



Capital Program

Quarterly Status Report and DBE Status Report



3rd Quarter Fiscal Year 2024 (January to March 2024)

Prepared for the June 06, 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. 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 availability of funds from each source is anticipated to support the ongoing progress and timely completion of the project. The "Funding" status light will remain "Red" until FY24 funding appropriated by the Board in June 2023 is made available to the project.

3. 002146 - South San Francisco Station Improvement Project

- **Schedule:** Union Pacific Railroad (UPRR) track lost due to construction: Project is still addressing an obligation to UPRR to fund rebuilding of 4,200' of yard track that UPRR lost, due to construction of this project. Negotiating a cash settlement with UPRR. Draft cost of \$5.17M is within available budget. TA prefers to close the book by end of FY24. Draft agreement reviewed by legal and forwarded to UPRR on 12/29/23. Follow on meeting held with UPRR on 4/15/24 to continue negotiation on two open items (cost and short line language).

4. 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.

5. 100244 - Broadway Burlingame Grade Separation

- **Schedule/Budget:** Right-of-way acquisition is forecasted to impact the project schedule and budget, as reflected in both red status lights above. The production of acquisition maps and the lack of eligible funding are contributing factors, both of which are being expedited through the designer and funding partners.

6. 100403 - Broadband Wireless Communications System

- **Funding:** Project is currently awaiting a decision on the SRA/TRCIP fund swap. The remaining activated funds are insufficient to cover the construction phase for the next six months. As a result, the "Funding" status light will remain "Red" until the remaining funds are made available to the project.

7. 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.

8. 100617 - Mountain View Transit Center Grade Separation & Access Project

- **Schedule:** Delay due to City's decision: The City of Mountain View is targeting late fall/early winter to present at its next City Council Meeting an update of the project costs and possible reprioritization of both grade separation projects: Rengstorff or Castro. May 2024 time frame is when the project will go back to Management Committee to obtain gate approval from 65% to 95% design along with re-baselining, scope, budget, and schedule after successful cost negotiations with the Design and Pre-Construction CMGC contractors.

9. 100667 - Bernardo Avenue Undercrossing (Project Number Closed)

- **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.

10. 100668 - Mary Ave Grade Separation

- **Schedule:** This project is on pause on the City's end while they prioritize moving the Bernardo Ave Undercrossing forward. Once the City is ready, Caltrain will execute a new Agreement to advance the project in Preliminary engineering phase. Once the new Agreement is executed, the project will be presented to Management Committee for Gate 2 and a new project number will be issued.

11. 100684 - Mini-High Platforms

- **Funding:** The current remaining activated funds are insufficient to cover the construction phase for the next six months. The FY25 Board approved funds are not yet available for this project, resulting in a 'Red' status for funding. Continue to monitor the situation and update the funding status once the necessary funds are made available.

12. 100687 - Downtown Rail Extension (DTX)

- **Schedule:** The project's schedule delay stems from its management not being led by Caltrain and its division into multiple contract packages, totaling five, each at different stages of design. The 4KY contract package lags the furthest behind, with only 35% design completion expected by fall. This delay is primarily attributed to the challenges posed by construction within Caltrain's operational railway. The Transbay Joint Powers Authority (TJPA) is collaborating with Caltrain to investigate inventive design solutions enabling uninterrupted operations during construction.

13. 100703 - 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. It is anticipated the project will go before the Management Committee in June, 2024 for Gate 3 and also request schedule and budget re-baseline.

14. 100785 - 4th & King Yard Preparation (4KY)

- **Schedule:** The separation of the project into two packages caused 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 TJPA to develop an agreed upon, joint project schedule. We can look into rebaselining the schedule when it is complete.

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

- **Safety:** On March 19, 2024, a car driven by an unknown driver swayed away from the driving lane of Highway 87 and collided into the adjacent project site fencing located next to the entrance gate (off the highway 87) and damaged the fence. No one was injured. A police report was filed. Initial investigation suggested that this was not associated with project work.

2. 002152 - South Linden Avenue and Scott Street Grade Separation

- **Schedule:** Delay in completion of Preliminary Studies (Value Engineering): Pending decision by the Cities, Caltrain and key Stakeholders by the end of July 2024.

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

- **Funding/Budget:** 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.

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. 100426 - Churchill Avenue Grade Crossing

- **Schedule:** The schedule has been delayed due to delays with City of Palo Alto's work is impacting completion of JPB's contractor work. The Project Manager will request approval of a revised schedule from the Management Committee in May 2024.

6. 100449 - Next Generation Visual Messaging Sign (VMS)

- **Funding:** The remaining funds will only be available starting FY25. Activate the FY25 approved budget when it is available.

7. 100482 - Rengstorff Grade Separation

- **Schedule:** The schedule slipped due to delays in the final design procurement. Expedite final design and CMGC TCP.

8. 100563 - FY21-22 Grade Crossing Improvements




Schedule: The TASI Work Directive is experiencing a delay due to disparities in scope and cost. TASI's initial proposal included additional tasks that are not necessary. A revised proposal will be submitted for review, and once approved, the work directive will be executed.

9. 100676 - San Mateo Replacement Parking Track

- **Funding:** Additional funding is required to be activated to cover construction phase of the project. Transfer of \$1.5M in SMCTA funds from 25th Ave project to this project has been completed by budgets and the funds are now activated. \$3.77M in LPP funds still need to be received and activated. Grants staff are working on the Program Supplement with Caltrans, will proceed with requesting Pre-approval Spending Authority (PASA), if needed.

Performance Summary

Table S1. Projects in each status light by performance category

Status Light	Safety	Schedule	Budget	Funding
 Green	97.3%	56.8%	89.2%	83.8%
 Yellow	2.7%	13.5%	2.7%	8.1%
 Red	0.0%	29.7%	8.1%	8.1%

(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	12	32.4%
Improved	4	10.8%
Got worse	10	27.0%
Stayed the same (except all green)	11	29.7%
Total Projects	37	

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

Table S3. Individual Projects

Project Number	Title	Safety		Schedule		Budget		Funding		Page
		Q2	Q3	Q2	Q3	Q2	Q3	Q2	Q3	
CONSTRUCTION/IMPLEMENTATION										
ROW Bridges										
002113	Guadalupe River Bridges Replacement and Extension	●	●	●	●	●	●	●	●	8
100762	San Francisquito Creek Emergency Bank Stabilization	●	●	●	●	●	●	●	●	15
Stations										
100761	Level Boarding Roadmap (Study)	●	●	●	●	●	●	●	●	21
ROW Grade Crossings										
100426	Churchill Avenue Grade Crossing	●	●	●	●	●	●	●	●	25
100563	FY21-22 Grade Crossing Improvements	●	●	●	●	●	●	●	●	28
100566	San Mateo Grade Crossing Improvements	●	●	●	●	●	●	●	●	31
ROW Communications & Signals										
100403	Broadband Wireless Communications System	●	●	●	●	●	●	●	●	36
100432	Migration to Digital Voice Radio System	●	●	●	●	●	●	●	●	40
100449	Next Generation Visual Messaging Sign (VMS)	●	●	●	●	●	●	●	●	43
100572	Communication System SOGR	●	●	●	●	●	●	●	●	46
Miscellaneous										
100233	MP-36 Locomotive Mid-Life Overhaul Project	●	●	●	●	●	●	●	●	50
100430	CCF BCCF Virtualization	●	●	●	●	●	●	●	●	54
100676	San Mateo Replacement Parking Track	●	●	●	●	●	●	●	●	58
100684	Mini-High Platforms	●	●	●	●	●	●	●	●	61
DESIGN (includes Preliminary and Final Design, and Procurement)										
Grade Separations										
002152	South Linden & Scott Grade Separation	●	●	●	●	●	●	●	●	65
100244	Broadway Burlingame Grade Separation	●	●	●	●	●	●	●	●	68
100482	Rengstorff Grade Separation	●	●	●	●	●	●	●	●	72
100617	Mountain View Transit Center Grade Separation & Access Project	●	●	●	●	●	●	●	●	76
Stations										
100459	22nd Street ADA Improvement	●	●	●	●	●	●	●	●	81
ROW Bridges										
100759	San Francisquito Creek Bridge Acoustic Monitoring System	●	●	●	●	●	●	●	●	85

Table S3. Individual Projects (Continued)

Project Number	Title	Safety		Schedule		Budget		Funding		Page
		Feb	Mar	Feb	Mar	Feb	Mar	Feb	Mar	
ROW Communications & Signals										
100614	Predictive Arrival/Departure System (PADS) Gap Coverage	●	●	●	●	●	●	●	●	89
Miscellaneous										
100780	MS4 Trash Management	●	●	●	●	●	●	●	●	93
100785	4th & King Yard Preparation (4KY)	●	●	●	●	●	●	●	●	96
PLANNING (includes Initiation and Design to 15%)										
Grade Separations										
100410	Whipple Avenue Grade Separation Study	●	●	●	●	●	●	●	●	102
100667	Bernardo Avenue Undercrossing	●	●	●	●	●	●	●	●	104
100668	Mary Ave Grade Separation	●	●	●	●	●	●	●	●	106
100687	Downtown Rail Extension (DTX)	●	●	●	●	●	●	●	●	109
100703	Middle Avenue Undercrossing	●	●	●	●	●	●	●	●	112
100733	North Fair Oaks Bike and Pedestrian Crossing	●	●	●	●	●	●	●	●	115
100776	Connecting Palo Alto	●	●	●	●	●	●	●	●	119
ROW Bridges										
100427	San Francisquito Creek Bridge Conceptual Design & Community Engagement	●	●	●	●	●	●	●	●	123
CLOSEOUT (includes Start-up/Turnover and Closeout)										
Grade Separations										
002088	25th Avenue Grade Separation	●	●	●	●	●	●	●	●	128
Stations										
002146	South San Francisco Station Improvement	●	●	●	●	●	●	●	●	134
ROW Bridges										
100439	Bayshore Station Overpass Pedestrian Bridge Rehab	●	●	●	●	●	●	●	●	140
ROW Grade Crossings										
100522	Watkins Ave Grade Crossing Safety Improvements	●	●	●	●	●	●	●	●	145
Fare Collection										
100240	Ticket Vending Machines (TVM) Rehab	●	●	●	●	●	●	●	●	149
Miscellaneous										
100445	Automatic Passenger Counters at San Francisco 4th & King Station	●	●	●	●	●	●	●	●	155
Projects with Deferred Funding										
Miscellaneous										
100564	Enterprise Asset Management (EAM) Software System									160
100565	Update and Upgrade GIS System									163

Note: The Total EAC (Estimated at Completion) for the projects shown above is: \$ 3,094,294,948









**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 	R 
Previous	Y 	G 	G 	Y 

Progress (%)	Change Prev. Qtr.	EAC/Budget
58.5%	7.81%	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 availability of funds from each source is anticipated to support the ongoing progress and timely completion of the project. The "Funding" status light will remain "Red" until FY24 funding appropriated by the Board in June 2023 is made available to the project.

Safety - Two incidents occurred during this period. On 2/19/2024, a fire incident occurred at Walsh’s material storage location near the project site. No one was injured. Minimal materials were lost. On March 19, 2024, a car driven by an unknown driver swayed away from the driving lane of Highway 87 and collided into the adjacent project site fencing located next to the entrance gate (off the highway 87) and damaged the fence. No one was injured. A police report was filed. Initial investigation suggested that this was not associated with project work.

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	2	6
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	03/28/24	-27	-27
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	
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Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

Guadalupe River Bridges Replacement and Extension

Project No. **002113**

Table 5. FUNDING (in thousands of \$)

Fund Source 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	0
Altamont Corridor Express (ACE)/San Joaquin Regional Rail Commission (SJRRRC)	Local		1,330	1,330	665	665
Regional Bridge Tolls (AB664)	Local		77	77		77
UPRR (pending arbitration settlement)	Local		4,257	4,257	1,400	2,857
Local Partnership Program - Formulaic	State		4,606	4,606	4,606	0
Totals		12,400	51,198	63,598	34,293	29,305

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	JPB Construction Management and JPB Engineering	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. However, this issue will remain an active risk until the matter is formally closed.	None	Low
	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.			
3rd Party Fiber Optic Relocation	JPB Legal / Sr. Management	Continue to drive the schedule to ensure all fiber optic utilities are cut over in April 2024.	\$ 100	Med
	UPRR must cause their existing fiber optic utility tenants to relocate their lines from MT1 to MT2 to enable the demolition of MT1. A fiber relocation agreement was executed between UPRR and JPB on 3/28/2024. Field activities are ongoing.		12 months	
UPRR Dispute of Settlement and/or Design Changes	JPB Legal / Sr. Management	JPB will seek UPRR approval of any necessary deviations from the baseline technical assumptions in the Construction & Maintenance Agreement. In the meantime, this risk has been successfully managed and can be closed in subsequent reports.	\$ 600	Low
	On 1/9/2024, JPB and UPRR agreed to the specific means and methods to be used for removal of the MT1 track, which were formalized by the execution of the Construction & Maintenance Agreement on 3/28/2024.		12 months	

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)	JPB Environmental and JPB Construction Management ----- 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.	Pending the resolution of ongoing discussions with Valley Water and the regulatory agencies regarding the HMMP, the work may be incorporated into Walsh's contract via change order or become the subject of a separate solicitation.	6/1/2024
Design Changes per UPRR Review	JPB Project Manager and JPB Construction Management ----- 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.	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.	6/1/2024
Delay in availability of funding.	JPB Project Manager ----- 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 availability of funds from each source is anticipated to support the ongoing progress and timely completion of the project.	The "Funding" status light will remain "Red" until FY24 funding appropriated by the Board in June 2023 is made available to the project.	7/1/2024

KEY ACTIVITIES - Current Reporting Quarter

Newly constructed MT2 bridge was put into service and taking the aging MT1 bridge out of service in preparation for its demolition. A partnering session was held between JPB and Walsh Construction to prepare for 2024 construction. Installation conduits and vaults for fiber optic utility relocations, the relocation of positive train control cabling from the MT1 bridge to the MT2 bridge, the installation of bird nesting deterrent measures on the MT1 bridge, the off-site fabrication of MT1 bridge girders, and on-site maintenance of erosion control measures. Executed a Settlement Agreement with UPRR, executed a Construction and Maintenance Agreement with UPRR, continuation of third-party fiber optic utility relocations, the continuation of positive train control cabling relocation from the MT1 bridge to the MT2 bridge, the off-site fabrication of precast girders for the MT1 bridge, and on-site maintenance of erosion control measures.

NEXT KEY ACTIVITIES

In next quarter, the project will continue pulling and splicing cables for third-party fiber optic utility relocations, relocating positive train control cabling from the MT1 bridge to the MT2 bridge, and maintaining on-site erosion control measures. In addition, the project will install bird nesting deterrent measures on the MT1 bridge and survey monitoring equipment on the MT2 bridge. Pending concurrence from permitting authorities, work in the month of April 2024 may include minor demolition of the MT1 bridge outside of the river.

PROJECT NOTES

Please note that the total number of safety incidents were corrected this period.

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

San Francisquito Creek Emergency Bank Stabilization

Project No. 100762

Table 1. Status Summary and Total Project Performance

Project Phase: 6 – Construction/Implementation

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

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

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: Walsh Construction

Table 2. SAFETY INCIDENTS

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

Table 3. MILESTONE SCHEDULE

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Δ Prev Quarter
	(A)	(B)	(C=A-B)	(D)
Award of Construction Contract	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	05/19/23	05/19/23	0	0
Gate 3 - 35% Development Complete	05/19/23	05/19/23	0	0
Solicitation for Construction Contract	06/01/23	06/01/23	0	0
Gate 4 - 65% Development Complete	07/05/23	07/05/23	0	0
Gate 5 - 100% Development/IFB Complete	08/11/23	08/11/23	0	0
ROW Permits Complete	09/06/23	09/06/23	0	0
Temporary Stabilization Complete	11/22/23	11/22/23	0	0
Environmental Clearance Complete	06/30/24	06/30/24	0	0
NTP - Construction Contract	08/01/24	08/01/24	0	0
Gate 6 - Substantial Completion	12/31/24	12/31/24	0	0
Gate 7 - Start-Up / Turnover Complete	05/30/25	05/30/25	0	0
Gate 8 - Project Closeout Complete	05/30/25	05/30/25	0	0

San Francisquito Creek Emergency Bank Stabilization

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	211	426	426	0	0.0%
Environmental	1200	259	445	703	703	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				
Const./Impl. Contracts	3100	1,200	1,800	3,000	3,000	0	0.0%
Construction Management	4100	426	1,115	1,541	1,541	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	494	793	793	0	0.0%
Project Management	5100	360	79	439	439	0	0.0%
Project & Document Control	5200	104	136	240	240	0	0.0%
Finance/Accounting	5300	0	0	0	0	0	
Contracts & Procurement	5400	100	-20	80	80	0	0.0%
Legal	5500	366	65	431	431	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	154	164	164	0	0.0%
Undefined and others		100	-100	0	0		
Subtotals	NA	3,552	4,381	7,933	7,933	0	0.0%
Risks (known & unknown)	NA	NA	NA	NA	1,055	0	0.0%
Contingency	9900	1,776	-721	1,055	NA		
Grand Totals	NA	5,329	3,660	8,988	8,988	0	0.0%
(*) ICAP already included in totals above		205	141	346	346	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 Emergency Bank Stabilization

Project No. 100762

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	2,490		2,490	2,490	0
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 Emergency Bank Stabilization

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/> Caltrain staff is pursuing a Section 404 Permit from the US Army Corps of Engineers. If the permit is not obtained in time to complete the permanent stabilization work during the 2024 dry season, the work could be delayed until the 2025 dry season.	Expedite the performance of archaeological corings requested by the US Army Corps of Engineers, expedite the associated report, and submit these supplemental materials to the US Army Corps of Engineers to facilitate their review and approval before the 2024 dry season.	6/1/2024

KEY ACTIVITIES - Current Reporting Quarter

JPB team monitored the performance of the temporary stabilization measures during multiple rain events, continued pursuit of a Section 404 Permit from the US Army Corps of Engineers, prepared to perform archaeological corings, and received encroachment permit modifications from the City of Menlo Park and City of Palo Alto to support the archaeological coring work.

NEXT KEY ACTIVITIES

During the month of April 2024, the JPB team plans to monitor the performance of the temporary stabilization measures, perform archaeological coring at the permanent stabilization site, prepare a report concluding the results of the archaeological corings, and continue to pursue a Section 404 Permit from the US Army Corps of Engineers. Delays to archaeological corings and the potential need for a formal Section 7 consultation have increased the risk that the Section 404 Permit will not be obtained in time to construct the permanent stabilization during the 2024 dry season.

San Francisquito Creek Emergency Bank Stabilization

Project No. **100762**

PROJECT NOTES

Project Schedule and Budget were re-baselined this quarter.

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		
Contingency	9900	240	0	240	NA	0	0.0%
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 draft report was reviewed by executive staff and forwarded to the Executive Director for review. Outreach was made to UPRR and CHSRA regarding the selection of a 5'4" platform offset at EMU low floor height.

NEXT KEY ACTIVITIES

Review by executive director, proceed with WDPR and outreach.

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	Y	G	G
Previous	G	G	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
58.92%	5.94%	100%

Delays with City of Palo Alto's work is impacting completion of JPB's contractor work. The Project Manager will request approval of a revised schedule from the Management Committee in May 2024.

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	09/30/24	-153	-146
Gate 7 - Startup/Turnover Complete	05/31/24	09/30/24	-122	-115
Gate 8 - Project Closeout Complete	08/31/24	12/31/24	-122	-115

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

Table 5. FUNDING (in thousands of \$)

Fund Source Title	Type	Board Approved			Activated Funding	Unactivated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
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
Delay in City of Palo Alto's work	City of Palo Alto ----- Delays with City of Palo Alto's work is impacting completion of JPB's contractor work. JPB work delayed until July/Aug 2024.	Continue to receive updates from City of PA and adjust schedule as needed. PM to request approval of revised schedule from Management Committee in May 2024.	5/30/2024

KEY ACTIVITIES - Current Reporting Quarter

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 bi-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.

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 late July or early August of 2024, pending further updates from the City of Palo Alto.

PROJECT NOTES

None.

PROJECT PHOTOS



Photo 1 - Churchill Ave

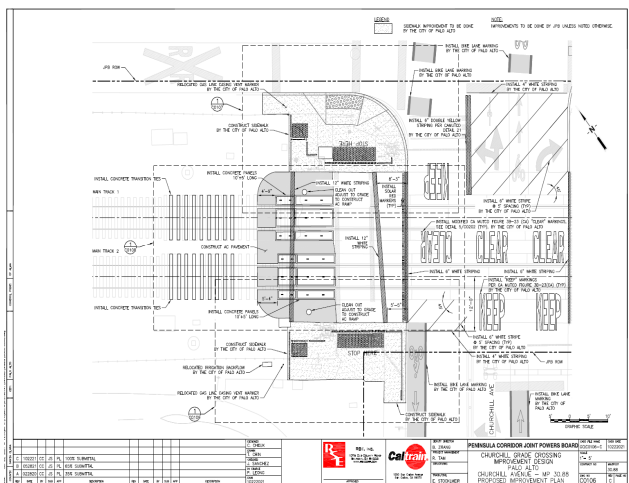


Photo 2 - Churchill Ave Grade Crossing Improvements

FY21-22 Grade Crossing Improvements

Project No. **100563**

Table 1. Status Summary and Total Project Performance

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

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

Progress (%)	Change Prev. Qtr.	EAC/Budget
30.47%	1.08%	100%

The TASI Work Directive is experiencing a delay due to disparities in scope and cost. TASI's initial proposal included additional tasks that are not necessary. A revised proposal will be submitted for review, and once approved, the work directive will be executed.

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	04/15/24	-102	-102
NTP	04/01/24	04/15/24	-14	-14
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

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
Delay in executing the TASI WD.	PM	Receive a revised proposal and execute the work directive.	4/15/2024
	Conducted a meeting with TASI to discuss the scope and the cost differences. TASI had extra tasks in the proposal that are not required. TASI will submit a revise proposal for review.		

KEY ACTIVITIES - Current Reporting Quarter

TASI submitted a revised proposal but it still had more labor hours than necessary. Conducted an on-site visit to the Mission Bay grade crossing to agree upon the required tasks for the scope of work. TASI will resubmit another revised proposal according to the agreed upon scope and task.

NEXT KEY ACTIVITIES

Receive a revised proposal and execute the work directive. Issue Notice to Proceed (NTP) for TASI.

PROJECT NOTES

None.

PROJECT PHOTOS

To be updated.

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
33.49%	13.15%	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%
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Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

Table 5. FUNDING (in thousands of \$)

Fund Source 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	Bi-weekly meetings with TASI to request schedules.	\$ -	High
	TASI Installation schedule has not been confirmed. TASI schedule for Grade Crossing work is impacted by higher priority work on the operating RR and has not been committed to.		TBD	
Coordination with PCEP signal work at the crossings.	Angela Myrechuck	Monthly meetings with PCEP to coordinate our schedules.	\$ -	Med
	PCEP is scheduled to perform and complete their pre-revenue testing in 2024 and begin service in September 2024.		TBD	

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

Issue Title	Responsibility Status	Action	Resolution Date
None.			

KEY ACTIVITIES - Current Reporting Quarter

TASI has mobilized on site in preparation for Stacy and Witbeck, Inc.(SWI) to re-mobilize in April. TASI progress has been impacted by weather and other high priorities on the railroad. Bi-Weekly progress meetings are being held with TASI. Construction Management (CM) staff continue to support the project, on an as-needed basis and continue to hold weekly progress meetings with SWI to work through administrative and planning items.

NEXT KEY ACTIVITIES

TASI and SWI will coordinate work and continue construction work in April. Continuing to meet bi-weekly with TASI to discuss status of the signal scope.

PROJECT NOTES

None.

San Mateo Grade Crossing Improvements

Project No. 100566

PROJECT PHOTOS

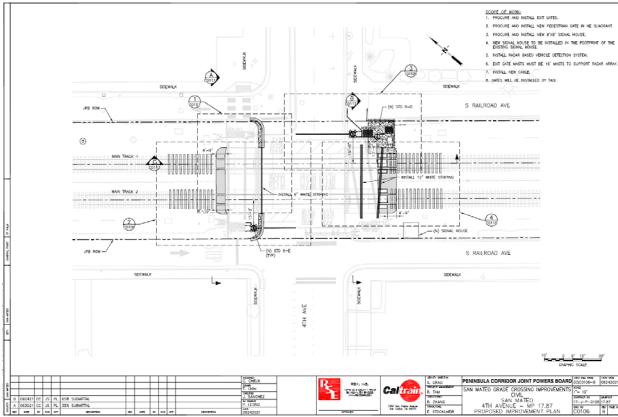


Photo 1 - San Mateo Grade Crossing Improvements









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 	R 
Previous	G 	G 	G 	Y 

Progress (%)	Change Prev. Qtr.	EAC/Budget
64.52%	16.01%	100%

Funding: Project is currently awaiting a decision on the SRA/TRCIP fund swap. The remaining activated funds are insufficient to cover the construction phase for the next six months. As a result, the "Funding" status light will remain "Red" until the remaining funds are made available to the project.

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	83,200	83,200	83	0	0.0%
Const./Impl. Contracts	3100	10,000	13,186	23,186	23,186	0	0.0%
Construction Management	4100	700	1,276	1,976	1,976	0	0.0%
Design Support During Const.	4200	100	-100	0	0	0	
Testing & Commissioning	4300		0	0	0	0	
Agency/ODCs	5000		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	15,260	28,100	28,100	0	0.0%
Risks (known & unknown)	NA	NA	NA	NA	2,341	0	0.0%
Contingency	9900	1,160	1,181	2,341	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	Frequent communications with the PCEP team about schedule and use of infrastructure. PCEP has allowed the use of OCS poles. Executed a change order to the PCEP Stadler contract to install the Broadband equipment in the EMU.	\$ 1,300	Med
	Resolved.		0	
Damaged Fiber Backbone.	Robert Tam	Splice into the fiber network and test early. Hire a second fiber crew to fix issues with the existing fiber backbone.	\$ 500	Med
	Existing fiber backbone is not in working condition or damaged. Testing fiber network and repairing existing conditions.		60	

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	Project is currently awaiting a decision on the SRA/TRCIP fund swap.	5/31/2024
	The remaining activated funds are insufficient to cover the construction phase for the next six months. As a result, the "Funding" status light will remain "Red" until the remaining funds are made available to the project.		

Broadband Wireless Communications System

Project No. **100403**

KEY ACTIVITIES - Current Reporting Quarter

Nomad Digital performed verification and tested all the components which passed all the tests. All the trenching and antenna installation was completed in Segment 4. All the trenching and antenna installation was completed in Segment 3 except for two locations where it had to be redesigned. The revised design for these 2 locations were approved and the contractor will go back to these locations at a future date. TASI found the issue with the fiber cable in San Francisco and will schedule the work. Stadler continued the installation of the Wi-Fi equipment in the EMU trains in Salt Lake City and in the San Jose CEMOF. A total of 5 EMU trains have been equipped with the Broadband equipment to date. Continued the trenching and antenna installation in Segments 2. Began the fiber splicing for the Control Points and wayside radios. We are 70% completed with the Wayside radio installations.

NEXT KEY ACTIVITIES

Complete the construction in Segment 2 and begin the construction in Segment 1. Continue fiber splicing and testing of the fiber network.

PROJECT NOTES

None.

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
49.49%	18.93%	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)		
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 Resolved. Purchased the long lead materials.	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

Continued equipment Installation. TASI continued to acquire the equipment. Drawing supplier's Work Directive Proposal Request (WDPR) was published. WDP was received and reviewed.

NEXT KEY ACTIVITIES

Issue WD For drawing work. Continue monitoring the installation progress for the equipment installation for VHF upgrade.

PROJECT NOTES

None

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
34.17%	10.52%	100%

1. The remaining funds will only be available starting FY25. Activate the FY25 approved budget when it is available.

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	1,200	2,400
Totals		500	6,300	6,800	4,400	2,400

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
	Resolved		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
	Resolved		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
	Resolved		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
	Resolved		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
	Resolved		0	

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

Issue Title	Responsibility Status	Action	Resolution Date
The remaining funds will only be available starting FY25.	Jin Jiang The current activated funds are insufficient to cover the entire construction phase.	Activate the FY25 approved budget when it is available.	07/01/24

KEY ACTIVITIES - Current Reporting Quarter

Site Specific Work Plan (SSWP) for Santa Clara, Mountain View and Palo Alto were approved. Right to Work (RTW) was submitted. VMS delivery status was updated.

NEXT KEY ACTIVITIES

Perform fiber optical installation path verification at Palo Alto station and Santa Clara station. Get approval for SSWP for San Jose Diridon station.

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
35.80%	6.49%	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 Megabyte (MB)/s circuits to Gigabyte (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

Purchasing Order for for equipment has been issued. C&P process is cleared. Preparing relative document to start the site work once the equipment is delivered.

NEXT KEY ACTIVITIES

Receive equipment and start site work for installation.

PROJECT NOTES

None.









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 	Y 	Y 

Progress (%)	Change Prev. Qtr.	EAC/Budget
74.96%	2.11%	100%

1. The schedule has been delayed due to parts availability. Alstom is working with multiple vendors to procure the parts needed.
2. A potential budget shortfall has been identified. Requested a \$300,000 supplemental funding as part of the FY25 budget amendment.

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	0
Unit 926 Conditional Acceptance	06/26/23	02/12/24	-231	0
Unit 928 Conditional Acceptance	09/28/23	09/09/24	-347	0
Unit 923 Conditional Acceptance	02/06/24	11/22/24	-290	0
Gate 6 - Substantial Completion	02/21/24	12/15/24	-298	0
Gate 7 - Start-Up / Turnover Complete	05/31/24	12/30/24	-213	0
Gate 8 - Project Closeout Complete	08/30/24	03/31/25	-213	0

MP-36 Locomotive Mid-Life Overhaul

Project No. 100233

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

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100			0		0	
Environmental	1200			0		0	
Real Estate	2100			0		0	
Utilities Relocations	2200			0		0	
Construction ODCs	2300			0		0	
Const./Impl. Contracts	3100	13,942	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)		
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 is working with local regulators to allow them to paint the last two locomotives in the existing building.	\$ - 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 has contacted all the vendors to make sure parts are available.	\$ - 0	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 parts availability.	Alstom Alstom provided a schedule which they have agreed to maintain.	Alstom has incorporated Caltrain comments and exceptions to the schedule. Alstom revised and re-submitted the schedule with more realistic times to schedule for painting, transit, and preparation for conditional acceptance.	09/01/24
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.	Requested a \$300,000 supplemental funding as part of the FY25 budget amendment.	05/01/24
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 the scope. New control modules purchased. One number board now working. Alstom is working on second board.	05/01/24

KEY ACTIVITIES - Current Reporting Quarter

The propulsion equipment and HEP engine for 923 were stripped, and the hatches and side panels were removed. Painted underframe and aft end hatches for 928 and installed flooring and continued testing of wiring.

NEXT KEY ACTIVITIES

Begin sandblasting and rust repairs of car body for 923. Install battery box, air tanks, air brake equipment and underframe equipment for 928.

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 in service.



Photo 4 - Locomotive 927 in service.

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
93.28%	2%	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	0
Gate 7 – Start-up/Turnover	12/31/23	07/31/24	-213	0
Gate 8 – Closeout	03/31/24	09/30/24	-183	0

CCF BCCF Virtualization

Project No. 100430

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

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

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

CCF BCCF Virtualization

Project No. 100430

Table 5. FUNDING (in thousands of \$)

Fund Source 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 Virtualization

Project No. **100430**

KEY ACTIVITIES - Current Reporting Quarter

Cloud backup archiving was successfully tested. Active Directory (AD) migration- cut over planning. Rubrik backup was tested. Rail Operations Control System (ROCs) (stretched) Virtual Local Area Network (VLANs) re-org planning is work in progress. Data Migration ITCM is in progress(estimated completion end of April). Amazon Web services (AWS) Direct Connect-SJCC set is in progress(router is installed -working on the connectivity). Cloud backup archiving was successfully tested.

NEXT KEY ACTIVITIES

Finish Data migration. Finish AD migration. Back VLAN 199 in progress (Depended on the hardware). Stretched VLANs cutover - planning in progress.

PROJECT NOTES

None.

PROJECT PHOTOS

None.

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	Y

Progress (%)	Change Prev. Qtr.	EAC/Budget
15.43%	3.50%	100%

Additional funding is required to be activated to cover construction phase of the project. Transfer of \$1.5M in SMCTA funds from 25th Ave project to this project has been completed by budgets and the funds are now activated. \$3.77M in LPP funds still need to be received and activated. Grants staff are working on the Program Supplement with Caltrans, will proceed with requesting Pre-approval Spending Authority (PASA).

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	03/13/24	-12	-12
Gate 6 - Substantial Completion	02/28/25	03/04/25	-4	-4
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	Trees were not removed prior to bird nesting period due to delays to contract execution. Perform tree removal at earliest stage possible. If bird nesting is present in trees, resequence work to adhere to environmental requirements.	TBD	High
Potential impacts to cost and schedule due to signal work that needs to be performed that was omitted from the construction contract when bid option #1 scope was deferred to a future project.	PM ----- Pending	Develop SOW for change order to Stacy and Witbeck to perform modified signal scope that would satisfy minimum regulatory requirements, fit project budget, and be executable within construction schedule (completion prior to PCEP revenue service)	\$200K- \$300K	High

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	Transfer of \$1.5M in SMCTA funds from 25th Ave project to this project has been completed by budgets and the funds are now activated. \$3.77M in LPP funds still need to be received and activated. Grants staff are working on the Program Supplement with Caltrans, will proceed with requesting Pre-approval Spending Authority (PASA).	4/1/2024

KEY ACTIVITIES - Current Reporting Quarter

JPB issued full NTP to Stacy and Witbeck, Inc (SWI) to proceed with construction activities. SWI continued to complete administrative and planning activities in preparation for site mobilization in April. Budgets/Grants continues to work with Caltrans on Program Supplement (PS) for \$3.77M in LPP funds, will proceed with requesting pre-approval spending authority (PASA) if PS is not executed. Reviewed Construction Management Service proposals and selected Construction Management team. \$1.5M in SMCTA funds have been extended and transferred from the 25th Ave Grade Separation project. Ongoing coordination with Community Outreach and Government Affairs to update on anticipated start of construction activities. Submitted tree removal permit to the City of San Mateo and received approved permit. Issued Work Directive Proposal Request and executed Work Directive to TASI for construction support.

NEXT KEY ACTIVITIES

In April 2024, Grants team will continue to work with Caltrans to execute program supplement agreement for LPP funds and request PASA. SWI will mobilize and begin heritage tree removals, site clearing, and grading activities.

PROJECT NOTES









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. This was completed in March.

Mini-High Platforms

Project No. 100684

Table 1. Status Summary and Total Project Performance

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

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

Progress (%)	Change Prev. Qtr.	EAC / Budget
21.88%	17.21%	100%

Funding - The current remaining activated funds are insufficient to cover the construction phase for the next six months. FY25 Board approved funds are not yet available for this project, resulting in a 'Red' status for funding. Continue to monitor the situation and update the funding status once the necessary funds are made available.

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: Angotti & Reilly, 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	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
Solicitation For Construction Contract	10/24/23	10/24/23	0	0
Award of Construction Contract	12/07/23	01/04/24	-28	0
NTP - Construction Contract	02/05/24	02/20/24	-15	-15
Start of Electrified Service	09/30/24	09/30/24	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	-34	14	14	0	0.0%
Legal	5500	15	-2	13	13	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	3,961	3,961	0	0.0%
Risks (known & unknown)	NA	NA	NA	NA	300	0	0.0%
Contingency	9900	1,491	-1,191	300	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	Limiting the scope to include JPB's ROW.	\$ 50	Med
	On-going			

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

Issue Title	Responsibility Status	Action	Resolution Date
Delay in availability of remaining funds.	PM	Continue to monitor the situation and update the funding status once the necessary funds are made available.	7/31/2024
	The current remaining activated funds are insufficient to cover the construction phase for the next six months. The FY25 Board approved funds are not yet available for this project, resulting in a 'Red' status for funding.		

KEY ACTIVITIES - Current Reporting Quarter

Awarded the construction contract to Angotti & Reilly, Inc. Issued the Notice to Proceed (NTP). Conducted a construction kick off meeting and obtain contractors construction schedule. Issued a Work Directive (WD) for CM services.

NEXT KEY ACTIVITIES

Begin the construction work. Work on to exercise Option 1 for construction of Mini-high platforms for the 5 stations South of Tamien.

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 ●	Y ●	G ●	G ●
Previous	G ●	G ●	G ●	G ●

Project Phase: 3 - Development (35%)

Progress (%)	Change Prev. Qtr.	EAC/Budget
0.8%	-0.15%	100%

Delay in completion of Preliminary Studies (Value Engineering): Pending decision by the Cities, Caltrain and key Stakeholders by the end of July 2024.

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.

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

Table 2. SAFETY INCIDENTS

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

Table 3. MILESTONE SCHEDULE

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	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
Service Agreement: Final Design/Pre-Construction	01/01/25	01/01/25	0	0
Gate 3 - 35% Development Complete	05/31/25	07/16/25	-46	0
Execute Optional Services Final Design	06/01/25	08/01/25	-61	0
Project Delivery Method RFP [DBB, PDB, CMGC]	06/01/25	08/01/25	-61	0
Execute Option Services Final Design	06/01/25	08/01/25	-61	0
Gate 4 - 65% Development Complete	12/31/25	02/13/26	-44	0
Gate 5 - 100% Development Complete/IFB	04/30/27	06/15/27	-46	0
Solicitation for Construction Contract	10/01/27	09/15/27	16	0
ROW Permits Complete	03/31/28	05/31/28	-61	0
Award of Construction Contract	04/30/28	06/30/28	-61	0
NTP - Construction Contract	05/01/28	07/06/28	-66	0
Gate - 6 Substantial Completion	06/30/31	09/05/31	-67	0
Gate - 7 Start-up/Turnover Complete	10/31/31	01/08/32	-69	0
Gate - 8 Project Closeout Complete	01/31/32	04/08/32	-68	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
Delay in completion of Preliminary Studies (Value Engineering)	JPB & External Stakeholders Awaiting decision from the Cities, JPB and key stakeholders	Pending decision by the Cities, Caltrain and key Stakeholders by the end of July 2024	7/31/2024
Close coordination with Southline Development required	JPB & External Stakeholders Project working on VE Phase to determine the extents of impacts at the development.	Coordinate closely with Southline Development (in Construction Phase) to ensure design of the 2 projects align	3/31/2025
Close coordination with UPRR/Granite Rock Project required	JPB & External Stakeholders Project working on VE Phase to determine the extents of impacts at the property for possible TCE.	Coordinate closely with UPRR/Granite Rock Project (in Conceptual Design) to ensure design of the 2 project align	3/31/2025
Alternative Delivery Method activity not captured in the current MOU with the Cities	JPB & External Stakeholders Discussing with the Cities	JPB to discuss Alternative Delivery Method activity with the Cities.	5/15/2024
PMO resources	Caltrain Capital / Engineering Prepare work directive package to obtain resources.	Looking for new PM to take over this project.	5/30/2024

KEY ACTIVITIES - Current Reporting Month

Prepared summary VE (Value Engineering) method with pros and cons and presented to Cities staff. Prepared the presentation material to Cities' managers. Updated project schedule and cost estimate; facilitated Cities and TA funding strategy discussion.

NEXT KEY ACTIVITIES

Activities to support Cities to make decision on the VE option. Discuss Alternative Delivery Method with the Cities. Come up with overall project streamline schedule.

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	R	G
Previous	G	R	G	G

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

Progress (%)	Change Prev. Qtr.	EAC/Budget
6.1%	0.02%	111%

Right-of-way acquisition is forecasted to impact the project schedule and budget, as reflected in both red status lights above. The production of acquisition maps and the lack of eligible funding are contributing factors, both of which are being expedited through the designer and funding partners.

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)
Gate 1 - Project Initiation	12/18/17	12/18/17	0	0
Award of Final Design Contract	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
Publish Solicitation for CMGC	08/16/23	08/16/23	0	0
Authorize Funding for CMGC Pre-Construction Phase	12/07/23	12/07/23	0	0
Award of CMGC Contract (Pre-construction)	01/04/24	03/08/24	-64	7
Gate 5 - 100% Development Complete / IFB	09/30/24	03/05/25	-156	-47
TCP for CMGC	11/30/24	04/01/25	-122	0
Environmental Clearance Complete	04/30/24	05/19/25	-384	0
Award of Construction Contract	01/02/25	07/01/25	-180	0
NTP - Construction Contract	02/01/25	01/29/26	-362	-120
ROW Permits Complete	08/31/24	03/12/26	-558	25
Gate 6 - Substantial Completion	04/30/28	10/02/28	-155	0
Gate 7 - Start-Up/Turnover Complete	07/31/28	12/01/28	-123	0
Gate 8 - Project Closeout Complete	12/31/28	04/01/29	-91	0

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	42,015	-30,896	-277.9%
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	323,996	-30,896	-10.5%
Risks (known & unknown)	NA	NA	NA	NA	28,663	0	0.0%
Contingency	9900	28,663		28,663	NA		
Grand Totals	NA	316,403	5,360	321,763	352,659	-30,896	-9.6%
(*) ICAP already included in totals above		12,169	206	12,375	13,564	-1,188	-9.6%

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	19,638	24,188	21,888	2,300
City of Burlingame	Local	1,500	700	2,200	2,000	200
Externally Funded	Local	25,635		25,635		25,635
Totals		31,685	20,338	52,023	23,888	28,135

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
Section 404 Individual Permit	JPB <hr/> JPB was recently notified by the U.S. Army Corps of Engineers (USACE) that the project will require a Section 404 Individual Permit.	JPB staff is updating the project schedule to assess potential impacts due to the process required to obtain the Individual Permit.	\$ 4,000	High

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 <hr/> 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.	TBD
Additional funds will be needed to cover CMGC-related costs	City, SMCTA, JPB <hr/> 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. Resolved.	Amend MOU and add funds to the budget.	4/1/2024

Broadway Burlingame Grade Separation

Project No. **100244**

KEY ACTIVITIES - Current Reporting Quarter

JPB Board approved the award of the CMGC pre-construction services contract to Flatiron-Herzog Joint Venture (FHJV) and began preparing the contract documents for execution. Concurrently, JPB staff prepared and issued a Work Directive Proposal Request to Independent Cost Estimator, Kelly McNutt Consulting, to support construction cost validation and reconciliation. The project team continued work on property acquisitions.

NEXT KEY ACTIVITIES

In the month of April 2024, JPB staff anticipates executing the CMGC pre-construction services contract with FHJV and executing a Work Directive with Kelly McNutt Consulting. JPB staff intends to engage these new project team members in a Design Kickoff, a Risk Kickoff Workshop, and other early tasks to provide input on the project design and schedule.

PROJECT NOTES

1. EAC is \$31M higher than the current budget to account for cost of ROW acquisitions (pending discussions between Caltrain Design & Construction (D&C), Real Estate (RE) and the City to determine next steps).

PROJECT PHOTOS

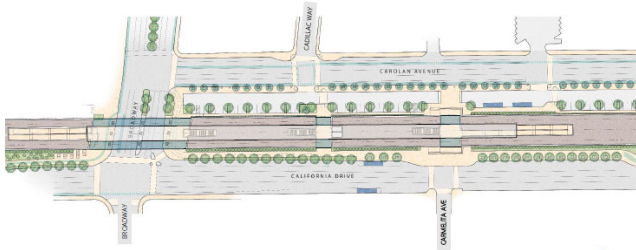


Photo 1 - Station Layout with Landscaping (rendering)



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	Y	G	G
Previous	G	G	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
1.37%	-1.13%	100%

1. The schedule slipped due to delays in the final design procurement. Expedite final design and CMGC TCP.

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 2 - 15% Development Complete	03/04/19	03/04/19	0	0
MOU/ CO-OP Agreement with City of Mountain View for Final Design	10/06/22	10/06/22	0	0
Gate 3 - 35% Development Complete	10/31/22	10/31/22	0	0
Publish Solicitation for Final Design Contract	05/15/23	05/15/23	0	0
Award of Final Design Contract	12/08/23	12/08/23	0	0
Publish Solicitation for CMGC	01/23/24	01/23/24	0	0
Award of CMGC Contract	08/01/24	08/01/24	0	0
Gate 4 - 65% Development Complete	12/06/24	12/06/24	0	0
Environmental Clearance Complete	01/31/25	01/31/25	0	0
ROW Permits Complete	04/30/25	04/30/25	0	0
Gate 5 - 100% Development Complete / IFB	11/05/25	11/05/25	0	0
Award of Construction Contract	12/04/25	02/05/26	-63	-63
NTP - Construction Contract	01/09/26	03/01/26	-51	-51
Gate 6 – Substantial Completion	12/31/27	12/31/27	0	0
Gate 7 – Start-up/Turnover	03/31/28	03/31/28	0	0
Gate 8 – Closeout	06/30/28	06/30/28	0	0

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	2,468	14,968	14,968	0	0.0%
Environmental	1200	500	-16	484	484	0	0.0%
Real Estate	2100	25,000	-24,797	203	203	0	0.0%
Utilities Relocations	2200	25,000	34,992	59,992	59,992	0	0.0%
Construction ODCs	2300		0	0	0	0	
Const./Impl. Contracts	3100	190,000	-6,053	183,947	183,947	0	0.0%
Construction Management	4100	5,727	7,104	12,831	12,831	0	0.0%
Design Support During Const.	4200	2,995	1,349	4,344	4,344	0	0.0%
Testing & Commissioning	4300	0	2,300	2,300	2,300	0	0.0%
Agency/ODCs	5000	2,487	-1,543	945	945	0	0.0%
Project Management	5100		1,141	1,141	1,141	0	0.0%
Project & Document Control	5200		280	280	280	0	0.0%
Finance/Accounting	5300		8	8	8	0	0.0%
Contracts & Procurement	5400		202	202	202	0	0.0%
Legal	5500		185	185	185	0	0.0%
Information Technology	5600		0	0	0	0	
Communications/P. Relations	5700		83	83	83	0	0.0%
Human Resources	5800		0	0	0	0	
Safety/Security & Risk Mgmt.	5900		65	65	65	0	0.0%
Equip./Material Purchases	6100		0	0	0	0	
CalMod Program	7100		0	0	0	0	
Oper. Support	8100	4,000	-979	3,021	3,021	0	0.0%
Subtotals	NA	268,209	16,791	285,000	285,000	0	0.0%
Unknown Risks	NA	NA	NA	NA	40,000	0	0.0%
Unallocated Contingency	9900	14,000	26,000	40,000	NA		
Grand Totals	NA	282,209	42,791	325,000	325,000	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	18,500	0
Totals		3,500	18,500	22,000	22,000	0

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

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

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

Issue Title	Responsibility Status	Action	Resolution Date
The schedule slipped due to delays in the final design procurement.	Arul Edwin ----- Final Design is under progress.	Final Design is under progress.	12/31/24

KEY ACTIVITIES - Current Reporting Quarter

The final design started and currently working towards the 65% Plans, Specifications, and Estimates (PS&E). RFP for selecting a CMGC was issued in January.

NEXT KEY ACTIVITIES

Select a Construction Manager General Contractor and award the preconstruction contract.

Rengstorff Grade Separation

Project No. **100482**

PROJECT NOTES

- 1. 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.
- 2. The schedule and budget were re-baselined at Mgmt. Committee meeting on January 25, 2024, and the budget was increased to \$325 million due to recent construction cost escalation and higher materials costs.

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
6.45%	-0.83%	79%

Delay due to City's decision: The City of Mountain View is targeting late fall/early winter to present at its next City Council Meeting an update of the project costs and possible reprioritization of both grade separation projects: Rengstorff or Castro. May 2024 time frame is when the project will go back to Management Committee to obtain gate approval from 65% to 95% design along with re-baselining, scope, budget, and schedule after successful cost negotiations with the Design and Pre-Construction CMGC contractors.

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: TBD
- 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)
Gate 1 - Project Initiation	01/01/20	01/01/20	0	0
Award of Final Design Contract	06/02/22	06/02/22	0	0
NTP - Final Design	07/22/22	07/22/22	0	0
Publish Solicitation for CMGC	08/22/22	08/22/22	0	0
Award of CMGC Contract (Pre-Construction)	06/01/23	06/01/23	0	0
Gate 4 - 65% Development Complete	07/22/23	04/30/24	-283	0
ROW Permits Complete	01/01/25	01/01/25	0	0
Environment Clearance Complete	06/30/24	04/30/25	-304	-30
Gate 5 - 100% Development Complete/IFB	06/01/24	04/03/25	-306	-3
Award of Construction Contract	07/01/24	05/26/25	-329	-55
NTP - Construction Contract	08/01/24	06/18/25	-321	-17
Gate 6 - Substantial Completion	04/30/27	02/28/28	-304	0
Gate 7 - Start-Up/Turnover Complete	08/01/27	04/29/28	-272	0
Gate 8 - Project Closeout	11/01/27	06/26/28	-238	0

Mountain View Transit Center and Grade Separation & Access Project

Project No. 100617

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

Type of Work		Budget			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C=A+B)	(D)	(E=C-D)	(F=E/C)
Planning & Engineering	1100	12,058		12,058	12,058	-0	-0.0%
Environmental	1200	308		308	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	121,691	21,598	15.1%
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	134,024	36,392	21.4%

(*) ICAP already included in totals above 6,554 0 6,554 5,155 1,400 21.4%

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
Third Party Utilities Coordination	TBD. ----- Owners may want to prioritize projects with committed construction funding.	TBD.	-----	

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
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 and align with 95%/100% deliverable.	12/31/24
Delay due to City's decision	JPB & External Stakeholders	The City of Mountain View is targeting late fall/early winter to present at its next City Council Meeting an update of the project costs and possible reprioritization of the both the grade separation projects: Rengstorff or Castro. May 2024 time frame is when the project will go back to Management Committee to obtain gate approval from 65% to 95% design along with re-baselining, scope, budget, and schedule after successful cost negotiations with the Design contractor (HNTB) and Pre-Construction CMGC Contractor (SWM).	05/31/24
	In January 2024, City Council approved to prioritize Rengstorff Grade Separation over Castro Grade Separation.		
Delays with Third Party Invoicing	JPB & External Stakeholders	Work on revised costs and resubmit to VTA and City of Mountain View. Work with the PC and Treasury Team to include short pay in the next invoice #004.	04/01/24
	Invoice #003 to VTA is delayed		

KEY ACTIVITIES - Current Reporting Quarter

Re-baseline of the Final Design and Pre-Construction contracts with HNTB, SWM and Caltrain with the revised scope of work for Design Package #001 (core tunnel elements) and Design Package #002 (interim grade crossing improvements at Castro Street).

NEXT KEY ACTIVITIES

Create project risk matrix and conduct risk workshop with stakeholders. Re-baseline Pre-Construction contracts with SWM and Caltrain with the revised scope of work for Design Package #001 (core tunnel elements) and Design Package #002 (interim grade crossing improvements at Castro Street). Provide cost estimate from HNTB, SWM and Caltrain. Continue design based on Verona system assumption. Contract Amendment to both HNTB and SWM.

PROJECT NOTES

1. EAC increased by \$2M this quarter as project schedule shows delay.

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
7.80%	2.05%	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
Publish Solicitation for Preliminary Design	04/26/23	04/26/23	0	0
Gate 3 - 35% Development Complete	02/24/24	03/21/24	-26	-26
Funding Agreement - SFCTA	05/01/24	05/01/24	0	0
Gate 4 - 65% Development Complete	09/01/24	09/01/24	0	0
Solicitation for Construction Contract	03/01/25	03/01/25	0	0
Funding Agreement - FTA	05/01/25	05/01/25	0	0
Gate 5 - 100% Development/IFB Complete	06/01/25	06/01/25	0	0
Award of Construction Contract	07/01/25	07/01/25	0	0
NTP - Construction/Implementation Contract	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		
Unallocated Contingency	9900	0	2,476	2,476	NA	0	0.0%
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.	\$ - TBD	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.	\$ - None	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.	\$ - TBD	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.	\$ - TBD	Low

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

Issue Title	Responsibility Status	Action	Resolution Date
None			

KEY ACTIVITIES - Current Reporting Quarter

Worked with HNTB refine 30% design and held 30% design review meeting with internal stakeholders and San Francisco County Transportation Authority (SFCTA). Met with staff and legal counsel to discuss level entry boarding

NEXT KEY ACTIVITIES

Will continue collecting 30% design review comments to save for future design phases. Anticipating FTA All Stations Accessibility Program (ASAP) Grant award determination in April 2024.

PROJECT NOTES

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

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

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
PMO resources	Caltrain Capital / Engineering ----- Prepare work directive package to obtain resources.	Capital Project team to prepare work directive package for preliminary engineering services for an environmental alternatives assessment of the three options.	6/1/2024
Funding needs to be identified	Caltrain Planning/Grants ----- Work with JPB Management and Planning team to identify 10 year capital improvement project plan and coordinate with Grants to identify funding.	Planning Division to prepare CIP Improvement plan that includes San Francisquito Creek Bridge Acoustic Monitoring.	6/1/2024

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
19.45%	4.68%	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	0	0.0%
Unallocated Contingency	9900	600	-265	335	NA		
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)	(D)	(E=C-D)
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

Kick-off meeting with supplier for virtual server upgrade was hold. Coordinated with TASI and vehicle maintenance team for locomotives ranger upgrade. Continued preparing alternative methods for PADS upgrade.

NEXT KEY ACTIVITIES

Monitoring lab test progress for server upgrade. Prepare work plan update for review.

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 5 - 100% Development/IFB Complete	09/01/24	06/01/24	92	92
Solicitation for Construction or Implementation Contract	06/01/24	06/01/24	0	0
Award of Construction or Implementation Contract	10/01/24	10/01/24	0	0
NTP - Construction or Implementation Contract	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

Internal discussion and review to consider transferring project to Maintenance for implementation.

NEXT KEY ACTIVITIES

Further discuss regarding transferring project to Maintenance group.

PROJECT NOTES









Milestones initially included for design phase gate activities are no longer required. Design is not necessary for this project so these milestones will be by-passed.

4th & King Yard Preparation (4KY)

Project No. 100785

Table 1. Status Summary and Total Project Performance

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

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

Progress (%)	Change Prev. Qtr.	EAC/Budget
1.21%	NA	100%

The separation of the project into two packages caused 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	06/30/25	-577	-486
Environmental Clearance Complete	09/01/24	06/30/25	-302	-302
Publish Solicitation for CMGC	02/01/24	02/27/26	-757	-697
NTP - CMGC Contract	08/01/24	08/27/26	-756	-756
Gate 4 - 65% Development Complete	04/01/25	07/30/27	-850	-850
ROW Permits Complete	12/01/25	02/28/28	-819	-819
Gate 5 - 100% Development/IFB Complete	02/01/26	04/28/28	-817	-817
Award of Construction Contract	06/01/26	08/28/28	-819	-819
NTP - Construction Contract	07/01/26	09/28/28	-820	-820
Gate 6 - Substantial Completion	07/01/28	11/03/31	-1,220	-1,220
Gate 7 - Start-Up / Turnover Complete	09/01/28	01/01/32	-1,217	-1,217
Gate 8 - Project Closeout Complete	01/01/29	05/01/32	-1,216	-1,216

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 Proceeding with alternative layout concept. GEC progressing concept. Will work with DB to ensure staging works with operations.	GEC to look into construction staging in greater detail. Plan to use CM/GC contract to work with the contractor to maintain operations. Deutsche-Bahn (DB) to analyze each stage for operational impact.	TBD	
Ability to secure acceptable track and office space, both permanent and temporary	Caltrain/TJPA Negotiations in progress	Include issues into the 4KY agreement.	TBD	
Package A must be completed prior to planned start of DTX	Caltrain/TJPA TJPA updating schedule	Utilize existing GEC contract to complete final design. TJPA to manage the construction contract	TBD	
De-energizing risk	Caltrain/Contractor To be incorporated into contract documents	Ensure there is contingency plans to have power on for start of operations	TBD	
TASI - Recompete occurs during project and flagger availability	Caltrain To be incorporated into contract documents	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
Delays to 30% submittal caused by splitting the project into two packages and changing the track layout in package B.	TJPA/GEC/Caltrain GEC to submit the Package A 30% design in April for review. TJPA and GEC are negotiating scope for the Package B revised 30% design. Effects to schedule have not been finalized, but Table 3 has been updated based on latest information provided by TJPA.	The GEC to split project into two contracts and create a revised 30% design for package B.	TBD
TJPA's Funding issues that will delay the project.	TJPA Effects to schedule have not been finalized, but Table 3 has been updated based on latest information provided by TJPA.	TJPA to provide more information on the extent of the delays and the effect on schedule. Caltrain's stance is construction will not start without FTA Full Funding Grant Agreement.	TBD
No Permanent Train Crew Facility, office trailers, or Bike Storage provided in Draft 30% submittal.	TJPA/Caltrain GEC has presented proposed Permanent Train crew facilities, and bike storage locations. Will use in 30% design, but will provide approval at a future date.	TJPA and Caltrain to hold meeting to determine how permanent facilities will be replaced at 4th and Townsend Station	TBD
Loss of Storage Tracks	TJPA/Caltrain Proceeding with alternative layout concept that includes electrified storage tracks. Details/costs still in negotiations with TJPA	Caltrain to determine compensation for loss of tracks.	TBD
Laydown Area not large enough for DTX and Package B	TJPA TJPA looking at additional laydown areas	Stipulate TJPA identify offsite options.	TBD

4th & King Yard Preparation (4KY)

Project No. **100785**

KEY ACTIVITIES - Current Reporting Quarter

Package B will move forward with conceptual alternative layout that includes electrified storage tracks. Received 30% Over-the-Shoulder Progress Submittal.

NEXT KEY ACTIVITIES

Final 30% Submittal for Package A.

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	Est. or Act. Completion	Variation (days)	Δ Prev Month
	(A)	(B)	(C =A-B)	(D)
Gate 1 - Project Initiation	02/24/22	02/24/22	0	0
Gate 2 - 15% Development Complete	03/31/23	08/30/24	-518	-457
Gate 3 - 35% Development Complete	05/01/22	03/31/25	-1,065	-456
Environmental Clearance Complete	06/30/23	08/30/25	0	-304
Publish Solicitation for Final Design Contract	10/01/22	01/31/26	-1,218	-487
Award Final Design Contract	10/06/22	07/30/26	-1,393	-667
Gate 4 - 65% Development Complete	03/31/23	03/30/27	-1,460	-850
Gate 5 - 100% Development Complete / IFB	06/01/23	06/30/27		-852
ROW Permits Complete	06/30/23	08/30/27	-1,522	-913
Solicitation for Construction Contract	06/30/23	08/30/27	-1,522	-882
Award of Construction Contract	01/31/24	02/03/28	-1,464	-795
NTP - Construction Contract	02/01/24	03/01/28	-1,490	-784
Gate 6 - Substantial Completion	02/01/27	03/01/31	-1,489	-1,097
Gate 7 - Start-Up / Turnover Complete	05/01/27	06/30/31	-1,521	-1,125
Gate 8 - Project Closeout Complete	06/30/27	09/30/31	-1,553	-1,126

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 California Environmental Quality Act (CEQA) / National Environmental Policy Act (NEPA) environmental clearance documents. Capital Planning continues to coordinate with the City of Sunnyvale to finalize Draft Service Agreement (SA) #2, which covers technical review and coordination work as well as Caltrain environmental clearance tasks. City anticipates being able to execute SA#2 by April 2024.

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 April/May 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%

This project is on pause on the City's end while they prioritize moving the Bernardo Ave Undercrossing forward. Once the City is ready, Caltrain will execute a new Agreement to advance the project in Preliminary engineering phase. Once the new Agreement is executed, the project will be presented to Management Committee for Gate 2 and a new project number will be issued.

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	03/30/25	-911	-547
Publish Solicitation for Preliminary Design	08/31/23	06/30/26	-1,034	-364
Award - Preliminary Design Contract	09/04/26	09/04/26	0	0
Gate 3 - 35% Development Complete	03/31/25	03/30/27	-729	-273
Gate 4 - 65% Development Complete	09/30/26	12/30/27	-456	-274
ROW Permits Complete	06/30/27	01/30/28	-214	-214
Environmental Clearance Complete	12/31/25	06/30/27	-546	0
Solicitation for Construction Contract	01/01/29	06/01/28	214	-183
Gate 5 - 100% Development/IFB Complete	09/30/29	12/30/28	274	-274
Award of Construction Contract	09/30/29	12/30/28	274	-244
NTP - Construction Contract	01/01/30	03/01/29	306	-273
Gate 6 - Substantial Completion	06/30/33	03/30/30	1,188	123
Gate 7 - Start-Up / Turnover Complete	12/31/33	06/30/30	1,280	123
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

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 Sunnyvale	Local	38		
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
Project is on pause	TBD This project is on pause on the City's end while they prioritize moving the Bernardo Ave Undercrossing forward.	Once the City is ready, Caltrain will execute a new Agreement to advance the project in Preliminary engineering phase. Once the new Agreement is executed, the project will be presented to Management Committee for Gate 2 and a new project number will be issued.	TBD

Mary Ave Grade Separation

Project No. **100668**

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

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 	R 	G 	G 
Previous	G 	G 	G 	G 

Progress (%)	Change Prev. Qtr.
NA	NA

The project's schedule delay stems from its management not being led by Caltrain, and its division into multiple contract packages, totaling five, each at different stages of design. The 4KY contract package lags the furthest behind, with only 35% design completion expected by fall. This delay is primarily attributed to the challenges posed by construction within Caltrain's operational railway. The Transbay Joint Powers Authority (TJPA) is collaborating with Caltrain to investigate inventive design solutions enabling uninterrupted operations during construction.

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

Downtown Rail Extension (DTX)

Project No. **100687**

Table 2. SAFETY INCIDENTS

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

Table 3. MILESTONE SCHEDULE

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Change Prev. Quarter
	(A)	(B)	(C=A-B)	(D)
Gate 1 – Project Initiation	04/28/22	04/28/22	0	0
MOU & Funding Agreement - TJPA	08/03/23	08/03/23	0	0
Master Cooperative Agreement	09/05/24	09/05/24	0	0
Gate 3 - 35% Development Complete	02/01/23	11/30/24	-668	0
Publish Solicitation for Final Design Contract	01/01/25	01/01/25	0	0
Gate 5 - 100% Development/IFB Complete	04/01/25	04/01/25	0	0
Environmental Clearance Complete	04/01/25	04/01/25	0	0
Award of Construction Contract	06/01/27	06/01/27	0	0
NTP - Construction/Implementation Contract	10/01/27	10/01/27	0	0
Gate 6 - Substantial Completion	12/01/31	12/01/31	0	0
Gate 7 - Start-Up / Turnover Complete	04/01/32	04/01/32	0	0
Gate 8 - Project Closeout Complete	01/01/33	01/01/33	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

Downtown Rail Extension (DTX)

Project No. **100687**

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

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
None				

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

Issue Title	Responsibility Status	Action	Resolution Date
None			

KEY ACTIVITIES - Current Reporting Quarter

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 was anticipated that the 4KY Agreement and MCA will be brought to the Caltrain board for approval in June and August 2024, respectively. However, TJPA has recently conveyed that the project will not be able to request the Full Funding Grant Agreement (FFGA) later this year due to a two billion dollar funding gap. As a result, the project will be delayed by approximately 27 months. Caltrain is exploring opportunities to take advantage of this delay and update the timeline and workplan for completing the agreements. Staff is working with TJPA and the other DTX partners on developing the terms of a six-party Successor MOU which is planned to go to the TJPA (and subsequently the Caltrain Board) in June and July. The Successor MOU outlines the project governance structure and work plan as it progresses through procurement, pre-construction, construction, and commissioning.

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.

Middle Avenue Undercrossing

Project No. 100703

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. It is anticipated the project will go before the Management Committee in June, 2024 for Gate 3 and also request schedule and budget re-baseline.

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 #2) 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. 100703

Table 3. MILESTONE SCHEDULE

Milestones	Baseline Completion	Completion (A = Actual)	Variation (days)	Δ Prev Quarter
	(A)	(B)	(C=A-B)	(D)
Gate 1 - Project Initiation	02/01/22	02/01/22	0	0
Gate 3 - 35% Development Complete	06/30/23	06/01/24	-337	-245
Publish Solicitation for Final Design	08/31/23	06/01/24	-275	0
Publish Solicitation for CMGC	06/01/24	06/01/24	0	0
Award of Final Design Contract	08/15/24	08/15/24	0	0
Award of CMGC Contract for Pre-construction	09/25/24	09/25/24	0	0
Environmental Clearance Complete	02/28/25	01/15/25	44	409
ROW Permits Complete	09/30/25	05/31/25	122	456
Gate 4 - 65% Development Complete	06/30/24	07/15/25	-380	169
TCP for CMGC	09/15/25	09/15/25	0	0
Award of Construction Contract	11/01/27	12/15/25	686	351
NTP - Construction Contract	11/01/27	03/01/26	610	275
Gate 5 - 100% Development/IFB Complete	02/01/27	11/14/26	79	-286
Gate 6 - Substantial Completion	11/01/30	09/30/27	1,128	427
Gate 7 - Start-Up / Turnover Complete	05/01/31	12/31/27	1,217	425
Gate 8 - Project Closeout Complete	08/01/31	03/31/28	1,218	426

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

Estimate at Completion	
Low	High
43,856	51,209

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)
FY23 City of Menlo Park SA # 2	Local	572	0	572	572	0
Totals		572	0	572	572	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
			\$ -	

Middle Avenue Undercrossing

Project No. 100703

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	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 in June, 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 Request for Proposal (RFP) and Memorandum of Understanding (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 design on the future Menlo Park (Ravenswood) grade separation. Capital Project Delivery to take Middle Avenue Work Plan to the Management Committee in June 2024. The Request for Proposal to procure a CMGC contractor is in progress.

PROJECT NOTES

This project was previously reported under 100686 that only covered Service Agreement # 1 with the City.

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.
0.69%	NA

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
44,960	67,440

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 (A)	Changes (B)	Current (C=A+B)		
		Measure RR - Capital	Local	156		
Totals		156	0	156	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
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.	\$ -	

North Fair Oaks Bike and Pedestrian Crossing

Project No. 100733

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.	TBD
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.	TBD

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 did 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

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.

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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	G	G	G	G

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

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

NEXT KEY ACTIVITIES

Caltrain will work with city staff as they incorporate Caltrain comments to help City Council select Locally Preferred Alternatives (LPAs) to advance to preliminary engineering.

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.
1.6%	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: TBD
 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.	6/1/2024
	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.	6/1/2024

KEY ACTIVITIES - Current Reporting Quarter

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

NEXT KEY ACTIVITIES

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

PROJECT NOTES

Current Budget/EAC is based on full bridge replacement option. Current Budget/Estimate at Completion (EAC) is based on the latest re-forecast effort. It also excludes Acoustic Monitoring System scope, which will be tracked as a separate project.

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 	R 	G 	G 

Progress (%)	Change Prev. Qtr.	EAC/Budget
100.00%	0.00%	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

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	0

25th Avenue Grade Separation

Project No.

002088

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

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100	2,025	4,593	6,618	6,618	0	0.0%
Environmental	1200	385	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	274	0	0.0%
Contingency	9900	372	-98	274	NA		
Grand Totals	NA	4,500	195,855	200,355	200,355	0	0.0%
(*) ICAP already included in totals above			4,940	4,940	4,940	0	0.0%

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

Table 5. FUNDING (in thousands of \$)

Fund Source Title	Type	Board Approved			Activated Funding	Unactivated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
SMCTA	Local	3,700	90,910	94,610	94,610	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	195,655	200,355	200,355	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 closeout.	Project Manager to seek schedule re-baseline once the ROW survey scope is accurately defined.	5/31/2024

KEY ACTIVITIES - Current Reporting Quarter

Continued to require environmental monitoring. PG&E scheduled their final work.

NEXT KEY ACTIVITIES

Continue to require environmental monitoring (end of August 2024) and PG&E will finish their work in April 2024.

PROJECT NOTES

- 1) Pending budget transfer of \$75K to Project 100684 - Mini High Platforms.
- 2) Completed the internal budget transfer for \$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

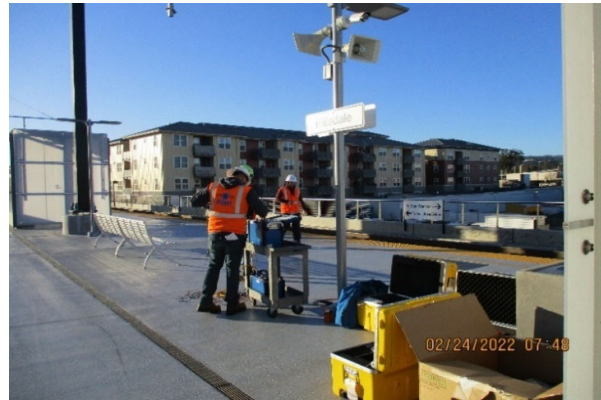


Photo 2 - OCS Grounding Testing.

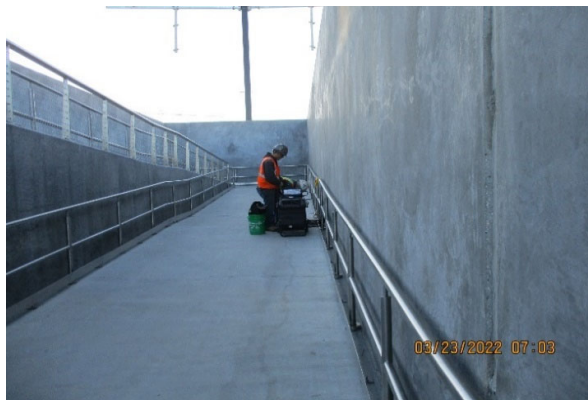


Photo 3 - South Ramp fixing plate kickers



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%

Union Pacific Railroad (UPRR) track lost due to construction: Project is still addressing an obligation to UPRR to fund rebuilding of 4,200' of yard track that UPRR lost, due to construction of this project. Negotiating a cash settlement with UPRR. Draft cost of \$5.17M is within available budget. TA prefers to close the book by end of FY24. Draft agreement reviewed by legal and forwarded to UPRR on 12/29/23. Follow on meeting held with UPRR on 4/15/24 to continue negotiation on two open items (cost and short line language).

SCOPE Summary

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

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

Project Manager: Hubert Chan
 Principal Designer: RSE
 Const. Contractor: ProVen Management, Inc.

Table 2. SAFETY INCIDENTS

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

South San Francisco Station Improvement Project

Project No. **002146**

Table 3. MILESTONE SCHEDULE

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Δ Prev Quarter
	(A)	(B)	(C=A-B)	(D)
Adv	04/12/17	04/12/17	0	0
Bid Opening	06/12/17	06/12/17	0	0
Award	08/03/17	08/03/17	0	0
LNTP	10/09/17	10/09/17	0	0
NTP	03/06/18	03/06/18	0	0
Project status update to JPB CAC	09/15/21	09/15/21	0	0
Project status update to TA CAC (Citizen Advisory Committee)	10/05/21	10/05/21	0	0
Project status update to TA Board	10/07/21	10/07/21	0	0
Substantial Completion	11/30/21	11/30/21	0	0
Station Opening	01/13/22	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	0

South San Francisco Station Improvement Project

Project No. 002146

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

Type of Work		Budget			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100	3,127	-1,718	1,409	1,409	0	0.0%
Environmental	1200	100	-94	6	6	0	0.0%
Real Estate	2100	0	4,819	4,819	4,819	0	0.0%
Utilities Relocations	2200	200	4,670	4,870	4,870	0	0.0%
Construction ODCs	2300	0	63	63	63	0	0.0%
Const./Impl. Contracts	3100	37,000	10,236	47,236	47,236	0	0.0%
Construction Management	4100	3,323	3,427	6,750	6,750	0	0.0%
Design Support During Const.	4200	1,109	5,764	6,872	6,872	0	0.0%
Testing & Commissioning	4300	0	2,000	2,000	2,000	0	0.0%
Agency/ODCs	5000	0	1,661	1,661	1,661	0	0.0%
Project Management	5100	2,664	2,925	5,589	5,589	0	0.0%
Project & Document Control	5200	126	1,040	1,166	1,166	0	0.0%
Finance/Accounting	5300	63	-37	26	26	0	0.0%
Contracts & Procurement	5400	116	-71	44	44	0	0.0%
Legal	5500	50	322	372	372	0	0.0%
Information Technology	5600	0	11	11	11	0	0.0%
Communications/P. Relations	5700	0	19	19	19	0	0.0%
Human Resources	5800	0	0	0	0	0	
Safety/Security & Risk Mgmt.	5900	0	547	547	547	0	0.0%
Equip./Material Purchases	6100	0	269	269	269	0	0.0%
CalMod Program	7100	0	0	0	0	0	
Oper. Support	8100	1,656	2,085	3,741	3,741	0	0.0%
Undefined and others			791	791	791		
Subtotals	NA	49,533	38,729	88,262	88,262	0	0.0%
Risks (known & unknown)	NA	NA	NA	NA	276		
Contingency	9900	6,767	-6,490	276	NA	0	0.0%
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%
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Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

South San Francisco Station Improvement Project

Project No. 002146

Table 5. FUNDING (in thousands of \$)

Fund Source 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 (San Mateo County Transit District)	Local			
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	Issue work directive with TASI to relocate connection to South Airport Blvd. as directed by the Fire Marshal post project completion.	TBD
	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. Will utilize TASI to perform the work.		
UPRR track lost due to construction	TBD	Negotiating a cash settlement with UPRR. Draft cost of \$5.17M is within available budget. TA prefers to close the book by end of FY24. Requested an update for April 2024. Draft agreement reviewed by legal and forwarded to UPRR on 12/29/23.	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.		

South San Francisco Station Improvement Project

Project No. **002146**

KEY ACTIVITIES - Current Reporting Quarter

Project close out continued.

NEXT KEY ACTIVITIES

Agency staff to prepare lessons learned session and to revise ADA slopes at ramps and landing design criteria to require industry recommended construction tolerances.

PROJECT NOTES

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

CLOSEOUT
ROW Bridges

Bayshore Station Overpass Pedestrian Bridge Rehab

Project No. **100439**

Table 1. Status Summary and Total Project Performance

Project Phase: **7 – Start-up/Turnover**

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

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

SCOPE Summary

The Project scope consists of the removal and replacement of existing paint coatings on the steel surfaces of the pedestrian bridge and stairs at the Caltrain Bayshore Station in San Francisco.

Project Manager: Alvin Piano
 Principal Designer: TranSystems
 Const. Contractor: Top Line Engineers

Table 2. SAFETY INCIDENTS

Safety Incidents by type	This Quarter	Total to Date
Type I incidents	0	3
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	02/22/24	02/22/24	0	0
Gate 7 – Start-up/Turnover	12/31/24	12/31/24	0	0
Gate 8 – Closeout	12/31/24	12/31/24	0	0

Bayshore Station Overpass Pedestrian Bridge Rehab

Project No. **100439**

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

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100	293	-178	115	115	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	321	1,483	1,483	0	0.0%
Design Support During Const.	4200	0	0	0	0	0	
Testing & Commissioning	4300	0	0	0	0	0	
Agency/ODCs	5000	27	79	105	105	0	0.0%
Project Management	5100	77	289	366	366	0	0.0%
Project & Document Control	5200	356	-267	88	88	0	0.0%
Finance/Accounting	5300	107	-106	0	0	0	0.0%
Contracts & Procurement	5400	71	-51	20	20	0	0.0%
Legal	5500	47	209	255	255	0	0.0%
Information Technology	5600	0	0	0	0	0	
Communications/P. Relations	5700	55	-52	3	3	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	116	116	116	0	0.0%
Oper. Support	8100	414	-96	319	319	0	0.0%
Subtotals	NA	4,880	1,532	6,412	6,412	0	0.0%
Unknown Risks	NA	NA	NA	NA	458		
Unallocated Contingency	9900	1,990	-1,532	458	NA	0	0.0%
Grand Totals	NA	6,870	0	6,870	6,870	0	0.0%

(*) ICAP already included in totals above	275		275	275	0	
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Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

Bayshore Station Overpass Pedestrian Bridge Rehab

Project No. **100439**

Table 5. FUNDING (in thousands of \$)

Fund Source 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
None.	-----		

Bayshore Station Overpass Pedestrian Bridge Rehab

Project No. **100439**

KEY ACTIVITIES - Current Reporting Quarter

Continued to work with the team in completing final punch list items. In addition, continued to work with legal team to identify next steps and schedule for close-out phase. Obtained approval from the Management Committee for the Gate 6 & Schedule was re-baslined.

NEXT KEY ACTIVITIES

Continue to work with the team in completing final punch list items. In addition, continue to work with legal team to identify next steps and schedule for close-out phase.

PROJECT NOTES

None.

PROJECT PHOTOS



Photo 1 - West Side Containment System



Photo 2 - East Side Containment System

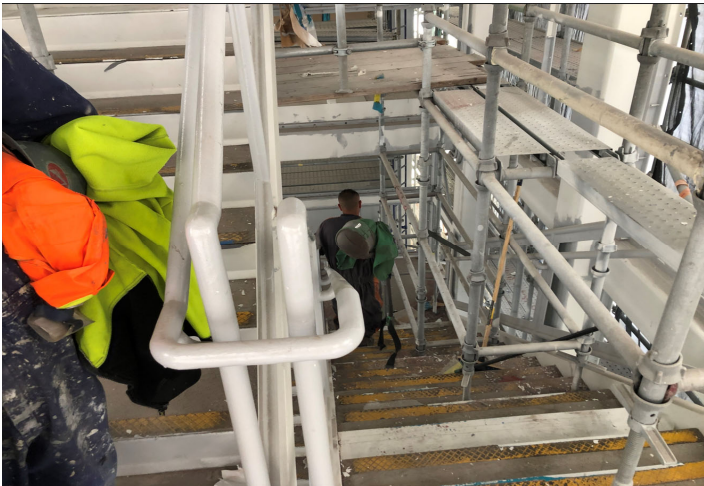


Photo 3 - West Tower Paint Layer

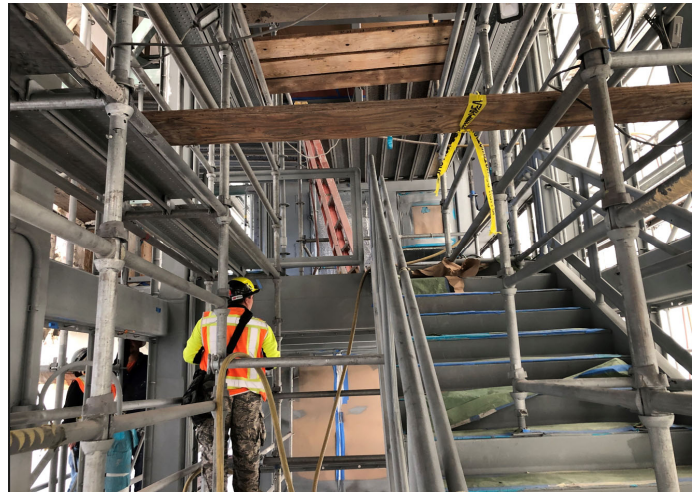


Photo 4 - East Tower Paint Preparation

CLOSEOUT
ROW Grade Crossings

Watkins Ave Grade Crossing Safety Improvements

Project No. 100522

Table 1. Status Summary and Total Project Performance

Project Phase: 8 - Closeout

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

Progress (%)	Change Prev. Qtr.	EAC/Budget
95.14%	4.49%	82%

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	01/21/22	01/21/22	0	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	12/01/22	12/01/22	0	0
NTP	01/03/23	01/03/23	0	0
Gate 6 - Substantial Completion	01/25/24	01/25/24	0	0
Gate 7 - Start-Up / Turnover Complete	01/25/24	01/25/24	0	0
Gate 8 - Project Closeout Complete	04/30/24	04/30/24	0	0

Watkins Ave Grade Crossing Safety Improvements

Project No. 100522

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

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100	600	-80	520	520	0	0
Environmental	1200	30	-26	4	4	0	0
Real Estate	2100	30	-30	0	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	60	410	410	0	0
Design Support During Const.	4200	100	-60	40	40	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	600	700	700	0	0
Subtotals	NA	3,615	-210	3,405	3,405	0	0
Risks (known & unknown)	NA	NA	NA	NA	0	755	0
Contingency	9900	560	195	755	NA		
Grand Totals	NA	4,175	-15	4,160	3,405	0	0

(*) ICAP already included in totals above	126	0	126	126	0	0.0%
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Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

Table 5. FUNDING (in thousands of \$)

Fund Source Title	Type	Board Approved			Activated Funding	Unactivated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
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
None.	-----		1/25/2024

KEY ACTIVITIES - Current Reporting Quarter

TASI received the new radar detector and installed it. Tested the whole system and it works as intended. The exit gates were cut over and turned over to Rail Operations. Went to the Management Committee and received approval for Substantial Completion, Turnover and rebaseline project schedule. Began the project close-out.

NEXT KEY ACTIVITIES

Complete the project close-out.

PROJECT NOTES

None.

PROJECT PHOTOS



Railroad Crossing



Newly installed exit gates









CLOSEOUT
Fare Collection

Ticket Vending Machines (TVM) Rehab

Project No. **100240**

Table 1. Status Summary and Total Project Performance

Project Phase: **8 - Closeout**

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

Progress (%)	Change Prev. Qtr.	EAC/Budget
98.90%	0.20%	100%

SCOPE Summary

The project will develop the central back-office software necessary to upgrade the TVMs to have Clipper functionality and upgrade components which are obsolete. Additional scope to replace the credit card readers in all existing TVMs has been added to a separate construction contract and is being funded by the IT Department.

The current scope of this project is:

Phase 1 - Two prototype TVM's will be refurbished with Clipper functionality and upgraded components. The prototypes will be installed at Central for testing and development work "Complete".

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

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

Phase 4 will upgrade an additional 27 TVMs at the stations - "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	05/12/23	05/12/23	0	0
Phase 5 NTP	10/01/22	10/01/22	0	0
Phase 5 Complete	11/03/23	11/03/23	0	0
Gate 6 - Substantial Completion	01/25/24	01/25/24	0	0
Gate 7 - Start-Up/Turnover Complete	01/25/24	01/25/24	0	0
Gate 8 - Project Closeout	03/30/24	04/25/24	-26	-26

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	0	
Communications/P. Relations	5700	0		0	0	0	
Human Resources	5800	0		0	0	0	
Safety/Security & Risk Mgmt.	5900	0		0	0	0	
Equip./Material Purchases	6100	0		0	0	0	
CalMod Program	7100	0		0	0	0	
Oper. Support	8100	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
None.			

KEY ACTIVITIES - Current Reporting Quarter

Received approval from the Management Committee for Substantial Completion, Turnover and rebase project schedule for closeout. Continued the close out of the project.

NEXT KEY ACTIVITIES

Complete the Close-Out of the Project.

PROJECT NOTES

At the January 2024 Management Committee meeting, Project have been approved for Gate 6 & 7 and schedule was re-baselined.

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

CLOSEOUT
Miscellaneous

Automatic Passenger Counters at San Francisco 4th & King Station

Project No. 100445

Table 1. Status Summary and Total Project Performance

Project Phase: 8 - Closeout

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

Progress (%)	Change Prev. Qtr.	EAC/Budget
100.00%	1.26%	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	0

Automatic Passenger Counters at San Francisco 4th & King Station

Project No. 100445

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

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100		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

Presented the final phase gate to the Management Committee to close out project and received approval.

NEXT KEY ACTIVITIES

This is the last report for this 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

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
Award of Implementation Contract	12/05/24	12/05/24	0	0
NTP - Implementation Contract	12/21/24	12/21/24	0	0
Concept Development Sample Complete	02/28/25	02/28/25	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	
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Prior to 1/1/2021 ICAP was applied only to labor charges. Currently it is applied to all project charges and 4% is used for all estimates.

Enterprise Asset Management (EAM) Software System

Project No. **100564**

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)		
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 July 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
41.72%	7.92%	78%

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

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	Bin Zhang	Identified appropriate resources to be summer interns and as proposed positions in Engineering organization. Specific timeframe for resource availability remains unknown.	02/15/24
	Resolved		
Received OCS CADD files are not attributed to facilitate a direct import into GIS.	Bin Zhang	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.	02/15/24
	Resolved		

Update and Upgrade GIS System

Project No. **100565**

KEY ACTIVITIES - Current Reporting Quarter

Continued to digitize overpasses, grade crossings, storm drains, and update access gates. The flasher & gate naming convention has been incorporated into GIS.

NEXT KEY ACTIVITIES

Review and confirm its quality before pushing the data into production. We plan to hire GIS Analysts in FY25 to continue collecting and integrating spatial data with the support from the shared service.

PROJECT NOTES

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

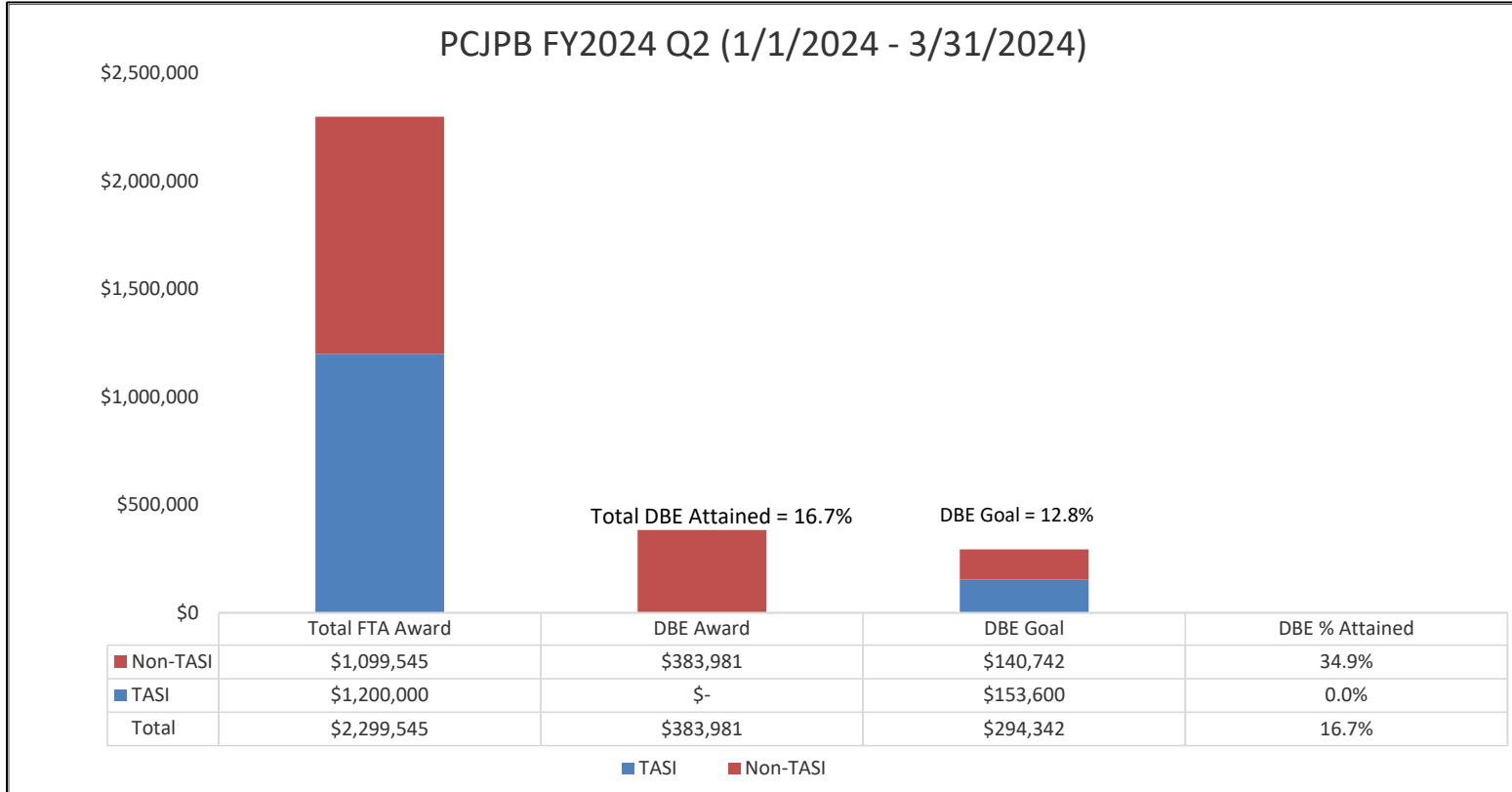
PROJECT PHOTOS

None.

Appendix A - Disadvantaged Business Enterprise (DBE)

Disadvantaged Business Enterprise (DBE)

PCJPB Award



Note: The overall triennial DBE goal for Federal Fiscal Years 2023-25 is 12.8%.
 The quarterly DBE attainment was 16.7% 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

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Activity ID	Activity Name	BL Project Start	Start	BL Project Finish	Finish	Timeline (2024-2032)											
						2024	2025	2026	2027	2028	2029	2030	2031	2032			
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 Milestone	20-Jul-15	20-Jul-15 A	26-Oct-23	31-Aug-24	31-Aug-24, 002088.A10 Milesto...											
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 of Construction Contract			06-Jul-17	06-Jul-17 A												
GC1130	LNTF	10-Aug-17	10-Aug-17 A														
GC1110	NTP - Construction/Implementation Contract	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	Turnover C...											
GC1120	Gate 8 - Project Closeout Complete			26-Oct-23	31-Aug-24*	Gate 8 - Project Closeout Comp...											
002113	Guadalupe Bridges Replacement	21-Aug-17	21-Aug-17 A	08-Dec-25	16-May-25	16-May-25, 002113, Guadalupe B...											
	002113.A10 Milestones	21-Aug-17	21-Aug-17 A	08-Dec-25	16-May-25	16-May-25, 002113.A10 Milesto...											
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	LNTF	21-Nov-22	21-Nov-22 A														
A1310	PCEP Completes Removal of MT2 OCS				08-Feb-23 A	Removal of MT2 ...											
A1280	Return of MT2 to PCEP for OCS Reinstallation				21-Oct-23 A	Return of MT2 to PCEP for OCS ...											
A1260	ACE Cost Sharing Agreement				15-Dec-23 A	ACE Cost Sharing Agreement											
A1440	UPRR Construction & Maintenance Agreement				28-Mar-24 A	UPRR Construction & Maintenanc...											
A1190	Gate 6 - Substantial Completion			08-Sep-25	17-Jan-25	Gate 6 - Substantial Completio...											
A2340	Gate 7 - Start-Up / Turnover Complete			09-Oct-25	16-Feb-25*	Gate 7 - Start-Up / Turnover C...											
A1010	Gate 8 - Project Closeout Complete			08-Dec-25	16-May-25*	Gate 8 - Project Closeout Comp...											
002146	SSF Station Improvement Project	12-Jun-17	12-Jun-17 A	30-Jun-23	30-Jun-24	30-Jun-24, 002146, SSF Station...											
	002146.A10 Milestone	12-Jun-17	12-Jun-17 A	30-Jun-23	30-Jun-24	30-Jun-24, 002146.A10 Milesto...											
M1140	Bid Opening	12-Jun-17	12-Jun-17 A														
M1150	Award	03-Aug-17	03-Aug-17 A														
M1130	LNTF	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	Turnover C...											
M1120	Gate 8 - Project Closeout Complete			30-Jun-23	30-Jun-24*	Gate 8 - Project Closeout Comp...											

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



Caltrain Capital Program
Project's Major Milestones

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Activity ID	Activity Name	BL Project Start	Start	BL Project Finish	Finish	Timeline (2024-2032)											
						2024	2025	2026	2027	2028	2029	2030	2031	2032			
002152 South Linden & Scott Grade Separation						[Gantt bar from 01-Jan-18 to 08-Apr-32]											
002152.A10 Milestones						[Gantt bar from 01-Jan-18 to 08-Apr-32]											
A1110	Gate 1 - Project Initiation	01-Jan-18	01-Jan-18 A			[Timeline]											
A1420	Gate 2 - 15% Development Complete			01-Jan-18	31-May-22 A	[Timeline]											
A1500	Award - Preliminary Design Contract			04-May-23	04-May-23 A	[Timeline]											
A1370	Service Agreement: Final Design/Pre-Construction				01-Jan-25*	[Timeline]											
A1360	Execute Optional Services Final Design				01-Jun-25*	[Timeline]											
A1380	Project Delivery Method RFP [DBB, PDB, CMGC]				01-Jun-25*	[Timeline]											
A1350	Environmental Clearance Complete			31-Mar-24	16-Jul-25	[Timeline]											
A1320	Gate 3 - 35% Development Complete			31-May-25	16-Jul-25	[Timeline]											
A1330	Gate 4 - 65% Development Complete			30-Dec-25	13-Feb-26	[Timeline]											
A1200	Gate 5 - 100% Development/IFB Complete			30-Apr-27	15-Jun-27	[Timeline]											
A1210	Solicitation for Construction Contract			01-Oct-27	15-Sep-27	[Timeline]											
A1340	ROW Permits Complete			30-Mar-28	31-Mar-28*	[Timeline]											
A1220	Award of Construction Contract			30-Apr-28	06-Jul-28*	[Timeline]											
A1290	NTP - Construction Contract	01-May-28	07-Jul-28			[Timeline]											
A1160	Gate 6 - Substantial Completion			30-Jun-31	05-Sep-31	[Timeline]											
A1300	Gate 7 - Start-Up / Turnover Complete			31-Oct-31	08-Jan-32	[Timeline]											
A1180	Gate 8 - Project Closeout Complete			31-Jan-32	08-Apr-32	[Timeline]											
100233 MP-36 Locomotive Mid-Life Overhaul						[Gantt bar from 01-Apr-17 to 31-Mar-25]											
100233.A10 Milestones						[Gantt bar from 01-Apr-17 to 31-Mar-25]											
A1110	Gate 1 - Project Initiation	01-Apr-17	01-Apr-17 A			[Timeline]											
A1220	Award of Overhaul Contract			30-Apr-20	02-Apr-20 A	[Timeline]											
A1290	NTP - Overhaul Contract			16-Jun-20	16-Jun-20 A	[Timeline]											
A1310	Unit 924 Conditional Acceptance				20-Apr-23 A	[Timeline]											
A1320	Unit 925 Conditional Acceptance				20-Nov-23 A	[Timeline]											
A1330	Unit 926 Conditional Acceptance				12-Feb-24 A	[Timeline]											
A1340	Unit 928 Conditional Acceptance				09-Sep-24*	[Timeline]											
A1350	Unit 923 Conditional Acceptance				22-Nov-24*	[Timeline]											
A1160	Gate 6 - Substantial Completion			21-Feb-24	15-Dec-24*	[Timeline]											
A1300	Gate 7 - Start-Up / Turnover Complete			31-May-24	30-Dec-24*	[Timeline]											
A1180	Gate 8 - Project Closeout Complete			30-Aug-24	31-Mar-25*	[Timeline]											
100240 Ticket Vending Machine Rehab Program						[Gantt bar from 01-Jan-18 to 25-Apr-24]											
100240.A10 Milestone						[Gantt bar from 01-Jan-18 to 25-Apr-24]											
A1000	Project Start	01-Jan-18	01-Jan-18 A			[Timeline]											
A1200	Bid Openning			21-Sep-18	21-Sep-18 A	[Timeline]											
A1210	LNTP	06-Dec-18	06-Dec-18 A			[Timeline]											
A1220	Contract Award			30-Apr-19	30-Apr-19 A	[Timeline]											
A1230	Phase 1 NTP	01-Jul-21	01-May-19 A			[Timeline]											
A1240	Phase 2 NTP	25-Feb-20	25-Feb-20 A			[Timeline]											
A1170	Phase 1 Complete			31-Oct-20	31-Oct-20 A	[Timeline]											
A1150	Phase 2 Complete			18-Mar-21	18-Mar-21 A	[Timeline]											
A1250	Phase 3 NTP	14-Sep-21	14-Sep-21 A			[Timeline]											
A1190	Phase 4 NTP	01-Mar-22	01-Mar-22 A			[Timeline]											

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



Caltrain Capital Program
Project's Major Milestones

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Activity ID	Activity Name	BL Project Start	Start	BL Project Finish	Finish	Timeline (2024-2032)											
						2024	2025	2026	2027	2028	2029	2030	2031	2032			
A1390	Gate 4 - 65% Development Complete			22-Jul-23	30-Apr-24	◆ Gate 4 - 65% Development Compl...											
A1300	ROW Permits Complete			01-Jan-25	01-Jan-25*	◆ ROW Permits Complete											
A1070	Gate 5 - 100% Development Complete/IFB			01-Jun-24	03-Apr-25	◆ Gate 5 - 100% Development Comp...											
A1470	Environment Clearance Complete			30-Jun-24	30-Apr-25	◆ Environment Clearance Complete											
A1120	Award of Construction Contract			01-Jul-24	26-May-25	◆ Award of Construction Contract											
A1080	NTP - Construction Contract	01-Aug-24	18-Jun-25			◆ NTP - Construction Contract											
A1100	Gate 6 - Substantial Completion			03-May-27	28-Feb-28	◆ Gate 6 - Substantial Completio...											
A1410	Gate 7 - Start-UP/Turnover Complete			02-Aug-27	29-Apr-28*	◆ Gate 7 - Start-UP/Turnover Com...											
A1010	Gate 8 - Project Closeout Complete			01-Nov-27	26-Jun-28*	◆ Gate 8 - Project Closeout Comp...											
100667 Bernardo Avenue Undercrossing		01-Feb-22	01-Feb-22 A	30-Jun-27	30-Sep-31	▶ 30-Sep-31, 1											
100667.A10 Milestones		01-Feb-22	01-Feb-22 A	30-Jun-27	30-Sep-31	▶ 30-Sep-31, 1											
A1110	Gate 1 - Project Initiation	01-Feb-22	01-Feb-22 A														
A1360	Gate 2 - 15% Development Complete			31-Mar-22	30-Aug-24*	◆ Gate 2 - 15% Development Compl...											
A1320	Gate 3 - 35% Development Complete			01-May-22	31-Mar-25*	◆ Gate 3 - 35% Development Compl...											
A1380	Environmental Clearance Complete			30-Jun-23	30-Aug-25	◆ Environmental Clearance Comple...											
A1410	Publish Solicitation for Final Design Contract			01-Oct-22	31-Jan-26*	◆ Publish Solicitation for Final...											
A1400	Award of Final Design Contract			06-Oct-22	30-Jul-26	◆ Award of Final Design Contract											
A1250	ROW Permit Complete			30-Jun-23	27-Jan-27	◆ ROW Permit Complete											
A1370	Gate 4 - 65% Development Complete			31-Mar-23	30-Mar-27	◆ Gate 4 - 65% Development Compl...											
A1350	Gate 5 - 100% Development Complete / IFB			01-Jun-23	30-Jun-27	◆ Gate 5 - 100% Development Comp...											
A1210	Solicitation for Construction Contract			30-Jun-23	30-Aug-27*	◆ Solicitation for Construction ...											
A1220	Award of Construction Contract			31-Jan-24	03-Feb-28	◆ Award of Construction Contract											
A1290	NTP - Construction Contract			01-Feb-24	01-Mar-28	◆ NTP - Construction Contract											
A1300	Gate 6 - Substantial Completion			01-Feb-27	01-Mar-31	◆ Gate 6 - Substantial Com											
A1160	Gate 7 - Start-Up / Turnover Complete			01-May-27	30-Jun-31*	◆ Gate 7 - Start-Up /											
A1180	Gate 8 - Project Closeout Complete			30-Jun-27	30-Sep-31	◆ Gate 8 - Proj											
100676 San Mateo Replacement Parking Track		27-Apr-23	27-Apr-23 A	31-Aug-25	31-Aug-25	▶ 31-Aug-25, 100676: San Mateo R...											
100676.A10 Milestones		27-Apr-23	27-Apr-23 A	31-Aug-25	31-Aug-25	▶ 31-Aug-25, 100676:A10 Milesto...											
A1230	Gate 4 - 65% Development Complete			27-Apr-23	27-Apr-23 A	◆ Gate 4 - 65% Development Compl...											
A1500	Gate 5 - 100% Development/IFB Complete			27-Jul-23	27-Jul-23 A	◆ Gate 5 - 100% Development/IFB ...											
A1210	Solicitation For Construction Contract			21-Aug-23	21-Aug-23 A	◆ Solicitation For Construction ...											
A1220	Award of Construction Contract			07-Dec-23	07-Dec-23 A	◆ Award of Construction Contract											
A1290	NTP- Construction Contract	01-Mar-24	13-Mar-24 A			◆ NTP- Construction Contract											
A1160	Gate 6 - Substantial Completion			27-Feb-25	04-Mar-25	◆ Gate 6 - Substantial Completio...											
A1300	Gate 7 - Start-Up / Turnover Complete			31-May-25	31-May-25*	◆ Gate 7 - Start-Up / Turnover C...											
A1180	Gate 8 - Project Closeout Complete			31-Aug-25	31-Aug-25*	◆ Gate 8 - Project Closeout Comp...											
100684 Mini High Platform		22-Feb-22	22-Feb-22 A	01-Jun-25	01-Jun-25	▶ 01-Jun-25, 100684: Mini High P...											
100684.A10 Milestones		22-Feb-22	22-Feb-22 A	01-Jun-25	01-Jun-25	▶ 01-Jun-25, 100684:A10 Milesto...											
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	◆ Gate 3 - 35% Development Compl...											
A1340	ROW Permits Complete			14-May-22	14-May-22 A	◆ ROW Permits Complete											
A1350	Environmental Clearance Complete			14-May-22	14-May-22 A	◆ Environmental Clearance Comple...											
A1200	Gate 5 - 100% Development Complete / IFB			24-Aug-23	24-Aug-23 A	◆ Gate 5 - 100% Development Comp...											
A1250	Solicitation For Construction Contract			24-Oct-23 A		◆ Solicitation For Construction ...											

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



Caltrain Capital Program
Project's Major Milestones

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Activity ID	Activity Name	BL Project Start	Start	BL Project Finish	Finish	Timeline											
						2024	2025	2026	2027	2028	2029	2030	2031	2032			
A1220	Award of Construction Contract			07-Dec-23	04-Jan-24 A	Award of Construction Contract											
A1290	NTP - Construction Contract			05-Feb-24	19-Feb-24 A	NTP - Construction Contract											
A1160	Gate 6 - Substantial Completion			31-Dec-24	31-Dec-24	Gate 6 - Substantial Completion											
A1300	Gate 7 - Start-Up / Turnover Complete			01-Mar-25	01-Mar-25*	Gate 7 - Start-Up / Turnover Complete											
A1180	Gate 8 - Project Closeout Complete			01-Jun-25	01-Jun-25*	Gate 8 - Project Closeout Complete											
100687 Downtown Rail Extension (DTX)		28-Apr-22	28-Apr-22 A	01-Jan-33	01-Jan-33												
100687.A10 Milestones		28-Apr-22	28-Apr-22 A	01-Jan-33	01-Jan-33												
A1110	Gate 1 - Project Initiation	28-Apr-22	28-Apr-22 A			Gate 1 - Project Initiation											
A1430	MOU & Funding Agreement - TJPA			03-Aug-23	03-Aug-23 A	MOU & Funding Agreement - TJPA											
A1330	Master Cooperative Agreement			03-May-24	05-Sep-24*	Master Cooperative Agreement											
A1320	Gate 3 - 35% Development Complete			30-Nov-24	30-Nov-24	Gate 3 - 35% Development Complete											
A1380	Publish Solicitation for Final Design Contract			01-Jan-25	01-Jan-25*	Publish Solicitation for Final Design Contract											
A1200	Gate 5 - 100% Development/IFB Complete			01-Apr-25	01-Apr-25	Gate 5 - 100% Development/IFB Complete											
A1350	Environmental Clearance Complete			01-Apr-25	01-Apr-25	Environmental Clearance Complete											
A1220	Award of Construction Contract			01-Jun-27	01-Jun-27	Award of Construction Contract											
A1290	NTP - Construction/Implementation Contract			01-Oct-27	01-Oct-27	NTP - Construction/Implementation Contract											
A1160	Gate 6 - Substantial Completion			01-Dec-31	01-Dec-31	Gate 6 - Substantial Completion											
A1300	Gate 7 - Start-Up / Turnover Complete			01-Apr-32	01-Apr-32	Gate 7 - Start-Up / Turnover Complete											
A1180	Gate 8 - Project Closeout Complete			01-Jan-33	01-Jan-33	Gate 8 - Project Closeout Complete											
100733 North Fair Oaks Bike and Pedestrian Crossing		27-Oct-22	27-Oct-22 A	01-Jul-30	01-Jul-30	01-Jul-30; 100733 North Fair Oaks Bike and Pedestrian Crossing											
100733.A10 Milestones		27-Oct-22	27-Oct-22 A	01-Jul-30	01-Jul-30	01-Jul-30; 100733.A10 Milestones											
A1110	Gate 1 - Project Initiation	27-Oct-22	27-Oct-22 A			Gate 1 - Project Initiation											
A1420	Gate 2 - 15% Development Complete			15-Apr-24	15-Apr-24*	Gate 2 - 15% Development Complete											
A1430	Preliminary Engineering w/option for Final Design RFQ				30-Jun-25*	Preliminary Engineering w/option for Final Design RFQ											
A1450	Award - Preliminary Design Contract				28-Feb-26*	Award - Preliminary Design Contract											
A1320	Gate 3 - 35% Development Complete			15-Apr-26	15-Apr-26	Gate 3 - 35% Development Complete											
A1350	Environmental Clearance Complete			15-Nov-26	15-Nov-26*	Environmental Clearance Complete											
A1330	Gate 4 - 65% Development Complete			15-Feb-28	15-Feb-28	Gate 4 - 65% Development Complete											
A1200	Gate 5 - 100% Development/IFB Complete			15-Sep-29	15-Sep-29	Gate 5 - 100% Development/IFB Complete											
A1210	Solicitation for Construction/Implementation			15-Sep-29	15-Sep-29	Solicitation for Construction/Implementation											
A1340	ROW Permits Complete			15-Sep-29	15-Sep-29*	ROW Permits Complete											
A1220	Award of Construction Contract			15-Jun-30	15-Jun-30	Award of Construction Contract											
A1290	NTP - Construction/Implementation Contract			01-Jul-30	01-Jul-30	NTP - Construction/Implementation Contract											
100759 San Francisquito Creek Bridge Acoustic Monitoring		23-Feb-23	23-Feb-23 A	30-Apr-26	30-Apr-26	30-Apr-26; 100759 San Francisquito Creek Bridge Acoustic Monitoring											
100759.A10 Milestones		23-Feb-23	23-Feb-23 A	30-Apr-26	30-Apr-26	30-Apr-26; 100759.A10 Milestones											
A1110	Gate 1 - Project Initiation	23-Feb-23	23-Feb-23 A			Gate 1 - Project Initiation											
A1200	Gate 5 - 100% Development/IFB Complete			31-Aug-24	30-Aug-24	Gate 5 - 100% Development/IFB Complete											
A1220	Award of Construction Contract			01-Mar-25	01-Mar-25*	Award of Construction Contract											
A1290	NTP - Construction/Implementation Contract			30-Apr-25	30-Apr-25*	NTP - Construction/Implementation Contract											
A1160	Gate 6 - Substantial Completion			29-Nov-25	29-Nov-25*	Gate 6 - Substantial Completion											
A1300	Gate 7 - Start-Up / Turnover Complete			31-Jan-26	30-Jan-26*	Gate 7 - Start-Up / Turnover Complete											
A1180	Gate 8 - Project Closeout Complete			30-Apr-26	30-Apr-26*	Gate 8 - Project Closeout Complete											
100762 San Francisquito Creek Emergency Bank Stabilization		29-Mar-23	29-Mar-23 A	05-May-25	30-May-25	30-May-25; 100762 San Francisquito Creek Emergency Bank Stabilization											

█ Remaining Level of Effort
 █ Actual Work
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Caltrain Capital Program
Project's Major Milestones

29-Apr-24 12:07

Activity ID	Activity Name	BL Project Start	Start	BL Project Finish	Finish	Timeline											
						2024	2025	2026	2027	2028	2029	2030	2031	2032			
100762.A10 Milestones		29-Mar-23	29-Mar-23 A	05-May-25	30-May-25	30-May-25, 100762.A10 Milesto...											
A1110	Award of Construction Contract	29-Mar-23	29-Mar-23 A			Award of Construction Contract											
A1640	Gate 1 - Project Initiation	27-Apr-23	27-Apr-23 A			Initiation											
A1420	Gate 2 - 15% Development Complete			18-May-23	18-May-23 A	Development Compl...											
A1320	Gate 3 - 35% Development Complete			19-May-23	19-May-23 A	Development Compl...											
A1210	Solicitation for Construction			01-Jun-23	01-Jun-23 A	Construction											
A1330	Gate 4 - 65% Development Complete			05-Jul-23	05-Jul-23 A	65% Development Compl...											
A1200	Gate 5 - 100% Development/IFB Complete			11-Aug-23	11-Aug-23 A	100% Development/IFB ...											
A1340	ROW Permits Complete			06-Sep-23	06-Sep-23 A	Permits Complete											
A1360	Temporary Stabilization Complete			22-Nov-23	22-Nov-23 A	Temporary Stabilization Complet...											
A1350	Environmental Clearance Complete			30-Jun-24	30-Jun-24*	◆ Environmental Clearance Comple...											
A1290	NTP - Construction/Implementation Contract			01-Aug-24	01-Aug-24	◆ NTP - Construction/Implementat...											
A1160	Gate 6 - Substantial Completion			31-Dec-24	31-Dec-24	◆ Gate 6 - Substantial Completio...											
A1300	Gate 7 - Start-Up / Turnover Complete			04-May-25	29-May-25*	◆ Gate 7 - Start-Up / Turnover C...											
A1180	Gate 8 - Project Closeout Complete			05-May-25	30-May-25	◆ Gate 8 - Project Closeout Comp...											
100776 Connecting Palo Alto		26-Oct-23	26-Oct-23 A	28-Feb-33	28-Feb-33												
100776.A10 Milestones		26-Oct-23	26-Oct-23 A	28-Feb-33	28-Feb-33												
A1110	Gate 1 - Project Initiation	26-Oct-23	26-Oct-23 A			◆ Project Initiation											
A1420	Gate 2 - 15% Development Complete			01-Jul-24	01-Jul-24*	◆ Gate 2 - 15% Development Compl...											
A1320	Gate 3 - 35% Development Complete			01-Jun-26	01-Jun-26*	◆ Gate 3 - 35% Development Compl...											
A1330	Gate 4 - 65% Development Complete			01-Oct-27	01-Oct-27	◆ Gate 4 - 65% Development Compl...											
A1350	Environmental Clearance Complete			01-Sep-28	01-Sep-28	◆ Environmental Clearance Comple...											
A1340	ROW Permits Complete			30-May-29	30-May-29	◆ ROW Permits Complete											
A1200	Gate 5 - 100% Development/IFB Complete			01-Jun-29	01-Jun-29	◆ Gate 5 - 100% Development/IFB...											
A1210	Solicitation for Construction Contract			01-Jun-29	01-Jun-29	◆ Solicitation for Construction ...											
A1220	Award of Construction Contract			31-Jul-29	31-Jul-29	◆ Award of Construction Contract											
A1290	NTP - Construction Contract			01-Sep-29	01-Sep-29*	◆ NTP - Construction Contract											
A1160	Gate 6 - Substantial Completion			31-Aug-32	31-Aug-32												
A1300	Gate 7 - Start-Up / Turnover Complete			30-Nov-32	30-Nov-32												
A1180	Gate 8 - Project Closeout Complete			28-Feb-33	28-Feb-33												
100780 MS4 Trash Management		27-Apr-23	27-Apr-23 A	01-Nov-26	01-Nov-26	01-Nov-26, 100780: MS4 Trash: M...											
100780.A10 Milestones		27-Apr-23	27-Apr-23 A	01-Nov-26	01-Nov-26	01-Nov-26, 100780:A10: Milesto...											
A1640	Gate 1 - Project Initiation	27-Apr-23	27-Apr-23 A			Initiation											
A1200	Gate 5 - 100% Development/IFB Complete			01-Sep-24	01-Jun-24*	◆ Gate 5 - 100% Development/IFB...											
A1210	Solicitation for Construction or Implementation			01-Jun-24	01-Jun-24*	◆ Solicitation for Construction ...											
A1350	Award of Construction or Implementation Contract			01-Oct-24	01-Oct-24*	◆ Award of Construction or Imple...											
A1290	NTP - Construction or Implementation Contract			01-Jan-25	01-Jan-25	◆ NTP - Construction or Implemen...											
A1160	Gate 6 - Substantial Completion			01-Sep-25	01-Sep-25	◆ Gate 6 - Substantial Completio...											
A1300	Gate 7 - Start-Up / Turnover Complete			01-Nov-25	01-Nov-25*	◆ Gate 7 - Start-Up / Turnover C...											
A1180	Gate 8 - Project Closeout Complete			01-Nov-26	01-Nov-26*	◆ Gate 8 - Project Closeout Comp...											
100785 4th & King Yard Preparation (4KY)		22-Jun-23	01-Apr-24	01-Jan-29	01-May-32												
100785.A10 Milestones		22-Jun-23	01-Apr-24	01-Jan-29	01-May-32												
A1110	Gate 1 - Project Initiation	22-Jun-23	01-Apr-24*			◆ Gate 1 - Project Initiation											
A1320	Gate 3 - 35% Development Complete			01-Dec-23	30-Jun-25	◆ Gate 3 - 35% Development Compl...											

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