



Capital Projects

Quarterly Status Report

2nd Quarter FY2021: October 01 – December 31, 2020

Prepared for the March 03, 2021 SamTrans Board Meeting



San Mateo County Transit District



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SamTrans - Capital Program - Budget Status Summary

2nd Quarter FY2021 - October 01, 2020 to December 31, 2020

All Costs in \$1,000's

Programs					
	FY2017	FY2018	FY2019	FY2020	FY2021
1. Revenue Vehicles Replacement	\$7,725	\$0	\$0	\$0	\$0
2. Revenue & Non Revenue Vehicle Support	\$1,451	\$5,321	\$2,625	\$3,546	\$1,068
3. Information Technology	\$2,627	\$2,878	\$3,100	\$500	\$3,529
4. Development	\$1,942	\$1,552	\$750	\$250	\$0
5. Facilities/Construction	\$2,835	\$7,282	\$1,730	\$10,612	\$7,052
6. Safety and Security	\$1,451	\$0	\$0	\$150	\$0
7. Contingency	\$250	\$250	\$200	\$250	\$250
Total Board Approved Budget by FY ⁽¹⁾	\$18,281	\$17,283	\$8,405	\$15,308	\$11,899

Some of the major projects completed or in progress include, but are not limited to the following:

Active Projects

- Bus Stop Improvement Program
- Central Roof Replacement Project
- Non-Revenue Service Support Vehicles Project
- North Base Bus Washer Replacement
- Procurement of 10 Electric Buses Project
- Purchase a New Bus Simulator
- Replace & Upgrade Servers & Out of Warranty Equipment Project
- Replace Paratransit Vehicles
- South Base Natural Gas Line Replacement
- Traffic Signal Priority Project
- Wi-Fi at Bases for Video Review Project

Projects Completed Within the Last Three Years

- Central Office Sanitary Sewer Pump Replacement Project
- Facilities Smaller Projects - FY2012
- Lighting Upgrade at North Base and South Bases Project
- Linda Mar Park-n-Ride Lot Repaving Project
- Major Bus Components - FY2012
- Non-Revenue Service Support Vehicles Project
- North and South Base Industrial Waste Line Replacement Project
- Redi-Wheels (3) Expansion Vehicles Project
- Replace 50 2003 Gillig low-floor buses Project
- Replacement of 55 - 2002 NABI Buses Project
- San Carlos Transit Center Project

Note:

(1) The "Total Board Approved Budget by FY" reflects the annual budget approved by the SamTrans Board of Directors for each fiscal year. This authorizes the amount that can be spent on projects. Unspent budget in a fiscal year may be carried forward to subsequent budget years.

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SamTrans Quarterly Report TRAFFIC LIGHT REPORT

The following projects represent a sub-set of the total Capital Program and have been selected for inclusion into the Quarterly Report due to project value, operational significance, and/or impact on customers.

	SCOPE		BUDGET		SCHEDULE		FUNDING		Page	
	Q1 FY21	Q2 FY21	Q1 FY21	Q2 FY21	Q1 FY21	Q2 FY21	Q1 FY21	Q2 FY21		
<u>Vehicle Replacement Projects:</u>										
021502 - Major Bus Components Project										5
100113 - Procurement of 10 Electric Buses Project										6
100354 - MB-2000 Bus Simulator System										7
100460 - FY2020 Purchase 14 Revenue Para Transit Vehicles (Vans)										8
100461 - FY2020 13 Paratransit (Cutaway) Revenue Vehicles										9
<u>Information Technology Projects:</u>										
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100511 - South Base Natural Gas Line Replacement										19



= Project On-Hold



= No Issues



= Notable Issues



= Significant Issues

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SamTrans - Major Capital Project - Quarterly Report - Q2 FY2021 October 01, 2020 to December 31, 2020

(a)	(b)	(c)	(d)	(e)	(f)	(g) = (e) + (f)	(h)	(i) = (i) - (h)	(j)	(k) = (g) - (j)	(l) = (h) / (j)	(m)	(n)	(o)
Project No.	Project Name	Scope / Issues / Key Activities	Approved Funding	Original Budget	Approved Changes	Current Budget	Expended + Accrual To Date	Estimate to Complete	Estimate at Completion	Variance at Completion	% Expended of EAC	Est. Physical % Complete	Current Baseline / Current Start	Current Baseline / Current Finish
021502	Major Bus Components PM - David Harbour	<p>Scope: The objective of this project is to maintain a state of good repair for bus transit. Well maintained capital bus components are essential to keep our revenue equipment in service, reliable, and safe for bus patrons.</p> <p>This project provides funding for new parts, rebuilt parts, and major bus components, not accounted for in the operating budget, that exceed \$1,000 in accordance and compliance with FT A guidelines. Parts and major bus components include: engines, transmissions, differentials, ECU (electronic control unit), HVAC units (heating, ventilation and air conditioning) radiator, muffler, air compressor, Digital Video Recorders (DVRs), Automatic Mobile Data Terminals (AMDTs), etc.</p> <p>Issues: None.</p> <p>Key Activities:</p> <p>This Quarter: (1) Purchased major bus components and replacement parts.</p> <p>Next Quarter: (1) Continue to purchase major bus components and replacement parts, as needed.</p>	\$7,327,336	\$7,327,336	\$0	\$7,327,336	\$6,066,830	\$1,260,406	\$7,327,336	\$0	82.8%	82.8%	07/01/15 / 07/01/15A	12/31/21 / 12/31/21

VEHICLE REPLACEMENT/MAINTENANCE PROJECTS:

SamTrans - Major Capital Project - Quarterly Report - Q2 FY2021 October 01, 2020 to December 31, 2020

(a)	(b)	(c)	(d)	(e)	(f)	(g) = (e) + (f)	(h)	(i) = (i) - (h)	(j) = (g) - (i)	(k) = (h) / (j)	(m)	(n)	(o)
Project No.	Project Name	Scope / Issues / Key Activities	Approved Funding	Original Budget	Approved Changes	Current Budget	Expended + Accrual To Date	Estimate to Complete	Variance at Completion	% Expended of EAC	Est. Physical % Complete	Current Baseline / Current Start	Current Baseline / Current Finish
100113	Procurement of 10 Electric Buses PM - David Harbour	<p>Scope: Procure 10 battery-electric Zero Emissions Buses (ZEBs) to replace 10 of the 2003 Gillig diesel buses and install six charging stations in support of the electric buses. This project will support California Air Resources Board (CARB)'s goal of 100% ZEB transit fleet by 2040. These electric buses will be placed in a pilot service program at North Base.</p> <p>Issues: None.</p> <p>Key Activities</p> <p>This Quarter:</p> <ol style="list-style-type: none"> (1) Continued weekly meeting with Protorra's engineering team regarding bus defects and Lot 2 (remaining eight buses). (2) Continued corresponding with Resident Inspector about production in 2020. (3) Protorra continued re-delivery of remaining buses. (4) Continued in-service testing of re-delivered buses. <p>Next Quarter:</p> <ol style="list-style-type: none"> (1) Continue weekly meeting with Protorra's engineering team regarding bus defects and Lot 2 (remaining eight buses). (2) Continue corresponding with Resident Inspector about production in 2020. (3) Protorra to continue re-delivery of remaining buses. (4) Continue in-service testing of re-delivered buses. <p>Note: Schedule has been delayed due to Covid-19 impact and technical issues with the buses.</p>	\$10,926,668	\$10,926,668	\$0	\$10,926,668	\$5,227,539	\$7,699,129	\$0	29.5%	66.0%	02/01/18 02/01/18A	11/30/20 09/30/21

SamTrans - Major Capital Project - Quarterly Report - Q2 FY2021 October 01, 2020 to December 31, 2020

(a) Project No.	(b) Project Name	(c) Scope / Issues / Key Activities	(d) Approved Funding	(e) Original Budget	(f) Approved Changes	(g) = (e) + (f) Current Budget	(h) Expended + Accrual To Date	(i) = (i) - (h) Estimate to Complete	(k) = (g) - (i) Variance at Completion	(l) = (h) / (i) % Expended of EAC	(m) Est. Physical % Complete	(n) Current Baseline / Current Start	(o) Current Baseline / Current Finish
100354	MB-2000 Bus Simulator System PM - David Harbour	<p>Scope: The replacement of the outdated MB-2000 Bus Simulator acquired in 2005. SamTrans has benefited in training awareness from the MB-2000 Bus Simulator technology but is at the end of its life span and can no longer be upgraded. The older Simulator lacks the ability to adapt to the changing advances as a multi functioning training tool. A new simulator gives us the flexibility to manage larger classes in the training room environment and frees up buses in service. Also a primary reason for the simulator is to reduce preventable collisions and incidents. Reducing Risk in a hazards environments. The Simulator has shown positive results in the preventing preventable and at fault collisions.</p> <p>Issues: None.</p> <p>Key Activities:</p> <p>This Quarter: (1) Received the simulator system. (2) Scheduled simulator system training.</p> <p>Next Quarter: (1) Conduct simulator system training. (2) Project completes.</p> <p>Note: Project schedule was rebaselined this period.</p>	\$310,000	\$310,000	\$165,320	\$475,320	\$4,673	\$470,647	\$475,320	\$0	1.0%	12/01/19 / 12/01/19A	01/31/21 / 01/31/21

SamTrans - Major Capital Project - Quarterly Report - Q2 FY2021 October 01, 2020 to December 31, 2020

(a)	(b)	(c)	(d)	(e)	(f)	(g) = (e) + (f)	(h)	(i) = (i) - (h)	(j)	(k) = (g) - (j)	(l) = (h) / (j)	(m)	(n)	(o)
Project No.	Project Name	Scope / Issues / Key Activities	Approved Funding	Original Budget	Approved Changes	Current Budget	Expended + Accrual To Date	Estimate to Complete	Estimate at Completion	Variance at Completion	% Expended of EAC	Est. Physical % Complete	Current Baseline / Current Start	Current Baseline / Current Finish
100460	Purchase 14 Revenue Para Transit Vehicles (Vans) PM - David Harbour	<p>Scope: The project scope is to procure and replace fourteen revenue Para Transit vans which have exceeded their useful service life. This procurement will also continue to insure the reliability, dependability and cost-effectiveness of the District's revenue vehicle fleets and will improve customer service and will help to minimize repair and maintenance costs. A three year, 36,000 mile warranty on the chassis and one year bumper to bumper warranty from El Dorado will mitigate overall repair costs. In 2016 the EPA and NHTSA initiated phase 2 of the emission regulation standards to improve overall carbon footprint and better fuel economy standards. The new replacement vehicles will be part of the phase 2 standards and will lessen the overall carbon footprint and day to day fuel cost in the replacement sub-fleet.</p> <p>Issues: None.</p> <p>Key Activities:</p> <p>This Quarter:</p> <ol style="list-style-type: none"> (1) Completed Kickoff meeting with VTC inspection group. (2) Obtained technical specifications and quotes for camera system for post-delivery installation. (3) Identified Vendor for camera/install procurement. (4) Coordinated for complete Post-Delivery Buy America audit report and inspection documents. (5) Received all 14 minibus from Creative after painting from Classic Graphics for acceptance. (6) Issued PO to Creative Bus Sales for order of 14 Braun Entertain minibuses. <p>Next Quarter:</p> <ol style="list-style-type: none"> (1) Obtain final complete Post-Delivery Buy America audit report from VTC and MFG. (2) Perform acceptance inspections. (3) Coordinate AngelTrax for delivery of cameras, installation, and training. (4) Continue coordination with Creative on outstanding spec issues: 1) reupholster driver's seat to vinyl from fabric; 2) farebox stanchion; 3) remove middle seats and patch holes; and 4) add grab handles. 	\$942,034	\$942,034	\$0	\$942,034	\$30,720	\$911,314	\$942,034	\$0	3.3%	70.0%	03/05/20 / 03/05/20A	12/31/20 / 12/31/20

SamTrans - Major Capital Project - Quarterly Report - Q2 FY2021 October 01, 2020 to December 31, 2020

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Project No.	Project Name	Scope / Issues / Key Activities	Approved Funding	Original Budget	Approved Changes	Current Budget	Expended + Accrual To Date	Estimate to Complete	Estimate at Completion	Variance at Completion	% Expended of EAC	Est. Physical % Complete	Current Baseline / Current Start	Current Baseline / Current Finish
100461	FY2020 - 13 Para Transit (Curaway) Revenue Vehicles FM - David Harbour	<p>Scope: The project scope is to procure and replace 13 Para Transit (curaway) revenue vehicles that have exceeded useful service life. This will continue to insure the reliability, dependability and cost-effectiveness of the District's revenue vehicle fleets which in turn will improve customer service and will help to minimize repair and maintenance costs. A three year 36,000 mile warranty from El Dorado will also mitigate overall repair costs for that period. In 2016 the EPA and NHTSA initiated phase 2 of the emission regulation standards to improve overall carbon footprint and better fuel economy standards. These new replacement vehicles will be part of the phase 2 standards and help to decrease the overall carbon footprint and day to day fuel costs associated with this sub-fleet.</p> <p>Issues: Retrofit requirement and parts shortage delaying delivery. Pushed completed timeline back until end of calendar year.</p> <p>Key Activities:</p> <p>This Quarter:</p> <ol style="list-style-type: none"> (1) Received all 13 vehicles (2) Continued coordination of post-delivery acceptance and defective cameras (3) Accepted and placed (7) vehicles into service. (4) Paid (7) invoices (5) Continued coordination of post-delivery acceptance and defective Apollo cameras on Buses 287, 288, 289. <p>Next Quarter:</p> <ol style="list-style-type: none"> (1) Expecting last vehicle for delivery. (2) Coordinate for post-delivery acceptance. *Note: Cradlepoint router and antenna missing for wifi connectivity; external microphone for audio recording (3) Coordinate with Creative Bus Sales regarding remaining bus and Apollo to come out for router, antenna, and external microphone installation. (4) Continue to go through acceptance and put vehicles into service. (5) Work on any defective items on vehicles. 	\$1,755,886	\$1,755,886	\$0	\$1,755,886	\$1,470,393	\$285,493	\$1,755,886	\$0	83.7%	79.0%	02/07/20 / 02/07/20A	08/31/20 / 12/31/20

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SamTrans - Major Capital Project - Quarterly Report - Q2 FY2021 October 01, 2020 to December 31, 2020

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021505	Replace & Upgrade Servers & Out of Warranty Equipment Project PM - Ed Kelly	<p>Scope: This project will replace District's servers and data storage, copiers/printers, routers and switches, AC, UPS and other appliances that are at the end of their expected service life and soon to be out of warranty. The project will procure new equipment to replace old and out of warranty equipment in Central's Data Center, North Base, and South Base as well as professional services for setup and configuration.</p> <p>Issues: None.</p> <p>Key Activities:</p> <p>This Quarter: (1) Procured additional servers, network routers and switches to replace the out of warranty equipment.</p> <p>Next Quarter: (1) Procure additional servers, network routers and switches to replace the out of warranty equipment.</p>	\$7,079,000	\$985,000	\$6,084,000	\$7,079,000	\$4,774,836	\$2,304,164	\$0	67%	65%	07/01/14 / 07/01/14A	12/31/21 / 12/31/21

INFORMATION TECHNOLOGY PROJECTS:

SamTrans - Major Capital Project - Quarterly Report - Q2 FY2021 October 01, 2020 to December 31, 2020

(a) Project No.	(b) Project Name	(c) Scope / Issues / Key Activities	(d) Approved Funding	(e) Original Budget	(f) Approved Changes	(g) = (e) + (f) Current Budget	(h) Expended + Accrual To Date	(i) = (i) - (h) Estimate to Complete	(k) = (g) - (i) Variance at Completion	(l) = (h) / (i) % Expended of EAC	(m) Est. Physical % Complete	(n) Current Baseline / Current Start	(o) Current Baseline / Current Finish	
100016	WiFi at Bases for Video Review PM - Karambir Cheema	<p>Scope: The project scope will primarily be as follows:</p> <ol style="list-style-type: none"> 1. Install and test WiFi equipment at North Base and South Base. 2. Specify software configuration based on stakeholder consensus. 3. Install, configure, and test servers, including: <ol style="list-style-type: none"> a. Application server, which serves as the back end for client computers allowing users to request video, initiates communication with buses when they enter the yard, and uploads Digital Video Recorders (DVRs) health data as well as any requested video. b. Database server, which runs Microsoft SQL server and houses data for the server application. 4. Install and configure client applications on specified computers. 5. Configure all new WiFi equipped DVRs to communicate with the application server. <p>Issues: None.</p> <p>Key Activities:</p> <p>This Quarter:</p> <ol style="list-style-type: none"> (1) Completed server hardware/system install/setup for mSET and analytics software. (2) Completed vendor server walkthrough. (3) Downloaded software pre-installation files. (4) Ordered backup solution. (5) Configured vehicles and continued testing mSET application/vehicle/network functions. (6) Purchased and installed Location Module. (7) Purchased Face Blurring module setup services. (8) Installed two workstations at North Base and South Base. (9) mSET user training was provided. <p>Next Quarter:</p> <ol style="list-style-type: none"> (1) Install, setup and test mSET application/vehicle/network functions. (2) Deploy two workstations at North Base and South Base. (3) Complete mSET user training. 	\$690,499	\$690,499	\$0	\$690,499	\$301,196	\$389,303	\$690,499	\$0	43.6%	43.6%	03/26/18 / 03/26/18A	06/30/20 / 03/31/21

SamTrans - Major Capital Project - Quarterly Report - Q2 FY2021 October 01, 2020 to December 31, 2020

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Project No.	Project Name	Scope / Issues / Key Activities	Approved Funding	Original Budget	Approved Changes	Current Budget	Expended + Accrual To Date	Estimate to Complete	% Expended of EAC	Variance at Completion	Est. Physical % Complete	Current Baseline / Current Start	Current Baseline / Current Finish	
100247	FY2018 Tech Refresh PM - Ed Kelly	<p>Scope: To facilitate the adoption of new technology to meet changing needs and mitigate the risk of obsolescence of existing technology. This includes a periodic replacement of District system's servers and storage, networking and network equipment such as servers and switches, AC UPS and other appliances that are at the end of its expected service life and will be out of warranty. This proposal will cover procurement as well as professional services for installation, setup and configuration.</p> <p>Issues: None.</p> <p>Key Activities:</p> <p>This Quarter: (1) Continued replacement of District's IT equipment on an as needed basis.</p> <p>Next Quarter: (1) Continue replacement of District's IT equipment on an as needed basis.</p>	\$1,303,476	\$1,303,476	\$0	\$1,303,476	\$601,373	\$702,103	\$1,303,476	\$0	46.1%	07/01/18 / 07/01/18A	12/31/21 / 12/31/21	

SamTrans - Major Capital Project - Quarterly Report - Q2 FY2021 October 01, 2020 to December 31, 2020

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Project No.	Project Name	Scope / Issues / Key Activities	Approved Funding	Original Budget	Approved Changes	Current Budget	Expended + Accrual To Date	Estimate to Complete	Estimate at Completion	Variance at Completion	% Expended of EAC	Est. Physical % Complete	Current Baseline / Current Start	Current Baseline / Current Finish
100348	Upgrade Current District Website PM - J.Lipps	<p>Scope: To complete a website re-design and development that include, design and development, hosting maintenance and support. The District intends to enter into a Professional Services Agreement with the most qualified Consultant, to be the service provider.</p> <p>Issues: None.</p> <p>Key Activities:</p> <p>This Quarter: (1) Met with Vendor and Contractor. (2) Received website research report from vendor.</p> <p>Next Quarter: (1) TBD.</p>	\$600,000	\$600,000	\$0	\$600,000	\$135,286	\$464,712	\$600,000	\$0	22.5%	22.5%	06/01/19 / 06/01/19	03/31/21 / 06/30/21

SamTrans - Major Capital Project - Quarterly Report - Q2 FY2021 October 01, 2020 to December 31, 2020

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100058	Facility Smaller Projects PM - Greg Moyer	<p>Scope: This project will maintain a state of good repair (SOGR) for the District's infrastructure, shops and facilities. This project will maintain continuity of services and sustainability of a pleasant work environment, inclusive of routine maintenance or replacement, e.g. carpets.</p> <p>Issues: None.</p> <p>Key Activities:</p> <p>This Quarter: (1) Performed maintenance or repairs work, as needed.</p> <p>Next Quarter: (1) Continue with maintenance and repairs work, as needed.</p>	\$2,540,000	\$2,540,000	\$0	\$2,540,000	\$954,865	\$1,585,135	\$0	37.6%	37.6%	07/01/19 / 07/01/19A	12/31/21 / 12/31/21

FACILITIES / CONSTRUCTION PROJECTS:

SamTrans - Major Capital Project - Quarterly Report - Q2 FY2021 October 01, 2020 to December 31, 2020

(a)	(b)	(c)	(d)	(e)	(f)	(g) = (e) + (f)	(h)	(i) = (h) - (g)	(j)	(k) = (j) - (i)	(l) = (h) / (j)	(m)	(n)	(o)
Project No.	Project Name	Scope / Issues / Key Activities	Approved Funding	Original Budget	Approved Changes	Current Budget	Expended + Accrual To Date	Estimate to Complete	Estimate at Completion	Variance at Completion	% Expended of EAC	Est. Physical % Complete	Current Baseline / Current Start	Current Baseline / Current Finish
100252	Central Roof Replacement PM - Greg Moyer	<p>Scope: Involves the rehabilitation of the Central office roof, from the east end of the tennis courts to the east side of the building. The roof is a 20+ years old "foam roof", which needs extensive rehabilitation. The current roof allows leaks into the 4th floor of the building, which are contained by garbage cans in heavy rains. The most cost effective approach to rehab the roof will be determined during the design phase. The cost estimate for this project is based on the assumption that this part of the roof will be replaced with a new foam roof. It is also assumed that walkways for foot traffic will also be added to extend the life of the new roof. This proposal does not include rehab of the tennis courts nor the facilities west of the tennis courts. This project would promote the District's goal of a reliable system in a state of good repair.</p> <p>Issues: None.</p> <p>This Quarter: (1) Detailed design await new long-term GEC contracts in April 2021.</p> <p>Next Quarter: (1) Facilities staff to seek additional funding in FY2022 Capital Budget requests. (2) Facilities to review alternate delivery methods that may allow more timely and cost effective completion. (3) Detailed design await new long-term GEC contracts in April 2021.</p> <p>Note: The schedule was rebaselined this period.</p>	\$1,275,000	\$1,275,000	\$0	\$1,275,000	\$8,055	\$1,266,945	\$1,275,000	\$0	0.6%	0.6%	09/01/19 / 09/01/19A	12/31/22 / 12/31/22

SamTrans - Major Capital Project - Quarterly Report - Q2 FY2021 October 01, 2020 to December 31, 2020

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Project No.	Project Name	Scope / Issues / Key Activities	Approved Funding	Original Budget	Approved Changes	Current Budget	Expended + Accrual To Date	Estimate to Complete	Estimate at Completion	Variance at Completion	% Expended of EAC	Est. Physical % Complete	Current Baseline / Current Start	Current Baseline / Current Finish
100255	Traffic Signal Priority Project PM - Robert Tam	<p>Scope: This project will implement Traffic Signal Priority (TSP) technology for SamTrans buses traveling on El Camino Real in San Mateo County (State Highway 82). This will improve transit speed along the corridor by either giving buses early green lights or extending green lights at traffic intersections. SamTrans will build on the existing El Camino Real Smart Corridor Project, implemented by Caltrans and the City/County Association of Governments of San Mateo County (CCAG), and deploy wayside antennas at intersections and transponders aboard buses as the primary TSP-detection technology to provide maximum communication precision.</p> <p>Issues: None.</p> <p>Key Activities:</p> <p>This Quarter:</p> <p>(1) Fixed the issues with the antennas at North Base and South Base.</p> <p>(2) Conducted training on the hardware and software.</p> <p>(3) Continued system testing.</p> <p>(4) Caltrans worked on updating the intersection firmware.</p> <p>Next Quarter:</p> <p>(1) Continue system testing.</p> <p>(2) Have Bus Operations monitor the TSP system.</p> <p>(3) Caltrans to complete modifications to their intersection firmware to log the TSP events.</p>	\$3,907,000	\$3,907,000	\$0	\$3,907,000	\$1,851,803	\$2,055,197	\$3,907,000	\$0	47.4%	72.0%	01/01/18 / 01/01/18A	09/30/21 / 09/30/21

SamTrans - Major Capital Project - Quarterly Report - Q2 FY2021 October 01, 2020 to December 31, 2020

(a)	(b)	(c)	(d)	(e)	(f)	(g) = (e) + (f)	(h)	(i) = (i) - (h)	(j)	(k) = (g) - (j)	(l) = (h) / (j)	(m)	(n)	(o)
Project No.	Project Name	Scope / Issues / Key Activities	Approved Funding	Original Budget	Approved Changes	Current Budget	Expended + Accrual To Date	Estimate to Complete	Estimate at Completion	Variance at Completion	% Expended of EAC	Est. Physical % Complete	Current Baseline / Current Start	Current Baseline / Current Finish
100469	North Base Bus Washer Replacement PM - Jeffrey Thomas	<p>Scope: The scope of this project is to replace the existing North Base bus washer, which was installed in 1995 and has reached the end of its useful life. The existing bus washer will be demolished and removed and the new replacement unit will include: new controls, new motors and pumps, new piping, new brushes and supports, new spray arches and supports, new water recycling equipment. District will reuse select components as best possible — drainage/collection pits, water storage tanks and utility connections within the existing structure. The new unit will use less water, use less soap/chemicals and to recover more gray water and better interface with District's height/width requirements, 3-bike rack capacity and extended mirror assemblies.</p> <p>Issues: None</p> <p>Key Activities:</p> <p>This Quarter:</p> <ol style="list-style-type: none"> (1) Draft Tech Spec's completed and forwarded to Facilities Staff and Bus Maintenance Divisions for review. (2) Reviewed past engineering data for guide rail construction. <p>Next Quarter:</p> <ol style="list-style-type: none"> (1) Facilities Project Engineer (new) to inspect past construction documents and current site conditions. (2) To review potential guide rail design changes and rework. 	\$540,000	\$540,000	\$0	\$540,000	\$2,828	\$537,172	\$540,000	\$0	0.5%	0.5%	08/01/19 / 01/01/20A	12/31/21 / 12/31/21
100470	N & S Base IW Line to Brake Pit Replacement PM - Jeffrey Thomas	<p>Scope: This project will replace the North Base industrial waste (IW) line, which drains the brake pit and fuel island areas of North Base. The IW line is approximately 650 feet in length and discharges into an underground separator tank, which connects to an off-site municipal sewer line. The IW line is currently 4-inch ductile iron pipe and will be replaced with a 6-inch PVC (plastic) pipe. The soil surrounding this pipe will be removed and replaced due to the potential contamination by the fluids carried in the existing pipe.</p> <p>Issues: None</p> <p>Key Activities:</p> <p>This Quarter:</p> <ol style="list-style-type: none"> (1) Construction contract was awarded at the SamTrans Board Meeting. (2) C&P has engaged the contractor in contract execution. (3) Short form agreement issued to General Contractor. <p>Next Quarter:</p> <ol style="list-style-type: none"> (1) C&P to finalize & issue conformed contract to GC. (2) Facilities Project Manager to schedule kickoff/admin meeting with GC and District staff. (3) Facilities staff to begin receipt of GC pre-construction submittals. 	\$780,000	\$780,000	\$0	\$780,000	\$77,777	\$702,223	\$780,000	\$0	10.0%	10.0%	07/01/19 / 12/01/19A	03/31/21 / 05/31/21

SamTrans - Major Capital Project - Quarterly Report - Q2 FY2021 October 01, 2020 to December 31, 2020

(a)	(b)	(c)	(d)	(e)	(f)	(g) = (e) + (f)	(h)	(i) = (i) - (h)	(j)	(k) = (g) - (i)	(l) = (h) / (j)	(m)	(n)	(o)
Project No.	Project Name	Scope / Issues / Key Activities	Approved Funding	Original Budget	Approved Changes	Current Budget	Expended + Accrual To Date	Estimate to Complete	Estimate at Completion	Variance at Completion	% Expended of EAC	Est. Physical % Complete	Current Baseline / Current Start	Current Baseline / Current Finish
100474	South Base Bus Washer Walls Rehab PM - Jeffrey Thomas	<p>Scope: This project will replace the structural walls of the South Base bus washer. Extensive water damage have caused the walls to become unstable and require replacement. Significant sections of the walls will be reconstructed. Also a waterproof membrane will be installed in the walls during reconstruction.</p> <p>Issues: None</p> <p>Key Activities: This Quarter: (1) GEC firm submitted cost proposal for design work and construction specifications. (2) Facilities staff reviewed GEC's proposal and found it fair & reasonable. (3) Site inspection and preliminary design work is in progress by General Engineering.</p> <p>Next Quarter: (1) Initial design review shall be conducted with District and GEC. (2) GEC to proceed with final design and cost estimated once District has confirmed plans to date.</p>	\$350,000	\$350,000	\$0	\$350,000	\$2,828	\$347,172	\$350,000	\$0	0.8%	0.8%	07/01/19 / 08/01/20	12/31/21 / 12/31/21
100511	South Base Natural Gas Line Replacement PM - Jeffrey Thomas	<p>Scope: This project will replace the existing natural gas distribution system at South Base. The existing gas distribution system has been leaking and localized repairs have been completed but the gas system is to a point where total replacement is necessary to fully operate the South Base Bus Maintenance Building. The project includes on-call General Engineering Contractors (GEC's) to provide 35%, 65%, 95%, and 100% plans, specifications, and drawings (PS&E), bid support and design support during construction and construction.</p> <p>Issues: None</p> <p>Key Activities: This Quarter: (1) Work completed 8/1/2020; Notice of Completion in progress.</p> <p>Next Quarter: (1) Continue follow-up with County Recorder's Office to record notice.</p>	\$1,070,000	\$1,070,000	\$0	\$1,070,000	\$465,073	\$604,927	\$1,070,000	\$0	43.5%	43.5%	11/01/19 / 05/26/20A	11/22/20 / 11/22/20

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**San Mateo County Transit District
Fiscal Year 2019 Capital Budget - Amendment 2**

Budget Item	Project No.	Description	Current Years Budget	Previous Budget	Total Project Budget
<u>Revenue Vehicle Support</u>					
1.1	021502	Major bus components (FY18 & FY19)	1,173,200	4,841,436	6,014,636
1.2	100354	MB-2000 bus simulator system	310,000	-	310,000
1.3	100352	ADA self evaluation plan	200,000		200,000
1.4	100353	Maintenance support equipment	94,185		94,185
		S/T	1,777,385	4,841,436	6,618,821
<u>Non-Revenue Vehicle Support</u>					
2.1	100360	Purchase 4 non-revenue support vehicles	847,311		847,311
		S/T	847,311	-	847,311
<u>Information Technology</u>					
3.1	021505	Tech Refresh (FY 15, 16, 17, 19)	2,500,000	4,579,000	7,079,000
3.2	100348	Upgrade current District website	600,000	-	600,000
		S/T	3,100,000	4,579,000	7,679,000
<u>Planning/Development</u>					
4.1		Capital program & project development	250,000	234,430	484,430
4.2		Capital program management	250,000	75,000	325,000
4.3		US 101 mobility action plan	250,000		250,000
		S/T	750,000	309,430	1,059,430
<u>Facilities/Construction</u>					
5.1	021507	Facilities smaller projects (FY17, FY18 & FY19)	570,000	695,264	1,265,264
5.2	100349	Facilities engineering smaller projects	530,000	-	530,000
5.3	100350	Central Office Sanitary Sewer Pumps Replacement	350,000		350,000
5.4	100351	Central Boiler Replacement	80,000		80,000
5.5	100253	Linda park-n-ride repaving - COMPLETE	200,000	700,000	900,000
		S/T	1,730,000	1,395,264	3,125,264
<u>Other</u>					
6.1		Contingency	200,000	-	200,000
		S/T	200,000	-	200,000
Total FY2019 Budget			8,404,696	11,125,130	19,529,826

Fiscal Year 2020 Capital Budget - Amendment 1

Budget Item	Project No.	Description	Current Years		Previous		Total Project	
			Budget	Budget	Budget	Budget	Budget	Budget
<u>Revenue Vehicle Support</u>								
1.1	021502	Major Bus Components (FY18, FY19 & FY20)	592,000	6,014,636	6,014,636	6,606,636		
1.2	100460	Replacement of (14) Revenue Paratransit Vans	956,480			956,480		
1.3	100461	Replacement of (13) Revenue Paratransit Cutaway	1,732,640			1,732,640		
1.4	100353	Maintenance support equipment	100,835	94,185		195,020		
		S/T	3,381,955	6,108,821		9,490,776		
<u>Non-Revenue Vehicle Support</u>								
2.1	100462	Replacement Non-Rev Service Support Vehicles	164,000			164,000		
		S/T	164,000			164,000		
<u>Information Technology</u>								
3.1	100463	Spears System Improvements	150,000			150,000		
3.2	100477	Intranet Solution Replacement	350,000			350,000		
		S/T	500,000			500,000		
<u>Planning/Development</u>								
4.1	100464	Capital Program and Project Development	250,000			250,000		
		S/T	250,000			250,000		
<u>Safety and Security</u>								
5.1	100465	CCTV Network Improvement	150,000			150,000		
		S/T	150,000			150,000		

Fiscal Year 2020 Capital Budget (Cont)

Budget Item	Project No.	Description	Current Years Budget	Previous Budget	Total Project Budget
<u>Facilities/Construction</u>					
6.1	100058	Facilities Smaller Projects	1,110,000		1,110,000
6.2	100252	Central Building Roof Replacement (FY18 & FY20)	800,000	475,000	1,275,000
6.3	100466	North and South Base Employee Areas	520,000		520,000
6.4	100467	North and South Base Bus Parking Area Restriping	258,000		258,000
6.5	100468	North and South Base Vacuum Replacement Design	150,000		150,000
6.6	100469	North Base Bus Washer Replacement	540,000		540,000
6.7	100470	North & South Base IW Line to Brake Pit Replacement	780,000		780,000
6.8	100474	South Base Bus Washer Walls Rehab	350,000		350,000
6.9	100471	60' Aerial Lift Apparatus	70,000		70,000
6.10	100475	ADA Study & Phase 1 Retrofits	1,225,000		1,225,000
6.11	100476	North and South Base Exterior Painting	1,140,000		1,140,000
6.12	100472	Central Building	750,000		750,000
6.13	100473	Central Building Refresh	1,849,200		1,849,200
6.14	100511	South Base Natural Gas Line Replacement	1,070,000		1,070,000
			S/T	475,000	11,087,200
<u>Other</u>					
7.1	021214	Contingency	250,000	-	250,000
			S/T	-	250,000
			Total FY2020 Budget		21,891,976
			15,308,155	6,583,821	21,891,976

**San Mateo County Transit District
Fiscal Year 2021 Capital Budget - Amendment 1**

Budget Item	Project No.	Description	Current Years Budget	Previous Years Budget	Total Project Budget
<u>Revenue Vehicle Support</u>					
1.1	021502	Major Bus Components (FY18, FY19, FY20 & FY21)	720,700	6,606,636	7,327,336
1.4	100353	Maintenance support equipment	230,800	195,020	425,820
		S/T	951,500	6,801,656	7,753,156
<u>Non-Revenue Vehicle Support</u>					
2.1	100549	Replace Non-Rev Service Support Vehicles	116,500	-	116,500
		S/T	116,500	-	116,500
<u>Information Technology</u>					
3.1	100546	Automating Daily Dispatching, Bid, Scheduling & Hastus in the Cloud	1,750,424	-	1,750,424
3.2	100537	ITS PADS signs upgrade project from 3G to 4G Technology	75,000	-	75,000
3.3	100534	Onboard Wi-Fi equipment retrofit for 225 buses	1,572,180	-	1,572,180
3.4	100477	Intranet Solution Replacement	131,000	350,000	481,000
		S/T	3,528,604	350,000	3,878,604
<u>Planning/Development</u>					
4.1	100058	Facilities Smaller Projects	1,430,000	1,110,000	2,540,000
4.2	100547	South Base Switchgear Replacement	1,000,000	-	1,000,000
4.3	100469	North Base Bus Washer Replacement	395,000	540,000	935,000
4.4	100538	North and South Base Front Entrance Modifications	165,000	-	165,000
4.5	100548	North Base 200 Operations Building Replacement	1,000,000	-	1,000,000
4.6	100539	South Base Pico Blvd Property	3,061,918	-	3,061,918
		S/T	7,051,918	1,650,000	8,701,918
<u>Safety and Security</u>					
5.1		Contingency	250,000	-	250,000
		S/T	250,000	-	250,000
		Total FY2021 Budget	11,898,522	8,801,656	20,700,178

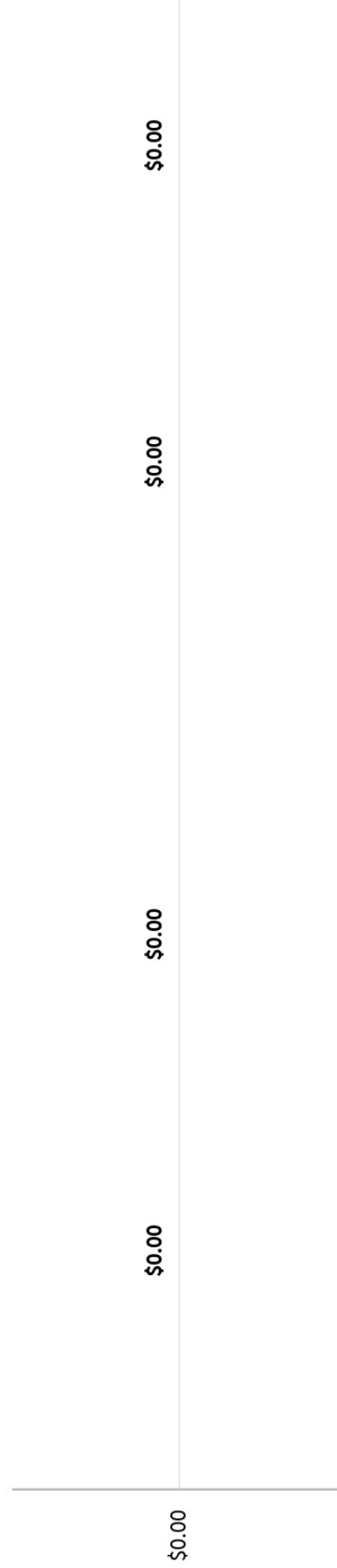
SamTrans : Disadvantaged Business Enterprise (DBE)

Quarterly Status Report:

- The SamTrans overall DBE goal is 3%.
- There were zero federal awards for the first quarter of the fiscal year.
- SamTrans had zero percent (0%) DBE utilization for the year to date.

FFY21 Q1: October 01, 2020 to December 31, 2020

● DBE \$ ● Contract \$



Year to Date

Q1

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Definition of Terms

Approved Changes – Changes to the original budget and/or transfers of budget from one segment code to another that have been approved by management and/or by the SamTrans Board of Directors.

Approved Funding – The amount of funding that has been approved by the SMCTD Board for the execution of the project.

Current Budget – The current budget reflects the original budget plus approved changes or internal budget transfers which has been approved by the program manager and/or the project manager.

Expended % of EAC – This is the % of Money Spent (Not Physical Progress) as compare to the EAC.

Estimate at Completion (EAC) – The forecasted final cost of the project.

Estimate to Complete – Forecast of the cost to complete the remaining work, including anticipated and pending changes.

Estimated Physical % Complete – An estimation of the physical work completed as compared to the budgeted work expressed in %.

Expended + Accrual to Date – The cumulative project costs that have been recorded through the current reporting period in PeopleSoft + accrual cost of the work performed that has not been recorded in PeopleSoft.

Issues – Exceptions / concerns as identified for information or further actions.

Key Activities - Identifies key activities being undertaken for the project for the current month and identifies the work anticipated for the next month.

Original Budget – Budget as originally approved by senior management for execution of the approved scope of work.

Original Start / Current Start – The original planned start date and the current or actual start date of the project.

Original Finish / Current Finish – The original planned completion date and the current forecasted completion date of the project.

Scope - A concise description of the work elements to be performed and delivered by the project.

Variance at Completion (VAC) – Difference between the Current Budget and the Estimate at Completion. A positive value reflects potential underrun, whereas a negative amount indicates possible overrun.



Performance Status (Traffic Light) Criteria

SECTIONS	On Target (GREEN)	Moderate Risk (YELLOW)	High Risk (RED)
1. SCOPE	<p>(a) Scope is consistent with Budget or Funding.</p> <p>(b) Scope is consistent with other projects.</p> <p>(c) Scope change has been mitigated.</p>	<p>(a) Scope is NOT consistent with Budget or Funding.</p> <p>(b) Scope appears to be in conflict with another project.</p> <p>(c) Scope changes have been proposed.</p> <p>(d) Current Budget forecast exceeds the current approved budget by 5% to 10%.</p>	<p>(a) Significant scope changes / significant deviations from the original plan.</p> <p>(b) Current Budget forecast exceeds current approved budget by more than 10%.</p>
2. BUDGET	<p>(a) Estimate at Completion forecast is within plus /minus 5% of the Current Approved Budget.</p>	<p>(a) Estimate at Completion forecast exceeds Current Approved Budget between 5% to 10%.</p>	<p>(a) Estimate at Completion forecast exceeds Current Approved Budget by more than 10%.</p>
3. SCHEDULE	<p>(a) Project milestones / critical path are within plus/minus four months of the current baseline schedule.</p> <p>(b) Physical progress during the report period is consistent with incurred expenditures.</p> <p>(c) Schedule has been defined.</p>	<p>(a) Project milestones / critical path show slippage. Project is more than four to six months behind the current baseline schedule.</p> <p>(b) No physical progress during the report period, but expenditures have been incurred.</p> <p>(c) Detailed baseline schedule NOT finalized.</p>	<p>(a) Forecast project completion date is later than the current baseline scheduled completion date by more than six months.</p>
4. FUNDING	<p>(a) Expenditure is consistent with Available Funding.</p>	<p>(a) Expenditure reaches 80% of <u>Available Funding</u>, where remaining funding is NOT yet available.</p>	<p>(a) Expenditure reaches 90% of <u>Available Funding</u>, where remaining funding is NOT yet available.</p>
	<p>(b) All funding has been secured or available for scheduled work.</p>	<p>(b) NOT all funding is secured or available for scheduled work.</p>	<p>(b) No funding is secured or available for scheduled work.</p>

Note: Schedule variance for (a) Purchase of maintenance equipment; (b) Purchase of major bus components; (c) Maintenance of facilities; and (d) Upgrading of computer systems will not be monitored, as schedules for these types of projects are only a reflection of the year that funding has been allocated.