



Capital Program Quarterly Status Report and DBE Status Report



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

Prepared for the March 07, 2024 Caltrain Board Meeting

Summary

Projects in Focus

Concerning (projects with red status lights)

1. 002088 - 25th Avenue Grade Separation

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

2. 002146 - South San Francisco Station Improvement Project

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

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

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

4. 100240 - Ticket Vending Machines (TVM) Rehab

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

5. 100244 - Broadway Burlingame Grade Separation

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

6. 100430 - CCF BCCF Virtualization

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

7. 100439 - Bayshore Station Overpass Pedestrian Bridge Rehab

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

8. 100667 - Bernardo Avenue Undercrossing

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

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

9. 100668 - Mary Ave Grade Separation

- **Schedule:** The alternatives analysis and community outreach has taken longer than originally expected. The City will hand over the project to Caltrain once the conceptual (15% plans) study is complete and a new service agreement is in place. Caltrain will explore potential options to accelerate the project including alternative delivery methods.

10. 100686 - Middle Avenue Undercrossing

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

11.100617 - Mountain View Transit Center Grade Separation & Access Project

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

12. 100762 - San Francisquito Creek North Bank Restoration

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

Watching (projects with yellow status lights)

1. 002113 - Guadalupe River Bridges Replacement and Extension

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

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

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

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

3. 100403 - Broadband Wireless Communications System

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

4. 100410 - Whipple Avenue Grade Separation Study

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

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

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

6. 100522 - Watkins Ave Grade Crossing Safety Improvements

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

7. 100676 - San Mateo Replacement Parking Track

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

8. 100684 - Mini-High Platforms




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

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

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

Performance Summary

Table S1. Projects in each status light by performance category

Status Light	Safety	Schedule	Budget	Funding
 Green	97.2%	58.3%	91.7%	83.3%
 Yellow	2.8%	8.3%	2.8%	16.7%
 Red	0.0%	33.3%	5.6%	0.0%

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

Table S2. Summary of project changes from previous quarter

Status Changes	Projects	Pct. Projects
All green	16	44.4%
Improved	1	2.8%
Got worse	9	25.0%
Stayed the same (except all green)	10	27.8%
Total Projects	36	

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

Table S3. Individual Projects

Project Number	Title	Safety		Schedule		Budget		Funding		Page
		Q1	Q2	Q1	Q2	Q1	Q2	Q1	Q2	
CONSTRUCTION/IMPLEMENTATION										
ROW Bridges										
002113	Guadalupe River Bridges Replacement and Extension	●	●	●	●	●	●	●	●	7
100439	Bayshore Station Overpass Pedestrian Bridge Rehab	●	●	●	●	●	●	●	●	14
100762	San Francisquito Creek North Bank Restoration	●	●	●	●	●	●	●	●	19
Stations										
100761	Level Boarding Roadmap (Study)	●	●	●	●	●	●	●	●	25
ROW Grade Crossings										
100426	Churchill Avenue Grade Crossing	●	●	●	●	●	●	●	●	29
100522	Watkins Ave Grade Crossing Safety Improvements	●	●	●	●	●	●	●	●	32
100566	San Mateo Grade Crossing Improvements	●	●	●	●	●	●	●	●	35
ROW Communications & Signals										
100403	Broadband Wireless Communications System	●	●	●	●	●	●	●	●	40
100432	Migration to Digital Voice Radio System	●	●	●	●	●	●	●	●	44
100449	Next Generation Visual Messaging Sign (VMS)	●	●	●	●	●	●	●	●	47
100572	Communication System SOGR	●	●	●	●	●	●	●	●	50
Fare Collection										
100240	Ticket Vending Machines (TVM) Rehab	●	●	●	●	●	●	●	●	54
Miscellaneous										
100233	MP-36 Locomotive Mid-Life Overhaul Project	●	●	●	●	●	●	●	●	60
100430	CCF BCCF Virtualization	●	●	●	●	●	●	●	●	64
100445	Automatic Passenger Counters at San Francisco 4th & King Station	●	●	●	●	●	●	●	●	68
100676	San Mateo Replacement Parking Track	●	●	●	●	●	●	●	●	72
100684	Mini-High Platforms	●	●	●	●	●	●	●	●	75
DESIGN (includes Preliminary and Final Design, and Procurement)										
Grade Separations										
002152	South Linden & Scott Grade Separation	●	●	●	●	●	●	●	●	79
100244	Broadway Burlingame Grade Separation	●	●	●	●	●	●	●	●	82
100482	Rengstorff Grade Separation	●	●	●	●	●	●	●	●	86
100617	Mountain View Transit Center Grade Separation & Access Project	●	●	●	●	●	●	●	●	90
Stations										
100459	22nd Street ADA Improvement	●	●	●	●	●	●	●	●	95
ROW Bridges										
100759	San Francisquito Creek Bridge Acoustic Monitoring System	●	●	●	●	●	●	●	●	99
ROW Communications & Signals										
100614	Predictive Arrival/Departure System (PADS) Replacement	●	●	●	●	●	●	●	●	103
Miscellaneous										
100780	MS4 Trash Management	●	●	●	●	●	●	●	●	107
100785	4th & King Yard Preparation (4KY)	●	●	●	●	●	●	●	●	110

Table S3. Individual Projects (Continued)

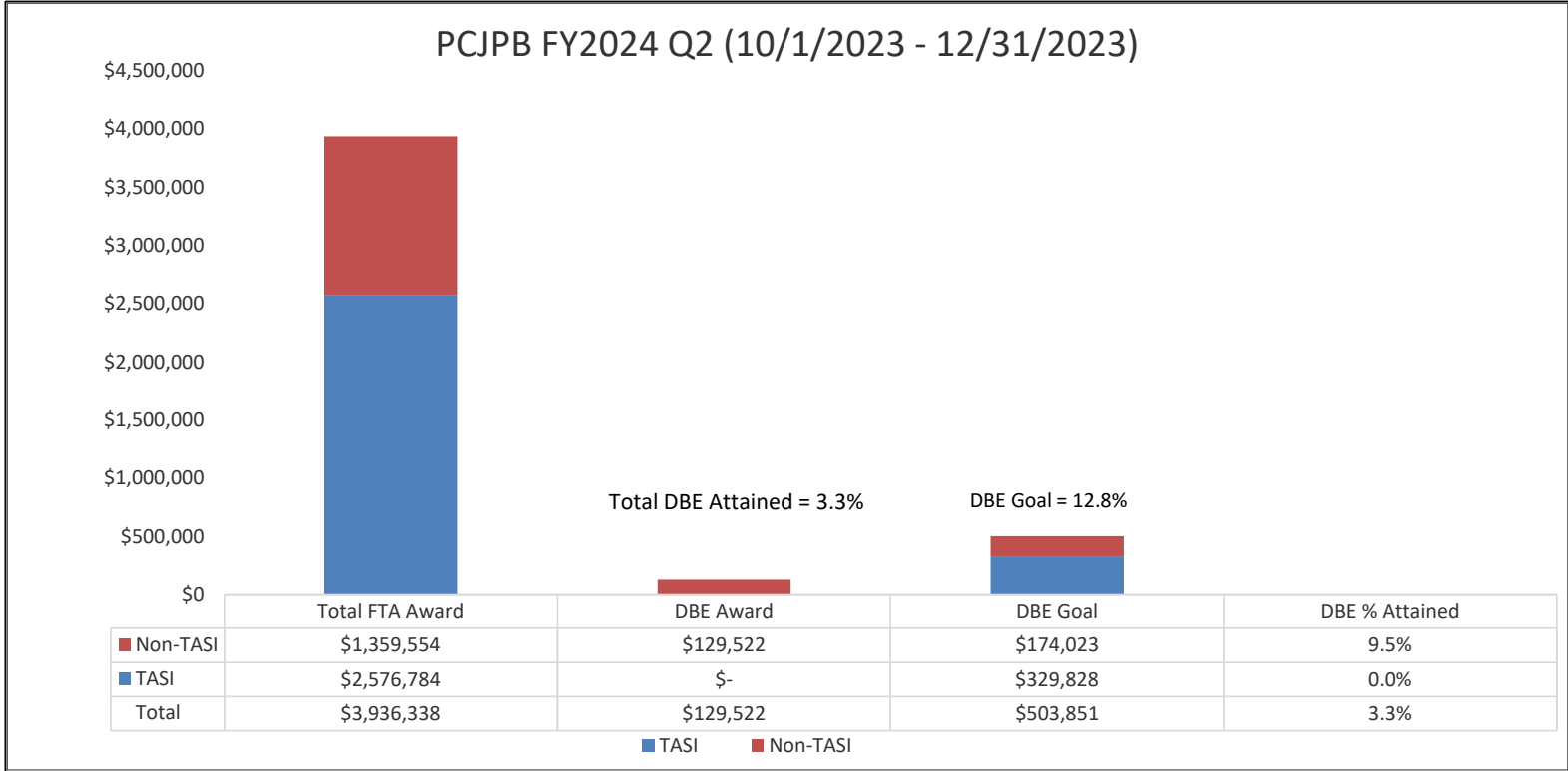
Project Number	Title	Safety		Schedule		Budget		Funding		Page
		Q1	Q2	Q1	Q2	Q1	Q2	Q1	Q2	
PLANNING (includes Initiation and Design to 15%)										
Grade Separations										
100410	Whipple Avenue Grade Separation Study	●	●	●	●	●	●	●	●	115
100667	Bernardo Avenue Undercrossing	●	●	●	●	●	●	●	●	117
100668	Mary Ave Grade Separation	●	●	●	●	●	●	●	●	119
100686	Middle Avenue Undercrossing	●	●	●	●	●	●	●	●	122
100687	Downtown Rail Extension (DTX)	●	●	●	●	●	●	●	●	125
100733	North Fair Oaks Bike and Pedestrian Crossing	●	●	●	●	●	●	●	●	128
100776	Connecting Palo Alto		●		●		●		●	132
ROW Bridges										
100427	San Francisquito Creek Bridge Conceptual Design & Community Engagement	●	●	●	●	●	●	●	●	136
CLOSEOUT (includes Start-up/Turnover and Closeout)										
Grade Separations										
002088	25th Avenue Grade Separation	●	●	●	●	●	●	●	●	141
Stations										
002146	South San Francisco Station Improvement	●	●	●	●	●	●	●	●	147
Projects with Deferred Funding										
ROW Grade Crossings										
100563	FY21-22 Grade Crossing Improvements									153
Miscellaneous										
100564	Enterprise Asset Management (EAM) Software System									157
100565	Update and Upgrade GIS System									160

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

Appendix A - Disadvantaged Business Enterprise (DBE)

Disadvantaged Business Enterprise (DBE)

PCJPB Award



Note: The overall triennial DBE goal for Federal Fiscal Year 2023-25 is 12.8%. The quarterly DBE attainment was 3.3% for both TASI and Non-TASI combined.