timely completion of the project. The "Funding" status light will remain yellow until FY25 funding appropriated by the Board in May 2024 is activated.

Safety: On 10/26/23, a 40-foot tree fell across the tracks during a tree felling operation due to inadequate controls. There were no injuries or impacts to operations. However, handrails on both sides of the Guadalupe River Bridge were damaged. Investigation, reporting, and lessons learned are in progress.

SCOPE Summary

The purpose of the project is to address the structural vulnerability of two existing bridges, MT1 and MT2, spanning the Guadalupe River in San Jose by widening and stabilizing the underlying river channel and upgrading and extending the bridge structures to ensure long-term public safety and service reliability. The work consists of:

- Full replacement of the existing 187-foot wooden pile MT1 bridge with a modern 265-foot bridge.
- Partial replacement, upgrade, and extension of the existing MT2 bridge to achieve a modern 250-foot bridge.
- Relocation of communications and fiber optic lines and extensive channel grading and stabilization.

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	1	2
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	04/27/23	04/27/23	0	0
Completion of IFB & Board Award	10/06/22	10/06/22	0	0
Executing Contract & LNTP	11/21/22	11/21/22	0	0
PCEP Completes Removal of MT2 OCS	02/08/23	02/08/23	0	0
Return of MT2 to PCEP for OCS Reinstallation	10/21/23	10/21/23	0	0
ACE Cost Sharing Agreement	12/31/23	12/15/23	16	0
UPRR Construction & Maintenance Agreement	03/01/24	03/01/24	0	0
Gate 6 – Substantial Completion	09/08/25	01/17/25	234	0
Gate 7 – Start-up/Turnover	10/08/25	02/16/25	234	0
Gate 8 – Closeout	12/07/25	05/16/25	205	0

Guadalupe River Bridges Replacement and Extension

Project No. **002113**

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

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100	1,800	3,211	5,011	5,011	0	0.0%
Environmental	1200	0	1,915	1,915	1,915	0	0.0%
Real Estate	2100	0	106	106	106	0	0.0%
Utilities Relocations	2200	0	1	1	1	0	0.0%
Const./Impl. Contracts	3100	0	30,955	30,955	30,955	0	0.0%
Construction Management	4100	0	5,384	5,384	5,384	0	0.0%
Design Support During Const.	4200	0	1,519	1,519	1,519	0	0.0%
Testing & Commissioning	4300	0	0	0	0	0	
Agency/ODCs	5000	0	1,131	1,131	1,131	0	0.0%
Project Management	5100	500	2,875	3,375	3,375	0	0.0%
Project & Document Control	5200	0	648	648	648	0	0.0%
Finance/Accounting	5300	0	46	46	46	0	0.0%
Contracts & Procurement	5400	0	38	38	38	0	0.0%
Legal	5500	0	2,330	2,330	2,330	0	0.0%
Information Technology	5600	0	0	0	0	0	
Communications/P. Relations	5700	0	49	49	49	0	0.0%
Human Resources	5800	0	0	0	0	0	
Safety/Security & Risk Mgmt.	5900	0	270	270	270	0	0.0%
Equip./Material Purchases	6100	0	104	104	104	0	0.0%
CBOSS / PTC TOW	7000	0	52	52	52	0	0.0%
CalMod Program	7100	0	1,352	1,352	1,352	0	0.0%
Stations, Stops, Terminals, In	7300	0	0	0	0	0	
ROW, Land, Existing Improvement	7600	0	575	575	575	0	0.0%
Professional Services	7800	0	305	305	305	0	0.0%
Oper. Support	8100	0	2,206	2,206	2,206	0	0.0%
Subtotals	NA	2,300	55,073	57,373	57,373	0	0.0%
Unknown Risks	NA	NA	NA	NA	6,326	0	0.0%
Unallocated Contingency	9900		6,326	6,326	NA		
Grand Totals	NA	2,300	61,399	63,699	63,699	0	0.0%

(*) ICAP already included in totals above	92	2,456	2,548	2,548	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.

Guadalupe River Bridges Replacement and Extension

Project No. **002113**

Table 5. FUNDING (in thousands of \$)

Fund Source Title	Type	Board Approved			Activated Funding (D)	Un-activated Amount (E=C-D)
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
Member Agency Funds - SMCTD	Local	100		100	100	0
Member Agency Funds-- Santa Clara-VTA General Funds	Local	400		400	400	0
Member Agency Funds-SFCTA (Prop L, previously called Prop K)	Local	1,828		1,828	1,828	0
FTA Section 5337 (State of Good Repair)	Federal	9,880	32,511	42,391	21,848	20,543
Member Agency Funds-- Santra Clara-VTA (SOGR)	State	193	5,562	5,754	590	5,164
Member Agency Funds-SFCTA (Prop L, previously called Prop K)	Local		1,964	1,964	1,964	0
STA SOGR	State		893	893		893
Altamont Corridor Express (ACE)/San Joaquin Regional Rail Commission (SJRRRC)	Local		1,330	1,330		1,330
Regional Bridge Tolls (AB664)	Local		77	77		77
UPRR (pending arbitration settlement)	Local		4,257	4,257		4,257
Local Partnership Program - Formulaic	State		4,606	4,606	4,606	0
Totals		12,400	51,198	63,598	31,335	32,263

Guadalupe River Bridges Replacement and Extension

Project No. **002113**

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
Alleged Confined Aquifer	<p>JPB Construction Management and JPB Engineering</p> <p>In June 2023, Walsh Construction allegedly encountered a confined aquifer while constructing one of the 7-foot diameter cast-in-drilled-hole pile foundations for MT2. Citing a potential differing site condition, Walsh Construction stopped work on the subject foundations.</p>	The Engineer of Record has confirmed its original design in light of subsurface information provided by Walsh. Walsh completed the foundations based on the contract drawings and specifications without issue. Therefore, there is no apparent basis for a differing site condition claim.	None	Low
3rd Party Fiber Optic Relocation	<p>JPB Legal / Sr. Management</p> <p>UPRR must cause their existing fiber optic utility tenants to relocate their lines from MT1 to MT2 to enable the demolition of MT1. UPRR and their fiber carriers have verbally agreed on a construction sequencing approach. UPRR is currently updating the language in the draft JPB-UPRR Construction & Maintenance Agreement to reflect tentative agreements between UPRR and their carrier tenants.</p>	JPB's legal team is expediting execution of the Construction & Maintenance Agreement to prevent the lack of agreement from undermining progress. In parallel, JPB's Utility Coordinator is assisting UPRR and its carriers with scheduling the construction of fiber conduits and vaults in JPB right-of-way.	\$ 100 TBD	Med
UPRR Dispute of Settlement and/or Design Changes	<p>JPB Legal / Sr. Management</p> <p>JPB Board approved a negotiated settlement between UPRR and JPB on 9/1/2022. UPRR deemed the Guadalupe River Bridge Replacement Project design as Approved on 2/18/2023. However, on 11/19/2023, UPRR requested changes to the design to allow for the penalization, removal, stockpile, and reuse of the existing MT1 track materials. JPB and its contractor have assessed this approach and found it unsafe to implement on the narrow MT1 bridge.</p>	UPRR is evaluating other options for track removal but has declined to execute the Construction & Maintenance agreement until the issue is resolved. Delaying the agreement threatens the schedule for MT1 bridge demolition and replacement. The UPRR and JPB track teams have agreed to meet on site in early January 2024.	\$ 600 12 months	High

Guadalupe River Bridges Replacement and Extension

Project No. **002113**

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

Issue Title	Responsibility Status	Action	Resolution Date
Habitat Mitigation and Monitoring Plan (HMMP)	<p>JPB Environmental and JPB Construction Management</p> <hr/> <p>The HMMP for the project was developed and approved by regulatory agencies after the award of the construction contract. The scope of the HMMP is substantially greater than the scope envisioned at the time of the Invitation for Bids.</p>	<p>JPB is in discussions with Valley Water about implementing HMMP measures on Valley Water land. These discussions may warrant revisions to the HMMP. If so, JPB will use this opportunity to revisit the scope of the HMMP to reduce the overall cost impact to the project.</p>	6/1/2024
Design Changes per UPRR Review	<p>JPB Project Manager and JPB Construction Management</p> <hr/> <p>Through its review of the Guadalupe River Bridge Replacement Project design, UPRR directed multiple changes to the MT1 bridge structural design. These changes are the subject of a likely change order, or multiple change orders, to the active construction contract.</p>	<p>JPB's construction management team is following the change order process. Where specific changes imply significant costs and/or deviate from UPRR's alternative design, there may be an opportunity to discuss these changes with UPRR for potential design revision or cost reimbursement.</p>	2/1/2024
Delay in availability of funding.	<p>JPB Project Manager</p> <hr/> <p>The approved funding plan for the project relies on multiple sources including State of Good Repair (SOGR) Federal grants. The projected timing for receipt and activation of funds from each source is anticipated to support the ongoing progress and timely completion of the project.</p>	<p>The "Funding" status light will remain yellow until FY25 funding appropriated by the Board in May 2024 is activated.</p>	6/1/2024

KEY ACTIVITIES - Current Reporting Quarter

Construction activities included progress on the completion of MT2 bridge punchlist items, the installation of substantial erosion control best management practices (BMPs), the installation of a bioswale, and preparations for the installation of bird deterrent systems to prevent nesting on the MT1 bridge, which is scheduled to be demolished in mid-2024. The PCEP contractor continues with reinstallation of the OCS system. Third-party fiber optic carriers commenced work on facilities to enable the relocation of fiber optic lines from MT1 to MT2 to enable the demolition of MT1 bridge.

NEXT KEY ACTIVITIES

JPB anticipates the installation of drainage system elements, the continuation of installation of permanent erosion control measures, the completion of MT2 bridge punch-list items, the installation of JPB's positive train control cabling, and the continuation of third-party fiber optic utility relocations. A partnering session will be held with the construction contractor in mid-January to promote communication and collaborative planning for the upcoming demolition and reconstruction of the MT1 bridge in 2024.

PROJECT NOTES

None.

Guadalupe River Bridges Replacement and Extension

Project No. **002113**

PROJECT PHOTOS



Photo 1 - Partially erected MT2 bridge



Photo 2 - New track on erected MT2 bridge

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	Y	R	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
98.11%	0.00%	100%

Schedule - The project was delayed due to obtaining approval to close the East and West Towers for the Contractor to conduct painting operations through continuous days. The project obtained Board approval on May 4, 2023 for passenger shuttle services to complete the East and West Towers. Opening of the station held on Monday, August 7, 2023. Project Manager to seek approval for Gate 6 & 7 at the February 2024 Management Committee meeting.

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	1
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	02/28/24	-455	-121
Gate 7 – Start-up/Turnover	12/31/22	02/28/24	-424	-90
Gate 8 – Closeout	03/31/23	05/30/24	-426	-120

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	-72	220	220	0	0.0%
Environmental	1200	0		0	0	0	
Real Estate	2100	206	141	347	347	0	0.0%
Construction ODCs	2300	0	515	515	515	0	0.0%
Const./Impl. Contracts	3100	2,067	612	2,679	2,679	0	0.0%
Construction Management	4100	1,162	621	1,783	1,783	0	0.0%
Design Support During Const.	4200	0		0	0	0	
Testing & Commissioning	4300	0		0	0	0	
Agency/ODCs	5000	27	180	206	206	0	0.0%
Project Management	5100	77	290	367	367	0	0.0%
Project & Document Control	5200	356	-231	125	125	0	0.0%
Finance/Accounting	5300	107	-71	35	35	0	0.0%
Contracts & Procurement	5400	71	-17	55	55	0	0.0%
Legal	5500	47	51	97	97	0	0.0%
Information Technology	5600	0	0	0	0	0	
Communications/P. Relations	5700	55	-39	16	16	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	11	425	425	0	0.0%
Subtotals	NA	4,880	1,990	6,870	6,870	0	0.0%
Unknown Risks	NA	NA	NA	NA	0	0	
Unallocated Contingency	9900	1,990	-1,990	0	NA	0	
Grand Totals	NA	6,870	0	6,870	6,870	0	0.0%

(*) ICAP already included in totals above	277		277	277	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.

Bayshore Station Overpass Pedestrian Bridge Rehab

Project No. **100439**

Table 5. FUNDING (in thousands of \$)

Fund Source Title	Type	Board Approved			Activated Funding (D)	Un-activated Amount (E=C-D)
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
Member Agency Funds-- Santa Clara-VTA General Funds	Local	10		10	10	0
SAMTR CCF Contr Prepaid	Local	214		214	214	0
Member Agency Funds-- SFCTA (Prop L, previously called Prop K)	Local	300		300	300	0
Member Agency Funds-- SFCTA (Prop L, previously called Prop K)	Local	706		706	706	0
State of Good Repair (STA SGR)	State	1,135		1,135	1,135	0
Member Agency Funds-- Santra Clara-VTA (SOGR)	State	1,157		1,157	1,157	0
FY22 STA SOGR PCJPB	State	230		230	230	0
Local Partnership Program - Formulaic	State	3,118		3,118	3,308	-190
Totals		6,870	0	6,870	7,060	-190

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
Project Delay in Completion.	Project Manager/Construction Management ----- The project was delayed due to obtaining approval to close the East and West Towers for the Contractor to conduct painting operations through continuous days. The project obtained Board approval on May 4, 2023 for passenger shuttle services to complete the East and West Towers. Opening of the station held on Monday, August 7, 2023.	Project Manager to seek approval for Gate 6 & 7 at the February 2024 Management Committee meeting.	02/28/24

Bayshore Station Overpass Pedestrian Bridge Rehab

Project No. **100439**

KEY ACTIVITIES - Current Reporting Quarter

Continued to work with the Construction Management team and Contractor Top Line Engineers in conducting pre-substantial inspections at the both the East and West Towers. Towers have been opened as of August 7th, 2023 to the public and the project is approaching the substantial completion phase. Continued to work with the team in completing final punch list items: replace window trims and panels at East and West Towers.

NEXT KEY ACTIVITIES

Continue to work with Construction Management team in all the administrative work to close out the contract and project. Continue to work with Project Controls team in updating Work Plan to present to Management Committee.

PROJECT NOTES

None.

PROJECT PHOTOS



Photo 1 - West Side Containment System



Photo 2 - East Side Containment System

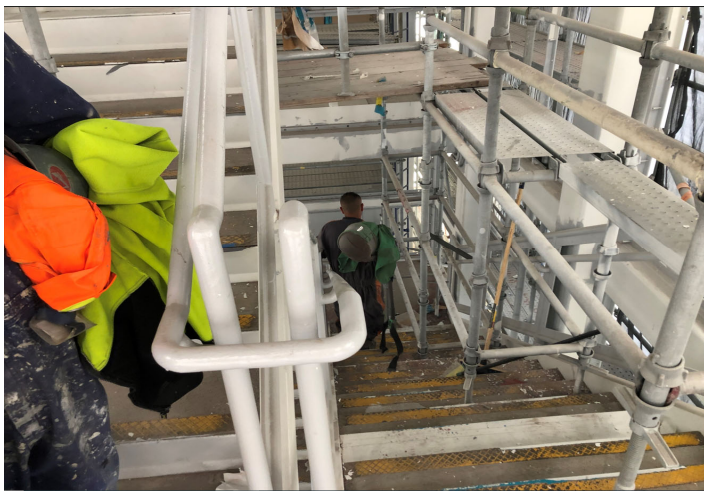


Photo 3 - West Tower Paint Layer

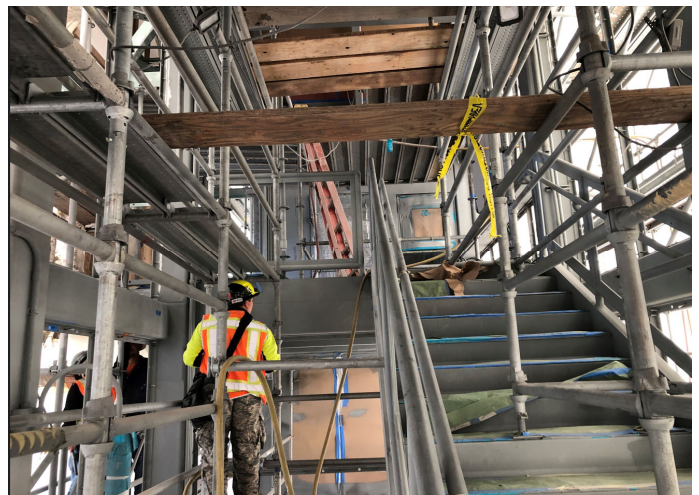


Photo 4 - East Tower Paint Preparation

San Francisquito Creek North Bank Restoration

Project No. 100762

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
NA	NA	100%

Timing of a Section 404 permit from the U.S. Army Corps of Engineers (USACE) did not enable construction during the 2023 dry season. Construction of permanent bank stabilization has been postponed until the 2024 dry season. An updated project schedule and budget will be considered by the Management Committee in early 2024, prior to the implementation of the permanent stabilization project.

SCOPE Summary

Stabilize and protect the northern bank of the San Francisquito Creek to prevent erosion from undermining the northern abutment of Caltrain's existing San Francisquito Creek Bridge, the northern foundations of the Alma Street Bicycle Bridge owned by the City of Palo Alto, and an existing drainage outfall owned by the City of Menlo Park.

Project Manager: Mike Boomsma
 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)
Main Contract Award Board Approval	03/29/23	03/29/23	0	0
Gate 1 - Project Initiation	04/27/23	04/27/23	0	0
Gate 2 - 15% Development Complete	05/22/23	05/22/23	0	0
Gate 3 - 35% Development Complete	05/24/23	05/24/23	0	0
IFB	06/01/23	05/24/23	8	0
Gate 4 - 65% Development Complete	07/05/23	07/05/23	0	0
Gate 5 - 100% Development/IFB Complete	08/11/23	07/20/23	22	0
NTP	09/01/23	09/07/23	-6	0
ROW Permits Complete	09/06/23	09/11/23	-5	0
Temporary Stabilization Complete	11/22/23	11/22/23	0	0
Environmental Clearance Complete	09/06/23	03/31/24	-207	-76
Gate 6 - Substantial Completion	12/31/23	11/14/24	-319	0
Gate 7 - Start-Up / Turnover Complete	01/31/24	11/14/24	-288	0
Gate 8 - Project Closeout Complete	05/01/24	12/30/24	-243	0

San Francisquito Creek North Bank Restoration

Project No. 100762

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	214	84	298	298	0	0.0%
Environmental	1200	259	0	259	259	0	0.0%
Real Estate	2100	5	0	5	5	0	0.0%
Utilities Relocations	2200	0	0	0	0	0	
Construction ODCs	2300	0	0		0		
Const./Impl. Contracts	3100	1,200	1,800	3,000	3,000	0	0.0%
Construction Management	4100	426	201	627	627	0	0.0%
Design Support During Const.	4200	0	0	0	0	0	
Testing & Commissioning	4300	0	0	0	0	0	
Agency/ODCs	5000	299	125	424	424	0	0.0%
Project Management	5100	360	-100	260	260	0	0.0%
Project & Document Control	5200	104	0	104	104	0	0.0%
Finance/Accounting	5300	0	0	0	0	0	
Contracts & Procurement	5400	100	0	100	100	0	0.0%
Legal	5500	366	-82	284	284	0	0.0%
Information Technology	5600	0	0	0	0	0	
Communications/P. Relations	5700	10	0	10	10	0	0.0%
Human Resources	5800	0	0	0	0	0	
Safety/Security & Risk Mgmt.	5900	90	0	90	90	0	0.0%
Equip./Material Purchases	6100	0	0	0	0	0	
CalMod Program	7100	10	0	10	10	0	0.0%
Oper. Support	8100	10	146	156	156	0	0.0%
Undefined and others		100	-100	0	0		
Subtotals	NA	3,552	2,073	5,626	5,626	0	0.0%
Risks (known & unknown)	NA	NA	NA	NA	842		
Contingency	9900	1,776	-934	842	NA	0	0.0%
Grand Totals	NA	5,329	1,139	6,468	6,468	0	0.0%
(*) ICAP already included in totals above		205	44	249	249	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.

San Francisquito Creek North Bank Restoration

Project No. 100762

Table 5. FUNDING (in thousands of \$)

Fund Source Title	Type	Board Approved			Activated Funding (D)	Un-activated Amount (E=C-D)
		Original (A)	Changes (B)	Current (C=A+B)		
		SAMTR Non CCF Prepaid	Local	2,490		2,490
VTA CCF Contr Prepaid	Local	166		166	166	0
SAMTR CCF Contr Prepaid	Local	1,319		1,319	1,319	0
Measure RR Capital	Local	390		390	390	0
FY21 VTA STA SOGR Capital	Local	81		81	81	0
FY23 STA - Capital (PCJPB)	Local	30		30	30	0
City of Palo Alto	Local	836		836		836
City of Menlo Park	Local	836		836		836
Capital Contingency Fund - Rail	Local	321		321		321
Totals		6,468	0	6,468	4,476	1,993

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
Project Scope	JPB Project Manager	Most permits have been received with negligible impact to the scope of the project. The updated quantification (at right) accounts for the partial mitigation of this risk. If the final Section 404 permit does not affect the project scope, then this risk will be closed out entirely.	\$ 500	Low
	Due to the trilateral nature of the joint project, combined with the need for regulatory approvals in an environmentally sensitive location, the project scope is subject to influence by multiple entities. Stakeholder input and permit conditions could increase the scope and cost of the project.		90	

San Francisquito Creek North Bank Restoration

Project No. 100762

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

Issue Title	Responsibility Status	Action	Resolution Date
Permit Delays	JPB Environmental / JPB Project Manager <hr/> Timing of a Section 404 permit from the U.S. Army Corps of Engineers (USACE) did not enable construction during the dry season ending 10/15/2023. Construction of permanent bank stabilization has been postponed until the dry season beginning 6/15/2024.	An updated project schedule and budget will be considered by the Management Committee in early 2024, prior to the implementation of the permanent stabilization project.	3/31/2024
Temporary Stabilization	JPB Project Manager <hr/> For reasons discussed in this report, the permanent stabilization project has been postponed from the 2023 dry season to the 2024 dry season, which will subject the creek bank to continued erosion during the 2023-2024 wet season. The October 2023 report noted that, "To mitigate the risk of continued erosion undermining Caltrain's rail bridge, the project team is preparing a temporary stabilization solution to be implemented if conditions warrant. However, the design, preparation, and potential implementation of this temporary solution will increase the cost of the project relative to previous estimates." On November 18, 2023, the JPB Executive Director issued an emergency declaration which included a directive to implement the temporary stabilization solution. The temporary stabilization measures were implemented on November 22, 2023.	An updated project budget will be considered by the Management Committee in early 2024, prior to the implementation of the permanent stabilization project.	3/31/2024

KEY ACTIVITIES - Current Reporting Quarter

JPB Executive Director issued an emergency declaration requiring temporary stabilization measures to be implemented to protect the San Francisquito Creek Bridge from 2023-2024 winter storms. JPB staff prepared an emergency stabilization design, performed hydraulic modeling to confirm that the design would not increase flood risk to the surrounding communities, and implemented the temporary stabilization measures on November 22, 2023 in close coordination with JPB operations and safety, and the Cities of Menlo Park and Palo Alto. JPB Project Manager minimized costs while preparing for the implementation of the permanent stabilization project during the 2024 dry season. JPB staff continued the pursuit of a Section 404 permit from the USACE.

NEXT KEY ACTIVITIES

JPB staff will continue coordination with permitting authorities in preparation for implementation of the permanent stabilization project during the 2024 dry season. On-site activities are anticipated to include routine visual inspections, field survey, and archaeological corings requested by the USACE.

San Francisquito Creek North Bank RestorationProject No. **100762****PROJECT NOTES**

The "Baseline Completion" schedule in Table 3 reflects the Baseline Schedule approved by the Management Committee on 8/30/2023, which is no longer achievable for reasons discussed above. The "Est. or Actual Completion" schedule has been updated to reflect the delay of permanent construction from the 2023 dry season to the 2024 dry season. The "Estimate at Completion" in Table 4 and "Funding" in Table 9 are subject to ongoing review as the team incorporates the costs of the November 2023 temporary stabilization, plans the permanent stabilization project for mid-2024, updates corresponding cost forecasts, and aligns funding sources. An updated Work Plan will be presented to the Management Committee for consideration in early 2024, prior to the implementation of the permanent stabilization project.

PROJECT PHOTOS

Photo 1 - Eroding north bank of the San Francisquito Creek under Caltrain's bridge (left) and the Alma Street Bicycle Bridge (right)

**CONSTRUCTION / IMPLEMENTATION
Stations**

Level Boarding Roadmap (Study)

Project No. 100761

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
NA	NA	100%

SCOPE Summary

This study will look at the optimal design for level boarding at all Caltrain stations. Currently, Caltrain has two passenger car types with different height doors. Passengers are required to use steps to ascend from 8" high platforms. Once the railroad is electrified and new trains are in service there will be an automatic step that deploys for boarding, and mini-high platforms will be used to bridge to the train for passengers who queue at the mini-high. The study will look at all factors including boarding interface and how it interreacts with various rolling stock (Caltrain EMU, freight and possibly high speed rail). It will also look at platforms individually in some cases, due to large variations in platform configuration such as the very short (College Park) and those that use the "hold-out rule". It will also examine construction methods at a very high level, for example examining whether catenary poles must be lifted and re-cabled, or whether this as well as other major cost elements can be mitigated. There may be improvements to the station environment that are efficiently carried out as part of a major construction project, for example improved signage, that may be studied. The end product of this study will be design criteria, a rough cost estimate and an examination of the paths forward to fund and implement system-wide level boarding.

Project Manager: Lisa Cobb
 Capital Development and Delivery Project Manager: TBD
 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	03/23/23	03/23/23	0	0
Gate 8 - Project Closeout Complete	06/30/25	06/30/25	0	0

Level Boarding Roadmap (Study)

Project No. 100761

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	768	0	768	768	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		0		
Const./Impl. Contracts	3100	5	0	5	5	0	0.0%
Construction Management	4100	0	0	0	0	0	
Design Support During Const.	4200	0	0	0	0	0	
Testing & Commissioning	4300	0	0	0	0	0	
Agency/ODCs	5000	0	0	0	0	0	
Project Management	5100	0	0	0	0	0	
Project & Document Control	5200	20	0	20	20	0	0.0%
Finance/Accounting	5300	4	0	4	4	0	0.0%
Contracts & Procurement	5400	0	0	0	0	0	
Legal	5500	0	0	0	0	0	
Information Technology	5600	0	0	0	0	0	
Communications/P. Relations	5700	0	0	0	0	0	
Human Resources	5800	0	0	0	0	0	
Safety/Security & Risk Mgmt.	5900	0	0	0	0	0	
Equip./Material Purchases	6100	0	0	0	0	0	
CalMod Program	7100	0	0	0	0	0	
Oper. Support	8100	0	0	0	0	0	
Undefined and others		3	0	3	3		
Subtotals	NA	801	0	801	801	0	0.0%
Risks (known & unknown)	NA	NA	NA	NA	240	0	0.0%
Contingency	9900	240	0	240	NA		
Grand Totals	NA	1,041	0	1,041	1,041	0	0.0%
(*) ICAP already included in totals above		40	0	40	40	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 Title	Type	Board Approved			Activated Funding	Un-activated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
Member Agency Funds - SMCTD (San Mateo County Transit District)	Local	51	0	51	51	0
SMCTA	Local	1,040	0	1,040	520	520
Totals		1,091	0	1,091	571	520

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

Level Boarding Roadmap (Study)

Project No. 100761

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

Issue Title	Responsibility Status	Action	Resolution Date

KEY ACTIVITIES - Current Reporting Quarter

Task force for determining the platform offset and height has begun. In November, the team continued safety analysis which continued for a series of sessions reviewing and categorizing platform hazards.

NEXT KEY ACTIVITIES

Task force meetings continue, with a field trip to Diridon to test platform dimensions with a dummy platform next to the EMU.

PROJECT NOTES

**CONSTRUCTION / IMPLEMENTATION
ROW Grade Crossings**

Churchill Avenue Grade Crossing

Project No. **100426**

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
52.98%	0.70%	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: Angela Myrechuck
 Principal Designer: RSE
 Const. Contractor: Stacy and Witbeck, 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)
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	08/03/23	08/03/23	0	0
LNTP	09/01/23	09/08/23	-7	0
Gate 6 - Substantial Completion	04/30/24	05/07/24	-7	0
Gate 7 - Startup/Turnover Complete	05/31/24	06/07/24	-7	0
Gate 8 - Project Closeout Complete	08/31/24	09/07/24	-7	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	153	303	303	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	0	0	0	
Const./Impl. Contracts	3100	1,500	-1,097	403	403	0	0.0%
Construction Management	4100	200	-10	190	190	0	0.0%
Design Support During Const.	4200	30	10	40	40	0	0.0%
Testing & Commissioning	4300	0	0	0	0	0	
Agency/ODCs	5000	0	68	68	68	0	0.0%
Project Management	5100	400	70	470	470	0	0.0%
Project & Document Control	5200	40	132	172	172	0	0.0%
Finance/Accounting	5300	0	10	10	10	0	0.0%
Contracts & Procurement	5400	0	42	42	42	0	0.0%
Legal	5500	15	17	32	32	0	0.0%
Information Technology	5600	0	0	0	0	0	
Communications/P. Relations	5700	0	30	30	30	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	80	-50	30	30	0	0.0%
Subtotals	NA	2,415	-575	1,840	1,840	0	0.0%
Risks (known & unknown)	NA	NA	NA	NA	680		
Contingency	9900	105	575	680	NA	0	0.0%
Grand Totals	NA	2,520	0	2,520	2,520	0	0.0%

(*) ICAP already included in totals above 125 0 125 125 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 Title	Type	Board Approved			Activated Funding	Unactivated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
Public Utilities Commission Programs (Section 130)	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
None.	-----		\$ -	

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

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

KEY ACTIVITIES - Current Reporting Quarter

NTP was issued for Construction start on October 27th. Stacy and Witbeck, Inc. work is currently on hold awaiting completion of City of Palo Alto work that is a predecessor to JPB work. Resident Engineer, Office Engineer and field inspector continue to support project through the construction management support contract with TRC. CM Team is holding weekly progress meetings as needed during this delay. PM and Government and Community affairs staff continue to coordinate community outreach efforts between City of Palo Alto and JPB. Ongoing bi-weekly progress meetings being held with TASI for signal construction scope. PM worked with Caltrans to request funding extension from December 2023 to December of 2024, which has been fully executed.

NEXT KEY ACTIVITIES

Stacy and Witbeck, Inc. work is currently on hold awaiting completion of City of Palo Alto work that is a predecessor to JPB work. Work is not likely to resume until March or April, 2024, awaiting updates from the City of Palo Alto.

PROJECT NOTES

None.

PROJECT PHOTOS



Photo 1 - Churchill Ave

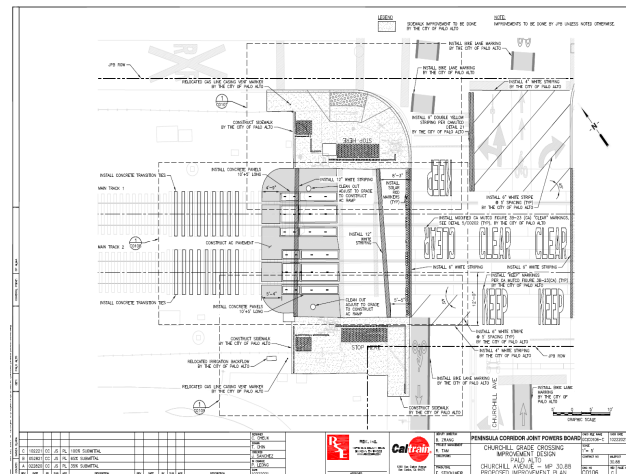


Photo 2 - Churchill Ave Grade Crossing Improvements

Watkins Ave Grade Crossing Safety Improvements

Project No. **100522**

Table 1. Status Summary and Total Project Performance

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

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

Progress (%)	Change Prev. Qtr.	EAC/Budget
90.65%	13.59%	100%

Additional time is needed by the contractor to finish the project because of the delay in receiving the light poles and to complete the punchlist. Project Manager to seek approval for Gate 6 & 7 at the January 2024 Management Committee meeting.

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	0
NTP	02/06/23	01/03/23	34	34
Gate 6 - Substantial Completion	12/01/23	01/25/24	-55	-55
Gate 7 - Start-Up / Turnover Complete	01/31/24	01/25/24	6	6
Gate 8 - Project Closeout Complete	03/01/24	04/30/24	-60	-60

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	
Construction ODCs	2300	0	416	416	416	0	0.0%
Const./Impl. Contracts	3100	2,000	-1,251	749	749	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	
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	
Communications/P. Relations	5700	0	10	10	10	0	0
Human Resources	5800	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	
CalMod Program	7100	0	0	0	0	0	
Oper. Support	8100	100	400	500	500	0	0
Subtotals	NA	3,615	-316	3,299	3,299	0	0
Risks (known & unknown)	NA	NA	NA	NA	861		
Contingency	9900	560	301	861	NA	0	0
Grand Totals	NA	4,175	-14	4,161	4,161	0	0

(*) ICAP already included in totals above

	126	0	126	126	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 Title	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
Member Agency Funds--Santra Clara-VTA General Funds	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
Delay in Substantial Completion	Contractor & PM Substantial completion was granted and the punchlist was completed by the contractor.	Project Manager to seek approval for Gate 6 & 7 at the January 2024 Management Committee meeting.	1/25/2024

KEY ACTIVITIES - Current Reporting Quarter

Substantial completion was granted and the punchlist was completed by the contractor. TASI installed the exit gates and radar detector. TASI discovered a bad radar detector controller and had to send it back to the vendor for repair. Received the radar detector controller back and installed it but still did not work. Will need to investigate the problem with the vendor.

NEXT KEY ACTIVITIES

Correct the radar detector controller issue and cutover the exit gates.

PROJECT NOTES

None.

PROJECT PHOTOS



Railroad Crossing



Newly installed exit gates

San Mateo Grade Crossing Improvements

Project No. **100566**

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
20.34%	4.83%	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.

Project Manager: Angela Myrechuck
 Principal Designer: RSE
 Const. Contractor: Stacy and Witbeck, 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	02/26/21	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	08/03/23	08/03/23	0	0
NTP	09/01/23	09/08/23	-7	0
Gate 6 - Substantial Completion	08/01/24	08/08/24	-7	0
Gate 7 - Start Up/Turnover Complete	09/01/24	09/08/24	-7	0
Gate 8 - Project Closeout Complete	01/31/25	02/07/25	-7	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	-596	284	284	0	0.0%
Environmental	1200	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	415	3,415	3,415	0	0.0%
Construction Management	4100	200	219	419	419	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	-766	34	34	0	0.0%
Project Management	5100	200	90	290	290	0	0.0%
Project & Document Control	5200	0	135	135	135	0	0.0%
Finance/Accounting	5300	20	0	20	20	0	0.0%
Contracts & Procurement	5400	40	-10	30	30	0	0.0%
Legal	5500	30	-17	13	13	0	0.0%
Information Technology	5600	0	0	0	0	0	
Communications/P. Relations	5700	0	24	24	24	0	0.0%
Human Resources	5800	0	0	0	0	0	
Safety/Security & Risk Mgmt.	5900	0	14	14	14	0	0.0%
Equip./Material Purchases	6100	0	0	0	0	0	
CalMod Program	7100	0	0	0	0	0	
Oper. Support	8100	50	-20	30	30	0	0.0%
Subtotals	NA	5,260	-502	4,758	4,758	0	0.0%
Risks (known & unknown)	NA	NA	NA	NA	713		
Contingency	9900	212	502	713	NA	0	0.0%
Grand Totals	NA	5,471	0	5,472	5,472	0	0.0%

(*) ICAP already included in totals above

	221	0	221	221	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 Title	Type	Board Approved			Activated Funding	Unactivated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
Public Utilities Commission Programs (Section 130)	State	4,067	1,405	5,472	5,472	0
Totals		4,067	1,405	5,472	5,472	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
Delay in TASI Installation schedule.	Angela Myrechuck ----- TASI Installation schedule has not been confirmed. - risk that TASI work that is independent of Stacy and Witbeck will not occur on schedule per funding agreement. TASI schedule for Grade Crossing work is impacted by higher priority work on the operating RR and has not been committed to.	Bi-weekly meetings with TASI to request schedules.	\$ - ----- 0	Med
Coordination with PCEP signal work at the crossings.	Angela Myrechuck ----- PCEP is schedule to perform and complete their work in 2024.	Monthly meetings with PCEP to coordinate our schedules.	\$ - -----	Med

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

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

KEY ACTIVITIES - Current Reporting Quarter

Notice to Proceed (NTP) was issued for Construction start on October 27th. Stacy and Witbeck, Inc work has been suspended during the City of San Mateo Holiday Moratorium which continues until January 1, 2024. Weekly progress meetings are being held as needed during this suspension of work. Resident Engineer, Office Engineer and field inspector continue to support project through the construction management support contract with TRC. PM and Government and Community affairs staff continue to coordinate community outreach efforts between City of San Mateo and JPB. Ongoing bi-weekly progress meetings being held with TASI for signal construction scope.

NEXT KEY ACTIVITIES

Stacy and Witbeck construction work will be on pause from November 20th through January 1st due to City of San Mateo's downtown district Holiday Construction Moratorium. Will continue to meet with contractor to work through administrative items during Holiday Moratorium. Continuing to meet with TASI to coordinate construction needs.

PROJECT NOTES

None.

San Mateo Grade Crossing Improvements

Project No. 100566

PROJECT PHOTOS

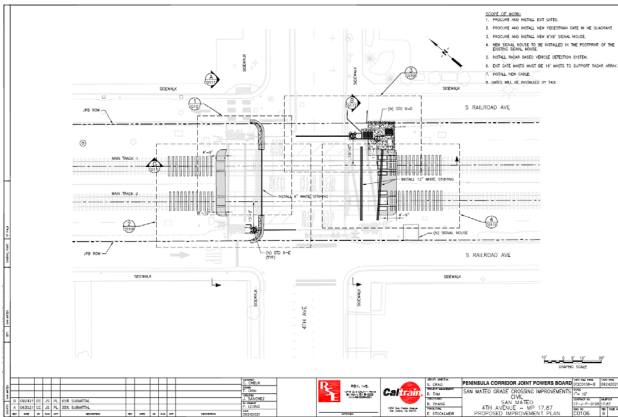


Photo 1 - San Mateo Grade Crossing Improvements

CONSTRUCTION / IMPLEMENTATION
ROW Communications & Signals

Broadband Wireless Communications System

Project No. **100403**

Table 1. Status Summary and Total Project Performance

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

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

Progress (%)	Change Prev. Qtr.	EAC/Budget
48.51%	11.94%	100%

The current activated funds are insufficient to cover the entire construction phase. The "Funding" status light will remain yellow until the remaining funds are activated.

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	08/30/24	08/30/24	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	-370	190	190	0	0.0%
Environmental	1200	20	80	100	100	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	13,146	23,146	23,146	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	
Agency/ODCs	5000		371	371	371	0	0.0%
Project Management	5100	700	-205	495	495	0	0.0%
Project & Document Control	5200	200	-30	170	170	0	0.0%
Finance/Accounting	5300	20	-5	15	15	0	0.0%
Contracts & Procurement	5400	15	0	15	15	0	0.0%
Legal	5500	15	95	110	110	0	0.0%
Information Technology	5600		200	200	200	0	0.0%
Communications/P. Relations	5700		30	30	30	0	0.0%
Human Resources	5800		0	0	0	0	
Safety/Security & Risk Mgmt.	5900		57	57	57	0	0.0%
Equip./Material Purchases	6100		0	0	0	0	
CalMod Program	7100		0	0	0	0	
Oper. Support	8100	500	585	1,085	1,085	0	0.0%
Undefined Type of Work	0000	0	17	17	17	0	0.0%
Subtotals	NA	12,840	15,136	27,976	27,976	0	0.0%
Risks (known & unknown)	NA	NA	NA	NA	2,464	0	0.0%
Contingency	9900	1,160	1,304	2,464	NA		
Grand Totals	NA	14,000	16,441	30,441	30,441	0	0.0%
(*) ICAP already included in totals above		538	632	1,171	1,171	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.

Broadband Wireless Communications System

Project No. **100403**

Table 5. FUNDING (in thousands of \$)

Fund Source	Type	Board Approved			Activated Funding	Unactivated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
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		11,122	11,122	5,500	5,622
SAMTR CCF Contr Prepaid	Local		16	16		16
VTA Non CCF Prepaid	Local		109	109		109
Totals		19,194	11,248	30,441	24,694	5,748

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
Delay in availability of remaining funds.	Robert Tam ----- The current activated funds are insufficient to cover the entire construction phase. Awaiting for the availability of SRA funds.	The "Funding" status light will remain yellow until the remaining funds are activated.	3/31/2024

Broadband Wireless Communications System

Project No. **100403**

KEY ACTIVITIES - Current Reporting Quarter

Stadler discovered some cables were too short and one mounting plate had to be modified during the prototype EMU installation of the Broadband equipment in Salt Lake City. Stadler ordered new cables and the modified mounting plates which should arrive on the first week of January 2024. All the trenching and installing conduits for the wayside radios in Segment 4 was completed except for going underneath the tracks in 1 location. All the trackside radios and antennas were installed at all the locations in Segment 4. Soil sampling was completed for all the segments. Tested the fiber backbone and found several issues with the fiber cables that were assigned to the Broadband project. The project will work with the contractor and fix these fiber issues together when they are encountered in the field. The Board approved the new project budget.

NEXT KEY ACTIVITIES

Complete the construction in Segment 4 and begin construction in Segment 3.

PROJECT NOTES

The Board approved the new project budget at the December 2023 board meeting.

PROJECT PHOTOS



Photo 1 - Trenching and Conduit for the electrical power cable to the Broadband Radio.



Photo 2 - Broadband Radio mounted on the OCS pole.

Migration to Digital Voice Radio System

Project No. 100432

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
30.56%	-2.08%	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 Very High Frequency (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: Jin Jiang
 Principal Designer: Armand
 Const. Contractor: TASI

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 5 - 100% Development Complete / IFB	06/12/23	06/12/23	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		50	50	50	0	0.0%
Environmental	1200			0	0	0	
Real Estate	2100			0	0	0	
Utilities Relocations	2200			0	0	0	
Const./Impl. Contracts	3100		928	928	928	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		158	158	158	0	0.0%
Project Management	5100	92	204	296	296	0	0.0%
Project & Document Control	5200	25	40	64	64	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	19	24	24	0	0.0%
Information Technology	5600		12	12	12	0	0.0%
Communications/P. Relations	5700		7	7	7	0	0.0%
Human Resources	5800			0	0	0	
Safety/Security & Risk Mgmt.	5900		10	10	10	0	0.0%
Equip./Material Purchases	6100	243	-93	150	150	0	0.0%
CalMod Program	7100			0	0	0	
Oper. Support	8100	270	-130	140	140	0	0.0%
Undefined	0000		5	5	5		
Subtotals	NA	670	1,214	1,884	1,884	0	0.0%
Unknown Risks	NA	NA	NA	NA	151		
Unallocated Contingency	9900	30	121	151	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 Title	Type	Board Approved			Activated Funding	Un-activated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
FTA Section 5337 (State of Good Repair)	Federal	428	998	1,426	1,426	0
Member Agency Funds--Santra Clara-VTA (SOGR)	State		229	229	229	0
State of Good Repair (STA SGR)	State		6	6	6	0
Regional Bridge Tolls (AB664)	Local	272	-143	129	129	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
TASI availability	Jin Jiang WD issuing for installation work.	Getting TASI's feedback for WDPR. Purchasing material to avoid long wait for lead time.		Med

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

Issue Title	Responsibility Status	Action	Resolution Date
None			

KEY ACTIVITIES - Current Reporting Quarter

Work Directive for TASI for remaining Positive Train Control (PTC) stations and VHF sites was issued. TASI is working on the material procurement for the remaining sites. Equipment purchase order was issued. Some equipment have been received. License verification is ongoing.

NEXT KEY ACTIVITIES

To receive ordered equipment and start work on the remaining locations.

PROJECT NOTES

Due to the increase in the construction budget that was approved at the Change Committee meeting in October, the progress % in Table 1 has decreased.

Next Generation Visual Messaging Sign (VMS)

Project No. 100449

Table 1. Status Summary and Total Project Performance

Project Phase: 6 – Construction/Implementation

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

Progress (%)	Change Prev. Qtr.	EAC/Budget
23.65%	10.43%	100%

1. Insufficient activated Funds to cover the entire construction phase. Activate the FY24 and FY25 approved budget.

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: Jin Jiang
 Principal Designer: Stantec
 Const. Contractor: Rosendin Electric 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)
Gate 1 - Project Initiation	05/01/20	05/01/20	0	0
Gate 5 - 100% Development Complete / IFB	03/09/23	03/09/23	0	0
Main Contract Award	07/07/23	07/07/23	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	-138	362	362	0	0.0%
Environmental	1200			0		0	
Real Estate	2100			0		0	
Utilities Relocations	2200			0		0	
Construction ODCs	2300			0		0	
Const./Impl. Contracts	3100	3,000	1,588	4,588	4,588	0	0.0%
Construction Management	4100	300	40	340	340	0	0.0%
Design Support During Const.	4200	100		100	100	0	0.0%
Testing & Commissioning	4300			0	0	0	
Agency/ODCs	5000	300	-150	150	150	0	0.0%
Project Management	5100	50	230	280	280	0	0.0%
Project & Document Control	5200	50	10	60	60	0	0.0%
Finance/Accounting	5300	50	-33	17	17	0	0.0%
Contracts & Procurement	5400	30	20	50	50	0	0.0%
Legal	5500		30	30	30	0	0.0%
Information Technology	5600	10	10	20	20	0	0.0%
Communications/P. Relations	5700		10	10	10	0	0.0%
Human Resources	5800	10	-10	0	0	0	
Safety/Security & Risk Mgmt.	5900		10	10	10	0	0.0%
Equip./Material Purchases	6100			0		0	
CalMod Program	7100	100	-100	0	0	0	
Oper. Support	8100		100	100	100	0	0.0%
Subtotals	NA	4,500	1,617	6,117	6,117	0	0.0%
Unknown Risks	NA	NA	NA	NA	683		
Unallocated Contingency	9900	850	-167	683	NA	0	0.0%
Grand Totals	NA	5,350	1,450	6,800	6,800	0	0.0%
(*) ICAP already included in totals above		206	56	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)		
Member Agency Funds--SFCTA (Prop K)	Local	500		500	500	0
Member Agency Funds - SMCTD	Local		2700	2,700	2,700	0
Member Agency Funds - SFCTD	Local		3600	3,600		3,600
Totals		500	6,300	6,800	3,200	3,600

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)	Jin Jiang	Design new SM Fiber to stations without SM Fiber (10 stations apx) to existing signs design extends 3 weeks from 6/1/2022 current early completion to 6/21/2022 total delay current design is 7 days).	\$ 50	High
	The Risk is Identified		7	
Station VMS COMM Cable Plant Non Functional (Install & Test)	Jin Jiang	New SM Fiber cable will be installed and tested at the 10 stations with old copper cables.	\$ 135	High
	The Risk is Identified		30	
Field Verification for Hand Access and Cable Penetration	Jin Jiang	To eliminate changes in the Construction Phase additional field verification at 6 stations to determine hand access and remedy by design to prevent leak.	TBD	High
	The Risk is Identified		15	
Water Ingress Damage at VMS sign conduit/cable penetrations	Larry Dewitt	Design a gasket based connection with caulking to prevent water intrusion.	TBD	High
	The Risk is Identified		TBD	
Lack of Media Converter availability	Larry Dewitt	Include in the construction contract that the contractor shall purchase and install media converters for the VMS sign.	\$ 1	High
	The Risk is Identified		0	

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

Issue Title	Responsibility Status	Action	Resolution Date
Insufficient activated Funds to cover the entire construction.	Jin Jiang The current activated funds are insufficient to cover the entire construction phase.	Activate the FY24 and FY25 approved budget.	07/01/24

KEY ACTIVITIES - Current Reporting Quarter

Site Safety and Site Specific Work Plan (SSWP) are resubmitted and approved. A quality plan workshop was held. SSWP resubmission is in preparation, information and detail for SSWP is being gathered. Fund activation is in progress.

NEXT KEY ACTIVITIES

To review and approve supplier's documents for project administrative phase, and prepare for construction work in 2024 Q1. Getting approval for SSWP for 1st station work.

PROJECT NOTES

None

Communication System SOGR

Project No. 100572

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
29.31%	5.38%	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: Jin Jiang
 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 5 - 100% Development/IFB Complete	06/12/23	06/22/23	-10	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	03/30/25	03/30/25	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	
Const./Impl. Contracts	3100	540	-181	360	360	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		154	154	154	0	0.0%
Project Management	5100	200	5	205	205	0	0.0%
Project & Document Control	5200	30	20	50	50	0	0.0%
Finance/Accounting	5300	5	-0	5	5	0	0.0%
Contracts & Procurement	5400	10	-2	8	8	0	0.0%
Legal	5500	10	-10	0	0	0	
Information Technology	5600		7	7	7	0	0.0%
Communications/P. Relations	5700	0	0	0	0	0	
Human Resources	5800			0	0	0	
Safety/Security & Risk Mgmt.	5900		0	0	0	0	
Equip./Material Purchases	6100		100	100	100	0	0.0%
CalMod Program	7100		0	0	0	0	
Oper. Support	8100	10	40	50	50	0	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 Title	Type	Board Approved			Activated Funding	Un-activated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
FTA Section 5337 (State of Good Repair)	Federal	900		900	900	0
Member Agency Funds--Santra Clara-VTA (SOGR)	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
Cybersecurity Compliance	Randy Bales	Update system communications Architecture to a network compliant with the Transportation Security Administration (TSA).	\$ -	High
	TBD		0	
Channel Bank non-functional	Uhila Makoni	Use the solutions recommended by the future PADS RFP and delay the 100572 project.	TBD	Low
	TBD		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
None			

KEY ACTIVITIES - Current Reporting Quarter

2nd testing site has been identified, equipment have been received. IT, new equipment, and other configuration are ongoing. The procurement terms for the rest of the sites are being prepared.

NEXT KEY ACTIVITIES

Complete the 2nd test. Complete the procurement terms for negotiating with the supplier.

PROJECT NOTES

None.









CONSTRUCTION / IMPLEMENTATION
Fare Collection

Ticket Vending Machines (TVM) Rehab

Project No. **100240**

Table 1. Status Summary and Total Project Performance

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

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

Progress (%)	Change Prev. Qtr.	EAC/Budget
98.70%	5.32%	100%

Phase 5 completion date has been extended due to contemplating a change order to reduce the number of TVMs to be upgraded in order to replace the chips in the TVMs that were upgraded in Phase 2 & 3. Project Manager to seek approval for Gate 6 & 7 at the January 2024 Management Committee meeting.

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 - "Complete".

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	05/01/19	05/01/19	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	05/12/23	-42	0
Phase 5 NTP	10/01/22	10/01/22	0	0
Phase 5 Complete	06/30/23	11/03/23	-126	27
Gate 6 - Substantial Completion	06/30/23	01/25/24	-209	-56
Gate 7 - Start-Up/Turnover Complete	09/30/23	01/25/24	-117	-26
Gate 8 - Project Closeout	12/30/23	03/30/24	-91	-29

Ticket Vending Machines (TVM) Rehab

Project No.

100240

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

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100	0	-28	-28	-28	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	3,288	112	3,400	3,400	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	8	8	8	0	0.0%
Project Management	5100	270	21	291	291	0	0.0%
Project & Document Control	5200	160	-35	125	125	0	0.0%
Finance/Accounting	5300	20	-20	0	0	0	
Contracts & Procurement	5400	47	7	54	54	0	0.0%
Legal	5500	11	-9	2	2	0	0.0%
Information Technology	5600			0	0	0	
Communications/P. Relations	5700			0	0	0	
Human Resources	5800			0	0	0	
Safety/Security & Risk Mgmt.	5900			0	0	0	
Equip./Material Purchases	6100			0	0	0	
CalMod Program	7100			0	0	0	
Oper. Support	8100	40		40	40	0	0.0%
Subtotals	NA	3,836	56	3,892	3,892	0	0.0%
Risks (known & unknown)	NA	NA	NA	NA	0		
Contingency	9900	56	-56	0	NA		
Grand Totals	NA	3,892	0	3,892	3,892	0	0.0%
(*) ICAP already included in totals above		194	0	194	194	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 Title	Type	Board Approved			Activated Funding (D)	Unactivated Amount (E=C-D)
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
FTA Section 5337 (State of Good Repair)	Federal	2,016	0	2,016	2,016	0
State of Good Repair (STA SGR)	State	360	45	405	405	0
Member Agency Funds--SFCTA (Prop K)	Local	255	12	268	268	0
Member Agency Funds--SFCTA (Prop K)	Local	164	0	164	164	0
FTA Section 5337 (State of Good Repair)	Federal	832	0	832	832	0
Measure RR Capital	Local	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
Schedule Delay	Ventek Phase 5 completion date has been extended due to contemplating a change order to reduce the number of TVMs to be upgraded in order to replace the chips in the TVMs that were upgraded in Phase 2 & 3.	Project Manager to seek approval for Gate 6 & 7 at the January 2024 Management Committee meeting.	1/25/2024

KEY ACTIVITIES - Current Reporting Quarter

The issue with the new printers was resolved and all the TVM printers in Phase 5 were replaced. All 27 TVMs at the stations for Phase 5 have been upgraded for Clipper and the vendor obtained Substantial Completion for the project. Project Manager will begin to close out the project.

NEXT KEY ACTIVITIES

Begin the Close-Out of the Project.

PROJECT NOTES

None.

Ticket Vending Machines (TVM) Rehab

Project No. 100240

PROJECT PHOTOS



Photo 1 - Palo Alto TVM 106



Photo 2 - Prototype TVM Door Graphics



Photo 3 - RWC TVM 65



Photo 4 - San Jose

CONSTRUCTION / IMPLEMENTATION
Miscellaneous

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	R	Y	Y
Previous	G	R	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
74.64%	1.79%	100%

1. The schedule has been delayed due to part availability. Alstom is working with multiple vendors to procure the parts needed.
2. A potential budget shortfall has been identified. Team is actively tracking this item and will seek supplemental funding as part of the FY25 budget amendment if needed.

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 Act. Completion	Variation (days)	Δ Prev Month
	(A)	(B)	(C =A-B)	(D)
Project Initiation	04/01/17	04/01/17	0	0
Main Contract Award Board Approval	04/02/20	04/02/20	0	0
NTP	06/16/20	06/16/20	0	0
Unit 924 Conditional Acceptance	11/23/22	04/20/23	-148	0
Unit 925 Conditional Acceptance	02/17/23	11/20/23	-276	-14
Unit 926 Conditional Acceptance	06/26/23	01/15/24	-203	-21
Unit 928 Conditional Acceptance	09/28/23	09/30/24	-368	-94
Unit 923 Conditional Acceptance	02/06/24	12/15/24	-313	-138
Gate 6 - Substantial Completion	02/21/24	12/15/24	-298	-76
Gate 7 - Start-Up / Turnover Complete	05/31/24	12/30/24	-213	-61
Gate 8 - Project Closeout Complete	08/30/24	03/31/25	-213	213

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	336	14,278	14,278	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	100.0%
Oper. Support	8100			0		0	
Subtotals	NA	13,942	428	14,370	14,307	63	0.4%
Unknown Risks	NA	NA	NA	NA	462		
Unallocated Contingency	9900	268	195	462	NA	0	0.0%
Grand Totals	NA	14,210	623	14,833	14,770	63	0.4%

Table 5. FUNDING (in thousands of \$)

Fund Source Title	Type	Board Approved			Activated Funding	Un-activated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
Farebox Revenue for Capital	Local	596		596	596	0
Member Agency Funds--Santra Clara-VTA General Funds	Local	7,500		7,500	7,500	0
FTA Section 5337 (State of Good Repair)	Federal	5,000		5,000	5,000	0
State of Good Repair (STA SGR)	State	1,100		1,100	1,100	0
STA Capital	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 Paint Booth	Alstom Delayed due to paint booth out of compliance.	Alstom researching options to paint at different facilities or a contract painter to paint locos 5 and 6 outside.	\$ - 6 month	Med
Alstom Shop Flow	Alstom Delayed by Alstom and parts availability.	Caltrain will ship the next unit for overhaul when Caltrain spares are adequate to have more than one unit in the shop. Alstom to try and get components expedited. Alstom has set up inquiries with their vendors to ensure all parts have been purchased to build the next units and material is available to finish the remaining units. Alstom does not have radiators and requested to borrow from Caltrain. Caltrain supplied radiators and issue is closed.	\$ -	Med

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

Issue Title	Responsibility Status	Action	Resolution Date
The schedule has been delayed due to part availability.	Alstom The earlier part delays have been claimed as resolved. However, they will be using new vendors and sent a letter of new potential delays caused by World events in the Red Sea.	Alstom is working with multiple vendors to procure the parts needed.	12/01/24
A potential budget shortfall has been identified.	Troy Alvarez Remaining contingency levels may not be adequate to cover unforeseen work on the last two locomotive overhauls based on change order levels for the first four units.	Team is actively tracking this item and will seek supplemental funding as part of the FY25 budget amendment if needed.	03/01/24
The LED number board is obsolete.	Caltrain We are reviewing two options. Buy a new system for the entire fleet or find obsolete replacements which is our current plan of action.	Working with new LED vendor to repair obsolete boards. The replacement was not part of scope.	03/01/24

KEY ACTIVITIES - Current Reporting Quarter

Unit 926 shipped from Alstom late December. 928 shipped from San Jose to overhaul at Alstom. Authorized final Acceptance of 925. Replaced a failed traction motor on 924 and Alstom will repair under warranty.

NEXT KEY ACTIVITIES

Operate 926 in non-revenue conditional acceptance testing. 928 will be stripped down and begin overhaul process. Resolve the LED number board issue.

PROJECT NOTES

None.

MP-36 Locomotive Mid-Life Overhaul

Project No. 100233

PROJECT PHOTOS



Photo 1 - Locomotive 924 in service.



Photo 2 - Locomotive 925 in service.



Photo 3 - Locomotive 926 at CEMOF.



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	R	G	G
Previous	G	Y	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
91.60%	0%	100%

Schedule - Project Schedule extended as the current fiber strike situation severely postponed the implementation schedule. Project will go to the Management Committee for approval of Gate 6 and to request schedule re-baseline in May 2024.

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
- Disaster Recovery
- Reduced Datacenter footprint

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	05/15/24	-228	-167
Gate 7 – Start-up/Turnover	12/31/23	07/31/24	-213	-213
Gate 8 – Closeout	03/31/24	09/30/24	-183	-122

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	
---	----	----	-----	-----	---	--

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 Title	Type	Board Approved			Activated Funding (D)	Un-activated Amount (E=C-D)
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
FTA Section 5337 (State of Good Repair)	Federal	1,080		1,080	1,080	-
FTA Section 5337 (State of Good Repair)	Federal	520		520	520	-
Regional Bridge Tolls (AB664)	Local	400		400	400	-
Member Agency Funds - SMCTD	Local		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
Delay in Schedule	Project Manager Project Schedule extended as the current fiber strike situation severely postponed the implementation schedule.	Project will go to the Management Committee and request schedule re-baseline in May 2024.	5/31/2024

CCF BCCF VirtualizationProject No. **100430**

KEY ACTIVITIES - Current Reporting Quarter

Rubrik(backup appliance) is installed in Menlo Park. Continued to work to tune up backups. VRDC Carbonite server replication. Menlo Park VRDC1 VM cutover completed. San Jose VRDC cutover planning. Plan to extend Layer 2 between two control centers to support Rubrik. Network Cutover completed. Pots cutover activities. AWS routers received. Working with ATT to connect(expected completion in January) Data migration continuing.

NEXT KEY ACTIVITIES

Data Migration. ROCs VLANs re-org. Rubrik Backup- continue with the implementation. AD migration- continue. AWS Direct Connect- Start configuring.

PROJECT NOTES

None.

PROJECT PHOTOS

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	G	G	G
Previous	G	G	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
98.74%	0.00%	100%

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: Robert Tam
 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	09/30/23	09/30/23	0	0
Gate 7 - Start-Up / Turnover Complete	10/31/23	10/31/23	0	0
Gate 8 - Project Closeout Complete	12/31/23	01/25/24	-25	-25

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		13	13	13	0	0.0%
Environmental	1200			0	0	0	
Real Estate	2100			0	0	0	
Utilities Relocations	2200			0	0	0	
Const./Impl. Contracts	3100	100	9	109	109	0	0.0%
Construction Management	4100	25	-25	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	100	-5	95	95	0	0.0%
Project & Document Control	5200	30	10	40	40	0	0.0%
Finance/Accounting	5300			0	0	0	
Contracts & Procurement	5400	10	-10	0	0	0	
Legal	5500	10	-10	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	75	39	114	114	0	0.0%
Subtotals	NA	350	21	371	371	0	0.0%
Unknown Risks	NA	NA	NA	NA	29		
Unallocated Contingency	9900	50	-21	29	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 Title	Type	Board Approved			Activated Funding	Un-activated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
Member Agency Funds--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
None				

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

Issue Title	Responsibility Status	Action	Resolution Date
None			

KEY ACTIVITIES - Current Reporting Quarter

Prepared for the final phase gate with the Management Committee to close out project.

NEXT KEY ACTIVITIES

Close out the project.

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

San Mateo Replacement Parking Track

Project No. 100676

Table 1. Status Summary and Total Project Performance

Project Phase: 6 - Construction/Implementation

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

Progress (%)	Change Prev. Qtr.	EAC/Budget
11.93%	2.05%	100%

Additional funding is required to be activated to cover construction phase of the project. The project went to the Management Committee in November 2023 to request transfer of \$1.5M from 25th Ave project to this project. Worked with SMCTA to request amendment to the grant term for the funds. Transfer of the funds is underway by Budgets.

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: Angela Myrechuck
 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	04/27/23	04/27/23	0	0
Gate 5 - 100% Development Complete	07/27/23	07/27/23	0	0
IFB	08/21/23	08/21/23	0	0
Main Contract Award Board Approval	12/07/23	12/07/23	0	0
NTP	03/01/24	03/01/24	0	0
Gate 6 - Substantial Completion	02/28/25	02/28/25	0	0
Gate 7 - Start-Up / Turnover Complete	05/31/25	05/31/25	0	0
Gate 8 - Project Closeout Complete	08/31/25	08/31/25	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	190	740	740	0	0.0%
Environmental	1200	50	51	101	101	0	0.0%
Real Estate	2100	10	-10	0	0	0	
Utilities Relocations	2200	207	-107	100	100	0	0.0%
Construction ODCs	2300	0	0		0		
Const./Impl. Contracts	3100	6,042	-164	5,878	5,878	0	0.0%
Construction Management	4100	676	-176	500	500	0	0.0%
Design Support During Const.	4200	134	166	300	300	0	0.0%
Testing & Commissioning	4300	0	20	20	20	0	0.0%
Agency/ODCs	5000	20	287	307	307	0	0.0%
Project Management	5100	327	38	365	365	0	0.0%
Project & Document Control	5200	70	36	106	106	0	0.0%
Finance/Accounting	5300	35	-9	26	26	0	0.0%
Contracts & Procurement	5400	80	-43	37	37	0	0.0%
Legal	5500	35	-24	11	11	0	0.0%
Information Technology	5600	0	0	0	0	0	
Communications/P. Relations	5700	30	-15	15	15	0	0.0%
Human Resources	5800	0	0	0	0	0	
Safety/Security & Risk Mgmt.	5900	10	0	10	10	0	0.0%
Equip./Material Purchases	6100	80	-80	0	0	0	
CalMod Program	7100	10	-10	0	0	0	
Oper. Support	8100	65	435	500	500	0	0.0%
Undefined and others		0	0		0		
Subtotals	NA	8,431	587	9,018	9,018	0	0.0%
Risks (known & unknown)	NA	NA	NA	NA	1,111	0	0.0%
Contingency	9900	1,579	-468	1,111	NA		
Grand Totals	NA	10,010	118	10,128	10,128	0	0.0%
(*) ICAP already included in totals above		385	5	390	390	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 Title	Type	Board Approved			Activated Funding	Un-activated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
City of San Mateo	Local	2,355	0	2,355	2,355	0
SMCTA (Project Specific)	Local	1,690	0	1,690	1,690	0
FY24 AT&T Settlement \$800k	Local	800	0	800	800	0
Local Partnership Program - Formulaic	Local	3,773	0	3,773	0	3,773
Measure RR Capital	Local	10	0	10	10	0
Totals		8,628	0	8,628	4,855	3,773

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
Potential impacts to schedule if Heritage trees cannot be removed prior to bird nesting period	PM ----- Pending	Include tree removal in LNTP to Construction Contractor so trees removal permit can be submitted and removal can proceed in January 2024	-----	Med

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

Issue Title	Responsibility Status	Action	Resolution Date
Additional funding is required to be activated to cover construction phase of the project.	PM ----- Pending	The project went to the Management Committee in November 2023 to request transfer of \$1.5M from 25th Ave project to this project. Budgets will be requested to activate the additional funding including LPP funds.	3/31/2024

KEY ACTIVITIES - Current Reporting Quarter

Board approved award of the construction contract. Contracts and Procurement (C&P) staff are working to execute contract. Contract amendment for extension of design services and Design During Construction (DSDC) is underway with C&P. Met with SMCTA to discuss transfer of funds from 25th Avenue Grade Separation (previously approved by Management Committee). Submitted a formal letter to SMCTA to request extension of the grant terms. Met with Community Outreach and Government Affairs to update on anticipated start of construction activities. Held two site meetings to review heritage trees for removal along project, City of San Mateo PM and city arborist joined site walk to discuss survey process and permit application. Requested Rail Road Protective Liability insurance. Began applications for PG&E and Calwater Services.

NEXT KEY ACTIVITIES

Issue LNTP for administrative period and for early activity of tree removal. Full NTP anticipated in March 2024. Prepare WDPR for CM services to be issued once on call CM Services contract is awarded. Prepare WDPR for TASI Support on project. Work with City of SM on tree permit to mitigate delays to tree removals anticipated in January. Continue to work with Community outreach to prepare notices for advanced work in January. Continue to work with staff on applications for PG&E and Calwater services needed for project.

PROJECT NOTES

1. PCEP Stockpiles on site will need relocation ahead of construction, PCEP has been notified, will follow up and keep community outreach staff apprised of any planned activities.
2. Budget and Schedule were re-baselined this month based Management Committee approval of an updated Work Plan.
3. Schedule was re-baselined this quarter.

Mini-High Platforms

Project No. 100684

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	G

Progress (%)	Change Prev. Qtr.	EAC / Budget
4.67%	0.00%	100%

Funding - The remaining un-activated funds for the project relies on FY25 approved budget. Await for the funds to be activated in July 2024.

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: Aecom

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
Gate 5 - 100% Development/IFB Complete	08/24/23	08/24/23	0	0
Invitation For Bid (IFB)	10/24/23	10/24/23	0	0
Main Contract Award Board Approval	12/07/23	01/04/24	-28	-28
NTP	02/05/24	02/05/24	0	0
Gate 6 -Substantial Completion	12/31/24	12/31/24	0	0
Gate 7 - Start-Up / Turnover Complete	03/01/25	03/01/25	0	0
Gate 8 - Project Closeout Complete	06/01/25	06/01/25	0	0

Mini-High Platforms

Project No. 100684

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

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100	210	-210	0	0	0	
Environmental	1200	14	0	14	14	0	0.0%
Real Estate	2100	0	0	0	0	0	
Utilities Relocations	2200	0	0	0	0	0	
Const./Impl. Contracts	3100	1,000	1,497	2,497	2,497	0	0.0%
Construction Management	4100	100	400	500	500	0	0.0%
Design Support During Const.	4200	50	75	125	125	0	0.0%
Testing & Commissioning	4300	0	0	0	0	0	
Agency/ODCs	5000	0	69	69	69	0	0.0%
Project Management	5100	80	295	375	375	0	0.0%
Project & Document Control	5200	30	20	50	50	0	0.0%
Finance/Accounting	5300	16	-16	0	0	0	
Contracts & Procurement	5400	48	-37	11	11	0	0.0%
Legal	5500	15	-5	10	10	0	0.0%
Information Technology	5600	5	-5	0	0	0	
Communications/P. Relations	5700	5	5	10	10	0	0.0%
Human Resources	5800	0	0	0	0	0	
Safety/Security & Risk Mgmt.	5900	5	0	5	5	0	0.0%
Equip./Material Purchases	6100	0	0	0	0	0	
CalMod Program	7100	0	0	0	0	0	
Oper. Support	8100	25	265	290	290	0	0.0%
Subtotals	NA	1,603	2,325	3,956	3,956	0	0.0%
Risks (known & unknown)	NA	NA	NA	NA	305	0	0.0%
Contingency	9900	1,491	-1,186	305	NA		
Grand Totals	NA	3,094	1,167	4,261	4,261	0	0.0%
(*) ICAP already included in totals above		119	45	164	164	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 Title	Type	Board Approved			Activated Funding	Unactivated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
Member Agency Funds - SMCTD (San Mateo County Transit District)	Local	1,964		1,964	1,964	0
FTA Section 5537	Federal		460	460	460	0
SMCTA and Other			1,762	1,762	0	1,762
Totals		1,964	2,222	4,186	2,424	1,762

Mini-High Platforms

Project No. 100684

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
UPPR Review	PM On-going	Limiting the scope to include JPB's ROW.	\$ 50	Med

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

Issue Title	Responsibility Status	Action	Resolution Date
Delay in activation of funds.	PM The remaining un-activated funds for the project relies on FY25 approved budget.	Await for the funds to be activated in July 2024.	7/31/2024

KEY ACTIVITIES - Current Reporting Quarter

Project was advertised on October 24, 2023 and bids were reviewed. Recommend the award of Base Bid but not the "Option" unless the additional funding is available. Continued preparing for the Board Award in January 2024.

NEXT KEY ACTIVITIES

Continue preparing for the Board Award in January 2024.

PROJECT NOTES

None.

PROJECT PHOTOS

To be updated.

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
1.0%	0.23%	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
Award Preliminary Design Contract	05/04/23	05/04/23	0	0
Environmental Clearance Complete	03/31/24	03/31/24	0	0
Final Design RFP	11/01/24	11/01/24	0	0
Gate 3 - 35% Development Complete	05/31/25	05/31/25	0	0
Gate 4 - 65% Development Complete	12/31/25	12/31/25	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	-3,018	12,958	12,958	0	0.0%
Environmental	1200	2,288	-1,298	990	990	0	0.0%
Real Estate	2100	8,216	0	8,216	8,216	0	0.0%
Utilities Relocations	2200	7,904	0	7,904	7,904	0	0.0%
Const./Impl. Contracts	3100	230,880	0	230,880	230,880	0	0.0%
Construction Management	4100	6,240	-0	6,240	6,240	0	0.0%
Design Support During Const.	4200	1,300	0	1,300	1,300	0	0.0%
Testing & Commissioning	4300	1,300	0	1,300	1,300	0	0.0%
Agency/ODCs	5000	78	1,228	1,306	1,306	0	0.0%
Project Management	5100	1,508	-413	1,095	1,095	0	0.0%
Project & Document Control	5200	468	147	615	615	0	0.0%
Finance/Accounting	5300	135	6	142	142	0	0.0%
Contracts & Procurement	5400	187	18	205	205	0	0.0%
Legal	5500	62	89	152	152	0	0.0%
Information Technology	5600	0	40	40	40	0	0.0%
Communications/P. Relations	5700	62	5	67	67	0	0.0%
Human Resources	5800	0	0	0	0	0	
Safety/Security & Risk Mgmt.	5900	104	34	138	138	0	0.0%
Equip./Material Purchases	6100	0	0	0	0	0	
CalMod Program	7100	177	0	177	177	0	0.0%
Oper. Support	8100	749	-0	749	749	0	0.0%
Subtotals	NA	277,635	-3,163	274,473	274,473	0	0.0%
Risks (known & unknown)	NA	NA	NA	NA	30,887	0	0.0%
Contingency	9900	27,725	3,163	30,887	NA		
Grand Totals	NA	305,360	-0	305,360	305,360	0	0.0%
(*) ICAP already included in totals above		11,745	-0	11,745	11,745	0	0.0%

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

Table 5. FUNDING (in thousands of \$)

Fund Source Title	Type	Board Approved			Activated Funding	Un-activated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
SMCTA (Project Specific)	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
Member Agency Funds - SMCTD (San Mateo County Transit District)	Local	85		85	85	0
Externally Funded	Local	6,529		6,529	0	6,529
Totals*		7,424	5,500	12,924	6,281	6,643

*\$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
Close coordination with Southline Development required	TBD	Coordinate closely with Southline Development (in Construction Phase) to ensure design of the 2 projects align	TBD
Close coordination with UPRR/Granite Rock Project required	TBD	Coordinate closely with UPRR/Granite Rock Project (in Conceptual Design) to ensure design of the 2 project align	TBD

KEY ACTIVITIES - Current Reporting Month

Continue with Value Engineering (VE) as the preferred Project Study Report design alternative, referred to as the "Jacked Box, No Shoofly (JBNS)" option, continues. Continue to develop strategy for public outreach to inform the two Cities and their constituents about the JBNS option and compare it to the preferred PSR design alternative in terms of cost, construction duration, impacts to traffic and required property acquisitions. Continue to work with RSE; added a public outreach subconsultant to help on this effort. Continue to work with the Project team and coordinate internally with Rail Ops, Rail Planning, Safety, Environmental and Government & Community Affairs, prior to approaching the Cities and elevating the discussion to the respective City Managers and City Councils.

NEXT KEY ACTIVITIES

Continue to schedule internal Caltrain meetings to vet the JBNS option. Continue to schedule future meetings with the two Cities to discuss public outreach approach. Continue to interface with Southline Development project and UPRR/Granite Rock. Prepare for Alternate Project Delivery Method Analysis and Independent Cost Estimate.

PROJECT NOTES

Broadway Burlingame Grade Separation

Project No. **100244**

Table 1. Status Summary and Total Project Performance

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

Project Phase: **5 - Development (100%)**

Progress (%)	Change Prev. Qtr.	EAC/Budget
6.1%	0.52%	102%

Delay due to right-of-way acquisitions and utility relocations. Right-of-way acquisitions and utility relocations are currently forecasted to delay construction relative to the prior baseline schedule. JPB staff is assessing options to mitigate this delay and will provide updates in future months.

SCOPE Summary

The Project will improve traffic safety and circulation at the Broadway grade crossing in Burlingame by elevating the tracks over the existing roadway and eliminating the existing grade crossing. To accommodate this change, Broadway Station will also be elevated. The Project is being implemented using a Construction Manager/General Contractor (CMGC) delivery method and is currently between 65% and 95% design.

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	01/31/20	01/31/20	0	0
DCE application to FTA for NEPA clearance	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
Issue CMGC Services RFP	08/16/23	08/16/23	0	0
Authorize Funding for CMGC Pre-Construction Phase	12/07/23	12/07/23	0	0
Award Contract for CMGC Services	01/04/24	03/15/24	-71	-71
Gate 5 - 100% Development Complete / IFB	09/30/24	01/17/25	-109	-109
TCP	11/30/24	04/01/25	-122	-122
Environmental Clearance Complete	04/30/24	05/19/25	-384	-384
Main Contract Award	01/02/25	07/01/25	-180	-180
NTP	02/01/25	10/01/25	-242	-242
ROW Permits Complete	08/31/24	04/06/26	-583	-583
Gate 6 - Substantial Completion	04/30/28	10/02/28	-155	-155
Gate 7 - Start-Up/Turnover Complete	07/31/28	12/01/28	-123	-123
Gate 8 - Project Closeout Complete	12/31/28	04/01/29	-91	-91

Broadway Burlingame 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	3,027	18,704	18,704	0	0.0%
Environmental	1200	2,156	-651	1,505	1,505	0	0.0%
Real Estate	2100	6,449	4,670	11,119	11,119	0	0.0%
Utilities Relocations	2200	6,243	-240	6,003	6,003	0	0.0%
Const./Impl. Contracts	3100	242,940	-355	242,585	242,585	0	0.0%
Construction Management	4100	5,200	0	5,200	5,200	0	0.0%
Design Support During Const.	4200	1,040	-0	1,040	1,040	0	0.0%
Testing & Commissioning	4300	1,040	0	1,040	1,040	0	0.0%
Agency/ODCs	5000	632	605	1,236	1,236	0	0.0%
Project Management	5100	4,750	-2,612	2,137	2,137	0	0.0%
Project & Document Control	5200	464	355	819	819	0	0.0%
Finance/Accounting	5300	10	2	12	12	0	0.0%
Contracts & Procurement	5400	63	0	63	63	0	0.0%
Legal	5500	54	-0	54	54	0	0.0%
Information Technology	5600	5	20	25	25	0	0.0%
Communications/P. Relations	5700	44	-0	44	44	0	0.0%
Human Resources	5800	4	-4	0	0	0	
Safety/Security & Risk Mgmt.	5900	73	15	88	88	0	0.0%
Equip./Material Purchases	6100	0	0	0	0	0	
CalMod Program	7100	142	0	142	142	0	0.0%
Oper. Support	8100	666	-142	524	524	0	0.0%
Undefined and Others		89	671	761	761	0	0.0%
Subtotals	NA	287,740	5,360	293,100	293,100	0	0.0%
Risks (known & unknown)	NA	NA	NA	NA	28,663		
Contingency	9900	28,663		28,663	NA	0	0.0%
Grand Totals	NA	316,403	5,360	321,763	321,763	0	0.0%
(*) ICAP already included in totals above		12,169	206	12,375	12,375	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.

Broadway Burlingame Grade Separation

Project No. **100244**

Table 5. FUNDING (in thousands of \$)

Fund Source Title	Type	Board Approved			Activated Funding (D)	Un-activated Amount (E=C-D)
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
SMCTA (Project Specific)	Local	4,550	17,338	21,888	21,888	0
City of Burlingame	Local	1,500	500	2,000	2,000	0
Externally Funded	Local	25,635		25,635		25,635
Totals		31,685	17,838	49,523	23,888	25,635

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	Determine funding source, seek funds for acquisition.	\$ 11,000	Med
	Pending discussions between Caltrain Design & Construction (D&C), Real Estate (RE) and the City to determine next steps.			
2. Section 404 Individual Permit	JPB	JPB staff is updating the project schedule to assess potential impacts due to the process required to obtain the Individual Permit.	\$ 4,000	High
	JPB was recently notified by the U.S. Army Corps of Engineers (USACE) that the project will require a Section 404 Individual Permit.			

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

Issue Title	Responsibility Status	Action	Resolution Date
Delay due to right-of-way acquisitions and utility relocations	JPB	JPB staff is assessing options to mitigate this delay and will provide updates in future months.	TBD
	Right-of-way acquisitions and utility relocations are currently forecasted to delay construction relative to the prior baseline schedule.		
Additional funds will be needed to cover CMGC-related costs	City, SMCTA, JPB In December Board authorized JPB to execute an amendment to the Memorandum of Understanding between the JPB, the TA, and the City to receive additional funding of \$2.5M for the CMGC Pre-construction.	Amend MOU and add funds to the budget.	TBD

Broadway Burlingame Grade Separation

Project No. **100244**

KEY ACTIVITIES - Current Reporting Quarter

Received proposals for CMGC pre-construction services. Finalized review of the proposals received. Received Contract Change Committee (CCC) approval for Mark Thomas request for additional services. Presented to the TA CAC and TA Board to request \$2.3 allocation for CMGC preconstruction services. PCJPB commenced negotiations for CMGC pre-construction services, continued work on property acquisitions and utility coordination, and prepared appraisal maps and preliminary title reports.

NEXT KEY ACTIVITIES

JPB staff anticipates concluding negotiations for CMGC pre-construction services and will seek Board approval for an award in the coming months.

PROJECT NOTES

PROJECT PHOTOS

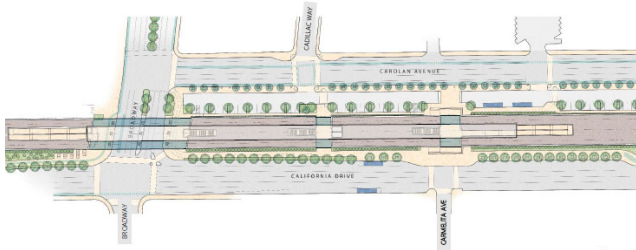


Photo 1 - Station Layout with Landscaping (rendering)



Photo 3 - Proposed Broadway/California Drive (rendering)



Photo 3 - Proposed Cadillac Way Entrance (rendering)



Photo 4 - Proposed Carmelita Avenue Entrance (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	G	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
2.50%	0.08%	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.

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

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	08/05/19	08/05/19	0	0
MOU/ CO-OP Agreement with City of Mountain View for Final Design	10/06/22	10/06/22	0	0
Design Contract IFB/WDPR	05/15/23	05/15/23	0	0
Award Design Contract	08/15/23	08/15/23	0	0
Gate 3 - 35% Development Complete	10/31/22	10/31/22	0	0
Gate 4 – 65% Approval	07/31/24	07/31/24	0	0
95% Design	12/31/24	12/31/24	0	0
All Permits Received	04/30/25	04/30/25	0	0
Gate 5 – 100/IFB	07/30/25	07/30/25	0	0
Construction Contract Award - Board Approval	08/30/25	08/30/25	0	0
Gate 6 – Substantial Completion	12/31/27	08/30/27	123	123
Gate 7 – Start-up/Turnover	03/31/28	10/30/27	153	153
Gate 8 – Closeout	06/30/28	12/31/27	182	182

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 Title	Type	Board Approved			Activated Funding (D)	Un-activated Amount (E=C-D)
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
City of Mountain View	Local	3,500	0	3,500	3,500	0
Member Agency Funds-- Santa Clara-VTA (Measure B)	Local	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
None	-----		

KEY ACTIVITIES - Current Reporting Quarter

The JPB Board approved the final design contract in its December 7, 2023 meeting. The JPB Board of Directors provided authorization to utilize the Construction Manager General Contractor (CMGC) method of project delivery. A Request for Proposal (RFP) to select a CMGC is in progress.

NEXT KEY ACTIVITIES

Issue an RFP to select a CMGC contractor. Start final design and community outreach activities.

Rengstorff Grade Separation

Project No. **100482**

PROJECT NOTES

A cooperative agreement between the VTA, the City of Mountain View and the JPB will be executed in September 2023. VTA has allocated \$42 million towards the final design and right-of-way acquisition. The City of Mountain View will be contributing \$8 million towards the same.

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	R	G	G
Previous	G	R	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
7.28%	1.48%	77%

Delay due to need for analyzing Value Engineering options: 65%-95% design is on hold at this time, as the project is conducting "Value Engineering (VE)" to make the project more affordable. Work on revised costs and schedules incorporating potential Value Engineering solutions. City of Mountain View to present feasible options to its City Council Members for further directions. March/April 24 time frame is when the project will go back to Management Committee to proceed from 65% to 95% design along with, scope, budget, and schedule changes.

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	06/01/23	06/01/23	0	0
Construction Management RFP	02/29/24	02/29/24	0	0
Gate 4 - 65% Development Complete	07/22/23	04/30/24	-283	0
Environment Clearance Complete	06/30/24	06/30/24	0	0
Gate 5 - 100% Development Complete/IFB	06/01/24	12/01/24	-183	0
Main Construction Contract Award	07/01/24	01/01/25	-184	0
ROW Permits Complete	01/01/25	01/01/25	0	0
NTP	08/01/24	02/01/25	-184	0
Gate 6 - Substantial Completion	04/30/27	10/31/27	-184	0
Gate 7 - Start-Up/Turnover Complete	08/01/27	12/31/27	-152	0
Gate 8 - Project Closeout	11/01/27	02/28/28	-119	0

Mountain View Transit Center and Grade Separation & Access Project

Project No. **100617**

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

Type of Work		Budget			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100	12,058		12,058	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%
Risks (known & unknown)	NA	NA	NA	NA	12,333	14,794	54.5%
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%

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 Title	Type	Board Approved			Activated Funding	Un-activated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
Member Agency Funds - Santa Clara - VTA (Measure B)	Local	10,000	7000	17,000	17,000	0
Externally Funded	Local	107,000	-7000	100,000	0	100,000
Totals		117,000	0	117,000	17,000	100,000

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

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. Need for Future Construction 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.	07/01/24
2. Storm Drain System Overflow Manhole	JPB & External Stakeholders	HNTB to confirm modeling includes how the overflow manhole will be addressed.	TBD
	HNTB to verify in modeling report.		
3. OCS Protection Requirements	JPB & External Stakeholders	HNTB to discuss requirements for protecting and working around Caltrain's OCS and what to include in the Mountain View Project Contract Documents.	TBD
	HNTB to verify requirements with Caltrain Engineering.		
4. Central Expressway Design	JPB & External Stakeholders	HNTB to add dimensions to the lanes and boarding areas so we can better understand the layout. Based on the current design, HNTB does not recommend providing a passenger loading zone along SB Moffett, due to the expected high frequency of vehicles dropping off/picking up passengers which will create unpredictable movements for bicyclists. If the bus stop is moved to the area on EB Central Expressway (as discussed previously), HNTB recommends the space on SB Moffett Blvd be used to provide a fully protected bike lane with no passenger loading zone. Additionally, note a ramp for SB bicyclists to access sidewalk level and use the underpasses has been provided.	TBD
	City to review proposed layout by HNTB.		
5. Evelyn Alignment	JPB & External Stakeholders	There are two configurations shown for the ADA ramp, one for a 9' wide and one for a 11' ramp. To achieve the wider ramp, the radius had to be tightened to work within the following constraints: <ul style="list-style-type: none"> • The Ramp/Stair meet point is a pinch point. • ADA ramp must be the same width throughout (per code). • The overall ramp length is constrained by need to avoid fiber optic line at north end. • A rough order of magnitude cost estimate for the work on Evelyn between Franklin and the "s-curve" is \$2.6M. 	TBD
	City to review proposed layout by HNTB.		
6. Delay due to need for analyzing Value Engineering options	JPB & External Stakeholders	Work on revised costs and schedules incorporating potential Value Engineering solutions. City of Mountain View to present feasible options to its City Council Members for further directions. March/April 24 time frame is when the project will go back to Management Committee to proceed from 65% to 95% design along with, scope, budget, and schedule changes.	TBD
	65%-95% design is on hold at this time, as the project is conducting "Value Engineering (VE)" to make the project more affordable.		
7. Third party utility agreements required prior major construction work	JPB & External Stakeholders	Work with Caltrain ROW and Legal Staff, CMV, VTA, and County of Santa Clara to using franchise agreements for the utility companies to proceed with utility relocation design, procurement, and construction; however, the project will require County cooperation as the project could be delayed if proper agreements are not in place prior to major construction.	TBD
	Delivery team to work with CMV, VTA, Caltrain, and County.		

Mountain View Transit Center and Grade Separation & Access Project

Project No. 100617

KEY ACTIVITIES - Current Reporting Quarter

Currently, 65% design is on hold until further directions to move forward from the City of Mountain View City Council scheduled for late January 2024. The City of Mountain View presented at their CTC meeting on November 28, 2023 to update their transportation council of the current scope, schedule, and budget of the project, along with value engineering ideas.

NEXT KEY ACTIVITIES

Assist City of Mountain View for their City Council Meeting on January 28, 2024 to obtain clear directions on moving forward to the 95% design phase. Project continues to conduct administrative activities, such as invoices, processing change amendments, file migration, and etc. Work with UPRR and Legal for reimbursement agreements.

PROJECT NOTES

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
Stations**

22nd Street ADA Improvement

Project No. 100459

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
5.75%	2.27%	100%

SCOPE Summary

Advance preliminary design of the recommended ramp alternative to provide street to platform ADA access at 22nd St Station in San Francisco. The Scope of Work (SOW) will include alternative refinement and outreach, confirmation of platform improvements and accessible parking needs, and critical technical and regulatory analysis necessary to confirm design viability and environmental impact. In addition, the SOW will include refined cost estimates and a detailed funding and implementation plan with agency roles and responsibilities. The design level will be a modified 30% which will include enough information to meet the 30% design level requirements.

Project Manager: Angela Myrechuck

Principal Designer: HNTB

Const. Contractor: TBD

Table 2. SAFETY INCIDENTS

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

Table 3. MILESTONE SCHEDULE

Milestones	Baseline Completion	Est. or Act. Completion	Variation (days)	Δ Prev Month
	(A)	(B)	(C =A-B)	(D)
Gate 1 - Project Initiation	02/03/20	02/03/20	0	0
Gate 2 - 15% Development Complete	03/21/23	03/21/23	0	0
Design Contract IFB/W DPR	04/26/23	04/26/23	0	0
Gate 3 - 35% Development Complete	02/24/24	02/24/24	0	0
Gate 4 - 65% Development Complete	09/01/24	09/01/24	0	0
IFB	03/01/25	03/01/25	0	0
Gate 5 - 100% Development/IFB Complete	06/01/25	06/01/25	0	0
Main Contract Award Board Approval	07/01/25	07/01/25	0	0
NTP	08/01/25	08/01/25	0	0
Gate 6 - Substantial Completion	06/01/26	06/01/26	0	0
Gate 7 - Start-Up / Turnover Complete	07/01/26	07/01/26	0	0
Gate 8 - Project Closeout Complete	10/01/26	10/01/26	0	0

22nd Street ADA Improvement

Project No. 100459

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	287	695	982	982	0	0.0%
Environmental	1200		480	480	480	0	0.0%
Real Estate	2100		105	105	105	0	0.0%
Utilities Relocations	2200			0	0	0	
Construction ODCs	2300			0	0	0	
Const./Impl. Contracts	3100		4,728	4,728	4,728	0	0.0%
Construction Management	4100		809	809	809	0	0.0%
Design Support During Const.	4200		50	50	50	0	0.0%
Testing & Commissioning	4300			0	0	0	
Agency/ODCs	5000		272	272	272	0	0.0%
Project Management	5100		292	292	292	0	0.0%
Project & Document Control	5200		38	38	38	0	0.0%
Finance/Accounting	5300		20	20	20	0	0.0%
Contracts & Procurement	5400		32	32	32	0	0.0%
Legal	5500		12	12	12	0	0.0%
Information Technology	5600			0	0	0	
Communications/P. Relations	5700		30	30	30	0	0.0%
Human Resources	5800			0	0	0	
Safety/Security & Risk Mgmt.	5900		32	32	32	0	0.0%
Equip./Material Purchases	6100			0	0	0	
CalMod Program	7100			0	0	0	
Oper. Support	8100		660	660	660	0	0.0%
Subtotals	NA	287	8,253	8,540	8,540	0	0.0%
Unknown Risks	NA	NA	NA	NA	2,476	0	0.0%
Unallocated Contingency	9900	0	2,476	2,476	NA		
Grand Totals	NA	287	10,729	11,016	11,016	0	0.0%
(*) ICAP already included in totals above		11	413	424	424	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--SFCTA (Prop K)	Local	287	447	734	734	0
Totals		287	447	734	734	0

22nd Street ADA Improvement

Project No. 100459

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
Additional funding is required to complete engineering and deliver the project. Difficulty funding the project could lead to project delays.	Angie Myrechuck/David Pape Reviewing Requirements for funding through FTA All Stations Accessibility Prog Grant and local match (Prop L).	Develop detailed funding and implementation plan in collaboration with SFCTA. Pursue potential grant opportunities including the FTA All Stations Accessibility Program.	\$ -	Med
Preliminary cost estimates are based on conceptual plans and 2021 dollars and may underestimate the overall cost of the project.	Angie Myrechuck Working to keep scope within initial budget.	Develop/refine cost estimates based on preliminary design work.	\$ -	Med
Potential DOT level boarding requirements due to platform modifications.	Angie Myrechuck Will continue to investigate the procedure for requesting a waiver. No action to request a waiver until the	Further review DOT requirements and pursue potential level boarding exemption from FTA and FRA if necessary.	\$ -	Med
Anticipated environmental impacts may differ as design is developed.	Angie Myrechuck Have informed Environmental manager of project and will coordinate as design develops.	Develop project scoping items to properly identify potential environmental impacts as design continues.	\$ -	Low
Lean budget for Gate 3 SOW: Risk of cost overruns or incomplete/reduced deliverables.	Angie Myrechuck Negotiated a final scope for 30% design with HNTB that fits the budget.	Clearly define scope, budget, and set expectations with consultant team and internal staff. Identify risks, track progress, and take actions to manage scope creep and avoid overspending.	\$ -	Low

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

Issue Title	Responsibility Status	Action	Resolution Date
None			

KEY ACTIVITIES - Current Reporting Quarter

Continued 30% design development and reviewed cost estimates with HNTB. FTA All Stations Accessibility Program (ASAP) Grant Notice of Funding Opportunity (NOFO) was released in December 2023 for FY24/25, engaged grants and Government and Community Affairs (GCA) to begin efforts of assembling grant application. Working with San Francisco County Transportation Authority (SFCTA) to keep staff updated on design and coordinate on timing of FTA application

NEXT KEY ACTIVITIES

Continue to work with HNTB to finalize 30% design and cost estimate. Will continue to work with SFCTA staff to review final design, estimate and board presentations as needed for request of additional funding (Prop L). Will continue working with JPB Grants staff to finalize application for FTA ASAP funding.

PROJECT NOTES

- JPB FY24 budget approved SFCTA funding for the 30% modified design scope. No additional funding is secured at this time.

DESIGN
ROW Bridges

San Francisquito Creek Bridge Acoustic Monitoring System

Project No. 100759

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
0.00%	0.00%	100%

SCOPE Summary

The purpose of this project is to install an acoustic monitoring system on the San Francisquito Creek Bridge, which carries double mainline tracks. The Bridge is approaching the end of its useful service life, due to the age of the structure, has low rating capacity of the main members, and an unstable slope at the north abutment. Some members have a negative remaining fatigue life, and the north abutment has an unstable slope. It is located 330 feet from the Palo Alto Avenue at-grade crossing. In 2021, Caltrain initiated a due diligence effort for the Bridge. During the detailed inspections conducted in Fall 2021, no cracks were found. However, the Bridge currently rates below AREMA’s Normal Freight Live Loading requirements. These findings have led to a new direction for the project in terms of scope, budget, and timeline.

The operational scope includes: 1) implementing a new rule and/or instruction to restrict train movements so that when a freight train is on the Bridge, no other trains may pass on the adjacent track; 2) Increasing the cadence of detailed inspections in addition to the annual TASI inspections; 3) installing continuous acoustic emissions monitoring system to enhance risk management by providing more timely notice of potential cracks or damage on the truss, chord, and main verticals. Item 1 will directly address AREMA standards and reduce loads as required. Item #3 would be provided by a competitive RFP to seek an outside vendor to set up and monitor the monitoring system.

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

Table 2. SAFETY INCIDENTS

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

Table 3. MILESTONE SCHEDULE

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Change Prev. Quarter
	(A)	(B)	(C=A-B)	(D)
Project Start	02/01/23	02/01/23	0	0
Gate 5 – 100/IFB	08/30/24	08/30/24	0	0
Main Contract Award	03/01/25	03/01/25	0	0
NTP	04/30/25	04/30/25	0	0
Gate 6 – Substantial Completion	11/30/25	11/30/25	0	0
Gate 7 – Start-up/Turnover	01/30/26	01/30/26	0	0
Gate 8 – Closeout	04/30/26	04/30/26	0	0

San Francisquito Creek Bridge Acoustic Monitoring System

Project No. 100759

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	42		42	42	0	0.0%
Environmental	1200			0		0	
Real Estate	2100			0		0	
Utilities Relocations	2200			0		0	
Construction ODCs	2300			0		0	
Const./Impl. Contracts	3100			0		0	
Construction Management	4100			0		0	
Design Support During Const.	4200			0		0	
Testing & Commissioning	4300			0		0	
Agency/ODCs	5000			0		0	
Project Management	5100			0		0	
Project & Document Control	5200			0		0	
Finance/Accounting	5300			0		0	
Contracts & Procurement	5400			0		0	
Legal	5500			0		0	
Information Technology	5600			0		0	
Communications/P. Relations	5700			0		0	
Human Resources	5800			0		0	
Safety/Security & Risk Mgmt.	5900			0		0	
Equip./Material Purchases	6100			0		0	
CalMod Program	7100			0		0	
Oper. Support	8100			0		0	
Subtotals	NA	42	0	42	42	0	0.0%
Unknown Risks	NA	NA	NA	NA	11	0	0.0%
Unallocated Contingency	9900	11		11	NA		
Grand Totals	NA	53	0	53	53	0	0.0%
(*) ICAP already included in totals above		2		2	2	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.

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

San Francisquito Creek Bridge Acoustic Monitoring System

Project No. **100759**

Table 5. FUNDING (in thousands of \$)

Fund Source Title	Type	Board Approved			Activated Funding (D)	Un-activated Amount (E=C-D)
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
SAMTR CCF Contr Prepaid	Local	53		53	53	0
SMCTA Cap Contr to JPB/SAMTR	Local	2,029	-2,029	0		0
Totals		2,081	-2,029	53	53	0

Approved FY24 budget of \$2,028,704 will be transferred to San Francisquito Bridge North Channel Restoration Project.

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
Project Funds Transferred to SFC Bridge North Channel Restoration Project	Capital Program Delivery ----- Current Approved FY24 Budget of \$2,028,704 transferred to SFC Bridge North Channel Restoration Project	Work with CPD Team to coordinate with Grants, Budgets, and Rail Contracts & Budget Team to identify a funding source to support the SFC Bridge Acoustic Monitoring System Project.	TBD

KEY ACTIVITIES - Current Reporting Quarter

Project is on hold for actual project implementation as current approved FY24 budget of \$2,028,704 will be transferred to SFC Bridge North Channel Restoration Project due to insufficient project funding. Management Committee approved to stop the project and resume next fiscal year, but will still continue to do detailed inspections and yearly inspections of the Bridge.

NEXT KEY ACTIVITIES

Work with Contracts and Procurement, Rail Contracts and Budgets, and Project Controls team to close out associated work directives under Project # 100759.

PROJECT NOTES

Project is on hold for actual project implementation as the current approved FY24 budget of \$2,028,704 will be transferred to San Francisquito Bridge North Channel Restoration Project due to insufficient project funding.

PROJECT PHOTOS

None.

DESIGN
ROW Communications and Signals

Predictive Arrival/Departure System (PADS) Gap Coverage

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
14.77%	4.31%	100%

SCOPE Summary

The Predictive Arrival/Departure System (PADS) Gap Coverage will include below scope:

1. Adding new Electric Multiple Unit (EMU) into existing PADS to process EMU location with time table, and display train information on Visual Messaging Sign (VMS).
2. Virtually add server to provide redundancy for PADS operation, which will increase system liability and availability.
3. Develop technical requirement for future PADS MOD.

Project Manager: Jin Jiang
 Principal Designer: WSP USA 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)	Change Prev. Quarter
	(A)	(B)	(C=A-B)	(D)
Gate 1 - Project Initiation	03/24/22	03/24/22	0	0
Gate 4 - 65% Development Complete	07/27/23	07/27/23	0	0
Gate 5 - 100% Development Complete	04/09/24	04/09/24	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) Gap Coverage

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	-183	217	217	0	0.0%
Environmental	1200			0	0	0	
Real Estate	2100			0	0	0	
Utilities Relocations	2200			0	0	0	
Construction ODCs	2300	6,000	-5,400	600	600	0	0.0%
Const./Impl. Contracts	3100		200	200	200	0	0.0%
Construction Management	4100			0	0	0	
Design Support During Const.	4200	168	-168	0	0	0	
Testing & Commissioning	4300		200	200	200	0	0.0%
Agency/ODCs	5000	550	-194	356	356	0	0.0%
Project Management	5100	105	-28	77	77	0	0.0%
Project & Document Control	5200	75	-75	0	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	-25	15	15	0	0.0%
Information Technology	5600			0	0	0	
Communications/P. Relations	5700			0	0	0	
Human Resources	5800			0	0	0	
Safety/Security & Risk Mgmt.	5900			0	0	0	
Equip./Material Purchases	6100			0	0	0	
CalMod Program	7100	140	-80	60	60	0	0.0%
Oper. Support	8100			0		0	
Subtotals	NA	7,583	-5,818	1,765	1,765	0	0.0%
Unknown Risks	NA	NA	NA	NA	335		
Unallocated Contingency	9900	600	-265	335	NA	0	0.0%
Grand Totals	NA	8,183	-6,083	2,100	2,100	0	0.0%
(*) ICAP already included in totals above		315	-234	81	81	-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 Title	Type	Board Approved			Activated Funding	Un-activated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
Measure RR - Capital	Local	1,040		1,040	1,040	0
Member Agency Funds - SMCTD	Local	1,060		1,060	1,060	0
Totals		2,100	0	2,100	2,100	0

Predictive Arrival/Departure System (PADS) Gap Coverage

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
None			

KEY ACTIVITIES - Current Reporting Quarter

Work Directive Proposal Request (WDPR) for covering the new EMU interface was issued, and WDP was reviewed, procurement document is in preparation. Change order for server upgrade was issued. Reviewed the Technical Specification with internal stakeholders. Continued Developing Bid evaluation criteria.

NEXT KEY ACTIVITIES

Complete draft technical specification and review and start procurement for enabling server redundancy. Draft Bid evaluation

PROJECT NOTES

None

DESIGN
Miscellaneous

MS4 Trash Management

Project No. **100780**

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
NA	NA	100%

SCOPE Summary

Phase 1 scope of work will include a survey of station and parking areas that will be used to determine the final design of appropriate trash capture devices to be installed in each of the storm drains. The storm drain survey, design and subsequent cost estimates will be necessary to apply for the funds needed to implement the project systemwide. Once funding is secured, installation of trash capture devices will proceed at each of the storm drain locations. Phase 2 will include ROW drains. A full Trash capture system is required to be installed and certified by 2030 to maintain the Municipal Separate Storm Sewer System (MS4) Permit.

Project Manager: Angie Myrechuck
 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	04/27/23	04/27/23	0	0
Gate 4 - 65% Development Complete	12/27/23	12/27/23	0	0
Environmental Clearance Complete	04/27/24	04/27/24	0	0
IFB	06/01/24	06/01/24	0	0
Gate 5 - 100% Development/IFB Complete	09/01/24	09/01/24	0	0
Main Contract Award Board Approval	10/01/24	10/01/24	0	0
NTP	01/01/25	01/01/25	0	0
Gate 6 - Substantial Completion	09/01/25	09/01/25	0	0
Gate 7 - Start-Up / Turnover Complete	11/01/25	11/01/25	0	0
Gate 8 - Project Closeout Complete	11/01/26	11/01/26	0	0

MS4 Trash Management

Project No. **100780**

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	452	0	452	452	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		0		
Const./Impl. Contracts	3100	700	0	700	700	0	0.0%
Construction Management	4100	0	0	0	0	0	
Design Support During Const.	4200	0	0	0	0	0	
Testing & Commissioning	4300	0	0	0	0	0	
Agency/ODCs	5000	126	0	126	126	0	0.0%
Project Management	5100	114	0	114	114	0	0.0%
Project & Document Control	5200	16	0	16	16	0	0.0%
Finance/Accounting	5300	21	0	21	21	0	0.0%
Contracts & Procurement	5400	19	0	19	19	0	0.0%
Legal	5500	0	0	0	0	0	
Information Technology	5600	0	0	0	0	0	
Communications/P. Relations	5700	0	0	0	0	0	
Human Resources	5800	0	0	0	0	0	
Safety/Security & Risk Mgmt.	5900	0	0	0	0	0	
Equip./Material Purchases	6100	0	0	0	0	0	
CalMod Program	7100	0	0	0	0	0	
Oper. Support	8100	0	0	0	0	0	
Undefined and others		0	0	0	0		
Subtotals	NA	1,449	0	1,449	1,449	0	0.0%
Risks (known & unknown)	NA	NA	NA	NA	290		
Contingency	9900	290	0	290	NA	0	0.0%
Grand Totals	NA	1,739	0	1,739	1,739	0	0.0%
(*) ICAP already included in totals above		67	0	67	67	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 Title	Type	Board Approved			Activated Funding	Un-activated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
SAMTR Non CCF Prepaid	Local	200	0	200	200	0
SMCTA	Local	494		494		494
Totals		694	0	694	200	494

MS4 Trash Management

Project No. **100780**

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

Met to discuss survey data with the contractor (ERM) to determine best approach for project. Discussed plans for issuing a work directive to engineering consultant to assemble bid package. Held several meetings and discussions to work out funding issues. Met with Stations Operations and Maintenance staff to discuss priority locations for pilot stations (phase 1).

NEXT KEY ACTIVITIES

Prepare work directive proposal request for engineering services that will be issued after Jan 1, 2024 when new general engineering services contract (GEC) is in place.

PROJECT NOTES

4th & King Yard Preparation (4KY)

Project No. 100785

Table 1. Status Summary and Total Project Performance

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

Project Phase: 3 – Development (35%)

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

The separation of the project into two packages caused the delay. The separation allows Package B to go through procurement of a Construction Manager/General Contractor (CMGC) contract while Package A will continue with design for a Design-Bid-Build (DBB) contract. We are working with Transbay Joint Powers Authority (TJPA) to develop an agreed upon, joint project schedule. We can look into rebaselining the schedule when it is complete.

SCOPE Summary

The Downtown Rail Extension (DTX), led by the Transbay Joint Powers Authority (TJPA) seeks to extend Caltrain service via a 1.25 mile tunnel to the Salesforce Transit Center in downtown San Francisco.

The scope of 4th & King Yard Preparation (4KY) Project is as follows:

Prior to beginning construction of the DTX, Caltrain assets in the construction area along Townsend St. will be relocated, decommissioned, and then removed as defined in the 30% Design Plans and summarized below:

- Temporarily relocate train crew facility and parking spaces outside the work area then remove existing building and parking area.
- Relocate pocket track outside work area then remove existing track.
- Relocate yard operating assets (electrical, plumbing, pneumatic, storage sheds, etc) then remove and salvage existing assets.
- Relocate storage tracks outside the work area then remove storage tracks 42 through 47.
- Temporarily relocate* office space and parking spaces off 7th Street outside the work area then remove office trailer for U-Wall construction.
- Remove existing and install new access control fence along north side of yard property (this will be moved again in Package B).

Package B

The DTX Project proposes to connect the DTX U-Wall and tracks to the Caltrain mainline near 7th and Berry Street. Prior to constructing the final segment of the U-Wall in 2029, the existing throat and mainline tracks will be realigned as defined in the 30% Design Plans and summarized below:

- Realign and reconstruct yard tracks, storage tracks, and switches
- Replace signaling, OCS, and related equipment
- Remove/Salvage existing OCS and related equipment
- Construct storage/MOW tracks between the yard and the 16th Street crossing
- Modification of Mission Bay Dr crossing
- On-site utility relocation and replacement
- Install MOW/storage tracks along mainline, but do not install OCS (by DTX)
- Install new access control fence to make way for DTX U-Wall construction
- Replace on-site storage tracks
- Commissioning and testing

Project Manager: Greg Oslund

Principal Designer: TBD

Const. Contractor: TBD

4th & King Yard Preparation (4KY)

Project No. 100785

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	06/22/23	06/22/23	0	0
Gate 3 - 35% Development Complete	12/01/23	12/01/23	0	0
Gate 4 - 65% Development Complete	04/01/25	04/01/25	0	0
ROW Permits Complete	12/01/25	12/01/25	0	0
Environmental Clearance Complete	09/01/24	09/01/24	0	0
RFP - Design & CM/GC	02/01/24	02/01/24	0	0
NTP - Design & CM/GC	08/01/24	08/01/24	0	0
Gate 5 - 100% Development/IFB Complete	02/01/26	02/01/26	0	0
Main Contract Award Board Approval	06/01/26	06/01/26	0	0
NTP	07/01/26	07/01/26	0	0
Gate 6 - Substantial Completion	07/01/28	07/01/28	0	0
Gate 7 - Start-Up / Turnover Complete	09/01/28	09/01/28	0	0
Gate 8 - Project Closeout Complete	01/01/29	01/01/29	0	0

4th & King Yard Preparation (4KY)

Project No. 100785

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		600	600	0	0.0%
Environmental	1200	450		450	450	0	0.0%
Real Estate	2100	300		300	300	0	0.0%
Utilities Relocations	2200	500		500	500	0	0.0%
Construction ODCs	2300	0			0		
Const./Impl. Contracts	3100	50,000		50,000	50,000	0	0.0%
Construction Management	4100	5,900		5,900	5,900	0	0.0%
Design Support During Const.	4200	1,000		1,000	1,000	0	0.0%
Testing & Commissioning	4300	500		500	500	0	0.0%
Agency/ODCs	5000	240		240	240	0	0.0%
Project Management	5100	5,700		5,700	5,700	0	0.0%
Project & Document Control	5200	1,350		1,350	1,350	0	0.0%
Finance/Accounting	5300	0		0	0	0	
Contracts & Procurement	5400	550		550	550	0	0.0%
Legal	5500	200		200	200	0	0.0%
Information Technology	5600	30		30	30	0	0.0%
Communications/P. Relations	5700	600		600	600	0	0.0%
Human Resources	5800	200		200	200	0	0.0%
Safety/Security & Risk Mgmt.	5900	1,850		1,850	1,850	0	0.0%
Equip./Material Purchases	6100	0		0	0	0	
CalMod Program	7100	0		0	0	0	
Oper. Support	8100	3,200		3,200	3,200	0	0.0%
Undefined and others		0		0	0		
Subtotals	NA	73,170	0	73,170	73,170	0	0.0%
Risks (known & unknown)	NA	NA	NA	NA	21,934		
Contingency	9900	21,934	0	21,934	NA	0	0.0%
Grand Totals	NA	95,104	0	95,104	95,104	0	0.0%
(*) ICAP already included in totals above		3,658	0	3,658	3,658	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 Title	Type	Board Approved			Activated Funding	Un-activated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
TJPA -DTX Project100687	Local	595	0	595	595	0
Totals		595	0	595	595	0

4th & King Yard Preparation (4KY)

Project No. 100785

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
Unclear that Package B work can be safely completed without adversely impacting train operations	GEC/Caltrain Open	GEC to walkthrough how construction staging in greater detail (December 2023). Operations then will determine the impacts.	TBD	
Ability to secure acceptable track and office space, both permanent and temporary	Caltrain/TJPA Open	Include issues into the 4KY agreement.	TBD	
Package A must be completed prior to planned start of DTX	Caltrain/TJPA Open	Utilize existing GEC contract to complete final design. TJPA to manage the construction contract	TBD	
De-energizing risk	Caltrain/Contractor Open	Ensure there is contingency plans to have power on for start of operations	TBD	
TASI - Recompete occurs during project and flagger availability	Caltrain Open	Ensure that the effects of the project are incorporated in the new contract. Work to have dedicated flaggers available	TBD	

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

Issue Title	Responsibility Status	Action	Resolution Date
Construction Staging and Operations During Construction	GEC Open	GEC to hold meeting to present how construction will be completed minimizing impacts to operations.	TBD
Loss of Storage Tracks	TJPA Open	Caltrain to determine compensation for loss of tracks.	TBD
No Permanent Train Crew Facility, office trailers, or Bike Storage provided in Draft 30% submittal.	TJPA Open	TJPA and Caltrain to hold meeting to determine how permanent facilities will be replaced at 4th and Townsend Station	TBD
Laydown Area not large enough for DTX and Package B	TJPA Open	Stipulate TJPA identify offsite options	TBD
Caltrain to be lead agency on Package B	TJPA Open	Document the decision with TJPA.	TBD
The separation of the project into two packages caused the delay	PM/TJPA Open	The separation allows Package B to go through procurement of a CM/GC contract while Package A will continue with design for a DBB contract. We are working with TJPA to develop an agreed upon, joint project schedule. We can look into rebaselining the schedule when it is complete.	TBD

KEY ACTIVITIES - Current Reporting Quarter

Completed 30% design review in comment resolution. Received Board approval of CMGC delivery Method.

NEXT KEY ACTIVITIES

30% Progress Submittal with Packages A & B separated.

PROJECT NOTES

PLANNING
Grade Separations

Whipple Avenue Grade Separation Study

Project No. 100410

Table 1. Status Summary and Total Project Performance

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

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

Progress (%)	Change Prev. Qtr.
0.0%	0.00%

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

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.

Project Manager: Hannah Greenberg

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	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

Whipple Avenue Grade Separation Study

Project No. **100410**

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

Estimate at Completion	
Low	High
1,151	1,151

Table 5. FUNDING (in thousands of \$)

Fund Source Title	Type	Board Approved			Activated Funding (D)	Un-activated Amount (E=C-D)
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
SMCTA (Project Specific)	Local	750	301	1,051	1,051	0
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
Next phase of the project not determined	Planning The project will temporarily pause as Caltrain and City Staff discuss next steps.	The scope of work for the next phase of the project is to be determined but will likely include additional planning work.	TBD

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. Additional scope and funding will be provided by Redwood City to continue study.

Bernardo Avenue Undercrossing

Project No. **100667**

Table 1. Status Summary and Total Project Performance

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

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

Progress (%)	Change Prev. Qtr.
TBD	NA

1. The schedule has been delayed due to a delay in the handoff of the project from Sunnyvale to Caltrain. Caltrain to coordinate with the City of Sunnyvale once 35% design and environmental clearance are completed by the City.
2. The Estimate at Completion (EAC) is higher than the initial estimate. The City of Sunnyvale and VTA are working together to identify additional funds to complete the construction.

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 the Central Expressway.

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

Table 3. MILESTONE SCHEDULE

Milestones	Baseline Completion (A)	Est. or Act. Completion (B)	Variation (days) (C = A-B)	Δ Prev Month (D)
Gate 1 - Project Initiation	02/01/22	02/24/22	-23	-23
Gate 2 - 15% Development Complete	03/31/23	05/31/23	-61	0
Gate 3 - 35% Development Complete	05/01/22	12/31/23	-609	0
Design Contract IFB/WDPR	NA	02/15/24	0	0
Gate 4 - 65% Development Complete	03/31/23	11/30/24	-610	0
Gate 5 - 100% Development Complete / IFB	06/01/23	02/28/25	-638	0
ROW Permits Complete	06/30/23	02/28/25	-609	0
Environmental Clearance Complete	06/30/23	10/30/24	-488	0
IFB	06/30/23	03/31/25	-640	0
Main Contract Award	01/31/24	11/30/25	-669	0
NTP	02/01/24	01/07/26	-706	0
Gate 6 - Substantial Completion	02/01/27	02/28/28	-392	0
Gate 7 - Start-Up / Turnover Complete	05/01/27	05/31/28	-396	0
Gate 8 - Project Closeout Complete	06/30/27	08/30/28	-427	0

Bernardo Avenue Undercrossing

Project No. **100667**

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

Estimate at Completion	
Low	High
44,287	65,189

Table 5. FUNDING (in thousands of \$)

Fund Source Title	Type	Board Approved			Activated Funding (D)	Un-activated (E=C-D)
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
City of Sunnyvale	Local	42		42	42	0
Member Agency Funds-Santra Clara-VTA (Measure B)	Local		4,990	4,990	0	4,990
Totals		42	4,990	5,032	42	4,990

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
Project handoff from the City of Sunnyvale to Caltrain	Dennis Kearney 1. Execution of Service Agreement 2. Funding 3. Timely completion of design documents 4. Transfer of project from the City to Caltrain	Caltrain to coordinate with the City of Sunnyvale once 35% design and environmental clearance is completed by City.	TBD
EAC is higher than the initial estimate	Dennis Kearney After preliminary design plan submittal, a detailed cost estimate will be performed. In case of any funding shortfall, VTA and other funding sources will be approached by Cities for funding augmentation.	The City of Sunnyvale and VTA are working together to identify additional funds to complete the construction.	TBD

KEY ACTIVITIES - Current Reporting Quarter

The City of Sunnyvale continued preparation of preliminary design and CEQA/NEPA environmental clearance. Capital Planning continues to coordinate with the City of Sunnyvale to finalize Draft Service Agreement (SA) #2, which covers technical review and coordination and Caltrain environmental clearance.

NEXT KEY ACTIVITIES

Capital Planning to continue coordinating with City of Sunnyvale to finalize SA#2 and corresponding budget so Caltrain Environmental staff can prepare the CEQA Determination and FTA NEPA environmental clearance. The City will continue preparing 35% design documents, which should be completed by the March 2024.

PROJECT NOTES









1. City and VTA are working together to identify additional funds to complete the construction.

Mary Ave Grade Separation

Project No. 100668

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.
0.00%	0.00%

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 and a new service agreement is in place. 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. In August 2022, the City Council selected the Jug Handle Alternative for Mary Ave as the preferred alternative and in September 2022, the City Council selected the Bicycle and Pedestrian Undercrossing option for Sunnyvale Ave. Caltrain staff will lead the Mary Avenue grade separation into PE/Environmental, with the Sunnyvale Ave grade crossing occurring in late 2023. Caltrain has reviewed the City’s 15% designs as part of the City's feasibility study 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. 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 PE/Environmental upon execution of Service Agreement #2.

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

Mary Ave 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	09/30/23	-364	0
Design Contract IFB/WDPR	08/31/23	07/15/24	-319	0
Gate 3 - 35% Development Complete	03/31/25	06/30/26	-456	0
Gate 4 - 65% Development Complete	09/30/26	03/31/27	-182	0
ROW Permits Complete	06/30/27	06/30/27	0	0
Environmental Clearance Complete	12/31/25	06/30/27	-546	0
IFB	01/01/29	12/01/27	397	0
Gate 5 - 100% Development/IFB Complete	09/30/29	03/31/28	548	0
Main Contract Award	09/30/29	04/30/28	518	0
NTP	01/01/30	06/01/28	579	0
Gate 6 - Substantial Completion	06/30/33	07/31/30	1,065	0
Gate 7 - Start-Up / Turnover Complete	12/31/33	10/31/30	1,157	0
Gate 8 - Project Closeout Complete	03/31/34	12/31/30	1,186	0

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

Estimate at Completion	
Low	High
230,050	275,907

Mary Ave Grade Separation

Project No. 100668

Table 5. FUNDING (in thousands of \$)

Fund Source Title	Type	Board Approved			Activated Funding	Un-activated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
City of Sunnyvale	Local	38	0	38	38	0
TBD (Externally funded)	Local	18,898	0	18,898		18,898
Totals		18,936	0	18,936	38	18,898

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
The alternatives analysis and community outreach has taken longer than originally expected.	TBD ----- Ongoing.	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.	TBD

KEY ACTIVITIES - Current Reporting Quarter

No activity during this reporting period. City currently prioritizing Bernardo Undercrossing Project.

NEXT KEY ACTIVITIES

Caltrain staff to continue working with City of Sunnyvale to finalize a new Service Agreement (SA) for the Mary Avenue Grade Separation Project and initiate closeout of the current SA. City of Sunnyvale to get back to Caltrain with their comments on last version of new draft SA.









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 	R 	R 	G 
Previous	G 	R 	R 	G 

Progress (%)	Change Prev. Qtr.
0.0%	0.00%

Redesign delayed project schedule: Caltrain worked with Menlo Park staff to redesign the locally preferred alternative to relocate the undercrossing ramps outside the operating railroad right of way. Menlo Park City Council approved the revised design at its July 11, 2023 meeting and the City has provided Caltrain with an updated cost estimate. Project is transitioning to Caltrain to advance into final design. Additional alternatives analysis and price escalation are factors contributing to higher costs. Project will re-baseline schedule and budget during final design.

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 including the newly completed Stanford development, as well as middle school children in the area. The City’s modified design and location was approved by the Menlo Park City Council on July 11, 2023. A new Service Agreement (SA) was fully executed on May 21, 2023 between Caltrain and the City to support development of an Alternative Contract Delivery Analysis, MOU and RFPs in accordance with the selected Construction Manager/General Contractor (CM/GC) contract delivery method.

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 2 - 15% Development Complete	06/30/23	09/30/23	-92	0
Gate 3 - 35% Development Complete	06/30/23	09/30/23	-92	0
Design Contract IFB/W DPR	08/31/23	06/30/24	-304	0
Gate 4 - 65% Development Complete	06/30/24	12/31/25	-549	0
Environmental Clearance Complete	02/28/25	02/28/26	-365	0
ROW Permits Complete	09/30/25	08/30/26	-334	0
IFB	02/01/27	02/01/26	365	0
Gate 5 - 100% Development/IFB Complete	02/01/27	02/01/26	365	0
Main Contract Award	11/01/27	12/01/26	335	0
NTP	11/01/27	12/01/26	335	0
Gate 6 - Substantial Completion	11/01/30	11/30/28	701	0
Gate 7 - Start-Up / Turnover Complete	05/01/31	02/28/29	792	0
Gate 8 - Project Closeout Complete	08/01/31	05/31/29	792	0

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

Estimate at Completion	
Low	High
36,766	44,119

Table 5. FUNDING (in thousands of \$)

Fund Source Title	Type	Board Approved			Activated Funding (D)	Un-activated Amount (E=C-D)
		Original (A)	Changes (B)	Current (C=A+B)		
		City of Menlo Park	Local	54		
External Funds	Local	400	0	400	0	400
Totals		454	0	454	54	400

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
			\$ -	

Middle Avenue Undercrossing

Project No. 100686

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

Issue Title	Responsibility Status	Action	Resolution Date
Higher Costs	City of Menlo Park/Project Manager/Engineering/Capital Delivery	City has provided an updated cost estimate and Caltrain has reviewed. Caltrain will work with City to explore cost effective solutions.	TBD
	Additional alternatives analysis and price escalation are factors contributing to higher costs.		
Redesign delayed project schedule	City of Menlo Park/Project Manager/Engineering/Capital Delivery Menlo Park City Council approved the revised design at its July 11, 2023 meeting and the City has provided Caltrain with an updated cost estimate.	Project is transitioning to Caltrain to advance into final design. Project will re-baseline schedule and budget during final design. It is anticipated the project will go before the Management Committee on February 22, 2024 for approval of the final design phase approach.	TBD

KEY ACTIVITIES - Current Reporting Quarter

Work under the first SA continued with City and Caltrain coordination regarding the City's updated 30% design deliverables which have been reviewed by Caltrain. Caltrain Planning staff will continue working to close out the current SA, as the project sponsor's deliverables have been received and the planning coordination and technical review during 30% design has been completed. Final Design RFP and MOU are under preparation.

NEXT KEY ACTIVITIES

Caltrain staff will continue to coordinate with the City to implement the new SA for coordination on completion of the Alternative Contract Delivery Analysis Report, MOU and RFPs. Caltrain will also continue to coordinate as needed with City to determine Caltrain environmental clearance needed for the project and will continue to coordinate on City's determination of constraints for the Middle Ave

PROJECT NOTES

Downtown Rail Extension (DTX)

Project No. **100687**

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	G	G	G

Progress (%)	Change Prev. Qtr.
NA	NA

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 City from the Peninsula.

The Downtown Rail Extension (DTX) will extend Caltrain commuter rail from its current terminus at Fourth and King streets to the new Transit Center. It will also deliver the California High-Speed Rail Authority’s future high-speed rail service to the Transit Center.

The scope of this work is to capture Caltrain's costs associated with supporting its development while in the FTA pipeline, which it entered in early December 2021. This helps identify costs (which will be funded by the TJPA) and will also be documented as part of the local in-kind contribution for the project as part of the local match for FTA funding. Caltrain's contributions will be counted along with other project partners, such as the Transbay Joint Powers Authority (TJPA), the San Francisco County Transportation Authority (SFCTA), the San Francisco Planning Department (CCSF), the Metropolitan Transportation Commission (MTC), and potentially the California High Speed Rail Authority (CHSRA).

The 1.3-mile rail extension (2.4 miles of total construction length) will be constructed principally below grade using cut-and-cover and mined tunneling methods underneath Townsend and Second Streets. The project includes an underground station at Fourth and Townsend Streets, six structures for emergency exits, ventilation along the alignment, utility relocation, and rail systems work. The project also includes fit out of the existing trainbox underneath Salesforce Transit Center; and may also include elements that will be confirmed during the Master Cooperative Agreement currently under development by Caltrain and the TJPA.

Project Manager: Gwen Buckley
 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

Downtown Rail Extension (DTX)

Project No. **100687**

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
MOU & Funding Agreement - TJPA	08/03/23	08/03/23	0	0
MOU for 4th & King Yard Preparation & Funding Agreement - TJPA	03/07/24	03/07/24	0	0
Master Cooperative Agreement	09/05/24	09/05/24	0	0
Preliminary Engineering	11/30/24	11/30/24	0	0
Design Contract IFB/W DPR	01/01/25	01/01/25	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

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

Estimate at Completion	
Low	High
TBD	TBD

Project is currently externally managed.

Table 5. FUNDING (in thousands of \$)

Fund Source Title	Type	Board Approved			Activated Funding (D)	Un-activated Amount (E=C-D)
		Original (A)	Changes (B)	Current (C=A+B)		
Member Agency Funds - SMCTD	Local	311		311	311	0
Member Agency Funds - SMCTD	Local	500		500	500	0
TJPA funds – DTX	State		8,538	8,538	8,538	0
Totals		811	8,538	9,349	9,349	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				

Downtown Rail Extension (DTX)

Project No. **100687**

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

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

KEY ACTIVITIES - Current Reporting Quarter

Staff are implementing work plans to complete two agreements between Caltrain and TJPA for the DTX project: the 4th and King Yard (4KY) Preparation Agreement and Master Cooperative Agreement (MCA). It is anticipated that the 4KY Agreement and MCA will be brought to the Caltrain board for approval in June and August 2024, respectively. This month, the 4KY team presented the following topics to Michelle for input: the proposed approach for replacement of PCEP assets in the railyard and the proposed operational parameters during 4KY construction. As part of asset disposition, the MCA team held a workshop on the tunnel to understand the implications of owning and maintaining the DTX tunnel. The MCA team also held a workshop to review Caltrain's positions on major topics in the MCA including capital and O&M costs, safety and security, etc.

NEXT KEY ACTIVITIES

Staff will continue to prepare topics and materials for the Caltrain Board DTX Ad Hoc, support project development and design review activities, and advance the work plan for the 4th and King Yard Preparation Agreement and Master Cooperative Agreement.

PROJECT NOTES

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.

PROJECT PHOTOS

None.

North Fair Oaks Bike and Pedestrian Crossing

Project No. 100733

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	G	G	G

Progress (%)	Change Prev. Qtr.
TBD	0.00%

SCOPE Summary

This proposed capital project is in the initial stages of conceptual design. Currently, there is three design alternatives in development and under consideration for selection of the Locally Preferred Alternative (LPA): two overcrossing and one undercrossing. To date, Caltrain staff have participated in quarterly Technical Advisory Committee meetings for the Study and provided as-needed planning and conceptual engineering assistance to the County. The County is planning to initiate Rail Corridor Use Policy (RCUP) process for Caltrain to review and approve proposed use of JPB property and to select the LPA by March 2024.

The County and Caltrain entered into a third-party Service Agreement (SA) in March 2023. Under this SA, Caltrain performs the technical review of the three conceptual alternatives currently under consideration for the project, as well as planning and coordination efforts related to this phase of the project. In light of the recently adopted Caltrain Equity Policy, it has been agreed between Caltrain and County staff that Caltrain would use its own funds to perform this task. When the LPA will be selected and contingent to funding availability, the service agreement will be amended to advance the project into Preliminary Engineering Design (16-35%) and will include the following tasks: Alternative Contract Delivery Analysis, Development of MOU, and Development of RFP for advancing the project beyond the LPA phase into design and construction. The estimated cost of these tasks will be recovered through the execution of the Service Agreement Amendment.

Project Manager: Mike Rabinowitz
 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

North Fair Oaks Bike and Pedestrian Crossing

Project No. 100733

Table 3. MILESTONE SCHEDULE

Milestones	Baseline Completion	Completion (A = Actual)	Variation (days)	Δ Prep Quarter
	(A)	(B)	(C=A-B)	(D)
Gate 1 - Project Initiation	10/27/22	10/27/22	0	0
Gate 2 - 15% Development Complete	04/15/24	04/15/24	0	0
Preliminary Engineering w/option for Final Design RFQ	06/30/25	06/30/25	0	0
Design Contract Board Approval	02/28/26	02/28/26	0	0
Gate 3 - 35% Development Complete	04/15/26	04/15/26	0	0
Gate 4 - 65% Development Complete	02/15/28	02/15/28	0	0
ROW Permits Complete	09/15/29	09/15/29	0	0
Environmental Clearance Complete	11/15/26	11/15/26	0	0
IFB	09/15/29	09/15/29	0	0
Gate 5 - 100% Development/IFB Complete	09/15/29	09/15/29	0	0
Main Contract Award	06/15/30	06/15/30	0	0
NTP	07/01/30	07/01/30	0	0
Gate 6 - Substantial Completion	TBD	TBD	0	0
Gate 7 - Start-Up / Turnover Complete	TBD	TBD	0	0
Gate 8 - Project Closeout Complete	TBD	TBD	0	0

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

Estimate at Completion	
Low	High
43,915	65,872

Project is currently externally managed.

Table 5. FUNDING (in thousands of \$)

Fund Source Title	Type	Board Approved			Activated Funding (D)	Unactivated Amount (E=C-D)
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
Measure RR - Capital	Local	156		156	156	0
Totals		156	0	156	156	0

North Fair Oaks Bike and Pedestrian Crossing

Project No. 100733

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
Concerns regarding the constructability of the overcrossing alternatives.	PM, Engineering Caltrain is supporting the county to quantify the risks identified on the constructability study conducted by HNTB. These risks will be shared with relevant stakeholders.	Caltrain assessed the constructability through a study. Fees will be covered by the Service Agreement. This study was submitted by HNTB at the end of August. Caltrain is supporting the county in the selection of a LPA by highlighting risks associated with the different alternatives.	\$ -	

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

Issue Title	Responsibility Status	Action	Resolution Date
County may not achieve completion of 15% design with current consultant budget funded through State Grant	The County of San Mateo/Caltrain's PM On-Going	Caltrain will work with County to preserve remaining allocated conceptual design budget should County need to pause project until additional funding can be secured.	3/31/2024
Corridor Electrification cause major constraints in the development of the overcrossing alternatives	The County of San Mateo/Caltrain's PM/ Engineering Pending	Caltrain and the County agreed to develop, in a later phase of the project, a study that will look at lowering the feeder wires. This study will be paid by the County but led by Caltrain. Currently pending funding.	12/31/2024
Funding has not been identified for the next stage of the project development.	The County of San Mateo/Caltrain's PM On-Going	As part of the existing service agreement Caltrain will gain better understanding of actual costs for project and will work with the County to identify potential funding sources.	3/31/2024

KEY ACTIVITIES - Current Reporting Quarter

Caltrain staff developed their technical comments on the three conceptual alternatives under consideration and submitted to the County in early May 2023. A subsequent meeting was held in July 2023 to review the open comments. Caltrain supervised the constructability analysis study for the overcrossing alternatives in August 2023. In September 2023, Caltrain issued a memo outlining the risks identified in the constructability analysis study. Caltrain and the County agreed that the study regarding lower the wires would be performed in a later phase of the project. The County will not select an LPA by March 2024 due to numerous complexities that couldn't be addressed before the deadline.

NEXT KEY ACTIVITIES

Caltrain staff to continue planning coordination with county staff. The team will support the County with effectively share these risks with key stakeholders.

North Fair Oaks Bike and Pedestrian CrossingProject No. **100733**

PROJECT NOTES

The estimate shown in Table 4 was developed by Caltrain as a placeholder, based on industry standards and on the most conservative conceptual alternative under consideration. Estimate is shown as a range between \$45M (without contingency) and \$70M (with 50% contingency) due to the wide array of alternatives currently in review and the early project development stage. Estimate will be updated once the preferred alternative is selected, County provided updated project cost estimates and more detailed plans are developed.

PROJECT PHOTOS





To be updated.

Connecting Palo Alto

Project No. 100776

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	NA	NA	NA	NA

Progress (%)	Change Prev. Qtr.
0.0%	0.00%

SCOPE Summary

The City of Palo Alto initiated the plan to consider grade separation at all four of the existing at-grade crossings in Palo Alto a decade ago. Since 2017, the City's focus has been on the three (3) grade crossings of Churchill Avenue, Meadow Drive, and Charleston Road as part of the Railroad Grade Separation and Safety Improvements Capital Improvement Project, also referred as Connecting Palo Alto. The crossing at Palo Alto Avenue was separated to be integrated with the Downtown Coordinated Area plan.

On May 23th, 2022, the City Council approved an amendment to the City’s contract with AECOM for the Railroad Grade Separation and Safety Improvements Capital Improvement Project. The amendment directs AECOM to conduct additional studies, outreach and support to city staff to identify and develop the city’s locally-preferred alternatives for the 3 crossings.

As of today, the following alternatives are still being considered:

- Churchill Partial Underpass – is currently the preferred alternative for Churchill Avenue
- Churchill Closure with Mitigations
- Meadow Charleston Viaduct
- Meadow Charleston Hybrid
- Meadow Charleston Underpass

Project Manager: Mike Rabinowitz

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

Connecting Palo Alto

Project No. 100776

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	10/26/23	10/26/23	0	0
Gate 2 - 15% Development Complete	07/01/24	07/01/24	0	0
Gate 3 - 35% Development Complete	06/01/26	06/01/26	0	0
Gate 4 - 65% Development Complete	10/01/27	10/01/27	0	0
ROW Permits Complete	05/30/29	05/30/29	0	0
Environmental Clearance Complete	09/01/28	09/01/28	0	0
IFB	06/01/29	06/01/29	0	0
Gate 5 - 100% Development/IFB Complete	06/01/29	06/01/29	0	0
Main Contract Award Board Approval	07/31/29	07/31/29	0	0
NTP	09/01/29	09/01/29	0	0
Gate 6 - Substantial Completion	08/31/32	08/31/32	0	0
Gate 7 - Start-Up / Turnover Complete	11/30/32	11/30/32	0	0
Gate 8 - Project Closeout Complete	02/28/33	02/28/33	0	0

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

Estimate at Completion	
Low	High
523,913	787,501

Table 9. FUNDING (in thousands of \$)

Fund Source Title	Type	Board Approved			Activated Funding (D)	Un-activated Amount (E=C-D)
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
FY23 City of Palo Alto	Local	107	0	107	107	0
Totals		107	0	107	107	0

Table 10. 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

Table 11. NOTABLE ISSUES (Top 5 in order of priority)

ID - Issue Title	Responsibility Status	Action	Resolution Date

Connecting Palo Alto

Project No. 100776

Table 12. INTERFACES

ID – Interface Title	Responsibility Status	Action	Due Date

KEY ACTIVITIES - Current Reporting Quarter

Several meetings were held with City of Palo Alto staff to review Caltrain comments on the design alternatives. The meetings focused on how to incorporate these comments into the design alternatives.

NEXT KEY ACTIVITIES

Caltrain comments on the design alternatives will be presented to the Palo Alto City Council's Rail Committee in late January.

PROJECT NOTES

PLANNING
ROW Bridges

San Francisquito Creek Bridge Conceptual Design & Community Engagement

Project No. 100427

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	G	G	G

Progress (%)	Change Prev. Qtr.
0.0%	0.00%

SCOPE Summary

This project will begin preliminary engineering in Fiscal Year 2025 to provide an alternative analysis of the three options based on an environmental assessment of whether it's suitable for bridge strengthening, replacement, or no build options. Please also note, this San Francisquito Creek Bridge located in Palo Alto, California is 119 years old (built in 1902) and is approaching the end of its design life.

There are 3 options. The first option is to strengthen the bridge and the second option is to replace the bridge. If either of the two build alternatives is 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.

In Fiscal Year 2025 Caltrain intends to use the 0-15% phase to do a more detailed alternative analysis to support environmental clearance and engage community and jurisdictional stakeholders - including the Cities of Palo Alto and Menlo Park. Alternative analysis will include no-build, strengthening, and a range of possible replacement options. The analysis will evaluate environmental considerations, initial and life cycle costs, impacts on the community and operations. The capital scope will be driven by the goal to complete the bridge replacement and grade separation by the end of 2033 to meet substantial service and ridership increases on the corridor. Caltrain staff will work jointly with the City of Palo Alto to find a design solution that does not limit or preclude the range of alternatives available for Palo Alto Avenue.

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

San Francisquito Creek Bridge Conceptual Design & Community Engagement

Project No. 100427

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
Gate 2 - 15% Development Complete	12/31/25	12/31/25	0	0
Gate 3 - 35% Design Complete	12/31/27	12/31/27	0	0
Environmental Clearance Complete	12/31/27	12/31/27	0	0
Design Contract IFB/WDPR	03/31/28	03/31/28	0	0
Gate 4 - 65% Design Complete	12/31/29	12/31/29	0	0
Gate 5 – 100/IFB	12/31/31	12/31/31	0	0
Main Contract Award	01/01/32	01/01/32	0	0
NTP	02/01/32	02/01/32	0	0
Gate 6 – Substantial Completion	08/31/33	08/31/33	0	0
Gate 7 – Start-up/Turnover	02/28/34	02/28/34	0	0
Gate 8 – Closeout	06/30/34	06/30/34	0	0

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

Estimate at Completion	
Low	High
108,873	145,541

Table 5. FUNDING (in thousands of \$)

Fund Source Title	Type	Board Approved			Activated Funding (D)	Un-activated Amount (E=C-D)
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
FTA Section 5337 (State of Good Repair)	Federal	1,680	1,079	2,759	1,680	1,079
Member Agency Funds--Santa Clara-VTA (SOG)	State	173		173	173	0
Member Agency Funds-SFCTA (Prop L, previously called Prop K)	Local	120		120	120	0
Member Agency Funds-SFCTA (Prop L, previously called Prop K)	Local	212		212	212	0
Regional Bridge Tolls (AB664)	State		255	255	0	255
Totals		2,184	1,333	3,518	2,184	1,333

San Francisquito Creek Bridge Conceptual Design & Community Engagement

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)

ID - Issue Title	Responsibility Status	Action	Resolution Date
Need to obtain resources	Caltrain Capital / Engineering	Capital Project team to prepare work directive package for preliminary engineering services for an environmental alternatives assessment of the three options.	12/31/2025
	Prepare work directive package to obtain resources.		
Acoustic Monitoring local fund required	Project Manager/Grants	Local/State funding is required for the Acoustic Monitoring project to comply with the CEQA process.	7/1/2024
	Work with JPB Management to provide list of unfunded projects and coordinate with Grants to identify funding.		
Funding needs to be identified	Caltrain Planning/Grants	Planning Division to prepare CIP Improvement plan that includes San Francisquito Creek Bridge.	7/1/2024
	Work with JPB Management and Planning team to identify 10 year capital improvement project plan and coordinate with Grants to identify funding.		

KEY ACTIVITIES - Current Reporting Quarter

Continue to migrate native files into the SharePoint site. Work with Contracts and Procurement, Rail Contracts and Budgets, and Project Controls Team to close out remaining work directives associated project ID# 100427.

NEXT KEY ACTIVITIES

Project shall resume at the next phase in Fiscal Year 2025.

PROJECT NOTES

None

PROJECT PHOTOS



Photo 1 - Bridge West View



Photo 2 - Bridge East View



Photo 3 - North bank Erosion



Photo 4 - OCS Installed

CLOSEOUT
Grade Separations









25th Avenue Grade Separation

Project No.

002088

Table 1. Status Summary and Total Project Performance

Project Phase: **8 - Closeout**

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

Progress (%)	Change Prev. Qtr.	EAC/Budget
100.00%	0.01%	100%

Project Closeout has been extended due to the impact of unanticipated environmental monitoring program and ROW survey. Project Manager to seek schedule re-baseline once the ROW survey scope is accurately defined.

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	01/26/23	01/26/23	0	0
Gate 8 - Project Closeout	10/26/23	08/31/24	-310	-310

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	399	784	784	0	0.0%
Real Estate	2100		8,970	8,970	8,970	0	0.0%
Utilities Relocations	2200		24,467	24,467	24,467	0	0.0%
Construction ODCs	2300		18	18	18	0	0.0%
Const./Impl. Contracts	3100		116,224	116,224	116,224	0	0.0%
Construction Management	4100		13,404	13,404	13,404	0	0.0%
Design Support During Const.	4200		5,143	5,143	5,143	0	0.0%
Testing & Commissioning	4300		109	109	109	0	0.0%
Agency/ODCs	5000	991	1,736	2,727	2,727	0	0.0%
Project Management	5100	585	6,623	7,208	7,208	0	0.0%
Project & Document Control	5200	80	1,921	2,001	2,001	0	0.0%
Finance/Accounting	5300		24	24	24	0	0.0%
Contracts & Procurement	5400		105	105	105	0	0.0%
Legal	5500	18	824	841	841	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	7,940	7,985	7,985	0	0.0%
Undefined and others	0000		1,963	1,963	1,963	0	0.0%
Subtotals	NA	4,128	195,953	200,081	200,081	0	0.0%
Risks (known & unknown)	NA	NA	NA	NA	0	274	100.0%
Contingency	9900	372	-98	274	NA		
Grand Totals	NA	4,500	195,855	200,355	200,081	274	0.1%
(*) 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 Title	Type	Board Approved			Activated Funding	Unactivated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
SMCTA	Local	3,700	92,410	96,110	96,110	0
Public Utilities Commission Programs (Section 130)	State		10,000	10,000	10,000	0
High Speed Rail (HSR)	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
None.				

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

Issue Title	Responsibility Status	Action	Resolution Date
Delay in Close-out	Project Team Project Closeout has been extended due to the impact of unanticipated environmental monitoring program and ROW survey.	Project Manager to seek schedule re-baseline once the ROW survey scope is accurately defined.	3/31/2024
Missing parking stalls wheel stops.	JPB & City of San Mateo Working with the JPB to find a cost effective selection. Resolved.	PM is working with the TA to move the money to Mini-Highs Projects.	10/31/2023

KEY ACTIVITIES - Current Reporting Quarter

Continued to require environmental monitoring and co-ordinate with PG&E. Completed record drawings.

NEXT KEY ACTIVITIES

Continue to require environmental monitoring and co-ordinate with PG&E.

PROJECT NOTES

- 1) Pending budget transfer of \$75K to Project 100684 - Mini High Platforms.
- 2) PCJPB requested SMCTA the reassignment of \$1,500,000 in project funding from the primary 25th Ave Grade Separation Project to the secondary, Project 100676 - San Mateo Parking Track Project with the approval from the Management Committee.

25th Avenue Grade Separation

Project No.

002088

PROJECT PHOTOS



Photo 1 - 25th N Yard Lighting Pole

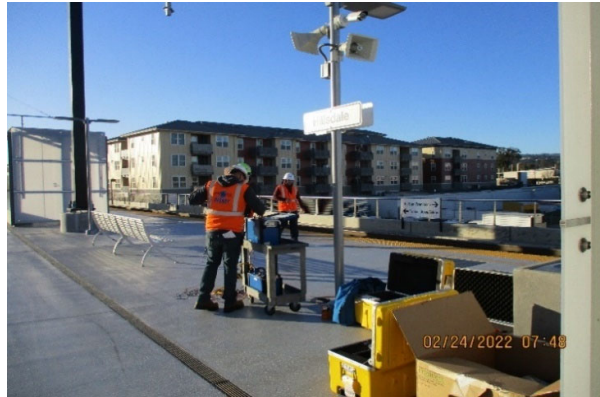


Photo 2 - OCS Grounding Testing.

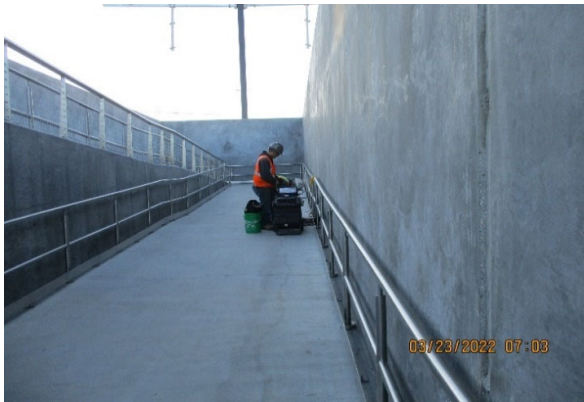


Photo 3 - South Ramp fixing plate kickers



Photo 4 - Stairs Paint Touchup at Hillsdale Station

**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	R	G	G
Previous	G	R	G	G

Progress (%)	Change Prev. Qtr.	EAC / Budget
99.8%	0.00%	100%

UPRR track lost due to construction: Project is still addressing an obligation to Union Pacific Railroad (UPRR) to fund rebuilding of 4,200' of yard track that UPRR lost, due to construction of this project. As an alternative, UPRR will consider a monetary settlement with Caltrain to close out the obligation.

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	06/30/24	-366	-243

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%
Risks (known & unknown)	NA	NA	NA	NA	276	0	0.0%
Contingency	9900	6,767	-6,490	276	NA		
Grand Totals	NA	56,300	32,239	88,539	88,539	0	0.0%
(*) ICAP already included in totals above		2,681	1,535	4,216	4,216	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.

South San Francisco Station Improvement Project

Project No. 002146

Table 5. FUNDING (in thousands of \$)

Fund Source Title	Type	Board Approved			Activated Funding (D)	Un-activated Amount (E=C-D)
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
Member Agency Funds - SMCTD (San Mateo County Transit District)	Local		1,300	1,300	1,300	-
SMCTA (Project Specific)	Local	49,100	(5,028)	44,072	44,572	(500)
FTA Section 5337 (State of Good Repair)	Federal		38,828	38,828	38,828	-
City of South San Francisco	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
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.	TBD
2. UPRR track lost due to construction	TBD ----- Project is still addressing an obligation to Union Pacific Railroad (UPRR) to fund rebuilding of 4,200' of yard track that UPRR lost, due to construction of this project.	UPRR will consider a monetary settlement with Caltrain to close out the obligation.	TBD

South San Francisco Station Improvement ProjectProject No. **002146****KEY ACTIVITIES - Current Reporting Quarter**

Project close out continued.

NEXT KEY ACTIVITIES

Agency staff to prepare lessons learned session and to revise Americans with Disabilities Act (ADA) compliant slopes at ramps and landing design criteria to require industry recommended construction tolerances.

PROJECT NOTES

Union Pacific Railroad (UPRR) yard track: UPRR has indicated that they are researching options for the yard relocation as the land that was identified for this purpose is no longer available to them. As an alternative, UPRR will consider a monetary settlement with Caltrain to close out the obligation. Below is the latest update on the track as per discussion with UPRR:

- UPRR does not own the property identified in the Newhall yard track agreement.
- Alternate locations could not be identified.
- UPRR – Caltrain agreed to amend the agreement to provide a cash settlement approach versus building the track.
- UPRR has cost estimate from 25% plans in 2017 (\$5.17m).
- UPRR to send cost estimate to JPB – received, under review.
- JPB to review and negotiate a resolution.
- Draft amendment received from UPRR, reviewed by Caltrain Legal, sent to UPRR on 12/29/23.

PROJECT PHOTOS



Photo 1 - Ped tunnel looking west

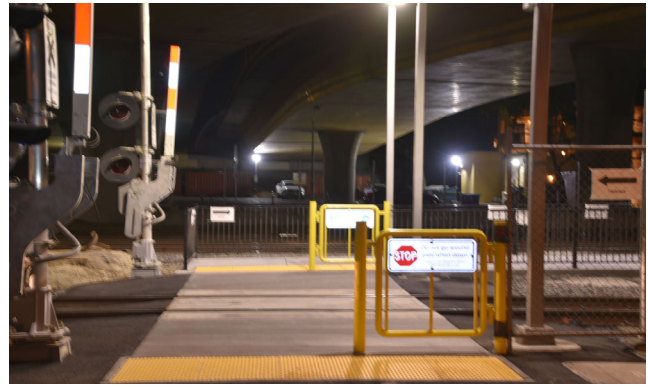


Photo 2 - Ped grade crossing



Photo 3 - Ped Underpass looking east



Photo 4 - Poletti Way looking towards East Plaza

**PROJECTS WITH DEFERRED FUNDING
ROW Grade Crossings**

FY21-22 Grade Crossing Improvements

Project No. **100563**

Table 1. Status Summary and Total Project Performance

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

Quarter	Safety	Schedule	Budget	Funding
Current				
Previous	G	G	G	G

Progress (%)	Change Prev. Qtr.	EAC / Budget
29.40%	1.39%	100%

Team will rebaseline scope, schedule, budget to align with remaining available budget, **full project deferred.**

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

1. 16th St, SF
2. Mission Bay, SF
3. E Meadow, Palo Alto
4. Whipple, Redwood City
5. Ravenswood, Menlo Park

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	08/24/23	08/24/23	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	06/30/25	06/30/25	0	0
Gate 7 - Start-Up / Turnover Complete	08/01/25	08/01/25	0	0
Gate 8 - Project Closeout Complete	12/30/25	12/30/25	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	35	335	335	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	0	0	
Const./Impl. Contracts	3100	599	129	728	728	0	0.0%
Construction Management	4100	200	-96	104	104	0	0.0%
Design Support During Const.	4200	30	22	52	52	0	0.0%
Testing & Commissioning	4300	0	0	0	0	0	
Agency/ODCs	5000	0	28	28	28	0	0.0%
Project Management	5100	150	-46	104	104	0	0.0%
Project & Document Control	5200	50	-8	42	42	0	0.0%
Finance/Accounting	5300	5	0	5	5	0	0.0%
Contracts & Procurement	5400	10	0	10	10	0	0.0%
Legal	5500	5	0	5	5	0	0.0%
Information Technology	5600	0	0	0	0	0	
Communications/P. Relations	5700	0	0	0	0	0	
Human Resources	5800	0	0	0	0	0	
Safety/Security & Risk Mgmt.	5900	0	10	10	10	0	0.0%
Equip./Material Purchases	6100	0	0	0	0	0	
CalMod Program	7100	0	0	0	0	0	
Oper. Support	8100	40	2	42	42	0	0.0%
Subtotals	NA	1,408	57	1,465	1,465	0	0.0%
Risks (known & unknown)	NA	NA	NA	NA	75	0	0.0%
Contingency	9900	132	-57	75	NA		
Grand Totals	NA	1,540	0	1,540	1,540	0	0.0%
(*) ICAP already included in totals above		59	0	59	59	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 Title	Type	Board Approved			Activated Funding	Unactivated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
Member Agency Funds--SFCTA (Prop K)	Local	500		500	500	0
Measure RR - Capital	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
None.			

KEY ACTIVITIES - Current Reporting Quarter

Received the work directive proposal from TASI to perform the construction but the cost is much higher than the independent cost estimate. Will need to have a meeting to discuss the scope and the cost differences.

NEXT KEY ACTIVITIES

Settle on the cost of the proposal and execute the work directive.

PROJECT NOTES

None.

PROJECT PHOTOS

To be updated.

PROJECTS WITH DEFERRED FUNDING
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				
Previous				

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

SCOPE Summary

This project will expand Geographic Information Software (GIS) functionality and provide the following asset management applications:

- (1) Review and Approval Process Modernization – Digitize the Configuration Control process and Site Specific Work Plan (SSWP) process workflows and integrate into the GIS interface to view, review, and approve submitted forms and requested changes to the railroad
- (2) Asset Management Phase 1 - State of Good Repair – Develop and digitize an Engineering inspection process, associated record inspections, and condition assessments and integrate into the GIS interface to view, review, and develop reports for prioritized maintenance considerations or for candidate capital projects.
- (3) Asset Management Phase 2 - Maintenance Management - Digitize maintenance processes associated with work orders, parts inventory, etc. to better control Caltrain asset maintenance.

Project Manager: Zouheir Farah
 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	11/06/23	11/06/23	0	0
IFB	12/06/23	12/06/23	0	0
Gate 5 - 100% Development/IFB Complete	03/04/24	03/04/24	0	0
Main Contract Award Board Approval	10/03/24	10/03/24	0	0
NTP	10/21/24	10/21/24	0	0
Gate 6 - Substantial Completion	10/30/28	10/30/28	0	0
Gate 7 - Start-Up / Turnover Complete	01/30/29	01/30/29	0	0
Gate 8 - Project Closeout Complete	03/30/29	03/30/29	0	0

Enterprise Asset Management (EAM) Software System

Project No. 100564

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

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100	1,660	-1,660	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	-6,020	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	1,153	2,539	2,539	0	0.0%
Project Management	5100		266	266	266	0	0.0%
Project & Document Control	5200		75	75	75	0	0.0%
Finance/Accounting	5300		0	0	0	0	
Contracts & Procurement	5400		26	26	26	0	0.0%
Legal	5500		60	60	60	0	0.0%
Information Technology	5600		38	38	38	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	50	1,950	2,000	2,000	0	0.0%
CalMod Program	7100		0	0	0	0	
Oper. Support	8100	310	327	637	637	0	0.0%
Subtotals	NA	9,723	-4,080	5,643	5,643	0	0.0%
Unknown Risks	NA	NA	NA	NA	2,357	0	0.0%
Unallocated Contingency	9900	277	2,080	2,357	NA		
Grand Totals	NA	10,000	-2,000	8,000	8,000	0	0.0%

(*) ICAP already included in totals above	385	-77	308	308	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.

Enterprise Asset Management (EAM) Software System

Project No. 100564

Table 5. FUNDING (in thousands of \$)

Fund Source Title	Type	Board Approved			Activated Funding (D)	Un-activated Amount (E=C-D)
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
Member Agency Funds--SFCTA (Prop K)	Local	750		750	750	0
Member Agency Funds - SMCTD	Local	1,048	-400	648	648	0
Totals		1,798	-400	1,398	1,398	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

This project is programmed to follow GIS data collection activities.

NEXT KEY ACTIVITIES

Anticipate to begin working in Jan 2024 on the maintenance procedures and requirements which represent part of Phase 1 requirement process.

PROJECT NOTES

None

PROJECT PHOTOS

None.

Update and Upgrade GIS System

Project No. **100565**

Table 1. Status Summary and Total Project Performance

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

Quarter	Safety	Schedule	Budget	Funding
Current				
Previous				

Progress (%)	Change Prev. Qtr.	EAC/Budget
33.80%	8.58%	78%

Team will rebaseline scope, schedule, budget to align with remaining available budget, full project deferred.

SCOPE Summary

The Geographic Information Software (GIS) project will consist of four phases to build up the organization, process, and technology to support successful implementation as follows:

- Project Planning – Identify required datasets, and implementation priority; Provide recommendations for Agency approval and develop a detailed implementation plan.
- GIS Requirements Gathering and System Deployment – Provide the information necessary for making decisions regarding GIS system infrastructure and software; this activity can be performed in parallel with the Gap analysis.
- Data Collection – Collect and verify data of physical railroad characteristics and process into GIS baseline.
- Implementation – Establish standards and processes for data management activities, create layers used for foundational base maps, and integrate them with additional databases as needed.

Project Manager: Bin Zhang
 Principal Designer: N/A
 Impl. 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

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
Gate 6 - Substantial Completion	08/28/25	08/28/25	0	0
Gate 7 – Startup/Turnover Complete	11/28/25	11/28/25	0	0
Gate 8 – Closeout	02/28/26	02/28/26	0	0

Update and Upgrade GIS System

Project No. 100565

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

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100	149	-149	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	-1,733	925	925	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		2,134	2,134	1,134	1,000	46.9%
Project Management	5100	310	129	439	439	0	0.0%
Project & Document Control	5200	70	40	110	110	0	0.0%
Finance/Accounting	5300		0	0	0	0	
Contracts & Procurement	5400	21	-1	20	20	0	0.0%
Legal	5500		36	36	36	0	0.0%
Information Technology	5600		76	76	76	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		80	80	80	0	0.0%
CalMod Program	7100		0	0	0	0	
Oper. Support	8100	96	54	150	150	0	0.0%
Subtotals	NA	3,305	665	3,970	2,970	1,000	25.2%
Unknown Risks	NA	NA	NA	NA	530	0	0.0%
Unallocated Contingency	9900	696	-165	530	NA		
Grand Totals	NA	4,000	500	4,500	3,500	1,000	22.2%

(*) ICAP already included in totals above	154	19	173	135	38
---	-----	----	-----	-----	----

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.

Update and Upgrade GIS System

Project No. 100565

Table 5. FUNDING (in thousands of \$)

Fund Source Title	Type	Board Approved			Activated Funding (D)	Unactivated Amount (E=C-D)
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
Member Agency Funds - SMCTD	Local	23	283	306	306	0
Member Agency Funds-SFCTA (Prop L, previously called Prop K)	Local	477		477	477	0
Member Agency Funds - SMCTD	Local	2,000	400	2,400	2,400	0
STA Capital	State	0	316	316	316	0
Totals		2,500	1,000	3,500	3,500	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
Insufficient resources to perform data collection activities	Zouheir Farah	Identified appropriate resources to be summer interns and as proposed positions in Engineering organization. Specific timeframe for resource availability remains unknown.	TBD
	Terrestrial (stationary) LiDAR unit. Insufficient resources are available to use this equipment and continue with associated data collection and processing activities.		
Received OCS CADD files are not attributed to facilitate a direct import into GIS.	Zouheir Farah	Contacted PCEP project team and requested additional information be incorporated into the CADD files and/or to provide a corresponding table to import attributes to the corresponding OCS features.	TBD
	On-going		
Review of QA/QC check sets for Underground Utility Mapping	Lou Tolentino	Comments are resolved	12/30/2023
	Resolved		

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

KEY ACTIVITIES - Current Reporting Quarter

Continued to digitize overpasses, grade crossings, storm drains, and update access gates.

NEXT KEY ACTIVITIES

Continue to digitize overpasses, grade crossings, storm drains, Overhead Contact System (OCS) structures, signals, ROW data, underground utilities, and update access gates. Publish revised Digital Elevation Model (DEM) as a Web Map Tile Service (WMTS) to the Azure Binary Large Object and a Storage (BLOB) and integrate into the layer stack of the GIS Viewer Schedule. Waiting from HR to provide latest GIS Analysts II candidates.

PROJECT NOTES

Based on new estimation from the PM we reduced the Estimation at completion (EAC)

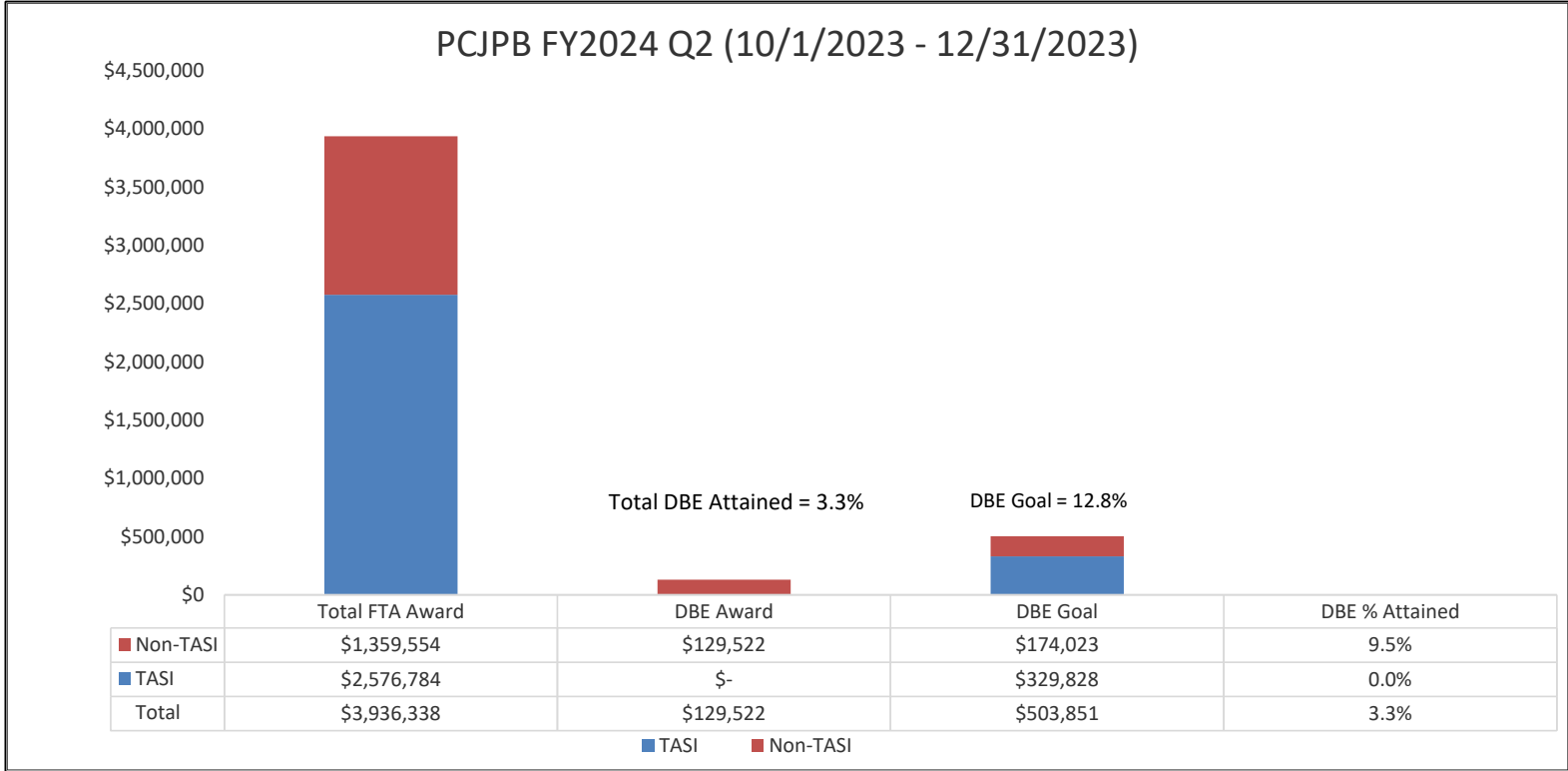
PROJECT PHOTOS

None.

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%. The quarterly DBE attainment was 3.3% for both TASI and Non-TASI combined.

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 > 6 months	Red
		Delay between 1-6 months	Yellow
		Early, on time, or delay < 1 month	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.

CPI (Cost Performance Index)

A measure of the financial effectiveness and efficiency of a project. It represents the amount of completed work for every unit of cost spent. As a ratio it is calculated by dividing the budgeted cost of work completed, or Earned Value (EV), by the Actual Cost (AC) of the work performed.

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.

Earned Value (EV)

The physical work accomplished in terms of the cost estimates for activities fully or partially completed at the end of a reporting period.

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.

Planned Value (PV)

The estimated cost of work planned to be accomplished at a given period based on the project assigned baseline.

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.

SPI (Schedule Performance Index)

A measure of the actual project progress compared to its planned progress at the closing of the current period based on the current assigned baseline. It is calculated by dividing the budgeted cost of work performed, or Earned Value (EV), by the budgeted cost of work planned, or Planned Value (PV) for the current period.

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

16-Jan-24 13:37

Activity ID	Activity Name	BL Project Start	Start	BL Project Finish	Finish	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
002088	25th Ave Grade Separation	20-Jul-15	20-Jul-15 A	26-Oct-23	31-Aug-24	31-Aug-24, 002088: 25th Ave Gr...										
	002088.A10 Project Milestone	20-Jul-15	20-Jul-15 A	26-Oct-23	31-Aug-24	31-Aug-24, 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											
GC1230	Station Opening			26-Apr-21	26-Apr-21 A											
GC1240	Construction Completion			12-Aug-22	12-Aug-22 A											
GC1180	Gate 7 - Start-Up / Turnover Complete				26-Jan-23 A											
GC1120	Gate 8 - Project Closeout Complete			26-Oct-23	31-Aug-24*											
002113	Guadalupe Bridges Replacement	21-Aug-17	21-Aug-17 A	07-Dec-25	16-May-25	16-May-25, 002113: Guadalupe B...										
	002113.A10 Project Milestones	21-Aug-17	21-Aug-17 A	07-Dec-25	16-May-25	16-May-25, 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											
A1210	95% design			01-Nov-21	01-Nov-21 A											
A1220	100% Design			20-Nov-21	20-Nov-21 A											
A1270	Completion of Arbitration with UPRR			07-Apr-22	07-Apr-22 A											
A1300	Main Contract Award			06-Oct-22	06-Oct-22 A											
A1180	LNTP	21-Nov-22	21-Nov-22 A													
A1310	PCEP Completes Removal of MT2 OCS				08-Feb-23 A											
A1280	Return of MT2 to PCEP for OCS Reinstallation				21-Oct-23 A											
A1260	ACE Cost Sharing Agreement				15-Dec-23 A											
A1440	UPRR Construction & Maintenance Agreement				02-Jan-24*											
A1190	Gate 6 - Substantial Completion			08-Sep-25	17-Jan-25											
A2340	Gate 7 - Start-Up / Turnover Complete			08-Oct-25	16-Feb-25*											
A1010	Gate 8 - Project Closeout Complete			07-Dec-25	16-May-25*											
002146	South San Francisco Station Improvement	12-Jun-17	12-Jun-17 A	30-Jun-23	30-Jun-24	30-Jun-24, 002146: South San F..										
	002146.A10 Project Milestone	12-Jun-17	12-Jun-17 A	30-Jun-23	30-Jun-24	30-Jun-24, 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			07-Oct-21	07-Oct-21 A											
M1180	Station Opening			13-Jan-22	13-Jan-22 A											
M1160	Substantial Completion			22-Dec-22	22-Dec-22 A											
M1170	Gate 7 - Start-Up / Turnover Complete			22-Dec-22	22-Dec-22 A											
M1120	Gate 8 - Project Closeout Complete			30-Jun-23	30-Jun-24*											

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



Caltrain Capital Program
Project's Major Milestones

16-Jan-24 13:37

Activity ID	Activity Name	BL Project Start	Start	BL Project Finish	Finish	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
002152 South Linden & Scott Grade Separation		01-Jan-18	01-Jan-18 A	31-Jan-32	31-Jan-32											
002152.A10 Milestones		01-Jan-18	01-Jan-18 A	31-Jan-32	31-Jan-32											
A1110	Gate 1 - Project Initiation	01-Jan-18	01-Jan-18 A													
A1420	Gate 2 - 15% Development Complete			31-May-22	31-May-22 A											
A1500	Award Preliminary Design Contract			04-May-23	04-May-23 A											
A1350	Environmental Clearance Complete			31-Mar-24	31-Mar-24*											
A1360	Final Design RFP				01-Nov-24*											
A1320	Gate 3 - 35% Development Complete			31-May-25	31-May-25											
A1330	Gate 4 - 65% Development Complete			31-Dec-25	31-Dec-25											
A1200	Gate 5 - 100% Development/IFB Complete			30-Apr-27	30-Apr-27											
A1210	IFB			01-Oct-27	01-Oct-27											
A1340	ROW Permits Complete			31-Mar-28	31-Mar-28*											
A1220	Main Contract Award Board Approval			30-Apr-28	30-Apr-28											
A1290	NTP	01-May-28	01-May-28													
A1160	Gate 6 - Substantial Completion			30-Jun-31	30-Jun-31											
A1300	Gate 7 - Start-Up / Turnover Complete			31-Oct-31	31-Oct-31											
A1180	Gate 8 - Project Closeout Complete			31-Jan-32	31-Jan-32*											
100233 MP-36 Locomotive Mid-Life Overhaul		01-Apr-17	01-Apr-17 A	30-Aug-24	31-Mar-25											
100233.A10 Milestones		01-Apr-17	01-Apr-17 A	30-Aug-24	31-Mar-25											
A1110	Gate 1 - Project Initiation	01-Apr-17	01-Apr-17 A													
A1220	Main Contract Award Board Approval			30-Apr-20	02-Apr-20 A											
A1290	NTP			16-Jun-20	16-Jun-20 A											
A1310	Unit 924 Conditional Acceptance				20-Apr-23 A											
A1320	Unit 925 Conditional Acceptance				20-Nov-23 A											
A1330	Unit 926 Conditional Acceptance				15-Jan-24*											
A1340	Unit 928 Conditional Acceptance				30-Sep-24*											
A1350	Unit 923 Conditional Acceptance				15-Dec-24*											
A1160	Gate 6 - Substantial Completion			21-Feb-24	15-Dec-24*											
A1300	Gate 7 - Start-Up / Turnover Complete			31-May-24	30-Dec-24*											
A1180	Gate 8 - Project Closeout Complete			30-Aug-24	31-Mar-25*											
100240 Ticket Vending Machine Rehab Program		01-Jan-18	01-Jan-18 A	30-Dec-23	30-Mar-24											
100240.A10 Project Milestone		01-Jan-18	01-Jan-18 A	30-Dec-23	30-Mar-24											
A1000	Project Start	01-Jan-18	01-Jan-18 A													
A1200	Bid Openning			21-Sep-18	21-Sep-18 A											
A1210	LNTP	06-Dec-18	06-Dec-18 A													
A1220	Contract Award			30-Apr-19	30-Apr-19 A											
A1230	Phase 1 NTP	01-Jul-21	01-May-19 A													
A1240	Phase 2 NTP	25-Feb-20	25-Feb-20 A													
A1170	Phase 1 Complete			31-Oct-20	31-Oct-20 A											
A1150	Phase 2 Complete			18-Mar-21	18-Mar-21 A											
A1250	Phase 3 NTP	14-Sep-21	14-Sep-21 A													
A1190	Phase 4 NTP	01-Mar-22	01-Mar-22 A													
A1160	Phase 3 Complete			24-May-22	24-May-22 A											
A1290	Phase 5 NTP	01-Oct-22	01-Oct-22 A													

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



Caltrain Capital Program

Project's Major Milestones

16-Jan-24 13:37

Activity ID	Activity Name	BL Project Start	Start	BL Project Finish	Finish	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
A1280	Phase 4 Complete			31-Mar-23	12-May-23 A	Complete										
A1330	Phase 5 Complete				30-Nov-23 A	Phase 5 Complete										
A1300	Gate 6 - Substantial Completion (Phase 5)			30-Jun-23	25-Jan-24*	◆ Gate 6 - Substantial Completio...										
A1310	Gate 7 - Start-Up / Turnover Complete			30-Sep-23	25-Jan-24	◆ Gate 7 - Start-Up / Turnover C...										
A1010	Gate 8 - Project Closeout Complete			30-Dec-23	30-Mar-24*	◆ Gate 8 - Project Closeout Comp...										
100244 Burlingame Broadway Grade Separation		18-Dec-17	18-Dec-17 A	31-Dec-28	03-Apr-29	▶ 03-Apr-29, 100244 Burlingame ...										
100244.A10 Project Milestones		18-Dec-17	18-Dec-17 A	31-Dec-28	03-Apr-29	▶ 03-Apr-29, 100244.A10 Project...										
A1000	Project Start	18-Dec-17	18-Dec-17 A													
A1190	DCE application to FTA for NEPA clearance			31-Jan-20	31-Jan-20 A											
A1210	Final Design Award			05-Nov-20	05-Nov-20 A											
A1220	Final Design NTP	04-Jan-21	04-Jan-21 A													
A1310	Burlingame/Broadway Paralleling Station - PS-3 MOU			02-Sep-21	02-Sep-21 A											
A1170	Preliminary Design 35%			07-Jan-22	07-Jan-22 A											
A1290	Closed Value Engineering Work			07-Jan-22	07-Jan-22 A											
A1230	Gate 4 - 65% Development Complete			26-Jan-23	26-Jan-23 A	Development Compl...										
A2120	Issue CMGC Services RFP				16-Aug-23 A	Issue CMGC Services RFP										
A2100	Authorize Funding for CMGC Pre-Construction Phase			07-Dec-23	07-Dec-23 A	Authorize Funding for CMGC Pre...										
A2110	Award Contract for CMGC Services			04-Jan-24	15-Mar-24*	◆ Award Contract for CMGC Servic...										
A2000	Gate 5 - 100% Development Complete / IFB			30-Sep-24	17-Jan-25	◆ Gate 5 - 100% Development Comp...										
A2050	TCP				01-Apr-25*	◆ TCP										
A1180	Environmental Clearance Complete			30-Apr-24	19-May-25*	◆ Environmental Clearance Comple...										
A2010	Main Contract Award			30-Nov-24	01-Jul-25*	◆ Main Contract Award										
A1260	NTP	01-Feb-25	01-Oct-25*			◆ NTP										
A2040	ROW Permits Complete			31-Aug-24	06-Apr-26*	◆ ROW Permits Complete										
A1060	Gate 6 - Substantial Completion			30-Apr-28	02-Oct-28*	◆ Gate 6 - Substantial Completi...										
A1070	Gate 7 - Start-Up / Turnover Complete			31-Jul-28	01-Dec-28*	◆ Gate 7 - Start-Up / Turnover C...										
A1010	Gate 8 - Project Closeout Complete			31-Dec-28	03-Apr-29*	◆ Gate 8 - Project Closeout Comp...										
100403 Broadband Wireless Communications System		11-Nov-19	11-Nov-19 A	31-Dec-24	31-Dec-24	▶ 31-Dec-24, 100403 Broadband W...										
100403.A10 Project Milestone		11-Nov-19	11-Nov-19 A	31-Dec-24	31-Dec-24	▶ 31-Dec-24, 100403.A10 Project...										
A1000	Project Start	11-Nov-19	11-Nov-19 A													
A1020	Notice to Proceed	11-Nov-19	11-Nov-19 A													
A1120	Requirements Gathering			13-Feb-20	13-Feb-20 A											
A1130	RF Study			10-Aug-20	10-Aug-20 A											
A1140	Rough Cost Estimate			21-Aug-20	21-Aug-20 A											
A1150	Conceptual Design			19-Nov-20	19-Nov-20 A											
A1170	IFB			08-Oct-21	08-Oct-21 A											
A1230	Live Demonstration			20-May-22	20-May-22 A											
A1290	Project Update to the Board			04-Aug-22	04-Aug-22 A	Project Update to the Board										
A1190	Main Contract Award			01-Dec-22	01-Dec-22 A	Main Contract Award										
A1250	NTP	03-Jan-23	03-Jan-23 A													
A1180	Gate 6 - Substantial Completion			30-Aug-24	30-Aug-24	◆ Gate 6 - Substantial Completio...										
A1220	Gate 7 - Start-Up / Turnover Complete			30-Sep-24	30-Sep-24*	◆ Gate 7 - Start-Up / Turnover C...										
A1010	Gate 8 - Project Closeout Complete			31-Dec-24	31-Dec-24	◆ Gate 8 - Project Closeout Comp...										
100426 Churchill Ave Grade Crossing		01-Sep-19	01-Sep-19 A	31-Aug-24	07-Sep-24	▶ 07-Sep-24, 100426 Churchill A...										

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



Caltrain Capital Program
Project's Major Milestones

16-Jan-24 13:37

Activity ID	Activity Name	BL Project Start	Start	BL Project Finish	Finish	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
100426.A10 Project Milestone		01-Sep-19	01-Sep-19 A	31-Aug-24	07-Sep-24	07-Sep-24, 100426.A10: Project...										
A1000	Project Start	01-Sep-19	01-Sep-19 A													
A1140	35% Design Complete			02-Mar-20	02-Mar-20 A											
A1150	65% Design Complete			01-Jul-21	01-Jul-21 A											
A1160	Gate 5 - 100% Development Complete / IFB			26-May-22	26-May-22 A											
A1170	IFB			01-Aug-22	01-Aug-22 A											
A1180	Main Contract Award			03-Aug-23	03-Aug-23 A											
A1190	LNTP	01-Sep-23	08-Sep-23 A													
A1200	Gate 6 - Substantial Completion			30-Apr-24	07-May-24	◆ Gate 6 - Substantial Completio...										
A1230	Gate 7 - Start-Up / Turnover Complete			31-May-24	07-Jun-24	◆ Gate 7 - Start-Up / Turnover C...										
A1010	Gate 8 - Project Closeout Complete			31-Aug-24	07-Sep-24*	◆ Gate 8 - Project Closeout Comp...										
100427 San Francisquito Creek Bridge Conceptual Desig		02-Mar-21	02-Mar-21 A	30-Jun-34	30-Jun-34											
100427.A10 Milestones		02-Mar-21	02-Mar-21 A	30-Jun-34	30-Jun-34											
A1110	Project Start	02-Mar-21	02-Mar-21 A													
A1350	Gate 2 - 15% Development Complete			31-Dec-25	31-Dec-25*	◆ Gate 2 - 15% Development Compl...										
A1120	Gate 3 - 35% Development Complete			31-Dec-27	29-Dec-27*	◆ Gate 3 - 35% Development Compl...										
A1300	Environmental Clearance Complete			31-Dec-27	30-Dec-27	◆ Environmental Clearance Comple...										
A1320	Design Contract IFB/W DPR			31-Mar-28	31-Mar-28*	◆ Design Contract IFB/W DPR										
A1150	Gate 4 - 65% Development Complete			31-Dec-29	31-Dec-29*	◆ Gate 4 - 65% Development Compl...										
A1200	Gate 5 - 100% Development Complete / IFB			31-Dec-31	31-Dec-31	◆ Gate 5 - 100% Development Compl...										
A1220	Main Contract Award			01-Jan-32	01-Jan-32	◆ Main Contract Award										
A1290	NTP			01-Feb-32	01-Feb-32*	◆ NTP										
A1160	Gate 6 - Substantial Completion			31-Aug-33	31-Aug-33	◆ Gate 6 - Substantial Completion										
A1190	Gate 7 - Start-Up / Turnover Complete			28-Feb-34	28-Feb-34	◆ Gate 7 - Start-Up / Turnover Complete										
A1180	Gate 8 - Project Closeout Complete			30-Jun-34	30-Jun-34	◆ Gate 8 - Project Closeout Complete										
100430 CCF-BCCF Virtualization		15-Jun-20	15-Jun-20 A	30-Mar-24	30-Sep-24	30-Sep-24, 100430: CCF-BCCF: Vi...										
100430.A10 Milestones		15-Jun-20	15-Jun-20 A	30-Mar-24	30-Sep-24	30-Sep-24, 100430.A10: Milesto...										
A1110	Project Start	15-Jun-20	15-Jun-20 A													
A1230	Preliminary Engineering			06-Jul-21	06-Jul-21 A											
A1220	Main Contract Award			15-Dec-21	15-Dec-21 A											
A1290	NTP			15-Dec-21	15-Dec-21 A											
A1160	Gate 6 - Substantial Completion			30-Sep-23	15-May-24*	◆ Gate 6 - Substantial Completio...										
A1170	Gate 7 - Start-Up / Turnover Complete			31-Dec-23	31-Jul-24*	◆ Gate 7 - Start-Up / Turnover C...										
A1180	Gate 8 - Project Closeout Complete			30-Mar-24	30-Sep-24*	◆ Gate 8 - Project Closeout Comp...										
100432 Migration to Digital Voice Radio System		06-Jan-21	06-Jan-21 A	30-Jan-25	30-Jan-25	30-Jan-25, 100432: Migration t...										
100432.A10 Milestones		06-Jan-21	06-Jan-21 A	30-Jan-25	30-Jan-25	30-Jan-25, 100432.A10: Milesto...										
A1110	Gate 1 - Project Initiation	06-Jan-21	06-Jan-21 A													
A1200	Gate 5 - 100% Development Complete / IFB			12-Jun-23	25-May-23 A	◆ Gate 5 - 100% Development Comp...										
A1300	Gate 6 - Substantial Completion			01-Oct-24	01-Oct-24*	◆ Gate 6 - Substantial Completio...										
A1160	Gate 7 - Start-Up / Turnover Complete			01-Dec-24	01-Dec-24*	◆ Gate 7 - Start-Up / Turnover C...										
A1180	Gate 8 - Project Closeout Complete			30-Jan-25	30-Jan-25*	◆ Gate 8 - Project Closeout Comp...										
100439 Bayshore Station Overpass Pedestrian Bridge Re		01-Jan-20	01-Jan-20 A	31-Mar-23	30-May-24	30-May-24, 100439: Bayshore St...										
100439.A10 Project Milestone		01-Jan-20	01-Jan-20 A	31-Mar-23	30-May-24	30-May-24, 100439.A10: Project...										

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



Caltrain Capital Program
Project's Major Milestones

16-Jan-24 13:37

Activity ID	Activity Name	BL Project Start	Start	BL Project Finish	Finish	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
A1000	Project Start	01-Jan-20	01-Jan-20 A													
A1140	100% IFB Package			01-Jul-21	01-Jul-21 A											
A1070	IFB Advertising			01-Dec-21	01-Dec-21 A											
A1080	Award Construction Contract			07-Apr-22	07-Apr-22 A											
A1100	LNTF	01-May-22	01-May-22 A													
A1120	NTP	30-Jun-22	30-Jun-22 A													
A1130	Gate 6 - Substantial Completion			30-Nov-22	28-Feb-24*											
A1060	Gate 7 - Start-Up / Turnover Complete			31-Jan-23	28-Feb-24											
A1010	Gate 8 - Project Closeout Complete			31-Mar-23	30-May-24*											
100445 Automatic Passenger Counters at 4th & King		01-Dec-19	01-Dec-19 A	31-Dec-23	25-Jan-24											
100445.A10 Project Milestone		01-Dec-19	01-Dec-19 A	31-Dec-23	25-Jan-24											
A1000	Project Start	01-Dec-19	01-Dec-19 A													
A1060	Issue RFP			01-May-20	01-May-20 A											
A1080	Main Contract Award			03-Feb-21	03-Feb-21 A											
A1100	Gate 6 - Substantial Completion			30-Sep-23	30-Sep-23 A											
A1110	Gate 7 - Start-Up / Turnover Complete			31-Oct-23	31-Oct-23 A											
A1010	Gate 8 - Project Closeout Complete			31-Dec-23	25-Jan-24*											
100449 Next Generation VMS		01-May-20	01-May-20 A	15-Sep-25	15-Sep-25											
100449.A10 Project Milestone		01-May-20	01-May-20 A	15-Sep-25	15-Sep-25											
A1000	Gate 1 - Project Initiation	01-May-20	01-May-20 A													
A1060	Gate 3 - 35% Development Complete				15-Feb-22 A											
A1120	Gate 5 - 100% Development Complete / IFB			09-Mar-23	09-Mar-23 A											
A1080	Main Contract Award			03-Aug-23	03-Aug-23 A											
A1110	LNTF	15-Sep-23	15-Sep-23 A													
A1100	Gate 6 - Substantial Completion			15-Mar-25	15-Mar-25*											
A1220	Gate 7 - Start-Up / Turnover Complete			15-Jun-25	15-Jun-25*											
A1010	Gate 8 - Project Closeout Complete			15-Sep-25	15-Sep-25*											
100459 22nd Street ADA Improvement		03-Feb-20	03-Feb-20 A	01-Oct-26	01-Oct-26											
100459.A10 Milestones		03-Feb-20	03-Feb-20 A	01-Oct-26	01-Oct-26											
A1110	Gate 1 - Project Initiation	03-Feb-20	03-Feb-20 A													
A1420	Gate 2 - 15% Development Complete			21-Mar-23	21-Mar-23 A											
A1380	Design Contract IFB/W DPR			26-Apr-23	26-Apr-23 A											
A1320	Gate 3 - 35% Development Complete			24-Feb-24	24-Feb-24											
A1260	Funding Agreement - SFCTA			01-May-24	01-May-24*											
A1340	Final Design IFB				01-May-24*											
A1350	Final Design Contract Award				01-Jul-24*											
A1330	Gate 4 - 65% Development Complete			01-Sep-24	01-Sep-24*											
A1210	IFB			01-Mar-25	01-Mar-25*											
A1270	Funding Agreement - FTA			01-May-25	01-May-25*											
A1200	Gate 5 - 100% Development/IFB Complete			01-Jun-25	01-Jun-25*											
A1220	Main Contract Award Board Approval			01-Jul-25	01-Jul-25											
A1290	NTP			01-Aug-25	01-Aug-25											
A1160	Gate 6 - Substantial Completion			01-Jun-26	01-Jun-26											
A1300	Gate 7 - Start-Up / Turnover Complete			01-Jul-26	01-Jul-26											

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



Caltrain Capital Program
Project's Major Milestones

16-Jan-24 13:37

Activity ID	Activity Name	BL Project Start	Start	BL Project Finish	Finish	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
A1180	Gate 8 - Project Closeout Complete			01-Oct-26	01-Oct-26											
100482 Rengstorff Grade Separation		05-Aug-19	05-Aug-19 A	30-Jun-28	31-Dec-27	▶ 31-Dec-27, 100482 Rengstorff ...										
100482.A10 Project Milestone		05-Aug-19	05-Aug-19 A	30-Jun-28	31-Dec-27	▶ 31-Dec-27, 100482.A10 Project...										
A1000	Project Initiation	05-Aug-19	05-Aug-19 A													
A1090	MOU/ CO-OP Agreement with the COM for Final Design			06-Oct-22	06-Oct-22 A											
A1060	Gate 3 - 35% Development Complete			31-Oct-22	31-Oct-22 A											
A1080	Design Contract IFB/WDPR				15-May-23 A											
A1190	Award Design Contract				15-Aug-23 A											
A1110	CMGC RFP				20-Jan-24*											
A1070	Gate 4 - 65% Development Complete			31-Jul-24	31-Jul-24*											
A1100	Gate 5 - 100% Development Complete / IFB			30-Jul-25	30-Jul-25											
A1340	Main Contract Award Board Approval			30-Aug-25	30-Aug-25											
A1310	LNTTP	30-Aug-25	30-Aug-25													
A1300	Gate 6 - Substantial Completion			31-Dec-27	30-Aug-27*											
A1500	Gate 7 - Start-Up / Turnover Complete			31-Mar-28	30-Oct-27											
A1010	Gate 8 - Project Closeout Complete			30-Jun-28	31-Dec-27											
100522 Watkins Ave Grade Crossing Safety Improvemen		26-Jun-21	01-Jul-21 A	01-Mar-24	30-Apr-24	▶ 30-Apr-24, 100522 Watkins Ave...										
100522.A10 Milestones		26-Jun-21	01-Jul-21 A	01-Mar-24	30-Apr-24	▶ 30-Apr-24, 100522.A10 Milesto...										
A1110	Project Start	26-Jun-21	01-Jul-21 A													
A1320	Preliminary (35%) Design Complete			01-Oct-21	30-Sep-21 A											
A1350	65% Design Complete			21-Jan-22	21-Jan-22 A											
A1340	Gate 5 - 100% Development Complete / IFB			30-Jul-22	31-Jul-22 A											
A1210	IFB			30-Sep-22	30-Sep-22 A											
A1220	Main Contract Award Board Approval			05-Jan-23	01-Dec-22 A											
A1250	ROW Permits Complete			07-Dec-22	07-Dec-22 A											
A1290	NTP			06-Feb-23	03-Jan-23 A											
A1160	Gate 7 - Start-Up / Turnover Complete			31-Jan-24	25-Jan-24											
A1170	Gate 6 - Substantial Completion			01-Dec-23	25-Jan-24*											
A1180	Gate 8 - Project Closeout Complete			01-Mar-24	30-Apr-24											
100563 FY21-22 Grade Crossing Improvements		24-Feb-22	24-Feb-22 A	30-Dec-25	30-Dec-25	▶ 30-Dec-25, 100563 FY21-22 Gra...										
100563.A10 Milestones		24-Feb-22	24-Feb-22 A	30-Dec-25	30-Dec-25	▶ 30-Dec-25, 100563.A10 Milesto...										
A1110	Gate 1 - Project Initiation	24-Feb-22	24-Feb-22 A													
A1320	Gate 2 - 15% Development Complete			31-May-22	31-May-22 A											
A1330	Gate 4 - 65% Development Complete				26-Jan-23 A											
A1200	Gate 5 - 100% Development Complete / IFB			24-Aug-23	24-Aug-23 A											
A1220	Main Contract Award			04-Jan-24	04-Jan-24											
A1290	NTP			01-Apr-24	01-Apr-24											
A1160	Gate 6 - Substantial Completion			30-Jun-25	30-Jun-25*											
A1300	Gate 7 - Start-Up / Turnover Complete			01-Aug-25	01-Aug-25											
A1180	Gate 8 - Project Closeout Complete			30-Dec-25	30-Dec-25*											
100564 Enterprise Asset Management (EAM) Software S		31-Mar-23	31-Mar-23	31-Dec-25	31-Dec-25	▶ 31-Dec-25, 100564 Enterprise ...										
100564.A10 Milestones		31-Mar-23	31-Mar-23	31-Dec-25	31-Dec-25	▶ 31-Dec-25, 100564.A10 Milesto...										
A1110	Gate 1 - Project Initiation	31-Mar-23	31-Mar-23*													

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



Caltrain Capital Program
Project's Major Milestones

16-Jan-24 13:37

Activity ID	Activity Name	BL Project Start	Start	BL Project Finish	Finish	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
A1230	Planning Complete			30-Jun-23	30-Jun-23	Planning Complete										
A1220	Main Contract Award			06-Jul-23	06-Jul-23	Contract Award										
A1290	NTP			07-Aug-23	07-Aug-23											
A1320	Concept Development Sample Complete			29-Sep-23	30-Sep-23	Concept Development Sample Com...										
A1160	Gate 6 - Substantial Completion			30-Sep-25	30-Sep-25*					◆ Gate 6 - Substantial Completio...						
A1330	Gate 7 - Start-Up / Turnover Complete			30-Nov-25	30-Nov-25*					◆ Gate 7 - Start-Up / Turnover C...						
A1180	Gate 8 - Project Closeout Complete			31-Dec-25	31-Dec-25					◆ Gate 8 - Project Closeout Comp...						
100565 Update and Upgrade GIS System		10-Feb-22	10-Feb-22 A	28-Feb-26	28-Feb-26	28-Feb-26, 100565: Update and ...										
100565.A10 Milestones		10-Feb-22	10-Feb-22 A	28-Feb-26	28-Feb-26	28-Feb-26, 100565.A10 Milesto...										
A1110	Project Start	10-Feb-22	10-Feb-22 A													
A1160	Gate 6 - Substantial Completion			28-Aug-25	28-Aug-25					◆ Gate 6 - Substantial Completio...						
A1180	Gate 7 - Start-Up / Turnover Complete			28-Nov-25	28-Nov-25					◆ Gate 7 - Start-Up / Turnover C...						
A1170	Gate 8 - Project Closeout Complete			28-Feb-26	28-Feb-26*					◆ Gate 8 - Project Closeout Comp...						
100566 San Mateo Grade Crossing Improvements		26-Feb-21	26-Feb-21 A	31-Jan-25	07-Feb-25	07-Feb-25, 100566: San Mateo G...										
100566.A10 Project Milestones		26-Feb-21	26-Feb-21 A	31-Jan-25	07-Feb-25	07-Feb-25, 100566.A10: Project...										
A1110	Project Start	26-Feb-21	26-Feb-21 A													
A1290	Work Plan and SMRC Approval			26-Feb-21	26-Feb-21 A											
A1310	Issue Design Work Directive			22-Mar-21	22-Mar-21 A											
A1120	Gate 5 - Development 100/IFB Complete			28-Jul-22	28-Jul-22 A					◆ Gate 5 - 100% Development/IFB ...						
A1220	Main Contract Award Board Approval			03-Aug-23	03-Aug-23 A					◆ Contract Award Board Appr...						
A1160	NTP	01-Sep-23	08-Sep-23 A							◆ NTP						
A1300	Gate 6 - Substantial Completion			01-Aug-24	08-Aug-24*					◆ Gate 6 - Substantial Completio...						
A1200	Gate 7 - Start-Up / Turnover Complete			01-Sep-24	08-Sep-24*					◆ Gate 7 - Start-Up / Turnover C...						
A1180	Gate 8 - Project Closeout Complete			31-Jan-25	07-Feb-25*					◆ Gate 8 - Project Closeout Comp...						
100572 Communication System SOGR		31-Jul-21	31-Jul-21 A	30-Mar-25	30-Mar-25	30-Mar-25, 100572: Communicati...										
100572.A10 Milestones		31-Jul-21	31-Jul-21 A	30-Mar-25	30-Mar-25	30-Mar-25, 100572.A10: Milesto...										
A1110	Gate 1 - Project Initiation	31-Jul-21	31-Jul-21 A													
A1200	Gate 5 - 100% Development/IFB Complete			22-Jun-23	22-Jun-23 A					◆ Gate 5 - 100% Development/IFB ...						
A1300	Gate 6 - Substantial Completion			01-Oct-24	01-Oct-24*					◆ Gate 6 - Substantial Completio...						
A1160	Gate 7 - Start-Up / Turnover Complete			01-Dec-24	01-Dec-24*					◆ Gate 7 - Start-Up / Turnover C...						
A1180	Gate 8 - Project Closeout Complete			30-Mar-25	30-Mar-25*					◆ Gate 8 - Project Closeout Comp...						
100614 Predictive Arrival/Departure System (PADS) Gap		24-Mar-22	03-Mar-22 A	31-Dec-25	30-Dec-25	30-Dec-25, 100614: Predictive ...										
100614.A10 Milestones		24-Mar-22	03-Mar-22 A	31-Dec-25	30-Dec-25	30-Dec-25, 100614.A10: Milesto...										
A1110	Gate 1 - Project Initiation	24-Mar-22	03-Mar-22 A													
A1210	Gate 4 - 65% Development Complete			30-Jul-23	27-Jul-23 A					◆ Gate 4 - 65% Development Compl...						
A1420	Gate 5 - 100% Development Complete			10-Apr-24	09-Apr-24*					◆ Gate 5 - 100% Development Comp...						
A1290	NTP			04-Jun-24	03-Jun-24					◆ NTP						
A1160	Gate 6 - Substantial Completion			03-Jun-25	02-Jun-25*					◆ Gate 6 - Substantial Completio...						
A1170	Gate 7 - Start-Up / Turnover Complete			01-Oct-25	30-Sep-25*					◆ Gate 7 - Start-Up / Turnover C...						
A1180	Gate 8 - Project Closeout Complete			31-Dec-25	30-Dec-25*					◆ Gate 8 - Project Closeout Comp...						
100617 Mountain View Transit Center and Grade Separat		02-Jan-20	01-Jan-20 A	28-Feb-28	28-Feb-28	28-Feb-28, 100617: Mountain Vi...										
100617.A10 Project Milestone		02-Jan-20	01-Jan-20 A	28-Feb-28	28-Feb-28	28-Feb-28, 100617.A10: Project...										
A1000	Project Start	02-Jan-20	01-Jan-20 A													

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



Caltrain Capital Program
Project's Major Milestones

16-Jan-24 13:38

Activity ID	Activity Name	BL Project Start	Start	BL Project Finish	Finish	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
A1140	Award Design Contract			01-Jul-22	02-Jun-22 A											
A1060	NTP for Final Design	01-Aug-22	22-Jul-22 A													
A1400	IFB (CMGC)			22-Aug-22	22-Aug-22 A											
A1460	Pre-Construction (CMGC) Board Award			01-Jun-23	01-Jun-23 A											
A1480	Construction Management RFP			01-Jan-24	01-Jan-24											
A1390	Gate 4 - 65% Development Complete			30-Apr-24	30-Apr-24*											
A1470	Environment Clearance Complete			30-Jun-24	30-Jun-24*											
A1070	Gate 5 - 100% Development Complete/IFB			01-Dec-24	01-Dec-24*											
A1120	Main Contract Award			01-Jan-25	01-Jan-25*											
A1300	ROW Permits Complete			01-Jan-25	01-Jan-25*											
A1080	NTP	01-Feb-25	01-Feb-25*													
A1100	Gate 6 - Substantial Completion			31-Oct-27	31-Oct-27											
A1410	Gate 7 - Start-UP/Turnover Complete			31-Dec-27	31-Dec-27*											
A1010	Gate 8 - Project Closeout Complete			28-Feb-28	28-Feb-28*											
100676 San Mateo Replacement Parking Track		27-Apr-23	27-Apr-23 A	31-Aug-25	31-Aug-25											
100676.A10 Milestones		27-Apr-23	27-Apr-23 A	31-Aug-25	31-Aug-25											
A1230	Gate 4 - 65% Development Complete			27-Apr-23	27-Apr-23 A											
A1500	Gate 5 - 100% Development/IFB Complete			27-Jul-23	27-Jul-23 A											
A1210	IFB			21-Aug-23	21-Aug-23 A											
A1220	Main Contract Award Board Approval			07-Dec-23	07-Dec-23 A											
A1290	NTP	01-Mar-24	01-Mar-24*													
A1160	Gate 6 - Substantial Completion			27-Feb-25	28-Feb-25*											
A1300	Gate 7 - Start-Up / Turnover Complete			31-May-25	31-May-25*											
A1180	Gate 8 - Project Closeout Complete			31-Aug-25	31-Aug-25*											
100684 Mini High Platform		22-Feb-22	22-Feb-22 A	01-Jun-25	01-Jun-25											
100684.A10 Milestones		22-Feb-22	22-Feb-22 A	01-Jun-25	01-Jun-25											
A1110	Gate 1 - Project Initiation	22-Feb-22	22-Feb-22 A													
A1320	Gate 3 - 35% Development Complete			31-Mar-22	31-Mar-22 A											
A1340	ROW Permits Complete			14-May-22	14-May-22 A											
A1350	Environmental Clearance Complete			14-May-22	14-May-22 A											
A1200	Gate 5 - 100% Development Complete / IFB			24-Aug-23	24-Aug-23 A											
A1250	Invitation For Bid (IFB)				24-Oct-23 A											
A1220	Main Contract Award			07-Dec-23	04-Jan-24											
A1290	NTP			05-Feb-24	05-Feb-24											
A1160	Gate 6 - Substantial Completion			31-Dec-24	31-Dec-24											
A1300	Gate 7 - Start-Up / Turnover Complete			01-Mar-25	01-Mar-25*											
A1180	Gate 8 - Project Closeout Complete			01-Jun-25	01-Jun-25*											
100759 San Francisco Creek Bridge Acoustic Monitori		23-Feb-23	23-Feb-23 A	30-Apr-26	30-Apr-26											
100759.A10 Milestones		23-Feb-23	23-Feb-23 A	30-Apr-26	30-Apr-26											
A1110	Gate 1 - Project Initiation	23-Feb-23	23-Feb-23 A													
A1200	Gate 5 - 100% Development/IFB Complete			31-Aug-24	31-Aug-24											
A1220	Award - Construction/Implementation Contract			01-Mar-25	01-Mar-25											
A1290	NTP - Construction/Implementation Contract			30-Apr-25	30-Apr-25											
A1160	Gate 6 - Substantial Completion			29-Nov-25	29-Nov-25											

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



Caltrain Capital Program
Project's Major Milestones

16-Jan-24 13:38

Activity ID	Activity Name	BL Project Start	Start	BL Project Finish	Finish	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	
A1300	Gate 7 - Start-Up / Turnover Complete			31-Jan-26	31-Jan-26												
A1180	Gate 8 - Project Closeout Complete			30-Apr-26	30-Apr-26												

◆ Gate 7 - Start-Up / Turnover Complete
◆ Gate 8 - Project Closeout Complete

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