



## Projects in Focus

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

### 1. 002113 - Guadalupe River Bridges Replacement and Extension

**-Schedule** - To adapt the project's construction approach to align with new environmental permits, prior environmental permits must be amended for overall consistency. The resulting construction approach, allowable work hours, timelines for amended permits, and resulting project schedule are the subject of ongoing discussions with environmental permitting authorities. At this time, it is apparent that project completion will be delayed. JPB staff will continue to work with environmental permitting authorities to determine the revised project approach and will provide an updated schedule to the Board.

**-Budget** - Based on preliminary forecasts, the environmental permitting challenges above are likely to result in cost increases in excess of the current approved project budget. Anticipated drivers of cost increases are construction delays and extended overhead, including JPB's costs for environmental and construction oversight.

**-Funding** - The approved funding plan for the project relies on multiple sources including State of Good Repair (SOGR) Federal grants. The projected timing for receipt and 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.

### 2. 100403 - Broadband Wireless Communications System

**-Funding:** August Board approved fund swap from State Rail Assistance (SRA) to Transit and Intercity Rail Capital Program (TIRCP) Reimbursed Bond Proceeds. Status light will change to "Green" with next report.

### 3. 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. As of June 18, 2024 Design Contractor received official Temporary Suspension of Work (TSW) Letter. As of June 25, 2024 Construction Manager/General Contractor (CMGC) also received the TSW letter for this Project. City is attempting to utilize their design Consultant to provide 35% plans for the Interim Work that closes the crossing.

### 4. 100684 - Mini-High Platforms

**-Funding:** August Board approved addition TIRCP Reimbursed Bond Proceeds Funds to execute option for south Santa Clara County station and cover supplemental cost pressures. Status light will change to "Green" with next report.

**Watching** (projects with yellow status lights)**1. 100233 - MP-36 Locomotive Mid-Life Overhaul**

- **Funding:** August Board approved addition TIRCP Reimbursed Bond Proceeds Funds to cover supplemental cost pressures. The status light will change to green once the fund is activated.

**2. 100449 - Next Generation Visual Messaging Sign (VMS)**

- **Funding:** August Board approved fund swap with TIRCP Reimbursed Bond Proceeds Funds. Status light will change to green with next report.

**3. 100566 - San Mateo Grade Crossing Improvements**




- **Schedule:** Delay in schedule were attributed to delays in completion of predecessor scope of work required by TASI. Additional delays are not anticipated as the Transit America Services Inc. (TASI) crews are now being committed to the project.

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

- **Funding:** Additional funding is required to be activated to cover construction phase of the project. \$3.77M in Local Partnership Competitive Program (LPP) funds still need to be received and activated. Grants staff are working on the Program Supplement with Caltrans. Requested Pre-approval Spending Authority (PASA) be initiated to pay current and future invoices until LPP funds can be activated.

**Performance Summary**

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

Status Light	Safety	Schedule	Budget	Funding
 Green	100.0%	90.3%	96.8%	80.6%
 Yellow	0.0%	3.2%	0.0%	9.7%
 Red	0.0%	6.5%	3.2%	9.7%

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

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

Status Changes	Projects	Pct. Projects
All green	11	35.5%
Improved	13	41.9%
Got worse	2	6.5%
Stayed the same (except all green)	5	16.1%
<b>Total Projects</b>	<b>31</b>	

**Note:** Table S1 and S2 exclude projects with deferred funding and projects for which traffic lights have been turned off.

**Table S3. Individual Projects**

Project Number	Title	Safety		Schedule		Budget		Funding		Page
		Q3	Q4	Q3	Q4	Q3	Q4	Q3	Q4	
<b>CONSTRUCTION/IMPLEMENTATION</b>										
<b>ROW Bridges</b>										
002113	Guadalupe River Bridges Replacement and Extension	●	●	●	●	●	●	●	●	7
100762	San Francisquito Creek Emergency Bank Stabilization	●	●	●	●	●	●	●	●	15
<b>Stations</b>										
100761	Level Boarding Roadmap (Study)	●	●	●	●	●	●	●	●	20
<b>ROW Grade Crossings</b>										
100426	Churchill Avenue Grade Crossing	●	●	●	●	●	●	●	●	24
100563	FY21-22 Grade Crossing Improvements	●	●	●	●	●	●	●	●	27
100566	San Mateo Grade Crossing Improvements	●	●	●	●	●	●	●	●	30
<b>ROW Communications &amp; Signals</b>										
100403	Broadband Wireless Communications System	●	●	●	●	●	●	●	●	34
100432	Migration to Digital Voice Radio System	●	●	●	●	●	●	●	●	38
100449	Next Generation Visual Messaging Sign (VMS)	●	●	●	●	●	●	●	●	41
100572	Communication System SOGR	●	●	●	●	●	●	●	●	44
<b>Miscellaneous</b>										
100233	MP-36 Locomotive Mid-Life Overhaul Project	●	●	●	●	●	●	●	●	48
100430	CCF BCCF Virtualization	●	●	●	●	●	●	●	●	52
100676	San Mateo Replacement Parking Track	●	●	●	●	●	●	●	●	55
100684	Mini-High Platforms	●	●	●	●	●	●	●	●	58
<b>DESIGN (includes Preliminary and Final Design, and Procurement)</b>										
<b>Grade Separations</b>										
002152	South Linden & Scott Grade Separation	●	●	●	●	●	●	●	●	62
100244	Broadway Burlingame Grade Separation	●	●	●	●	●	●	●	●	62
100482	Rengstorff Grade Separation	●	●	●	●	●	●	●	●	69
100617	Mountain View Transit Center Grade Separation & Access Project	●	●	●	●	●	●	●	●	73
100703	Middle Avenue Undercrossing	●	●	●	●	●	●	●	●	77
<b>ROW Bridges</b>										
100759	San Francisquito Creek Bridge Acoustic Monitoring System	●	●	●	●	●	●	●	●	81
<b>ROW Communications &amp; Signals</b>										
100614	Predictive Arrival/Departure System (PADS) Gap Coverage	●	●	●	●	●	●	●	●	85
<b>Miscellaneous</b>										
100785	4th & King Yard Preparation (4KY)	NA	NA	NA	NA	NA	NA	NA	NA	89

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

Project Number	Title	Safety		Schedule		Budget		Funding		Page
		Q3	Q4	Q3	Q4	Q3	Q4	Q3	Q4	
<b>PLANNING (includes Initiation and Design to 15%)</b>										
<b>Grade Separations</b>										
100410	Whipple Avenue Grade Separation Study	●	●	●	●	●	●	●	●	95
100667	Bernardo Avenue Undercrossing	●	●	●	●	●	●	●	●	97
100668	Mary Ave Grade Separation	●	●	●	●	●	●	●	●	99
100687	Downtown Rail Extension (DTX)	NA	NA	NA	NA	NA	NA	NA	NA	101
100733	North Fair Oaks Bike and Pedestrian Crossing	NA	NA	NA	NA	NA	NA	NA	NA	104
100776	Connecting Palo Alto	●	●	●	●	●	●	●	●	106
<b>ROW Bridges</b>										
100427	San Francisquito Creek Bridge Conceptual Design & Community Engagement	●	●	●	●	●	●	●	●	110
<b>CLOSEOUT (includes Start-up/Turnover and Closeout)</b>										
<b>Grade Separations</b>										
002088	25th Avenue Grade Separation	●	●	●	●	●	●	●	●	115
<b>Stations</b>										
002146	South San Francisco Station Improvement	●	●	●	●	●	●	●	●	119
<b>ROW Bridges</b>										
100439	Bayshore Station Overpass Pedestrian Bridge Rehab	●	●	●	●	●	●	●	●	124
<b>ROW Grade Crossings</b>										
100522	Watkins Ave Grade Crossing Safety Improvements	●	●	●	●	●	●	●	●	129
<b>Fare Collection</b>										
100240	Ticket Vending Machines (TVM) Rehab	●	●	●	●	●	●	●	●	133
<b>Projects with Deferred Funding</b>										
<b>Stations</b>										
100459	22nd Street ADA Improvement	NA	NA	NA	NA	NA	NA	NA	NA	137
<b>Miscellaneous</b>										
100564	Enterprise Asset Management (EAM) Software System	NA	NA	NA	NA	NA	NA	NA	NA	141
100565	Update and Upgrade GIS System	NA	NA	NA	NA	NA	NA	NA	NA	144

Note: The Total EAC (Estimated at Completion) for the projects shown above is: \$ 3,320,646,038









**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	G 	G 	G 	R 
Previous	Y 	G 	G 	R 

Progress (%)	Change Prev. Qtr.	EAC/Budget
<b>58.6%</b>	0.13%	100%

**Schedule** - To adapt the project’s construction approach to align with new environmental permits, prior environmental permits must be amended for overall consistency. The resulting construction approach, allowable work hours, timelines for amended permits, and resulting project schedule are the subject of ongoing discussions with environmental permitting authorities. At this time, it is apparent that project completion will be delayed. JPB staff will continue to work with environmental permitting authorities to determine the revised project approach and will provide an updated schedule to the Board.

**Budget** - Based on preliminary forecasts, the environmental permitting challenges above are likely to result in cost increases in excess of the current approved project budget. Anticipated drivers of cost increases are construction delays and extended overhead, including JPB’s costs for environmental and construction oversight.

**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.

**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	0	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	10/02/26	-389	-623
Gate 7 – Start-up/Turnover	10/08/25	11/01/26	-389	-623
Gate 8 – Closeout	12/07/25	12/31/26	-389	-594

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%
<b>Subtotals</b>	NA	<b>2,300</b>	<b>55,073</b>	<b>57,373</b>	<b>57,373</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	6,326	<b>0</b>	0.0%
Unallocated Contingency	9900		6,326	6,326	NA		
<b>Grand Totals</b>	NA	<b>2,300</b>	<b>61,399</b>	<b>63,699</b>	<b>63,699</b>	<b>0</b>	<b>0.0%</b>

(\*) 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 (SJRRC)	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
<b>Totals</b>		<b>12,400</b>	<b>51,198</b>	<b>63,598</b>	<b>34,293</b>	<b>29,305</b>

**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
Environmental Mitigation Requirements and Permit Amendments	JPB Construction and Environmental	JPB staff is pursuing approval to demolish the existing MT-1 bridge under existing permits during the ongoing 2024 dry season, while concurrently pursuing permit amendments to construct the MT-1 bridge in 2025.	\$ 18,302	High
	As identified in the previous month's report, to resolve constructability conflicts between existing permits, the project is pursuing amendments to multiple environmental permits to achieve overall consistency on the project approach, temporary construction methods, and allowable work hours. The schedule and cost for the remainder of the project are highly dependent on the outcome of these ongoing environmental permitting discussions.		12 months	
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.	\$ -	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. Resolved.		None	

**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 <hr/> The HMMP for the project was approved by environmental permitting authorities 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. The footprint of the HMMP prevents it from being constructed concurrently with the MT-1 bridge. Therefore, the HMMP must be implemented in a subsequent dry season, and the project schedule must be extended accordingly. This schedule extension is reflected in the red "Schedule" status light above.	Pending the resolution of ongoing discussions with Valley Water and environmental permitting authorities regarding the HMMP, the work may be incorporated into Walsh's contract via change order or become the subject of a separate solicitation.	9/1/2024
Design Changes per UPRR Review	JPB Project Manager and JPB Construction Management <hr/> Through its review of the Guadalupe River Bridge Replacement Project design, UPRR directed multiple changes to the MT-1 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.	8/1/2024
Delay in availability of funding.	JPB Project Manager <hr/> The approved funding plan for the project relies on multiple sources including State of Good Repair (SOGR) Federal grants. The projected timing for receipt and 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.	8/15/2024

**Guadalupe River Bridges Replacement and Extension**

Project No. **002113**

**KEY ACTIVITIES - Current Reporting Quarter**

The project successfully completed the relocation of third-party fiber optic cables and positive train control cables from the MT1 bridge to the MT2 bridge. The project achieved a significant milestone by cutting the rails on the aging MT1 bridge, the first step in a series of bridge demolition activities. The project team met with the Federal Transit Administration, the US Army Corps of Engineers, the Regional Water Quality Control Board, the National Marine Fisheries Service, the California Department of Fish and Wildlife, and Valley Water in pursuit of concurrence to continue reconstruction of the MT1 bridge from above the tops of the river banks. JPB staff provided multiple submittals to the listed agencies including a request for permit amendment, a soil sampling plan, and detailed requests to proceed with specific construction activities. To mitigate the risk of delays to MT-1 bridge demolition, the JPB completed the installation of bird nesting deterrent measures on the existing MT-1 bridge. The JPB also continued with the fabrication of precast girders for the new MT-1 bridge superstructure, and continued discussions with environmental permitting authorities to achieve consistency between environmental permits, restrictions, and work hours.

**NEXT KEY ACTIVITIES**

In next quarter, JPB staff will continue discussions with environmental permitting authorities to enable the start of MT-1 bridge demolition and permit amendments for MT-1 bridge construction in 2025. Based on these discussions, JPB staff will prepare an updated project schedule and estimated cost projections.

**PROJECT NOTES**

The quantification of risks above is based on the project team's current understanding of environmental constraints that will inform the revised project approach and schedule. An updated Estimate at Completion will be provided in a subsequent month based on the plan and schedule ultimately approved in anticipated permit amendments discussed above.

**PROJECT PHOTOS**



Photo 1 - Rail removal MT1



Photo 2 - Rail removed from MT1

Guadalupe River Bridges Replacement and Extension

Project No. 002113



Photo 3 - Fiber Optic cable testing

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	G	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
25.30%	25.30%	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: 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 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
Environmental Clearance Complete	06/09/23	06/09/23	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
Solicitation for Construction Contract	12/12/24	12/12/24	0	0
USACE Permits Complete	02/21/25	02/21/25	0	0
Award of Construction Contract	03/06/25	03/06/25	0	0
NTP - Construction Contract	06/16/25	06/16/25	0	0
Gate 6 - Substantial Completion	10/15/25	10/15/25	0	0
Gate 7 - Start-Up / Turnover Complete	12/30/25	12/30/25	0	0
Gate 8 - Project Closeout Complete	03/30/26	03/30/26	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		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		
<b>Subtotals</b>	NA	<b>3,552</b>	<b>4,381</b>	<b>7,933</b>	<b>7,933</b>	<b>0</b>	0.0%
Risks (known & unknown)	NA	NA	NA	NA	1,055	<b>0</b>	0.0%
Contingency	9900	1,776	-721	1,055	NA		
<b>Grand Totals</b>	NA	<b>5,329</b>	<b>3,660</b>	<b>8,988</b>	<b>8,988</b>	<b>0</b>	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
<b>Totals</b>		<b>6,468</b>	<b>0</b>	<b>6,468</b>	<b>4,476</b>	<b>1,993</b>

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

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
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	

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

Issue Title	Responsibility Status	Action	Resolution Date
Additional Funding Required for Construction	Budgets/Grants	Project is being considered for Bond funds and is also on the list of projects looking supplemental funding.	TBD
	TBD.		
Permit Delays	JPB Environmental / JPB Project Manager	Preliminary assessments indicate that the temporary stabilization measures implemented in late 2023 are sufficient to protect the bridge during the 2024-2025 winter. The permanent stabilization project will be postponed until the 2025 dry season. JPB's engineering team will continue to monitor the performance and adequacy of the temporary stabilization measures.	2/21/2025

**San Francisquito Creek Emergency Bank Stabilization**Project No. **100762****KEY ACTIVITIES - Current Reporting Quarter**

Project JPB team monitored the confirmed the adequate performance of the temporary stabilization measures. Submitted archaeological coring results to the US Army Corps of Engineers (USACE), and received confirmation that the USACE now has sufficient information to begin reviewing the project's Section 404 permit application.

**NEXT KEY ACTIVITIES**

During the month of July 2024, due to the success of the temporary stabilization measures, JPB staff will recommend that the JPB Finance Committee consider discontinuing the emergency declaration for the San Francisquito Creek Bridge. In parallel, JPB staff will continue to coordinate with the US Army Corps of Engineers (USACE) to facilitate the issuance of a Section 404 Permit for the permanent stabilization project to be constructed in 2025.

**PROJECT NOTES**

Milestone schedule was re-baselined based on Management Committee approval of an updated Work Plan in June 2024.

**PROJECT PHOTOS**

Temporary stabilization measures currently in place

**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: NA  
 Principal Designer: NA  
 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	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		
<b>Subtotals</b>	NA	<b>801</b>	<b>0</b>	<b>801</b>	<b>801</b>	<b>0</b>	<b>0.0%</b>
Risks (known & unknown)	NA	NA	NA	NA	240		
Contingency	9900	240	0	240	NA	0	0.0%
<b>Grand Totals</b>	NA	<b>1,041</b>	<b>0</b>	<b>1,041</b>	<b>1,041</b>	<b>0</b>	<b>0.0%</b>
(*) 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
<b>Totals</b>		<b>1,091</b>	<b>0</b>	<b>1,091</b>	<b>571</b>	<b>520</b>

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

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood

**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**

Preparation for agency approval began for July Management Committee meeting. The two railroad configuration changes needed to accommodate level boarding will be considered. The consultant work scope, estimate and scoring terms were reviewed by the selection committee, a preview meeting was held with all General Engineering Consultant teams, and forms completed for release of a Work Directive Proposal Request to the GEC bench.

**NEXT KEY ACTIVITIES**

The proposal responding to the WDPR is due to Caltrain July 22, 2022. WD to run 11 months. Level boarding is on the agenda for July Management Committee meeting.

**PROJECT NOTES**

**CONSTRUCTION / IMPLEMENTATION  
ROW Grade Crossings**



**Churchill Avenue Grade Crossing**

Project No. **100426**

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

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

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

Progress (%)	Change Prev. Qtr.	EAC/Budget
<b>71.04%</b>	12.12%	100%

**SCOPE Summary**

The scope includes the widening of the sidewalk to accommodate heavy bike and pedestrian traffic from local schools; relocate the pedestrian crossing gates due to the widened sidewalk; install new pavement marking and markers for vehicular traffic at the Churchill Avenue grade crossing in Palo Alto. Implement a total of 17 seconds of advance signal preemption time.

Project Manager: Angela Myrechuck  
 Principal Designer: RSE  
 Const. Contractor: Stacy and Witbeck, Inc.

**Table 2. SAFETY INCIDENTS**

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

**Table 3. MILESTONE SCHEDULE**

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Change Prev. Quarter
	(A)	(B)	(C=A-B)	(D)
35% Design	03/02/20	03/02/20	0	0
65% Design	07/01/21	07/01/21	0	0
Gate 5 - 100% Development/IFB Complete	05/26/22	05/26/22	0	0
IFB	08/01/22	08/01/22	0	0
Main Contract Award	08/03/23	08/03/23	0	0
LNTF	09/08/23	09/08/23	0	0
Gate 6 - Substantial Completion	09/26/24	10/24/24	-28	-28
Gate 7 - Startup/Turnover Complete	10/24/24	11/21/24	-28	-28
Gate 8 - Project Closeout Complete	01/23/25	02/20/25	-28	-28

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	108	258	258	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	-1,232	268	268	0	0.0%
Construction Management	4100	200	-3	197	197	0	0.0%
Design Support During Const.	4200	30	55	85	85	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	124	164	164	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	85	165	165	0	0.0%
<b>Subtotals</b>	NA	<b>2,415</b>	<b>-575</b>	<b>1,840</b>	<b>1,840</b>	<b>0</b>	<b>0.0%</b>
Risks (known & unknown)	NA	NA	NA	NA	680		
Contingency	9900	105	575	680	NA	<b>0</b>	<b>0.0%</b>
<b>Grand Totals</b>	<b>NA</b>	<b>2,520</b>	<b>0</b>	<b>2,520</b>	<b>2,520</b>	<b>0</b>	<b>0.0%</b>

(\*) ICAP already included in totals above

	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
<b>Totals</b>		<b>2,520</b>	<b>0</b>	<b>2,520</b>	<b>2,520</b>	<b>0</b>

**Churchill Avenue Grade Crossing**

Project No.

**100426**

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

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
Delay in Construction Schedule	City of Palo Alto Delays to predecessor activities by City of Palo Alto impacting JPB contractor schedule.	Hold Construction readiness meetings with City of Palo Alto so JPB Contractor is prepared for work when delays are resolved. Request extension of funds from Caltrans if work cannot be completed within funding timeline.	\$ - TBD	High

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

Issue Title	Responsibility Status	Action	Resolution Date
None.			

**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. CM Team is holding progress meetings as needed during this delay. 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 team will work with SWI on a contract extension.

**PROJECT NOTES**

Project Manager received approval for rebaselining of the project schedule from the Management Committee in May 2024.

**PROJECT PHOTOS**



Photo 1 - Churchill Ave

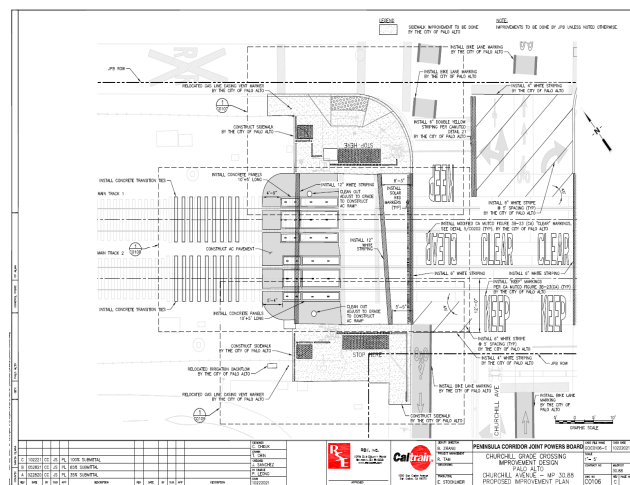


Photo 2 - Churchill Ave Grade Crossing Improvements

**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	G	G	G
Previous	G	Y	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
<b>43.12%</b>	12.65%	100%

**SCOPE Summary**

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

Grade 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	0
NTP	04/01/24	04/15/24	-14	0
Gate 6 - Substantial Completion	06/30/25	06/30/25	0	0
Gate 7 - Start-Up / Turnover Complete	08/01/25	08/01/25	0	0
Gate 8 - Project Closeout Complete	12/30/25	12/30/25	0	0

FY21-22 Grade Crossing Improvements

Project No. 100563

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

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100	300	35	335	335	0	0.0%
Environmental	1200	10	-10	0	0	0	
Real Estate	2100	10	-10	0	0	0	
Utilities Relocations	2200	0	0	0	0	0	
Construction ODCs	2300	0	0	0	0	0	
Const./Impl. Contracts	3100	599	129	728	728	0	0.0%
Construction Management	4100	200	-96	104	104	0	0.0%
Design Support During Const.	4200	30	22	52	52	0	0.0%
Testing & Commissioning	4300	0	0	0	0	0	
Agency/ODCs	5000	0	28	28	28	0	0.0%
Project Management	5100	150	-46	104	104	0	0.0%
Project & Document Control	5200	50	-8	42	42	0	0.0%
Finance/Accounting	5300	5	0	5	5	0	0.0%
Contracts & Procurement	5400	10	0	10	10	0	0.0%
Legal	5500	5	0	5	5	0	0.0%
Information Technology	5600	0	0	0	0	0	
Communications/P. Relations	5700	0	0	0	0	0	
Human Resources	5800	0	0	0	0	0	
Safety/Security & Risk Mgmt.	5900	0	10	10	10	0	0.0%
Equip./Material Purchases	6100	0	0	0	0	0	
CalMod Program	7100	0	0	0	0	0	
Oper. Support	8100	40	2	42	42	0	0.0%
<b>Subtotals</b>	NA	<b>1,408</b>	<b>57</b>	<b>1,465</b>	<b>1,465</b>	<b>0</b>	<b>0.0%</b>
Risks (known & unknown)	NA	NA	NA	NA	75	0	0.0%
Contingency	9900	132	-57	75	NA		
<b>Grand Totals</b>	<b>NA</b>	<b>1,540</b>	<b>0</b>	<b>1,540</b>	<b>1,540</b>	<b>0</b>	<b>0.0%</b>

(\*) ICAP already included in totals above

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

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

Fund Source 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
<b>Totals</b>		<b>1,540</b>	<b>0</b>	<b>1,540</b>	<b>1,540</b>	<b>0</b>

**FY21-22 Grade Crossing Improvements**

Project No. **100563**

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

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
City delays in issuing permits to work.	Robert Tam	PM will engage with the cities early in the design phase to get the cities familiar with the project.	\$ -	Med
	Apply for permits once construction contract is awarded.		60	

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

Issue Title	Responsibility Status	Action	Resolution Date
None.			

**KEY ACTIVITIES - Current Reporting Quarter**

Issued the work directive and Notice to Proceed to TASI. Conducted a kick off meeting with TASI for the work directive. Received a construction schedule from TASI that is aligned with the project schedule. TASI is procuring the equipment, material and subcontractors required for this project.

**NEXT KEY ACTIVITIES**

Start construction.

**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	Y	G	G
Previous	G	G	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
<b>61.72%</b>	28.22%	100%

Delay in schedule were attributed to delays in completion of predecessor scope of work required by Transit America Services Inc. (TASI). Additional delays are not anticipated as the TASI crews are now being committed to the project.

**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	11/04/24	-95	-88
Gate 7 - Start Up/Turnover Complete	09/01/24	12/04/24	-94	-87
Gate 8 - Project Closeout Complete	01/31/25	05/07/25	-96	-89

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%
<b>Subtotals</b>	NA	<b>5,260</b>	<b>-502</b>	<b>4,758</b>	<b>4,758</b>	<b>0</b>	<b>0.0%</b>
Risks (known & unknown)	NA	NA	NA	NA	713		
Contingency	9900	212	502	713	NA	0	0.0%
<b>Grand Totals</b>	<b>NA</b>	<b>5,471</b>	<b>0</b>	<b>5,472</b>	<b>5,472</b>	<b>0</b>	<b>0.0%</b>

(\* ) 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
<b>Totals</b>		<b>4,067</b>	<b>1,405</b>	<b>5,472</b>	<b>5,472</b>	<b>0</b>



**San Mateo Grade Crossing Improvements**

Project No. **100566**

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

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
Coordination with PCEP signal work at the crossings.	Project Manager PCEP is scheduled to perform and complete their pre-revenue testing in 2024 and begin service in September 2024. Work with operational impacts	Monthly meetings with PCEP to coordinate our schedules.	\$ - TBD	Low

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

Issue Title	Responsibility Status	Action	Resolution Date
Delay in construction work.	PM & TASI Delay in schedule were attributed to delays in completion of predecessor scope of work required by TASI.	Additional delays are not anticipated as the TASI crews are now being committed to the project.	11/4/2024

**KEY ACTIVITIES - Current Reporting Quarter**

TASI work on the Grade Crossings has been suspended in the month of June while they are directed to perform work for Caltrain on other projects. Bi-Weekly progress meetings are being held with TASI to understand schedule for remaining work. Stacy and Witbeck, Inc. (SWI) trackwork was completed under single tracking outages weekend of May 31st- June 2nd. CM staff continue to support the project, on an as-needed basis and continue to hold weekly progress meetings with SWI in preparation for remaining construction activities.

**NEXT KEY ACTIVITIES**

TASI will remobilize to complete civil work that is delaying SWI. SWI schedule has been impacted by TASI inability to complete their scope and will require a contract extension.

**PROJECT NOTES**

None.

**PROJECT PHOTOS**



Photo 1 - 4th Ave Crossing.



Photo 2 - 5th Ave









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 	R 

Progress (%)	Change Prev. Qtr.	EAC/Budget
<b>82.58%</b>	18.06%	100%

Funding: August Board approved fund swap from State Rail Assistance Program (SRA) to Transit and Intercity Rail Capital Program (TIRCP) Reimbursed Bond Proceeds. Status light will change to "Green" with next report.

**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	13,663	23,663	23,663	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%
<b>Subtotals</b>	NA	<b>12,840</b>	<b>15,737</b>	<b>28,577</b>	<b>28,577</b>	<b>0</b>	<b>0.0%</b>
Risks (known & unknown)	NA	NA	NA	NA	1,863	<b>0</b>	<b>0.0%</b>
Contingency	9900	1,160	703	1,863	NA		
<b>Grand Totals</b>	<b>NA</b>	<b>14,000</b>	<b>16,441</b>	<b>30,441</b>	<b>30,441</b>	<b>0</b>	<b>0.0%</b>
(*) 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	0
VTA Non CCF Prepaid	Local		109	109	109	0
<b>Totals</b>		<b>19,194</b>	<b>11,248</b>	<b>30,441</b>	<b>24,819</b>	<b>5,622</b>

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

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
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	Status light will change to "Green" with next report.	8/31/2024
	August Board approved fund swap from SRA to TIRCP Reimbursed Bond Proceeds.		

**Broadband Wireless Communications System**

Project No. **100403**

**KEY ACTIVITIES - Current Reporting Quarter**

Completed the trenching and antenna installation in Segments 3 and 4. 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 13 EMU trains have been equipped with the Broadband equipment by Stadler to date. Nomad has validated the Stadler installation for 8 trains and have commissioned 4 trains. Continued construction in Segments 1 and 2. Completed the fiber splicing and connections for all the trackside radios. Conducted a segment test in Segment 3 with a EMU train. The result of the segment test showed that the train roof antenna was mounted in the wrong direction. Corrected the problem and re-ran the segment test and the test results were positive. Nomad conducted the Factory Bench Test except for 3 features. The 3 features will be tested next month.

**NEXT KEY ACTIVITIES**

Complete the factory bench test for system functionalities. Perform the static and dynamic system test. Complete any punch list items from the trackside civil work.

**PROJECT NOTES**

None.

**PROJECT PHOTOS**

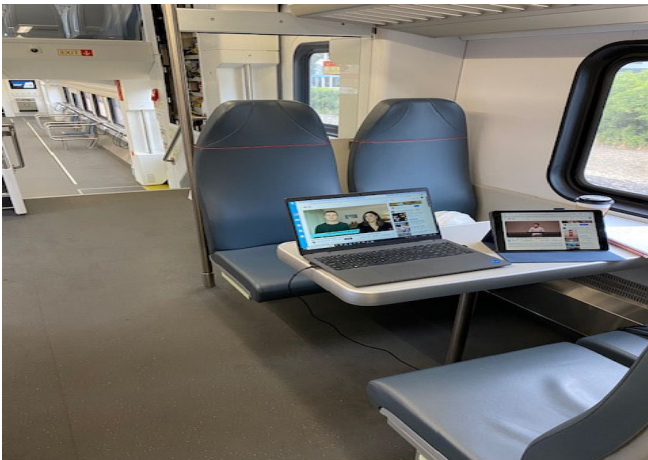


Photo 1 - Wi-Fi testing on the new electric train



Photo 2 - Installing antenna on OCS pole at San Carlos station



Photo 3 - Radio on OCS pole at the train maintenance facility



Photo 4 - Radio box installed on OCS pole at San Carlos station

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
71.42%	21.93%	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)			
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		964	964	964	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		122	122	122	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		
<b>Subtotals</b>	NA	<b>670</b>	<b>1,214</b>	<b>1,884</b>	<b>1,884</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	151	0	0.0%
Unallocated Contingency	9900	30	121	151	NA		
<b>Grand Totals</b>	NA	<b>700</b>	<b>1,334</b>	<b>2,034</b>	<b>2,034</b>	<b>0</b>	<b>0.0%</b>
(*) 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
<b>Totals</b>		<b>700</b>	<b>1,334</b>	<b>2,034</b>	<b>2,034</b>	<b>0</b>



**Migration to Digital Voice Radio System**

Project No. **100432**

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

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

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

Issue Title	Responsibility Status	Action	Resolution Date
Tunnel Antenna Replacement	PM ----- Final integration has dependency on tunnel radio repair.	Operation will use SOGR funds to repair the radio.	12/01/24

**KEY ACTIVITIES - Current Reporting Quarter**

San Jose Yard radio is in service. Drawing WD was issued, kick-off meeting with supplier was held. TASI continue with equipment procurement. Test procedure is developed. One channel at San Francisco is completed. Continued equipment installation and testing on other sites.

**NEXT KEY ACTIVITIES**

Continue equipment installation and site testing.

**PROJECT NOTES**

None.

**PROJECT PHOTOS**

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
38.18%	4.01%	100%

Funding: August Board approved fund swap with TIRCP Reimbursed Bond Proceeds Funds. Status light will change to green with next report.

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 (D)	Variation	
Title	Code	Original	Changes	Current		Amount (E = C-D)	Percentage (F = E/C)
		(A)	(B)	(C = A+B)			
Planning & Engineering	1100	500	-138	362	362	0	0.0%
Environmental	1200			0	0	0	
Real Estate	2100			0	0	0	
Utilities Relocations	2200			0	0	0	
Const./Impl. Contracts	3100	3,000	1,772	4,772	4,772	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	0	
Agency/ODCs	5000		100	100	100	0	0.0%
Project Management	5100	300	30	330	330	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	50		50	50	0	0.0%
Legal	5500	30	-25	5	5	0	0.0%
Information Technology	5600		10	10	10	0	0.0%
Communications/P. Relations	5700	10		10	10	0	0.0%
Human Resources	5800			0	0	0	
Safety/Security & Risk Mgmt.	5900	10	-5	5	5	0	0.0%
Equip./Material Purchases	6100			0	0	0	
CalMod Program	7100			0	0	0	
Oper. Support	8100	100	13	113	113	0	0.0%
<b>Subtotals</b>	NA	<b>4,500</b>	<b>1,774</b>	<b>6,274</b>	<b>6,274</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	526		
Unallocated Contingency	9900	850	-324	526	NA	0	0.0%
<b>Grand Totals</b>	NA	<b>5,350</b>	<b>1,450</b>	<b>6,800</b>	<b>6,800</b>	<b>0</b>	<b>0.0%</b>
(*) 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 (D)	Un-activated Amount (E=C-D)
		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
<b>Totals</b>		<b>500</b>	<b>6,300</b>	<b>6,800</b>	<b>4,400</b>	<b>2,400</b>

**Next Generation Visual Messaging Sign (VMS)**

Project No. **100449**

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

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

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

Issue Title	Responsibility Status	Action	Resolution Date
Delay in Funding Availability	Jin Jiang August Board approved fund swap with TIRCP Reimbursed Bond Proceeds Funds.	Status light will change to green with next report.	08/01/24

**KEY ACTIVITIES - Current Reporting Quarter**

Site Specific Work Plan (SSWP) for Option 1 and Option 2 stations are approved. Bench test for VMS has been completed. VMS replacement at Palo Alto station is completed. Half of the signs from Base stations are replaced.

**NEXT KEY ACTIVITIES**

Complete base stations VMS replacement, and continue on the option 1 and option 2 stations.

**PROJECT NOTES**

None

**PROJECT PHOTOS**

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
44.07%	8.27%	100%

SCOPE Summary

This project is to upgrades/change existing obsolete, leased AT&T analog line to digital circuits connection at 26 locations for the PA. The upgrade will enable the configuration capability for public address and new IP services.

Project Manager: Jin Jiang

Principal Designer: NA

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	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)			
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%
<b>Subtotals</b>	NA	<b>1,250</b>	<b>-161</b>	<b>1,089</b>	<b>1,089</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	125	0	0.0%
Unallocated Contingency	9900	50	75	125	NA		
<b>Grand Totals</b>	NA	<b>1,300</b>	<b>-86</b>	<b>1,214</b>	<b>1,214</b>	<b>0</b>	<b>0.0%</b>
(*) 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)		
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
<b>Totals</b>		<b>1,300</b>	<b>-86</b>	<b>1,214</b>	<b>1,214</b>	<b>0</b>

Communication System SOGR

Project No. 100572

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

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

Key purchased equipment has been delivered. Equipment installation is completed. Testing and troubleshooting is ongoing.

**NEXT KEY ACTIVITIES**

Solve the network issue to pass the network test.

**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	G	G	Y
Previous	G	R	Y	Y

Progress (%)	Change Prev. Qtr.	EAC/Budget
85.00%	10.04%	100%

1. August Board approved addition TIRCP Reimbursed Bond Proceeds Funds to cover supplemental cost pressures. The status light will change to green once the fund is activated.

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	04/20/23	04/20/23	0	0
Unit 925 Conditional Acceptance	11/20/23	11/20/23	0	0
Unit 926 Conditional Acceptance	02/12/24	02/12/24	0	0
Unit 928 Conditional Acceptance	09/09/24	09/09/24	0	0
Unit 923 Conditional Acceptance	11/22/24	11/22/24	0	0
Gate 6 - Substantial Completion	12/15/24	12/15/24	0	0
Gate 7 - Start-Up / Turnover Complete	12/30/24	12/30/24	0	0
Gate 8 - Project Closeout Complete	12/30/25	12/30/25	0	0

MP-36 Locomotive Mid-Life Overhaul

Project No. 100233

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

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100			0		0	
Environmental	1200			0		0	
Real Estate	2100			0		0	
Utilities Relocations	2200			0		0	
Construction ODCs	2300			0		0	
Const./Impl. Contracts	3100	13,942	419	14,360	14,360	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		20	20	20	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			0		0	
Oper. Support	8100			0		0	
<b>Subtotals</b>	NA	<b>13,942</b>	<b>448</b>	<b>14,390</b>	<b>14,390</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	442	0	0.0%
Unallocated Contingency	9900	268	175	442	NA	0	0.0%
<b>Grand Totals</b>	NA	<b>14,210</b>	<b>623</b>	<b>14,833</b>	<b>14,833</b>	<b>0</b>	<b>0.0%</b>

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

Fund Source Title	Type	Board Approved			Activated Funding	Un-activated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
Farebox Revenue for Capital	Local	596		596	596	0
Member Agency Funds--Santra Clara-VTA General Funds	Local	7,500		7,500	7,500	0
FTA Section 5337 (State of Good Repair)	Federal	5,000		5,000	5,000	0
State of Good Repair (STA SGR)	State	1,100		1,100	1,100	0
STA Capital	State	14		14	14	0
<b>Totals</b>		<b>14,210</b>	<b>0</b>	<b>14,210</b>	<b>14,210</b>	<b>0</b>

**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 ----- Resolved	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 ----- Resolved	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 ----- Resolved	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.	06/27/24
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 \$622,888 supplemental funding as part of the FY25 budget amendment. Decision to be made at Executive level for recently available funding and which projects will receive funding. This Funding will be requested at August board.	09/01/24
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.	08/01/24

**KEY ACTIVITIES - Current Reporting Quarter**

Installed Main engine, HEP engine, HEP hatch, air equipment, and started testing the main engine, generator, and HEP engine of for locomotive 928. 923 hatch have been blasted and primed, and rust repairs were near completion.

**NEXT KEY ACTIVITIES**

Complete exterior painting and remaining tests of Locomotive 928 and prepare it for shipment.

**PROJECT NOTES**

The schedule and budget were re-baselined based on Management Committee approval of an updated Work Plan in June 2024.

MP-36 Locomotive Mid-Life Overhaul

Project No. 100233

PROJECT PHOTOS



Photo 1 - Locomotive 928 ready for shipment.



Photo 2 - Locomotive 925 in service.



Photo 3 - Locomotive 926 in service.



Photo 4 - Locomotive 924 in service.

CCF BCCF Virtualization

Project No. 100430

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

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

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

Progress (%)	Change Prev. Qtr.	EAC/Budget
93.87%	1%	100%

**SCOPE Summary**

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

The major benefits for this project:

- Improves hardware consolidation and hardware utilization
- Faster provisioning of applications and resources
- Improves backup and data protection
- Improves uptime
- Increased Security
- 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	08/31/24	08/31/24	0	0
Gate 7 – Start-up/Turnover	10/31/24	10/31/24	0	0
Gate 8 – Closeout	10/31/24	10/31/24	0	0

CCF BCCF Virtualization

Project No. 100430

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

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100	88		88	88	0	0.0%
Environmental	1200			0	0	0	
Real Estate	2100			0	0	0	
Utilities Relocations	2200			0	0	0	
Construction ODCs	2300			0	0	0	
Const./Impl. Contracts	3100	1,324		1,324	1,324	0	0.0%
Construction Management	4100			0	0	0	
Design Support During Const.	4200			0	0	0	
Testing & Commissioning	4300			0	0	0	
Agency/ODCs	5000	193	363	555	555	0	0.0%
Project Management	5100	365	583	948	948	0	0.0%
Project & Document Control	5200	30	61	91	91	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	0	
<b>Subtotals</b>	NA	<b>2,000</b>	<b>1,007</b>	<b>3,007</b>	<b>3,007</b>	<b>0</b>	0.0%
Unknown Risks	NA	NA	NA	NA	193	<b>0</b>	0.0%
Unallocated Contingency	9900		193	193	NA		
<b>Grand Totals</b>	NA	<b>2,000</b>	<b>1,200</b>	<b>3,200</b>	<b>3,200</b>	<b>0</b>	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	-
<b>Totals</b>		<b>2,000</b>	<b>1,200</b>	<b>3,200</b>	<b>3,200</b>	<b>0</b>

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

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
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. Resolved	Management Committee approved schedule re-baseline.	6/27/2024

**KEY ACTIVITIES - Current Reporting Quarter**

Stretched Virtual Local Area Network (Vlans) Cut-over planning-continued. Multicast is the key for the cut over. Currently testing different options for the Multicast routing to support Rail Operations Control System (ROCS). Active Directory (AD) migration completed.

**NEXT KEY ACTIVITIES**

Continue with the Network/Stretched VLAN cut-over prep work.

**PROJECT NOTES**

1) Project schedule was re-baselined based on Management Committee approval of an updated Work Plan in June 2024.

**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
35.21%	19.78%	100%

Additional funding is required to be activated to cover construction phase of the project. \$3.77M in Local Partnership Competitive Program (LPP) funds still need to be received and activated. Grants staff are working on the Program Supplement with Caltrans. Requested Pre-approval Spending Authority (PASA) be initiated to pay current and future invoices until LPP funds can be activated.

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
Solicitation For Construction Contract	08/21/23	08/21/23	0	0
Award of Construction Contract	12/07/23	12/07/23	0	0
NTP- Construction Contract	03/01/24	03/13/24	-12	0
Gate 6 - Substantial Completion	02/28/25	02/28/25	0	0
Gate 7 - Start-Up / Turnover Complete	05/31/25	05/31/25	0	0
Gate 8 - Project Closeout Complete	08/31/25	08/31/25	0	0



San Mateo Replacement Parking Track

Project No. 100676

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

Type of Work		Budget			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C=A+B)	(D)	(E=C-D)	(F=E/C)
Planning & Engineering	1100	550	190	740	740	0	0.0%
Environmental	1200	50	51	101	101	0	0.0%
Real Estate	2100	10	-10	0	0	0	
Utilities Relocations	2200	207	-107	100	100	0	0.0%
Construction ODCs	2300	0	0		0		
Const./Impl. Contracts	3100	6,042	-164	5,878	5,878	0	0.0%
Construction Management	4100	676	-176	500	500	0	0.0%
Design Support During Const.	4200	134	166	300	300	0	0.0%
Testing & Commissioning	4300	0	20	20	20	0	0.0%
Agency/ODCs	5000	20	287	307	307	0	0.0%
Project Management	5100	327	38	365	365	0	0.0%
Project & Document Control	5200	70	36	106	106	0	0.0%
Finance/Accounting	5300	35	-9	26	26	0	0.0%
Contracts & Procurement	5400	80	-43	37	37	0	0.0%
Legal	5500	35	-24	11	11	0	0.0%
Information Technology	5600	0	0	0	0	0	
Communications/P. Relations	5700	30	-15	15	15	0	0.0%
Human Resources	5800	0	0	0	0	0	
Safety/Security & Risk Mgmt.	5900	10	0	10	10	0	0.0%
Equip./Material Purchases	6100	80	-80	0	0	0	
CalMod Program	7100	10	-10	0	0	0	
Oper. Support	8100	65	435	500	500	0	0.0%
Undefined and others		0	0		0		
<b>Subtotals</b>	NA	<b>8,431</b>	<b>587</b>	<b>9,018</b>	<b>9,018</b>	<b>0</b>	<b>0.0%</b>
Risks (known & unknown)	NA	NA	NA	NA	1,111	0	0.0%
Contingency	9900	1,579	-468	1,111	NA		
<b>Grand Totals</b>	NA	<b>10,010</b>	<b>118</b>	<b>10,128</b>	<b>10,128</b>	<b>0</b>	<b>0.0%</b>

(\*) 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	1,500	3,190	3,190	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
<b>Totals</b>		<b>8,628</b>	<b>1,500</b>	<b>10,128</b>	<b>6,355</b>	<b>3,773</b>

**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 ----- Resolved	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 Statement of Work (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	\$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.	9/1/2024

**KEY ACTIVITIES - Current Reporting Quarter**

Construction contractor Continues with Construction Activities. 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) until PS is executed and funds are activated.

**NEXT KEY ACTIVITIES**

Budgets team will activate \$3.77 under PASA in July and will continue to work with Caltrans to execute program supplement agreement for LPP funds. Construction contractor will continue sound wall construction and grading will begin for setout track.









**PROJECT NOTES**

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 	R 

Progress (%)	Change Prev. Qtr.	EAC / Budget
<b>27.18%</b>	5.29%	100%

Funding: August Board approved addition Transit and Intercity Rail Capital Program (TIRCP) Reimbursed Bond Proceeds Funds to execute option for south Santa Clara County station and cover supplemental cost pressures. Status light will change to "Green" with next report.

**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	02/20/24	02/20/24	0	0
Gate 6 - Substantial Completion	07/19/25	07/19/25	0	0
Gate 7 - Start-Up / Turnover Complete	09/17/25	09/17/25	0	0
Gate 8 - Project Closeout Complete	11/16/25	11/16/25	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	2,665	3,665	3,665	0	0.0%
Construction Management	4100	100	884	984	984	0	0.0%
Design Support During Const.	4200	50	80	130	130	0	0.0%
Testing & Commissioning	4300	0	0	0	0	0	
Agency/ODCs	5000	0	93	93	93	0	0.0%
Project Management	5100	80	482	562	562	0	0.0%
Project & Document Control	5200	30	37	67	67	0	0.0%
Finance/Accounting	5300	16	-16	0	0	0	
Contracts & Procurement	5400	48	-33	15	15	0	0.0%
Legal	5500	15	0	15	15	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%
Undefined and others			75	75	75	0	0.0%
<b>Subtotals</b>	NA	<b>1,603</b>	<b>4,323</b>	<b>5,926</b>	<b>5,926</b>	<b>0</b>	<b>0.0%</b>
Risks (known & unknown)	NA	NA	NA	NA	767	0	0.0%
Contingency	9900	1,491	-724	767	NA		
<b>Grand Totals</b>	<b>NA</b>	<b>3,094</b>	<b>3,599</b>	<b>6,693</b>	<b>6,693</b>	<b>0</b>	<b>0.0%</b>
(*) ICAP already included in totals above		124	144	268	268	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	Local	881		881	0	881
Local Partnership Program - Formulaic	Local	881		881	0	881
SMCTA (25th Ave)	Local		75	75	75	0
TIRCP	Other		2,432	2,432	0	2,432
<b>Totals</b>		<b>4,186</b>	<b>2,507</b>	<b>6,693</b>	<b>2,499</b>	<b>4,194</b>

**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
UPRR Review	PM ----- On-going	Modified design to obtain UPRR Approval.	\$ 50	Med

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

Issue Title	Responsibility Status	Action	Resolution Date
Delay in availability of remaining funds.	PM ----- August Board approved addition TIRCP Reimbursed Bond Proceeds Funds to execute option for south Santa Clara County station and cover supplemental cost pressures.	Status light will change to "Green" with next report.	8/31/2024

**KEY ACTIVITIES - Current Reporting Quarter**

Exercised Option 1 for Platforms on Gilroy extension. Began field measurements and reviewing submittals. Submit shop drawings for platforms and hand rails.

**NEXT KEY ACTIVITIES**

Complete pre-coordination with UPRR to line up flagging. Begin pre-casting the platforms.

**PROJECT NOTES**

Project was re-baselined based on Management Committee approval of an updated Work Plan in April 2024.

**PROJECT PHOTOS**

To be updated.

**DESIGN**  
**Grade Separations**

South Linden Avenue and Scott Street Grade Separation

Project No. 002152

Table 1. Status Summary and Total Project Performance

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

Project Phase: 3 - Development (35%)

Progress (%)	Change Prev. Qtr.	EAC/Budget
0.9%	0.04%	100%

SCOPE Summary

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

Project Manager: John Valsecchi  
 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)
c	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
Service Agreement: Final Design/Pre-Construction	01/01/25	01/01/25	0	0
Environmental Clearance Complete	06/18/25	06/18/25	0	0
Execute Optional Services Final Design	06/01/25	06/01/25	0	0
Project Delivery Method RFP [DBB, PDB, CMGC]	06/01/25	06/01/25	0	0
Gate 3 - 35% Development Complete	05/31/25	05/31/25	0	0
Gate 4 - 65% Development Complete	12/31/25	12/31/25	0	0
Gate 5 - 100% Development Complete/IFB	04/30/27	04/30/27	0	0
Solicitation for Construction Contract	10/01/27	10/01/27	0	0
ROW Permits Complete	03/31/28	03/31/28	0	0
Award of Construction Contract	04/30/28	04/30/28	0	0
NTP - Construction Contract	05/01/28	05/01/28	0	0
Gate - 6 Substantial Completion	06/30/31	06/30/31	0	0
Gate - 7 Start-up/Turnover Complete	10/31/31	10/31/31	0	0
Gate - 8 Project Closeout Complete	01/31/32	01/31/32	0	0

South Linden Avenue and Scott Street Grade Separation

Project No. 002152

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

Type of Work		Budget			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C=A+B)	(D)	(E=C-D)	(F=E/C)
Planning & Engineering	1100	15,976	-3,018	12,958	12,958	0	0.0%
Environmental	1200	2,288	-1,298	990	990	0	0.0%
Real Estate	2100	8,216	0	8,216	8,216	0	0.0%
Utilities Relocations	2200	7,904	0	7,904	7,904	0	0.0%
Const./Impl. Contracts	3100	230,880	0	230,880	230,880	0	0.0%
Construction Management	4100	6,240	-0	6,240	6,240	0	0.0%
Design Support During Const.	4200	1,300	0	1,300	1,300	0	0.0%
Testing & Commissioning	4300	1,300	0	1,300	1,300	0	0.0%
Agency/ODCs	5000	78	1,228	1,306	1,306	0	0.0%
Project Management	5100	1,508	-413	1,095	1,095	0	0.0%
Project & Document Control	5200	468	147	615	615	0	0.0%
Finance/Accounting	5300	135	6	142	142	0	0.0%
Contracts & Procurement	5400	187	18	205	205	0	0.0%
Legal	5500	62	89	152	152	0	0.0%
Information Technology	5600	0	40	40	40	0	0.0%
Communications/P. Relations	5700	62	5	67	67	0	0.0%
Human Resources	5800	0	0	0	0	0	
Safety/Security & Risk Mgmt.	5900	104	34	138	138	0	0.0%
Equip./Material Purchases	6100	0	0	0	0	0	
CalMod Program	7100	177	0	177	177	0	0.0%
Oper. Support	8100	749	-0	749	749	0	0.0%
<b>Subtotals</b>	NA	<b>277,635</b>	<b>-3,163</b>	<b>274,473</b>	<b>274,473</b>	<b>0</b>	<b>0.0%</b>
Risks (known & unknown)	NA	NA	NA	NA	30,887	0	0.0%
Contingency	9900	27,725	3,163	30,887	NA		
<b>Grand Totals</b>	NA	<b>305,360</b>	<b>-0</b>	<b>305,360</b>	<b>305,360</b>	<b>0</b>	<b>0.0%</b>
(*) ICAP already included in totals above		11,745	-0	11,745	11,745	0	0.0%

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

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

Fund Source 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	129	189	189	0
City of South San Francisco	Local	100	307	407	407	0
Member Agency Funds - SMCTD (San Mateo County Transit District)	Local	85		85	85	0
Externally Funded	Local	0	6,529	6,529	0	6,529
<b>Totals*</b>		<b>895</b>	<b>11,915</b>	<b>12,810</b>	<b>6,281</b>	<b>6,529</b>

\*Excludes \$114K that 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
Funding and schedule	City and TA ----- Cities	Schedule update (including risk and costs) are underway. Estimated completion 60 to 90 days. Ongoing meeting with Cities		

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

Issue Title	Responsibility Status	Action	Resolution Date
Delay in advancing Preliminary design	JPB & External Stakeholders ----- Awaiting decision from the Cities, JPB and key stakeholders	Met with Cities managers on how to move forward with the VE proposal. Awaiting a response. Start to introduce procurement strategy discussion and funding strategy planning	8/31/2024
Close coordination with Southline Development required	JPB & External Stakeholders ----- Project working on VE Phase to determine the extents of impacts at the development.	Reached out to Southline. Technical meetings need to occur to evaluate full impact. No impediments at this time. Meeting progressing.	9/31/2025
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.	Wait for Cities staff acceptance of current design meeting before coordinate closely with UPRR/Granite Rock Project.	9/31/2025
Alternative Delivery Method activity not captured in the current MOU with the Cities	JPB & External Stakeholders ----- Discussing with the Cities and preparing process to be used for evaluation.	JPB to discuss Alternative Delivery Method activity with the Cities.	TBD
PMO resources	Caltrain Capital / Engineering ----- Resolved.	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. Had meeting with both Cities. Prepared next step to support cities to reach decision, expect to have meeting with Cities key departments to present VE method. 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**

**PROJECT PHOTOS**

None.

**Broadway Burlingame Grade Separation**

Project No. **100244**

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

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

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

Progress (%)	Change Prev. Qtr.	EAC/Budget
<b>6.0%</b>	<b>-0.16%</b>	108%

**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: Mike Boomsma  
 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)	03/08/24	03/08/24	0	0
Award Early Work Contract	01/02/25	01/02/25	0	0
Complete Early Work Design	02/12/25	02/12/25	0	0
NTP - Early Work	02/12/25	02/12/25	0	0
Environmental Clearance Complete	03/20/25	03/20/25	0	0
TCP for CMGC	04/03/25	04/03/25	0	0
Gate 5 - 100% Development Complete / IFB	08/08/25	08/08/25	0	0
Award of Construction Contract	05/07/26	05/07/26	0	0
NTP - Construction Contract	08/24/26	08/24/26	0	0
ROW Permits Complete	08/22/26	08/22/26	0	0
Gate 6 - Substantial Completion	02/01/29	02/01/29	0	0
Gate 7 - Start-Up/Turnover Complete	05/22/29	05/22/29	0	0
Gate 8 - Project Closeout Complete	11/06/29	11/06/29	0	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	24,482	30,931	30,931	0	0.0%
Utilities Relocations	2200	6,243	-227	6,016	6,016	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	46	109	109	0	0.0%
Legal	5500	54	1	55	55	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	624	714	714	0	0.0%
<b>Subtotals</b>	NA	<b>287,740</b>	<b>25,185</b>	<b>312,925</b>	<b>312,925</b>	<b>0</b>	<b>0.0%</b>
Risks (known & unknown)	NA	NA	NA	NA	28,663	<b>0</b>	<b>0.0%</b>
Contingency	9900	28,663		28,663	NA		
<b>Grand Totals</b>	NA	<b>316,403</b>	<b>25,185</b>	<b>341,588</b>	<b>341,588</b>	<b>0</b>	<b>0.0%</b>
(*) ICAP already included in totals above		12,169	969	13,138	13,138	0	0.0%

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

**Broadway Burlingame Grade Separation**

Project No. **100244**

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

Fund Source Title	Type	Board Approved			Activated Funding (D)	Un-activated Amount (E=C-D)
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
SMCTA (Project Specific)	Local	4,550	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
<b>Totals</b>		<b>31,685</b>	<b>20,338</b>	<b>52,023</b>	<b>23,888</b>	<b>28,135</b>

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

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
Section 404 Individual Permit	<p>JPB</p> <hr/> <p>Performing work in and around creeks requires a Section 404 Individual Permit from the U.S. Army Corps of Engineers (USACE). Since this permit could require additional consultations and is not entirely within the JPB's control, the timing of the permit is a risk to the project schedule.</p>	JPB staff has prepared a draft Habitat Mitigation and Monitoring Plan (HMMP), vetted that HMMP with the project designer and CMGC contractor, and is preparing to submit the HMMP to the USACE to initiate processing of the Section 404 Individual Permit.	\$ 4,000	High

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

Issue Title	Responsibility Status	Action	Resolution Date
Right-of-Way Acquisition is Driving the Project Schedule	<p>City, TA, JPB</p> <hr/> <p>Right-of-way acquisition is forecasted to impact the project schedule and budget, as reflected in both red status lights. Funding must be allocated for right-of-way acquisition prior to commencing critical path property acquisition activities. This issue is currently impacting the construction schedule day-for-day, and may further impact the schedule due to seasonal constraints.</p>	The City of Burlingame, San Mateo County Transportation Authority (TA) and JPB are discussing ways to allocate funding for right-of-way acquisition. Concurrently, the CMGC Contractor, Flatiron-Herzog Joint Venture, and the broader project team are evaluating construction solutions to optimize the schedule despite lack of access to certain properties.	7/21/2024

**Broadway Burlingame Grade Separation**

Project No. **100244**

**KEY ACTIVITIES - Current Reporting Quarter**

Executed CMGC pre-construction services contract and a Work Directive for independent cost estimating services. JPB, City of Burlingame and San Mateo County Transportation Authority (SMCTA) established focused, discipline-specific task force meetings to accelerate technical design decisions and incorporate elements of a Construction Recommendations Report from the recently onboarded CMGC contractor, Flatiron-Herzog Joint Venture. The project team also worked through multiple iterations of construction schedules to minimize the impact of right-of-way acquisitions on the overall project completion date. JPB met with the City of Burlingame to coordinate environmental mitigation areas, coordinated with the City of Burlingame and San Mateo County Transportation Authority (TA) to initiate the allocation of funding for right-of-way acquisitions and utility relocations.

**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. Execute amendment to Memorandum of Understanding (MOU) to receive \$2.5M for CMGC pre-construction work.

**PROJECT NOTES**

1. Milestone schedule and budget were re-baselined based on Management Committee approval of an updated Work Plan in June 2024.

**PROJECT PHOTOS**

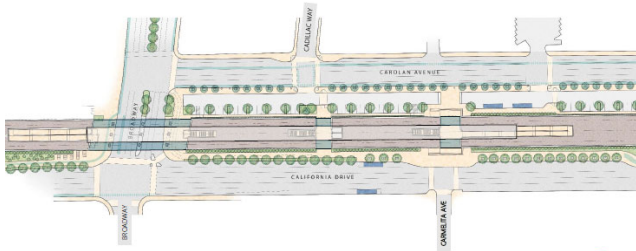


Photo 1 - Station Layout with Landscaping (rendering)



Photo 3 - Proposed Broadway/California Drive (rendering)



Photo 3 - Proposed Cadillac Way Entrance (rendering)



Photo 4 - Proposed Carmelita Avenue Entrance (rendering)

**Rengstorff Grade Separation**

Project No. **100482**

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

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

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

Progress (%)	Change Prev. Qtr.	EAC/Budget
<b>1.46%</b>	0.09%	100%

**SCOPE Summary**

The project proposes to replace the existing at-grade train crossing at Rengstorff Avenue with a grade separated crossing in the City of Mountain View. In 2014, the City of Mountain View completed a Rengstorff Avenue Grade Separation Design Concepts – Final Report. Of the three design concepts that were presented in the Final Report, the City was in favor of the Complete Street Concept which includes a Rengstorff Avenue Underpass and the construction of a new elevated pedestrian walkway parallel to the Caltrain tracks connecting Crisanto Avenue to the commercial area east of Rengstorff Avenue. The grade separation will require the lowering of approximately 1,200 feet of Rengstorff Avenue and connecting roadways, including Central Expressway.

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

**Table 2. SAFETY INCIDENTS**

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

**Table 3. MILESTONE SCHEDULE**

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Δ Prev Quarter
	(A)	(B)	(C=A-B)	(D)
Gate 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	03/30/26	03/30/26	0	0
Award of Construction Contract	04/02/26	04/02/26	0	0
NTP - Construction Contract	05/03/26	05/03/26	0	0
Gate 6 – Substantial Completion	03/30/28	03/30/28	0	0
Gate 7 – Start-up/Turnover	06/30/28	06/30/28	0	0
Gate 8 – Closeout	09/30/28	09/30/28	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%
<b>Subtotals</b>	NA	<b>268,209</b>	<b>16,791</b>	<b>285,000</b>	<b>285,000</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	40,000		
Unallocated Contingency	9900	14,000	26,000	40,000	NA	0	0.0%
<b>Grand Totals</b>	NA	<b>282,209</b>	<b>42,791</b>	<b>325,000</b>	<b>325,000</b>	<b>0</b>	<b>0.0%</b>

(*) ICAP already included in totals above	7,579		7,579	7,579	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.

**Rengstorff Grade Separation**

Project No. **100482**

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

Fund Source Title	Type	Board Approved			Activated Funding	Un-activated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
City of 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
<b>Totals</b>		<b>3,500</b>	<b>18,500</b>	<b>22,000</b>	<b>22,000</b>	<b>0</b>

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

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

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

Issue Title	Responsibility Status	Action	Resolution Date
Minor delay to design schedule.	Arul Edwin ----- Resolved	Final Design is under progress.	06/27/24

**KEY ACTIVITIES - Current Reporting Quarter**

The final design started and currently working towards the 65% Plans, Specifications, and Estimates (PS&E). Construction Manager General Contractor (CMGC) services procurement is underway.

**NEXT KEY ACTIVITIES**

A pre-construction contract is proposed to be awarded to a CMGC on August 1, 2024, during the JPB Board meeting.



**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 was re-baselined at June 2024 Management Committee meeting.

**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
<b>6.45%</b>	0.00%	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. As of June 18, 2024 Design Contractor received official Temporary Suspension of Work (TSW) Letter. As of June 25, 2024 Construction Manager/General Contractor (CMGC) also received the TSW letter for this Project. City is attempting to utilize their design Consultant to provide 35% plans for the Interim Work that closes the crossing.

**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: Michael Albanese  
 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
Gate 5 - 100% Development Complete/IFB	06/30/24	04/30/25	-304	0
Award of Construction Contract	06/01/24	04/03/25	-306	0
NTP - Construction Contract	07/01/24	05/26/25	-329	0
Environment Clearance Complete	08/01/24	06/18/25	-321	0
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	12,076	-18	-0.1%
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	1,536	-1,276	-490.6%
Project Management	5100	2,219		2,219	2,310	-90	-4.1%
Project & Document Control	5200	495		495	287	208	42.0%
Finance/Accounting	5300	495		495	115	380	76.8%
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	27	88	76.8%
Equip./Material Purchases	6100	0		0		0	
CalMod Program	7100	166		166	39	128	76.8%
Oper. Support	8100	1,525		1,525	2,585	-1,061	-69.6%
<b>Subtotals</b>	NA	<b>143,289</b>	<b>0</b>	<b>143,289</b>	<b>121,706</b>	<b>21,583</b>	<b>15.1%</b>
Risks (known & unknown)	NA	NA	NA	NA	12,333	<b>14,794</b>	54.5%
Contingency	9900	27,128		27,128	NA		
<b>Grand Totals</b>	NA	<b>170,417</b>	<b>0</b>	<b>170,417</b>	<b>134,039</b>	<b>36,377</b>	<b>21.3%</b>

(\*) ICAP already included in totals above 6,554 0 6,554 5,155 1,399 21.3%

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	7,000	17,000	17,000	0
Externally Funded	Local	107,000	-7,000	100,000	0	100,000
<b>Totals</b>		<b>117,000</b>	<b>0</b>	<b>117,000</b>	<b>17,000</b>	<b>100,000</b>

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

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
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	Due to short of funding, City of MV decision to prioritize Rengstorff project, C &M Agreement does not need for a while.	12/31/24
	Agreement is required for future maintenance and operations for this project after construction.		
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 both grade separation projects: Rengstorff or Castro. As of June 18, 2024 HNTB received official Temporary Suspension of Work (TSW) Letter. As of June 25, 2024 SWM also received the TSW letter for this Project. City is attempting to utilize their design Consultant to provide 35% plans for the Interim Work that closes the crossing.	TBD
	In January 2024, City Council approved to prioritize Rengstorff Grade Separation over Castro Grade Separation.		

**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). Design and Construction Manager/General Contractor have extended contracts and have received Temporary Suspension of Work. Working with city to identify level of effort required by HNTB and Caltrain for invoicing and maintaining project through DP2.

**NEXT KEY ACTIVITIES**

The project is temporarily suspended at the request of the City of Mountain View.

**PROJECT NOTES**

PROJECT PHOTOS



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



Photo 2- Project rendering of overall project



Photo 3 - Project rendering of undercrossing



Photo 4 - Project rendering of pedestrian flow via undercrossing

Middle Avenue Undercrossing

Project No. 100703

Table 1. Status Summary and Total Project Performance

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

Project Phase: 4 - Development (65%)

Progress (%)	Change Prev. Qtr.	EAC/Budget
0.2%	0.00%	100%

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: 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	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	06/27/24	06/27/24	0	0
Publish Solicitation for Final Design	08/01/24	08/01/24	0	0
Publish Solicitation for CMGC	08/07/24	08/07/24	0	0
Award of Final Design Contract	10/02/24	10/02/24	0	0
LNTF for Final Design	10/02/24	10/02/24	0	0
Award of CMGC Contract for Pre-construction	11/08/24	11/08/24	0	0
Environmental Clearance Complete	03/03/25	03/03/25	0	0
NTP - Final Design Contract	03/04/25	03/04/25	0	0
Gate 4 - 65% Development Complete	11/03/25	11/03/25	0	0
ROW Permits Complete	03/12/26	03/12/26	0	0
Gate 5 - 100% Development/IFB Complete	08/21/26	08/21/26	0	0
TCP for CMGC	08/22/26	08/22/26	0	0
Award of Construction Contract	09/03/26	09/03/26	0	0
NTP - Construction Contract	10/05/26	10/05/26	0	0
Gate 6 - Substantial Completion	03/31/28	03/31/28	0	0
Gate 7 - Start-Up / Turnover Complete	06/30/28	06/30/28	0	0
Gate 8 - Project Closeout Complete	09/30/28	09/30/28	0	0

Middle Avenue Undercrossing

Project No. 100703

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

Type of Work		Budget			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current	(D)	Amount	Percentage
		(A)	(B)	(C=A+B)		(E=C-D)	(F=E/C)
Planning & Engineering	1100	998	3,889	4,888	4,888	0	0.0%
Environmental	1200	215	-50	165	165	0	0.0%
Real Estate	2100	4,093	-4,093	0	0	0	
Utilities Relocations	2200	6,090	9,114	15,205	15,205	0	0.0%
Utilities Relocations	2300	0	0	0	0	0	
Const./ImPLY. Contracts	3100	9,135	9,443	18,578	18,578	0	0.0%
Construction Management	4100	1,198	3,063	4,261	4,261	0	0.0%
Design Support During Const.	4200	599	-599	0	0	0	
Testing & Commissioning	4300	998	-998	0	0	0	
Agency/ODCs	5000	1	445	446	446	0	0.0%
Project Management	5100	1,250	1,420	2,671	2,671	0	0.0%
Project & Document Control	5200	68	616	684	684	0	0.0%
Finance/Accounting	5300	210	-150	60	60	0	0.0%
Contracts & Procurement	5400	25	259	284	284	0	0.0%
Legal	5500	37	18	55	55	0	0.0%
Information Technology	5600	0	0	0	0	0	
Communications/P. Relations	5700	30	272	302	302	0	0.0%
Human Resources	5800	0	55	55	55	0	0.0%
Safety/Security & Risk Mgmt.	5900	36	627	663	663	0	0.0%
Equip./Material Purchases	6100	0	0	0	0	0	
Cal MoD Program	7100	399	-399	0	0	0	
Opera. Support	8100	2,995	-884	2,111	2,111	0	0.0%
Undefined and others	0000	0	683	683	683	0	0.0%
<b>Subtotals</b>	NA	<b>28,380</b>	<b>22,730</b>	<b>51,110</b>	<b>51,110</b>	<b>0</b>	<b>0.0%</b>
Risks (known & unknown)	NA	NA	NA	NA	22,029	0	0.0%
Contingency	9900	2,145	19,883	22,029	NA		
<b>Grand Totals</b>	NA	<b>30,525</b>	<b>42,614</b>	<b>73,139</b>	<b>73,139</b>	<b>0</b>	<b>0.0%</b>
(*) ICAP already included in totals above		1,174	1,639	2,813	2,813	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)		
FY23 City of Menlo Park SA # 2	Local	572	0	572	572	0
City of Menlo Park	Local	0	2,000	2,000	0	2,000
<b>Totals</b>		<b>572</b>	<b>2,000</b>	<b>2,572</b>	<b>572</b>	<b>2,000</b>

Middle Avenue Undercrossing

Project No. 100703

**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
Higher Costs	City of Menlo Park/Project Manager/Engineering/Capital Delivery Additional alternatives analysis and price escalation are factors contributing to higher costs.	City has provided an updated cost estimate and Caltrain has reviewed. Caltrain will work with City to explore cost effective solutions.	TBD
Redesign delayed project schedule	City of Menlo Park/Project Manager/Engineering/Capital Delivery Resolved.	Milestone schedule and budget were re-baselined based on Management Committee approval of an updated Work Plan in June 2024.	6/27/2024

**KEY ACTIVITIES - Current Reporting Quarter**

The City of Menlo Park Council approved \$2.0 million to advance the project towards final design by completing the necessary tasks such as National Environmental Policy Act (NEPA)/California Environmental Quality Act (CEQA) clearance so that the project will be ready for final design.

**NEXT KEY ACTIVITIES**

Initiate environmental (NEPA/CEQA) review and prepare advanced preliminary engineering enabling tasks for final design. Issue a Request for Proposal (RFP) for the Construction manager/General Contractor services procurement.

**PROJECT NOTES**

Milestone schedule and budget were re-baselined based on Management Committee (MC) approval of an updated Work Plan in June 2024. MC also approved initiation of Final Design phase.

**PROJECT PHOTOS**

None.



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	
<b>Subtotals</b>	NA	<b>42</b>	<b>0</b>	<b>42</b>	<b>42</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	11	0	0.0%
Unallocated Contingency	9900	11		11	NA		
<b>Grand Totals</b>	NA	<b>53</b>	<b>0</b>	<b>53</b>	<b>53</b>	<b>0</b>	<b>0.0%</b>
(*) ICAP already included in totals above		2		2	2	0	

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

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

San Francisquito Creek Bridge Acoustic Monitoring System

Project No. 100759

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

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

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.	TBD
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.	TBD

**KEY ACTIVITIES - Current Reporting Quarter**

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

**NEXT KEY ACTIVITIES**

TBD.

**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: 6 – Construction/Implementation

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

Progress (%)	Change Prev. Qtr.	EAC/Budget
31.30%	11.85%	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: Caltrain  
 Const. Contractor: Wabtec, Trapeze & 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	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	11/20/23	11/20/23	0	0
Gate 6 - Substantial Completion	06/30/24	07/29/24	-29	-29
Gate 7 - Start-Up / Turnover Complete	07/31/24	08/28/24	-28	-28
Gate 8 - Project Closeout Complete	11/03/24	11/03/24	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	-333	67	67	0	0.0%
Environmental	1200			0	0	0	
Real Estate	2100			0	0	0	
Utilities Relocations	2200			0	0	0	
Const./Impl. Contracts	3100	6,000	-5,400	600	600	0	0.0%
Construction Management	4100		200	200	200	0	0.0%
Design Support During Const.	4200			0	0	0	
Testing & Commissioning	4300	168	-168	0	0	0	
Agency/ODCs	5000		350	350	350	0	0.0%
Project Management	5100	550	-194	356	356	0	0.0%
Project & Document Control	5200	105	-28	77	77	0	0.0%
Finance/Accounting	5300	75	-75	0	0	0	
Contracts & Procurement	5400	75	-53	23	23	0	0.0%
Legal	5500	30	-12	18	18	0	0.0%
Information Technology	5600	40	-25	15	15	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	140	-80	60	60	0	0.0%
<b>Subtotals</b>	NA	<b>7,583</b>	<b>-5,818</b>	<b>1,765</b>	<b>1,765</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	335	0	0.0%
Unallocated Contingency	9900	600	-265	335	NA		
<b>Grand Totals</b>	NA	<b>8,183</b>	<b>-6,083</b>	<b>2,100</b>	<b>2,100</b>	<b>0</b>	<b>0.0%</b>
(*) 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
<b>Totals</b>		<b>2,100</b>	<b>0</b>	<b>2,100</b>	<b>2,100</b>	<b>0</b>

**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. Resolved.	Include in the new PADS RFP that the new system must interface with the existing VMS signs.	-----	Low

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

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

**KEY ACTIVITIES - Current Reporting Quarter**

Server upgrade lab test is completed. Locomotive installation approval is in progress. EMU integration is in progress for GPS related file update on EMU. Work directive proposal request (WDPR) for getting consultant on technical requirement preparation is issued.

**NEXT KEY ACTIVITIES**

Complete locomotive ranger update. Complete EMU GPS file update to communicate with PADS. Issue WDPR.

**PROJECT NOTES**

None

**PROJECT PHOTOS**

None.



**DESIGN**  
Miscellaneous

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	NA	NA	NA	NA
Previous	NA	NA	NA	NA

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

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, Overhead Contact System (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	06/30/25	06/30/25	0	0
Environmental Clearance Complete	06/30/25	06/30/25	0	0
Publish Solicitation for CMGC	02/27/26	02/27/26	0	0
NTP - CMGC Contract	08/27/26	08/27/26	0	0
Gate 4 - 65% Development Complete	07/30/27	07/30/27	0	0
ROW Permits Complete	02/28/28	02/28/28	0	0
Gate 5 - 100% Development/IFB Complete	04/28/28	04/28/28	0	0
Award of Construction Contract	08/28/28	08/28/28	0	0
NTP - Construction Contract	09/28/28	09/28/28	0	0
Gate 6 - Substantial Completion	11/03/31	11/03/31	0	0
Gate 7 - Start-Up / Turnover Complete	01/01/32	01/01/32	0	0
Gate 8 - Project Closeout Complete	05/01/32	05/01/32	0	0

4th & King Yard Preparation (4KY)

Project No. 100785

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

Type of Work		Budget			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100	600		600	600	0	0.0%
Environmental	1200	450		450	450	0	0.0%
Real Estate	2100	300		300	300	0	0.0%
Utilities Relocations	2200	500		500	500	0	0.0%
Construction ODCs	2300	0			0		
Const./Impl. Contracts	3100	50,000		50,000	50,000	0	0.0%
Construction Management	4100	5,900		5,900	5,900	0	0.0%
Design Support During Const.	4200	1,000		1,000	1,000	0	0.0%
Testing & Commissioning	4300	500		500	500	0	0.0%
Agency/ODCs	5000	240		240	240	0	0.0%
Project Management	5100	5,700		5,700	5,700	0	0.0%
Project & Document Control	5200	1,350		1,350	1,350	0	0.0%
Finance/Accounting	5300	0		0	0	0	
Contracts & Procurement	5400	550		550	550	0	0.0%
Legal	5500	200		200	200	0	0.0%
Information Technology	5600	30		30	30	0	0.0%
Communications/P. Relations	5700	600		600	600	0	0.0%
Human Resources	5800	200		200	200	0	0.0%
Safety/Security & Risk Mgmt.	5900	1,850		1,850	1,850	0	0.0%
Equip./Material Purchases	6100	0		0	0	0	
CalMod Program	7100	0		0	0	0	
Oper. Support	8100	3,200		3,200	3,200	0	0.0%
Undefined and others		0		0	0		
<b>Subtotals</b>	NA	<b>73,170</b>	<b>0</b>	<b>73,170</b>	<b>73,170</b>	<b>0</b>	<b>0.0%</b>
Risks (known & unknown)	NA	NA	NA	NA	21,934		
Contingency	9900	21,934	0	21,934	NA	0	0.0%
<b>Grand Totals</b>	NA	<b>95,104</b>	<b>0</b>	<b>95,104</b>	<b>95,104</b>	<b>0</b>	<b>0.0%</b>
(*) 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	1,055	400	1,455	1,455	0
<b>Totals</b>		<b>1,055</b>	<b>400</b>	<b>1,455</b>	<b>1,455</b>	<b>0</b>

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 Package A 30% design has been submitted and reviewed. GEC to begin design of the revised Package B 30%. 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 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 Civil and Tunnel PDB contractor terms to use the corner being developed. Package B contractor to use other locations in the yard and along the mainline, details to shown in revised package B submittal.	Stipulate TJPA identify offsite options.	TBD

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**4th & King Yard Preparation (4KY)**

Project No. **100785**

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**KEY ACTIVITIES - Current Reporting Quarter**

Completed review of Final 30% Estimate Submittal. Project went to the Management Committee in June 2024 for schedule and tracking changes.

**NEXT KEY ACTIVITIES**

Resolve comments for Final 30% Submittal for Package A.

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**PROJECT NOTES**

Milestone schedule was re-baselined and traffic lights turned off for this project based on Management Committee approval of an updated Work Plan in June 2024.

**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	G	G	G
Previous	G	Y	G	G

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

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)
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
Project Coordination	08/31/20	08/31/20	0	0
Alternative Development and Screening Criteria	05/31/22	05/31/22	0	0
Alternative Analysis and Recommendation	06/10/22	06/10/22	0	0
Draft Report Production	07/05/22	07/05/22	0	0
Final Report Production	09/30/22	09/30/22	0	0
Gate 2 - 15% Development Complete	10/24/22	10/24/22	0	0

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

Estimate at Completion	
Low	High
1,151	1,151



Whipple Avenue Grade Separation Study

Project No. 100410

**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
<b>Totals</b>		<b>850</b>	<b>301</b>	<b>1,151</b>	<b>1,151</b>	<b>0</b>

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

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

**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**

In June 2024 Management Committee meeting it was approved that the status of this project be turned 'inactive.'

**NEXT KEY ACTIVITIES**

None.

**PROJECT NOTES**

This is the last report for this project. In June 2024 Management Committee meeting it was approved that the status of this project be turned 'inactive.'

**Bernardo Avenue Undercrossing**

Project No. **100667**

**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	R	R	G

Progress (%)	Change Prev. Qtr.
<b>TBD</b>	<b>NA</b>

**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: Dennis Kearney

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	06/27/24	06/27/24	0	0
Gate 3 - 35% Development Complete	03/31/25	03/31/25	0	0
Environmental Clearance Complete	01/30/26	01/30/26	0	0
Publish Solicitation for Final Design Contract	01/31/26	01/31/26	0	0
Award Final Design Contract	07/30/26	07/30/26	0	0
Gate 4 - 65% Development Complete	03/30/27	03/30/27	0	0
Gate 5 - 100% Development Complete / IFB	06/30/27	06/30/27	0	0
IFB	06/30/27	06/30/27	0	0
ROW Permits Complete	08/30/27	08/30/27	0	0
Solicitation for Construction Contract	08/30/27	08/30/27	0	0
Award of Construction Contract	11/30/27	11/30/27	0	0
NTP - Construction Contract	03/01/28	03/01/28	0	0
Gate 6 - Substantial Completion	03/01/30	03/01/30	0	0
Gate 7 - Start-Up / Turnover Complete	06/30/30	06/30/30	0	0
Gate 8 - Project Closeout Complete	09/30/30	09/30/30	0	0

**Bernardo Avenue Undercrossing**

Project No. **100667**

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

Estimate at Completion	
Low	High
44,107	65,151

**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
<b>Totals</b>		<b>42</b>	<b>4,990</b>	<b>5,032</b>	<b>42</b>	<b>4,990</b>

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

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

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

Issue Title	Responsibility Status	Action	Resolution Date
Project handoff from the City of Sunnyvale to Caltrain	Dennis Kearney ----- Resolved	Caltrain to coordinate with the City of Sunnyvale once 35% design and environmental clearance is completed by City.	06/27/24
EAC is higher than the initial estimate	Dennis Kearney ----- Resolved	The City of Sunnyvale and VTA are working together to identify additional funds to complete the construction.	06/27/24

**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 continued 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. Re-baselining of the project budget, funding and schedule was presented to and approved at the June 2024 Management Committee.

**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. City anticipates being able to execute SA#2 in July 2024.

**PROJECT NOTES**

1. City and VTA are working together to identify additional funds to complete the construction.
2. The re-baseline of the budget and schedule was approved in the June Management Committee meeting.

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	G	G	G
Previous	G	R	G	G

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

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

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	01/31/26	01/31/26	0	0
Publish Solicitation for Preliminary Design	06/30/26	06/30/26	0	0
Award - Preliminary Design Contract	09/04/26	09/04/26	0	0
Gate 3 - 35% Development Complete	03/30/27	03/30/27	0	0
Gate 4 - 65% Development Complete	12/30/27	12/30/27	0	0
ROW Permits Complete	01/30/28	01/30/28	0	0
Environmental Clearance Complete	06/30/27	06/30/27	0	0
Solicitation for Construction Contract	12/30/28	12/30/28	0	0
Gate 5 - 100% Development/IFB Complete	12/30/28	12/30/28	0	0
Award of Construction Contract	12/30/28	12/30/28	0	0
NTP - Construction Contract	03/01/29	03/01/29	0	0
Gate 6 - Substantial Completion	03/30/30	03/30/30	0	0
Gate 7 - Start-Up / Turnover Complete	06/30/30	06/30/30	0	0
Gate 8 - Project Closeout Complete	12/31/30	12/31/30	0	0

Mary Ave Grade Separation

Project No. 100668

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

Estimate at Completion	
Low	High
320,928	481,384

**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 Sunnyvale	Local	38	0	38	0	
TBD (Externally funded)	Local	18,898	0	18,898	18,898	
<b>Totals</b>		<b>18,936</b>	<b>0</b>	<b>18,936</b>	<b>18,898</b>	

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

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood

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

Issue Title	Responsibility Status	Action	Resolution Date
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

**KEY ACTIVITIES - Current Reporting Quarter**

Milestone schedule and budget were re-baselined based on Management Committee approval of an updated Work Plan in June 2024.

**NEXT KEY ACTIVITIES**

Caltrain staff will work with the City to finalize a new Service Agreement (SA) for the Mary Avenue Grade Separation Project, including resolution of the City's comments on last version of the draft SA.

**PROJECT NOTES**

This will be the last report for this project as the project has been put on pause. Milestone schedule and budget were re-baselined based on Management Committee approval of an updated Work Plan in June 2024.

**Downtown Rail Extension (DTX)**

Project No. **100687**

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

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

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

Progress (%)	Change Prev. Qtr.
<b>NA</b>	<b>NA</b>

**SCOPE Summary**

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 (for this project number) is to capture Caltrain's costs associated with supporting its development while in the FTA pipeline, which it entered in early December 2021. The 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

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	06/27/24	06/27/24	0	0
Gate 4 - 65% Development Complete	04/01/26	04/01/26	0	0
NTP - Construction/Implementation Contract	10/01/27	10/01/27	0	0
Gate 6 - Substantial Completion	12/31/33	12/31/33	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
<b>Totals</b>		<b>811</b>	<b>8,538</b>	<b>9,349</b>	<b>9,349</b>	<b>0</b>

**Downtown Rail Extension (DTX)**

Project No. **100687**

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

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
None				

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

Issue Title	Responsibility Status	Action	Resolution Date
Delays due to scope division into multiple contract packages	Gwen Buckley Resolved	The Transbay Joint Powers Authority (TJPA) is collaborating with Caltrain to investigate inventive design solutions enabling uninterrupted operations during construction.	06/27/24

**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). Due to the project's 27 month delay, staff are aiming to complete the MCA in early 2025. As a result, the project team is developing an agreement to extend the interim agreement. Legal recently completed a draft the amendment. In July, the project team and TJPA will review the amendment and negotiate the teams. Major issues will be brought to Caltrain Ad Hoc meeting in early August.

**NEXT KEY ACTIVITIES**

The Project Team plans to finalize the Interim Agreement amendment and bring it to AMP in September for an October Board approval. The team will seek 4KY Agreement approval later in the fall.

**PROJECT NOTES**

1. Several elements of the DTX project are continuing to commence or progress concurrently.
2. The schedule was re-baselined based on the Work Plan that was approved at June 2024 Mgmt. Committee meeting.

**PROJECT PHOTOS**

None.



North Fair Oaks Bike and Pedestrian Crossing

Project No. 100733

Table 1. Status Summary and Total Project Performance

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

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

Progress (%)	Change Prev. Qtr.
NA	NA

SCOPE Summary

This project will add a new pedestrian and bicycle crossing in the unincorporated community of North Fair Oaks in San Mateo County. This project is located in a MTC equity area. In March 2024, the County of San Mateo Board of Supervisors adopted a study report that describes trade offs for the three conceptual alternatives explored. This scope does not include the community connection improvements that were studied by the County alongside with the crossing alternatives, and that will move forward under the County's leadership.

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

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	7/1/2029	07/01/29	0	0
Gate 3 - 35% Development Complete	7/2/2031	07/02/31	0	0
Environmental Clearance Complete	11/15/31	11/15/31	0	0
Gate 4 - 65% Development Complete	5/15/2033	05/15/33	0	0
ROW Permits Complete	12/15/2034	12/15/34	0	0
IFB	TBD	TBD	0	0
Gate 5 - 100% Development/IFB Complete	TBD	TBD	0	0
Main Contract Award	TBD	TBD	0	0
NTP	TBD	TBD	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

North Fair Oaks Bike and Pedestrian Crossing

Project No. 100733

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	Unactivated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
Measure RR - Capital	Local	156		156	156	0
<b>Totals</b>		<b>156</b>	<b>0</b>	<b>156</b>	<b>156</b>	<b>0</b>

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

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

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

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

KEY ACTIVITIES - Current Reporting Quarter

Began the process of closing out the Service Agreement for the project. This will formally put the project on pause for the foreseeable future, since this is what the project sponsor’s Board of Supervisors decided in March 2024.

NEXT KEY ACTIVITIES

Project sponsor, the County of San Mateo, has put the project on pause and is not planning any expenses on this project over the next five fiscal years.

PROJECT NOTES

The Capital Planning team received an approval from the Management Committee for:

- Closeout of the 2023 Service Agreement for this project;
- return of remaining Service Agreement’s balance to #100621;
- Schedule changes: the project sponsor, County of San Mateo, put the project on pause and is not planning any expenses on this project over the next five fiscal years. However, the project sponsor approved to keep this project in Caltrain CIP with no cash flow in fiscal years FY2025 through FY2029.

PROJECT PHOTOS

None.

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.
<b>0.03%</b>	0.03%

**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
<b>Totals</b>		<b>107</b>	<b>0</b>	<b>107</b>	<b>107</b>	<b>0</b>

**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

The City Council approved the Churchill Partial Underpass with a modified bicycle and pedestrian crossing at Seale Avenue/Peers Park. The City Council approved advancing the Meadow-Charleston Hybrid and Underpass alternatives for further study in PE.

NEXT KEY ACTIVITIES

Discussions are under way between the City of Palo Alto and VTA to draft and ratify a cooperative agreement for the next phase of work.

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.
2.3%	0.66%

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
<b>Totals</b>		<b>2,184</b>	<b>1,333</b>	<b>3,518</b>	<b>2,184</b>	<b>1,333</b>



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 decision on the scope	Caltrain planning Planning will check with VTA for long term planning and GCA will check with city of Palo Alto, if we can move forward just replace the bridge and there are no near future for grade separate at Palo Alto Ave	Planning will check with VTA planning & GCA will check with City of Palo Alto	TBD
Need to conduct alternative delivery method analysis	Caltrain Capital / C&P identify the level of effort for alternative delivery method analysis	Internal discussion for alternative delivery method	TBD
Need to obtain 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.	TBD
Acoustic Monitoring local fund required	Project Manager/Grants Work with JPB Management to provide list of unfunded projects and coordinate with Grants to identify funding.	Local/State funding is required for the Acoustic Monitoring project to comply with the CEQA process.	TBD
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.	TBD

**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	G	G	G
Previous	G	R	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
100.00%	0.00%	100%

SCOPE Summary

This project will raise the vertical alignment and provide grade separations between Hillsdale Boulevard and SR-92 in the City of San Mateo, including:

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

The work included the final design/environmental (CEQA and NEPA) clearance work and construction to replace the existing 25th Avenue at-grade crossing with a two-track elevated grade separation. The elevated rail alignment will require the relocation of the existing Hillsdale Caltrain Station northward to a location between 28th and 31st Avenues and will allow for new street connections between El Camino Real and Delaware Street at 28th and 31st Avenues in San Mateo, California.

Project Manager: Andy Kleiber  
 Principal Designer: HDR Engineering, Inc.  
 Const. Contractor: Shimmick/Disney Joint Venture

Table 2. SAFETY INCIDENTS

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

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	08/31/24	08/31/24	0	0

25th Avenue Grade Separation

Project No.

002088

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

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100	2,025	4,593	6,618	6,618	0	0.0%
Environmental	1200	385	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%
<b>Subtotals</b>	NA	<b>4,128</b>	<b>195,953</b>	<b>200,081</b>	<b>200,081</b>	<b>0</b>	<b>0.0%</b>
Risks (known & unknown)	NA	NA	NA	NA	199	0	0.0%
Contingency	9900	372	-173	199	NA		
<b>Grand Totals</b>	<b>NA</b>	<b>4,500</b>	<b>195,780</b>	<b>200,280</b>	<b>200,280</b>	<b>0</b>	<b>0.0%</b>
(*) ICAP already included in totals above			4,940	4,940	4,940	0	0.0%

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

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

Fund Source Title	Type	Board Approved			Activated Funding	Unactivated Amount
		Original	Changes	Current		
		(A)	(B)	(C=A+B)	(D)	(E=C-D)
SMCTA	Local	3,700	90,835	94,535	94,535	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
<b>Totals</b>		<b>4,700</b>	<b>195,580</b>	<b>200,280</b>	<b>200,280</b>	<b>0</b>

25th Avenue Grade Separation

Project No.

002088

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

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
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. Resolved	Project Closeout schedule was re-baselined based on Management Committee approval of an updated Work Plan in June 2024.	6/27/2024

**KEY ACTIVITIES - Current Reporting Quarter**

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

**NEXT KEY ACTIVITIES**

Continue to require environmental monitoring (end of August 2024) and close-out the project.

**PROJECT NOTES**

- 1) Completed budget transfer of \$75K to Project 100684 - Mini High Platforms.
- 2) Project Closeout schedule was re-baselined based on Management Committee approval of an updated Work Plan in June 2024.

**PROJECT PHOTOS**



Photo 1 - 25th N Yard Lighting Pole

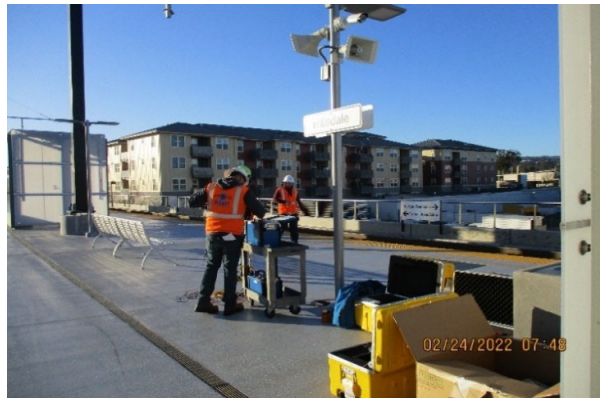


Photo 2 - OCS Grounding Testing.

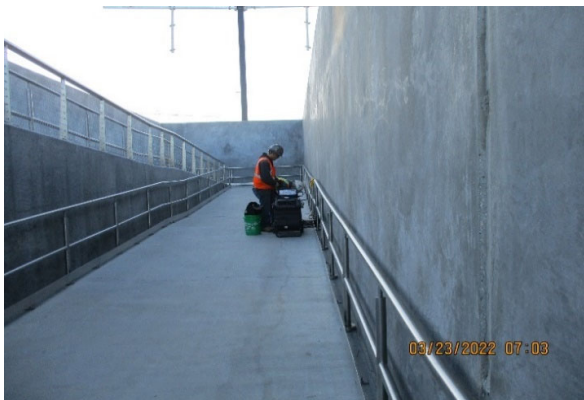


Photo 3 - South Ramp fixing plate kickers



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	G	G	G
Previous	G	R	G	G

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

SCOPE Summary

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

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

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

Table 2. SAFETY INCIDENTS

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

Table 3. MILESTONE SCHEDULE

Milestones	Baseline Completion	Est. or Actual Completion	Variation (days)	Δ Prev Quarter
	(A)	(B)	(C=A-B)	(D)
Adv	04/12/17	04/12/17	0	0
Bid Opening	06/12/17	06/12/17	0	0
Award	08/03/17	08/03/17	0	0
LNTP	10/09/17	10/09/17	0	0
NTP	03/06/18	03/06/18	0	0
Project status update to JPB CAC	09/15/21	09/15/21	0	0
Project status update to TA CAC (Citizen Advisory Committee)	10/05/21	10/05/21	0	0
Project status update to TA Board	10/07/21	10/07/21	0	0
Substantial Completion	11/30/21	11/30/21	0	0
Station Opening	01/13/22	01/13/22	0	0
Gate 6 - Substantial Completion	12/22/22	12/22/22	0	0
Gate 7 - Start-Up/Turnover Complete	12/22/22	12/22/22	0	0
Gate 8 - Project Closeout Complete	06/30/25	06/30/25	0	0



South San Francisco Station Improvement Project

Project No. 002146

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

Type of Work		Budget			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C=A+B)	(D)	(E=C-D)	(F=E/C)
Planning & Engineering	1100	3,127	-1,590	1,537	1,537	0	0.0%
Environmental	1200	100	-94	6	6	0	0.0%
Real Estate	2100	0	5,055	5,055	5,055	0	0.0%
Utilities Relocations	2200	200	5,198	5,398	5,398	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	3,366	6,689	6,689	0	0.0%
Design Support During Const.	4200	1,109	5,068	6,177	6,177	0	0.0%
Testing & Commissioning	4300	0	2,000	2,000	2,000	0	0.0%
Agency/ODCs	5000	0	1,700	1,700	1,700	0	0.0%
Project Management	5100	2,664	3,236	5,900	5,900	0	0.0%
Project & Document Control	5200	126	1,174	1,300	1,300	0	0.0%
Finance/Accounting	5300	63	-33	30	30	0	0.0%
Contracts & Procurement	5400	116	-55	60	60	0	0.0%
Legal	5500	50	350	400	400	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	
Oper. Support	8100	1,656	2,033	3,689	3,689	0	0.0%
Undefined and others			175	175	175		
<b>Subtotals</b>	NA	<b>49,533</b>	<b>38,729</b>	<b>88,262</b>	<b>88,262</b>	<b>0</b>	<b>0.0%</b>
Risks (known & unknown)	NA	NA	NA	NA	276		
Contingency	9900	6,767	-6,490	276	NA	<b>0</b>	<b>0.0%</b>
<b>Grand Totals</b>	NA	<b>56,300</b>	<b>32,239</b>	<b>88,539</b>	<b>88,539</b>	<b>0</b>	<b>0.0%</b>
(*) ICAP already included in totals above		2,681	1,535	4,216	4,216	0	0.0%

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

**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		1,300	1,300	1,300	-
SMCTA (Project Specific)	Local	49,100	(5,028)	44,072	44,572	(500)
FTA Section 5337 (State of Good Repair)	Federal		38,828	38,828	38,828	-
City of South San Francisco	Local	5,900	6,500	12,400	9,900	2,500
<b>Totals</b>		<b>55,000</b>	<b>41,600</b>	<b>96,600</b>	<b>94,600</b>	<b>2,000</b>

**South San Francisco Station Improvement Project**

Project No. **002146**

**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)	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.	Issue work directive with TASI to relocate connection to South Airport Blvd. as directed by the Fire Marshal post project completion.	TBD
UPRR track lost due to construction	TBD ----- Project is still addressing an obligation to Union Pacific Railroad (UPRR) to fund rebuilding of 4,200' of yard track that UPRR lost, due to construction of this project.	Agreement reached with UPRR and attorneys working to finalize agreements. Utilizing UPRR's 2017 25% estimated amount of \$5,166,953 to retire the obligation.	TBD

**KEY ACTIVITIES - Current Reporting Quarter**

Project close out continued. Milestone schedule was re-baselined based on Management Committee approval of an updated Work Plan in June 2024.

**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**

Milestone schedule was re-baselined based on Management Committee approval of an updated Work Plan in June 2024.

PROJECT PHOTOS



Photo 1 - Ped tunnel looking west

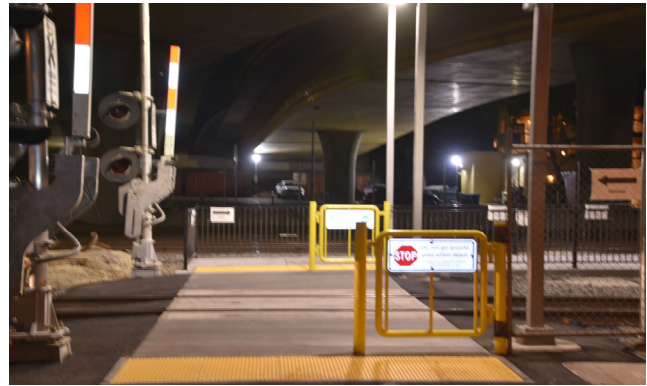


Photo 2 - Ped grade crossing



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**

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

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

Progress (%)	Change Prev. Qtr.	EAC/Budget
<b>98.11%</b>	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%
<b>Subtotals</b>	NA	<b>4,880</b>	<b>1,532</b>	<b>6,412</b>	<b>6,412</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	458	<b>0</b>	<b>0.0%</b>
Unallocated Contingency	9900	1,990	-1,532	458	NA		
<b>Grand Totals</b>	NA	<b>6,870</b>	<b>0</b>	<b>6,870</b>	<b>6,870</b>	<b>0</b>	<b>0.0%</b>

(*) ICAP already included in totals above	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
<b>Totals</b>		<b>6,870</b>	<b>0</b>	<b>6,870</b>	<b>7,060</b>	<b>-190</b>

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

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

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

Issue Title	Responsibility Status	Action	Resolution Date
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.

**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

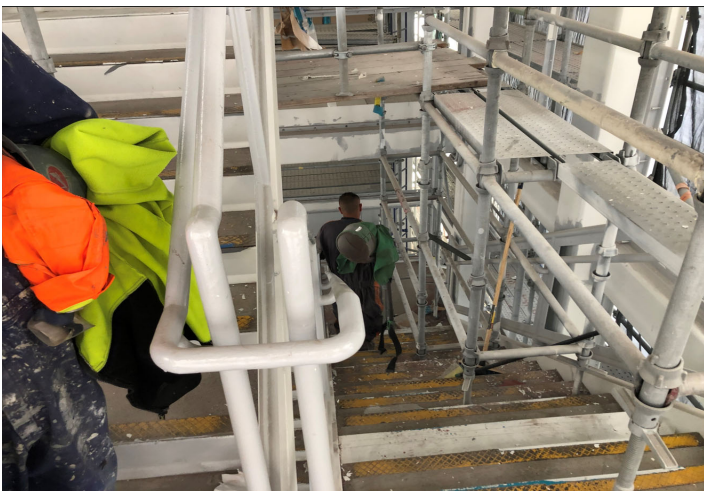


Photo 3 - West Tower Paint Layer

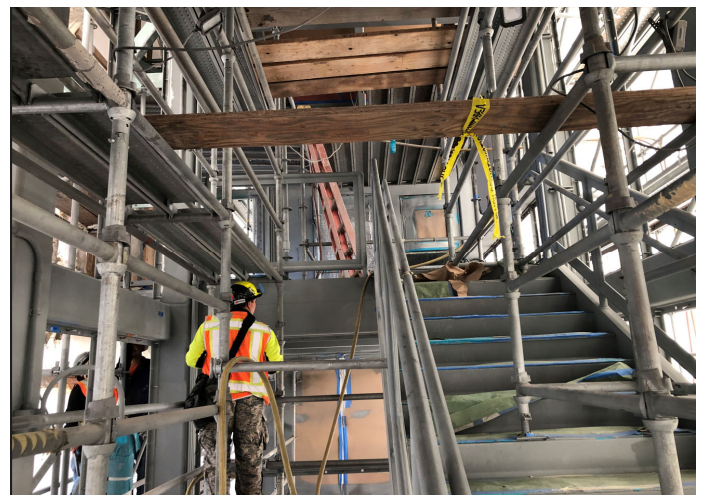


Photo 4 - East Tower Paint Preparation



**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	G	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
<b>100.00%</b>	4.86%	75%

**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	05/23/24	05/23/24	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	-1,236	764	763	1	0
Construction Management	4100	350	60	410	369	41	0
Design Support During Const.	4200	100	-60	40	13	27	0
Testing & Commissioning	4300	0	0	0	0	0	
Agency/ODCs	5000	0	80	80	66	14	0
Project Management	5100	250	-15	235	152	83	0
Project & Document Control	5200	50	70	120	88	32	0
Finance/Accounting	5300	30	0	30	0	30	0
Contracts & Procurement	5400	25	0	25	9	16	0
Legal	5500	25	0	25	5	20	0
Information Technology	5600	0	0	0	0	0	
Communications/P. Relations	5700	0	10	10	0	10	0
Human Resources	5800	0	0	0	0	0	
Safety/Security & Risk Mgmt.	5900	0	25	25	0	25	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
<b>Subtotals</b>	NA	<b>3,615</b>	<b>-210</b>	<b>3,405</b>	<b>3,106</b>	<b>299</b>	0
Risks (known & unknown)	NA	NA	NA	NA	0	755	0
Contingency	9900	560	195	755	NA		
<b>Grand Totals</b>	<b>NA</b>	<b>4,175</b>	<b>-15</b>	<b>4,160</b>	<b>3,106</b>	<b>1,054</b>	<b>0</b>

(\* ICAP already included in totals above      167      0      167      124      43      25.6%

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.

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
<b>Totals</b>		<b>4,175</b>	<b>-14</b>	<b>4,161</b>	<b>4,161</b>	<b>0</b>

**Watkins Ave Grade Crossing Safety Improvements**

Project No. **100522**

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

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

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

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

**KEY ACTIVITIES - Current Reporting Quarter**

Completed the project close-out. Project was approved for Gate 8 - Closeout at the May Management Committee.

**NEXT KEY ACTIVITIES**

None.

**PROJECT NOTES**

This will be the last QSR for this project.

**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	G	G	G

Progress (%)	Change Prev. Qtr.	EAC/Budget
<b>100.00%</b>	1.10%	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.

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

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

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

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

Project Manager: Robert Tam

Principal Designer: NA

Const. Contractor: Ventek

**Table 2. SAFETY INCIDENTS**

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

**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
LNTF	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	05/23/24	05/23/24	0	0

Ticket Vending Machines (TVM) Rehab

Project No.

100240

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

Type of Work		Budget *			Estimate at Completion	Variation	
Title	Code	Original	Changes	Current		Amount	Percentage
		(A)	(B)	(C =A+B)	(D)	(E =C-D)	(F =E/C)
Planning & Engineering	1100	0	-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%
<b>Subtotals</b>	NA	<b>3,836</b>	<b>56</b>	<b>3,892</b>	<b>3,892</b>	<b>0</b>	<b>0.0%</b>
Risks (known & unknown)	NA	NA	NA	NA	0		
Contingency	9900	56	-56	0	NA		
<b>Grand Totals</b>	<b>NA</b>	<b>3,892</b>	<b>0</b>	<b>3,892</b>	<b>3,892</b>	<b>0</b>	<b>0.0%</b>
(*) ICAP already included in totals above		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.

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

Fund Source Title	Type	Board Approved			Activated Funding	Unactivated Amount
		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
<b>Totals</b>		<b>3,835</b>	<b>57</b>	<b>3,892</b>	<b>3,892</b>	<b>0</b>

**Ticket Vending Machines (TVM) Rehab**

Project No. **100240**

**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**

Completed the Close-Out of the Project. Project was approved for Gate 8 - Closeout at the May Management Committee.

**NEXT KEY ACTIVITIES**

None.

**PROJECT NOTES**

This is the last QSR for the project.

**PROJECT PHOTOS**



Photo 1 - Palo Alto TVM 106



Photo 2 - Prototype TVM Door Graphics



Photo 3 - RWC TVM 65



Photo 4 - San Jose



**PROJECTS WITH DEFERRED FUNDING**  
**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	NA	NA	NA	NA
Previous	NA	NA	NA	NA

Progress (%)	Change Prev. Qtr.	EAC/Budget
<b>7.80%</b>	0.00%	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	TBD		
Funding Agreement - SFCTA	05/01/24	TBD		
Gate 4 - 65% Development Complete	09/01/24	TBD		
Solicitation for Construction Contract	03/01/25	TBD		
Funding Agreement - FTA	05/01/25	TBD		
Gate 5 - 100% Development/IFB Complete	06/01/25	TBD		
Award of Construction Contract	07/01/25	TBD		
NTP - Construction/Implementation Contract	08/01/25	TBD		
Gate 6 - Substantial Completion	06/01/26	TBD		
Gate 7 - Start-Up / Turnover Complete	07/01/26	TBD		
Gate 8 - Project Closeout Complete	10/01/26	TBD		

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%
<b>Subtotals</b>	NA	<b>287</b>	<b>8,253</b>	<b>8,540</b>	<b>8,540</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	2,476		
Unallocated Contingency	9900	0	2,476	2,476	NA	0	0.0%
<b>Grand Totals</b>	NA	<b>287</b>	<b>10,729</b>	<b>11,016</b>	<b>11,016</b>	<b>0</b>	<b>0.0%</b>
(*) 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	Un-activated 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
<b>Totals</b>		<b>287</b>	<b>447</b>	<b>734</b>	<b>734</b>	<b>0</b>

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	Develop detailed funding and implementation plan in collaboration with SFCTA. Pursue potential grant opportunities including the FTA All Stations Accessibility Program.	\$ -	Med
	Reviewing Requirements for funding through FTA All Stations Accessibility Prog Grant and local match (Prop L).		TBD	
Preliminary cost estimates are based on conceptual plans and 2021 dollars and may underestimate the overall cost of the project.	Angie Myrechuck	Develop/refine cost estimates based on preliminary design work.	\$ -	Med
	Working to keep scope within initial budget.		None	
Potential DOT level boarding requirements due to platform modifications.	Angie Myrechuck	Further review DOT requirements and pursue potential level boarding exemption from FTA and FRA if necessary.	\$ -	Med
	Will continue to investigate the procedure for requesting a waiver. No action to request a waiver until the design is further developed (65%) and full funding is secured.		TBD	
Anticipated environmental impacts may differ as design is developed.	Angie Myrechuck	Develop project scoping items to properly identify potential environmental impacts as design continues.	\$ -	Low
	Have informed Environmental manager of project and will coordinate as design develops.		TBD	

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

Issue Title	Responsibility Status	Action	Resolution Date
Lack of funding causing delays in schedule	Grants	Work with Grants to request debrief from FTA to understand why project was not selected for grant award. Work with SFCTA to develop path forward based on FTA determination.	TBD
	FTA ASAP Grant Award not awarded		

**KEY ACTIVITIES - Current Reporting Quarter**

30% modified design was completed in March and FTA ASAP grant application was submitted in January. Planned FTA Grant for funding of this project was not awarded by FTA in FY24 cycle. Project will be deferred until a viable funding plan is in place.

**NEXT KEY ACTIVITIES**

Project will be placed on pause. Will meet with FTA to understand future ASAP Grant opportunities. Will evaluate other potential grants to fund the project in coordination with SFCTA.

**PROJECT NOTES**

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

**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: Bin Zhang  
 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%
<b>Subtotals</b>	NA	<b>9,723</b>	<b>-4,080</b>	<b>5,643</b>	<b>5,643</b>	<b>0</b>	<b>0.0%</b>
Unknown Risks	NA	NA	NA	NA	2,357	<b>0</b>	<b>0.0%</b>
Unallocated Contingency	9900	277	2,080	2,357	NA		
<b>Grand Totals</b>	NA	<b>10,000</b>	<b>-2,000</b>	<b>8,000</b>	<b>8,000</b>	<b>0</b>	<b>0.0%</b>

(*) 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 (D)	Un-activated Amount (E=C-D)
		Original	Changes	Current		
		(A)	(B)	(C=A+B)		
Member Agency Funds--SFCTA (Prop K)	Local	750		750	750	0
Member Agency Funds - SMCTD	Local	1,048	-400	648	648	0
<b>Totals</b>		<b>1,798</b>	<b>-400</b>	<b>1,398</b>	<b>1,398</b>	<b>0</b>

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

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
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 Dec 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
42.43%	0.71%	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: Chi Chow  
 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%
<b>Subtotals</b>	NA	<b>3,305</b>	<b>665</b>	<b>3,970</b>	<b>2,970</b>	<b>1,000</b>	<b>25.2%</b>
Unknown Risks	NA	NA	NA	NA	530	0	0.0%
Unallocated Contingency	9900	696	-165	530	NA		
<b>Grand Totals</b>	NA	<b>4,000</b>	<b>500</b>	<b>4,500</b>	<b>3,500</b>	<b>1,000</b>	<b>22.2%</b>

(*) 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
<b>Totals</b>		<b>2,500</b>	<b>1,000</b>	<b>3,500</b>	<b>3,500</b>	<b>0</b>

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

Risk Title	Responsibility Status	Mitigation	Impact Bud/Sched	Likelihood
None				

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

Issue Title	Responsibility Status	Action	Resolution Date
None			

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**Update and Upgrade GIS System**

Project No. **100565**

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**KEY ACTIVITIES - Current Reporting Quarter**

The flasher & gate naming convention has been incorporated into GIS. Reviewed GIS Viewer and training video. Preparing information for onboarding for GIS Analysts.

**NEXT KEY ACTIVITIES**

We plan to hire GIS Analysts in FY25 to continue collecting and integrating spatial data with the support from the shared service and also add more physical data into the GIS Viewer.

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**PROJECT NOTES**

Team will re-baseline the scope, schedule, and budget to align with remaining available budget. The project has been deferred.

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**PROJECT PHOTOS**

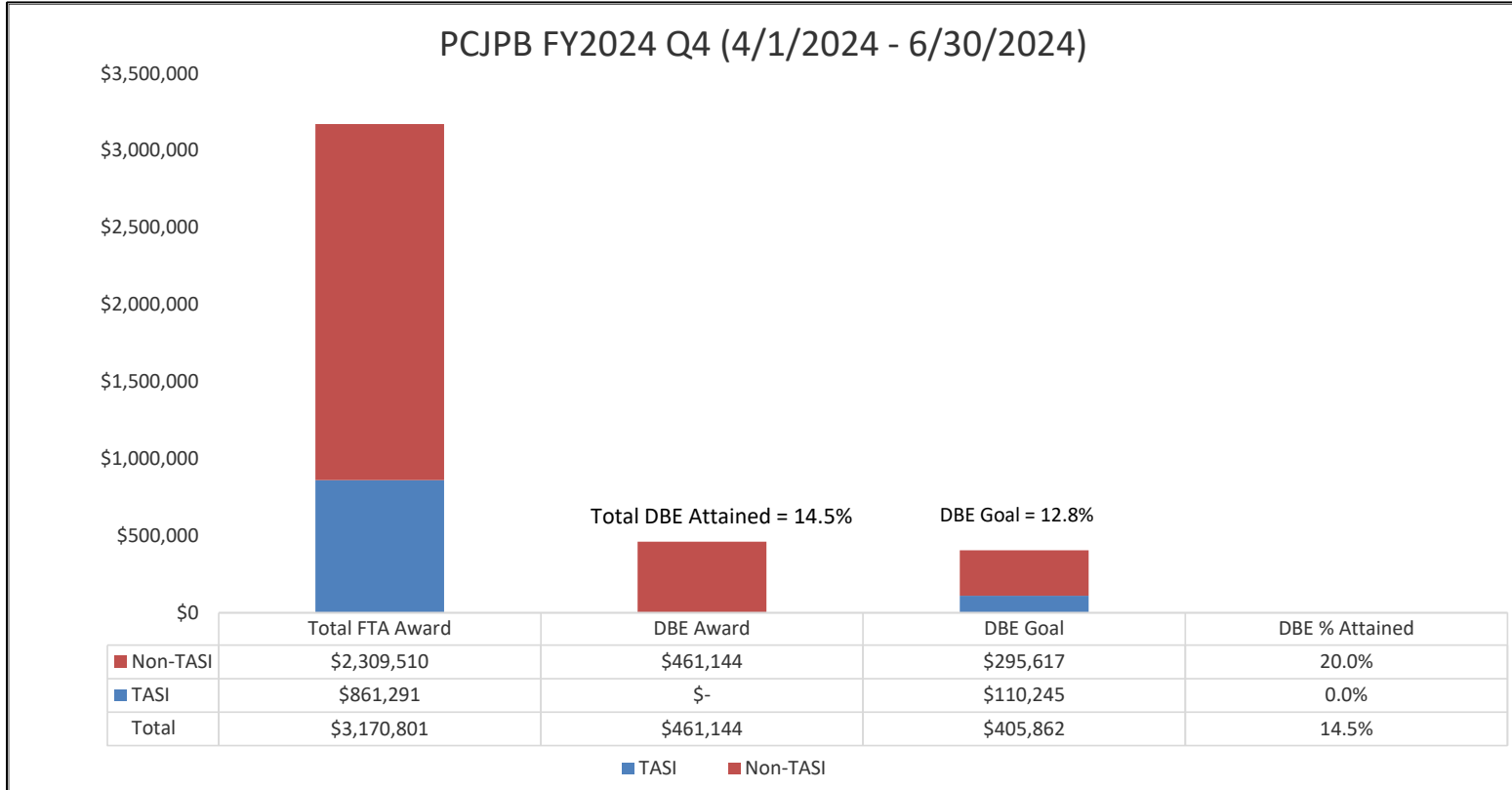
None.

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**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 14.5% for both TASI and Non-TASI combined.

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

Status Light	Event Trigger	Range & Limits	Light
<b>Budget</b> <sup>(1)</sup>	(a) CPI (Only if Progress >5%) <sup>(3)</sup>	CPI < 0.95	<b>Red</b>
		CPI >= 0.95 and < 0.98	<b>Yellow</b>
		CPI >= 0.98	<b>Green</b>
	(b) EAC greater than Approved Budget	10% or more; or \$2M or more	<b>Red</b>
		Up to 10% or less or up to \$2M or less	<b>Yellow</b>
		EAC <= budget	<b>Green</b>
<b>Schedule</b> <sup>(1)</sup>	(a) SPI (Only if Progress >5%) <sup>(3)</sup>	SPI < 0.95	<b>Red</b>
		SPI >= 0.95 and < 0.98	<b>Yellow</b>
		SPI >= 0.98	<b>Green</b>
	(b) Major Milestones delay (Forecasted vs. Baseline) <sup>(2)</sup>	Delay > 6 months	<b>Red</b>
		Delay between 1-6 months	<b>Yellow</b>
		Early, on time, or delay < 1 month	<b>Green</b>
<b>Funding</b> <sup>(1)</sup>	Phase EAC <sup>(4)</sup> vs. Activated Funds	Activated Funds can only cover Projected Costs 6 months or less	<b>Red</b>
		Activated Funds can cover Projected Costs more than 6 months	<b>Yellow</b>
		Phase EAC <sup>(3)</sup> Equal or less than Activated Funds	<b>Green</b>
<b>Safety</b>	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)	<b>Red</b>
		One Type I incident (Near Miss or incident requiring written report based on contract requirements)	<b>Yellow</b>
		No incidents	<b>Green</b>

Notes:

1. For lights with more than one event trigger, the worst performing light will be shown.
2. Light color is based on the worst performing pending milestone (completed milestones are not considered).
3. 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.

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

Capital Program Major Milestones by Project





















