



Capital Program Quarterly Status Report and DBE Status Report



4th Quarter Fiscal Year 2023 (April to June 2023)

Prepared for the September 07, 2023 Caltrain Board Meeting

Summary

Projects in Focus

Concerning (projects with red status lights)

1. 002146 - South San Francisco Station Improvement Project

- **Schedule:** 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.

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

- **Schedule:** While lifting locomotive 925 - 2 jacks failed which caused some damage to lifting pad, ladders, and paint. Alstom is obtaining new jacks to lift locomotive and inspect for further damage.

3. 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. Approval of the closing the East and West Towers required numerous coordination meetings with Safety, Rail Operations, Rail Maintenance, Operations Planning, Customer Access, Government Affairs, Communications, and Customer access to obtain a final consensus for a path moving forward. The project obtained Board approval on May 4, 2023 for passenger shuttle services to complete the East and West Towers. Estimated opening of the station is anticipated on Monday, August 7, 2023. The project continues to coordinate Safety, Rail Operation Maintenance, Operations Planning, Customer Access, Government Affairs, Communications, and Customer accesses to ensure all necessary signage was posted to ensure rider satisfaction.

4. 100667 - Bernardo Avenue Undercrossing

-**Schedule:** The schedule has been delayed due to rigorous concepts development and public outreach by the Cities and extensive analysis and review by Caltrain to help decide the path forward. The City Council has selected the Eastern Alignment Alternative. The Cities' consultants are performing the Preliminary Design and Environmental Review. The schedule and budget will be updated after receiving the Preliminary Design and Environmental Review documents from the Cities.

-**Budget:** Project EAC is higher due to current estimate of Construction and Construction Management cost estimate and requires additional funding. Project Manager to seek approval from Management Committee for increasing the budget and re-baseline at a future meeting. After receiving the Preliminary Design and Environmental Review documents from the City, budget and schedule will be re-baselined.

5. 100668 - Sunnyvale Grade Separation

- **Schedule:** The City of Sunnyvale has completed feasibility study for the Mary Avenue grade separation. The City will hand over the project to Caltrain once the conceptual (15% plans) study is complete. Caltrain will explore potential options to accelerate the project including alternative delivery methods.

6. 100684 - Mini-High Platforms

- **Schedule:** Project schedule has been extended as the design phase took longer than anticipated. Project Manager to request for approval of Gate 5 and re-baseline of schedule at August 2023 Management Committee meeting.

7. 100685 - Verizon Sink Hole Repair San Jose

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

8. 100686 - Middle Avenue Undercrossing

- **Schedule/Budget:** 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 . Redesign delayed project schedule. Project transitioning to Caltrain to advance into final design. Project will re-baseline schedule and budget during final design.

Watching (projects with yellow status lights)**1. 002088 - 25th Avenue Grade Separation**

- **Schedule:** Project Closeout has been extended due to delay in City of San Mateo's Parking lot work, on-going mitigation monitoring compliance and ROW survey. Project Manager to request for a schedule rebaseline approval at the August 2023 Management Committee meeting.

2. 002113 - Guadalupe River Bridges Replacement and Extension

- **Schedule:** Schedule status light yellow from mutual agreement with Contractor to delay NTP seven days plus recent challenges with bridge demolition, drilling, and installation of temporary river diversion system.

- **Funding:** The JPB Board approved the funding plan for the project which relies on additional funding from the FY2024 and FY2025 SOGR Federal funding. Funds will be activated as needed to support the timely completion of the project.

3. 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. The Management Committee decided not to do the change order and keep the scope for Phase 5 as is.

4. 100410 - Whipple Avenue Grade Separation Study

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

Performance Summary

Table S1. Projects in each status light by performance category

Status Light	Safety	Schedule	Budget	Funding
 Green	100.0%	66.7%	94.4%	97.2%
 Yellow	0.0%	11.1%	0.0%	2.8%
 Red	0.0%	22.2%	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	20	55.6%
Improved	4	11.1%
Got worse	6	16.7%
Stayed the same (except all green)	6	16.7%
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
		Q3	Q4	Q3	Q4	Q3	Q4	Q3	Q4	
CONSTRUCTION/IMPLEMENTATION										
ROW Bridges										
002113	Guadalupe River Bridges Replacement and Extension	●	●	●	●	●	●	●	●	7
100439	Bayshore Station Overpass Pedestrian Bridge Rehab	●	●	●	●	●	●	●	●	14
Stations										
100761	Level Boarding Roadmap (Study)		●		●		●		●	20
ROW Grade Crossings										
100426	Churchill Avenue Grade Crossing	●	●	●	●	●	●	●	●	24
100522	Watkins Ave Grade Crossing Safety Improvements	●	●	●	●	●	●	●	●	27
100566	San Mateo Grade Crossing Improvements	●	●	●	●	●	●	●	●	30
ROW Communications & Signals										
100403	Broadband Wireless Communications System	●	●	●	●	●	●	●	●	34
100432	Migration to Digital Voice Radio System	●	●	●	●	●	●	●	●	37
100449	Next Generation Visual Messaging Sign (VMS)	●	●	●	●	●	●	●	●	40
100572	Communication System SOGR	●	●	●	●	●	●	●	●	43
Fare Collection										
100240	Ticket Vending Machines (TVM) Rehab	●	●	●	●	●	●	●	●	47
Miscellaneous										
100233	MP-36 Locomotive Mid-Life Overhaul Project	●	●	●	●	●	●	●	●	53
100430	CCF BCCF Virtualization	●	●	●	●	●	●	●	●	57
100445	Automatic Passenger Counters at San Francisco 4th & King Station	●	●	●	●	●	●	●	●	61
DESIGN (includes Preliminary and Final Design, and Procurement)										
Grade Separations										
002152	South Linden & Scott Grade Separation	●	●	●	●	●	●	●	●	66
100244	Broadway Burlingame Grade Separation	●	●	●	●	●	●	●	●	69
100482	Rengstorff Grade Separation	●	●	●	●	●	●	●	●	73
100617	Mountain View Transit Center Grade Separation & Access Project	●	●	●	●	●	●	●	●	78
Stations										
100459	22nd Street ADA Improvement		●		●		●		●	84
ROW Bridges										
100427	San Francisquito Creek Bridge Conceptual Design & Community Engagement	●	●	●	●	●	●	●	●	88
100759	San Francisquito Creek Bridge Acoustic Monitoring System		●		●		●		●	93
100762	San Francisquito Creek North Bank Restoration		●		●		●		●	96
Miscellaneous										
100676	San Mateo Replacement Parking Track	●	●	●	●	●	●	●	●	101
100684	Mini-High Platforms	●	●	●	●	●	●	●	●	104
100780	MS4 Trash Management		●		●		●		●	107
100685	Verizon Sink Hole Repair San Jose	●	●	●	●	●	●	●	●	110

Table S3. Individual Projects (Continued)

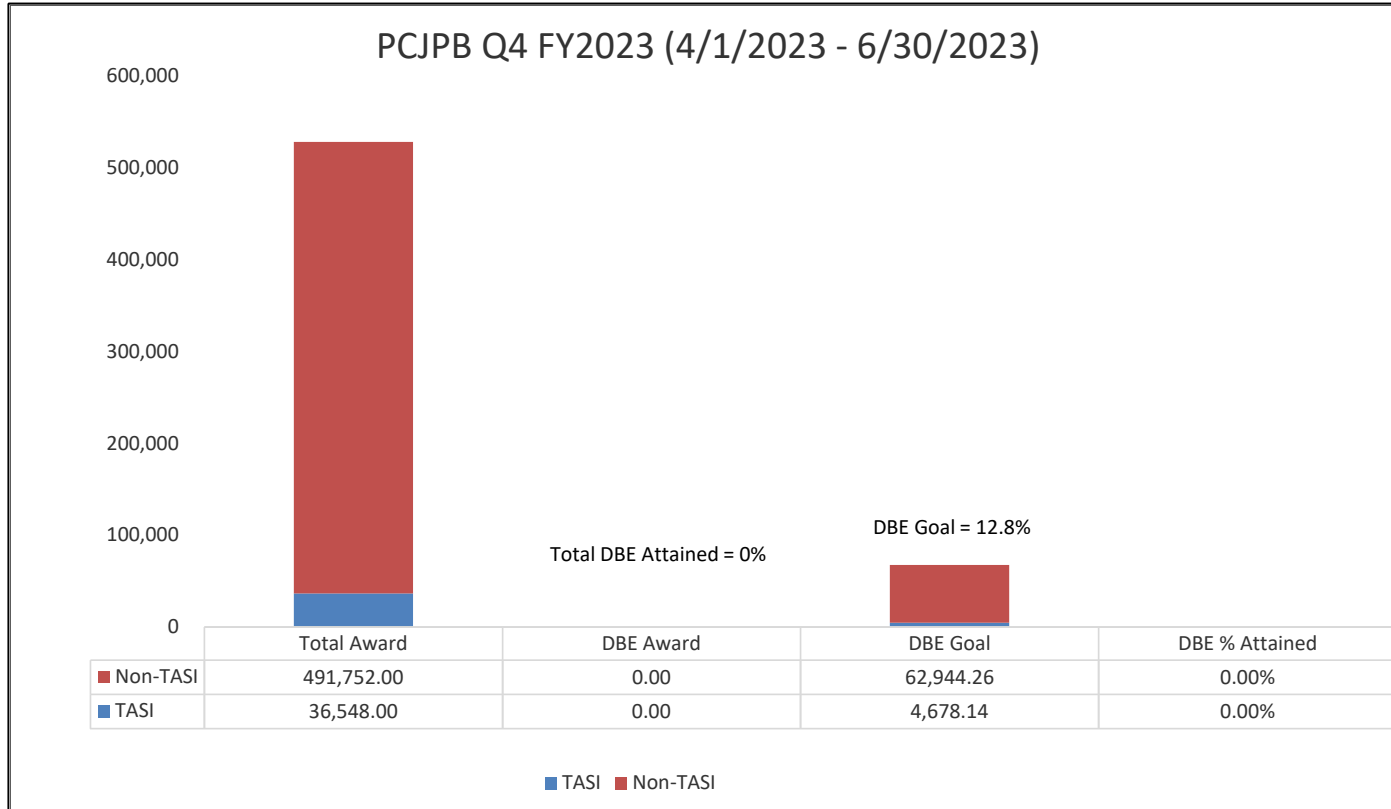
Project Number	Title	Safety		Schedule		Budget		Funding		Page
		Q3	Q4	Q3	Q4	Q3	Q4	Q3	Q4	
PLANNING (includes Initiation and Design to 15%)										
Grade Separations										
100410	Whipple Avenue Grade Separation Study	●	●	●	●	●	●	●	●	114
100667	Bernardo Avenue Undercrossing	●	●	●	●	●	●	●	●	117
100668	Sunnyvale Grade Separation	●	●	●	●	●	●	●	●	120
100686	Middle Avenue Undercrossing	●	●	●	●	●	●	●	●	123
100733	North Fair Oaks Bike and Pedestrian Crossing	●	●	●	●	●	●	●	●	127
100687	Downtown Rail Extension (DTX)	●	●	●	●	●	●	●	●	132
CLOSEOUT (includes Start-up/Turnover and Closeout)										
Grade Separations										
002088	25th Avenue Grade Separation	●	●	●	●	●	●	●	●	136
Stations										
002146	South San Francisco Station Improvement	●	●	●	●	●	●	●	●	142
ROW Communications & Signals										
100616	Caltrain Fiber Connectivity to Passenger Stations and Digital Voice	●	●	●	●	●	●	●	●	147
Fare Collection										
100574	Clipper Next Generation Validators Site Preparations	●	●	●	●	●	●	●	●	151
Projects with Deferred Funding										
ROW Grade Crossings										
100563	FY21-22 Grade Crossing Improvements									156
ROW Communications & Signals										
100614	Predictive Arrival/Departure System (PADS) Replacement									160
Miscellaneous										
100564	Enterprise Asset Management (EAM) Software System									164
100565	Update and Upgrade GIS System									167
100673	CCTV Study-Assessment									171

Note: The Total EAC (Estimated at Completion) for the projects shown above is \$2,066,674,190 (to be updated).

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 total DBE attained is 0% for both TASI and Non-TASI combined.