

Transmittal

CS Transmittal No. 2617

To: Bernardo Bustamante Federal Transit Administration San Francisco Federal Building 90 7th Street, Suite 15-300 San Francisco, CA 94103-6701	From: Nadeem Tahir M544.1, CSP	Project No./Contract No.:
Date: October 27, 2021	Task No./Title: Cost/Schedule Management	Project Phase: Construction
	Subject: Quarterly Progress Report September 2021	

Sent via:	<input type="checkbox"/> mail	<input type="checkbox"/> overnight	<input type="checkbox"/> messenger	<input type="checkbox"/> hand-delivered
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Item No.	Copies	Description	Rev. No.	Date
1	1	Quarterly Progress Report (September 2021)	1	10/27/2021

If enclosures are not as noted, kindly notify us at once.

Remarks: This Quarterly Progress Report includes cost and schedule details as appendices.

Nadeem Tahir

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Program Director
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CS File No. M544.1.5.0340.b

central subway

A Major Accomplishment



Quarterly Progress Report

September



SFMTA

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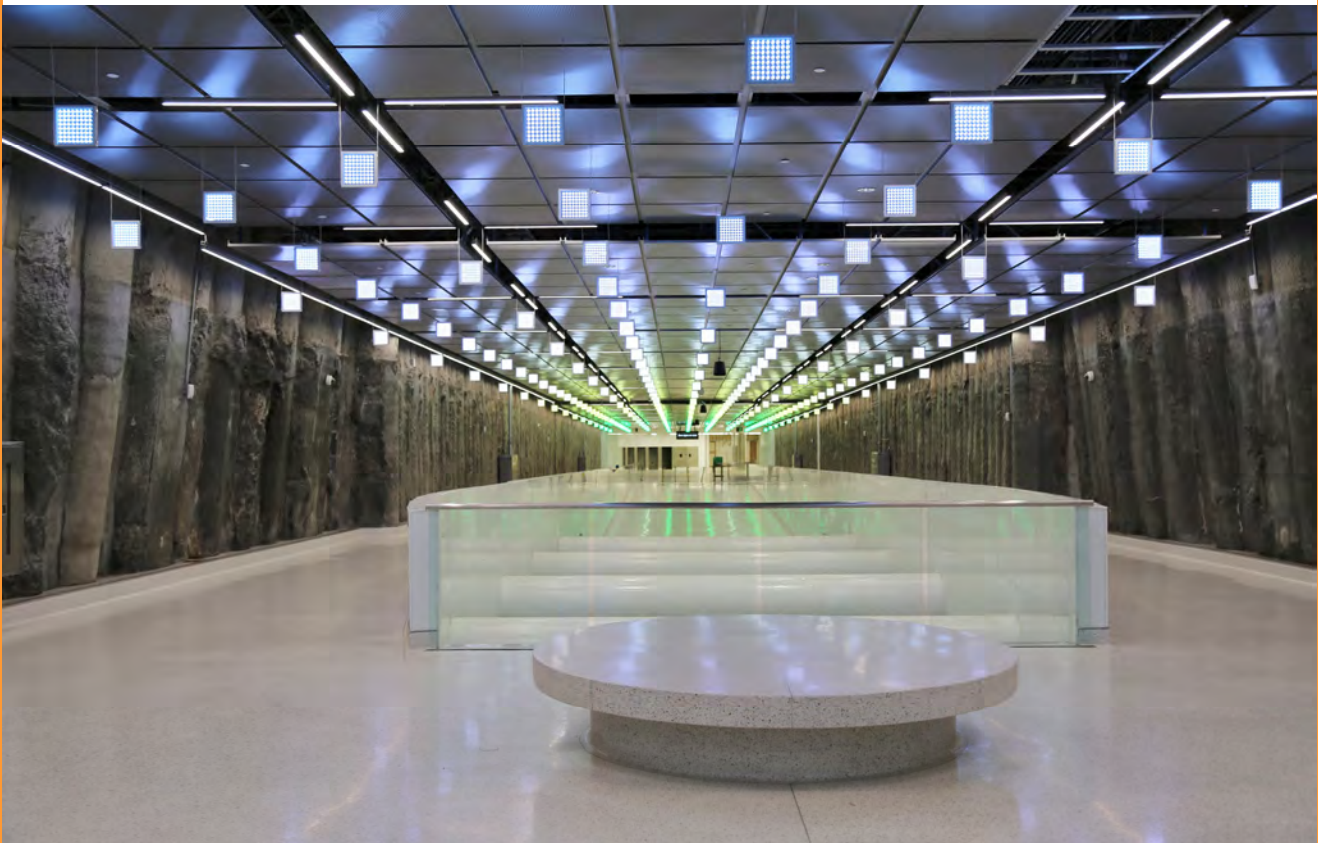
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Cover photo: Group photo from Mayor's visit

Above photo: UMS concourse with the ceiling light art on

See the Appendix E final page for CS websites hyperlinks and public outreach on line resources. The Project main web site is at: <http://www.centalsubwaysf.com/>



YBM concourse Granite Art

Executive Summary

Coronavirus Pandemic (COVID 19) - On March 17, 2020, the Mayor and the City's Health Office issued a Public Health Order to "Shelter-In-Place" in response to the COVID-19 pandemic. The City's Health Office continues to adjust these restrictions with changing conditions including the current Delta variant of COVID which requires the City to adjust some guidelines for indoor activities. As COVID conditions improve, the City's Health Office is adjusting certain guidelines related to masking and distancing for indoor and outdoor activities. Construction of the Central Subway project continues to progress, and Construction Management team continues to monitor impact of the COVID restrictions on project schedule. No cases were reported for this month. The Contractor continues to follow the required protocol to maintain the safety of the work force. The project continues to progress towards substantial completion and startup and testing. Train testing continues as the project move forward with startup and testing requirement. The project has worked with our funding partners and has issued a revised Full Funding Grant Agreement requesting extension to the Revenue Service Date (RSD). While the COVID restrictions have been adjusted, the project team continues to have essential project staff on site to ensure safety of the staff and allow other staff to telecommute. With improving COVID conditions, the City will allow their staff to return to the office in early November which includes project staff. (For additional discussion, please see Safety and Security section on pg. 32).

Chinatown Station - Completed plumbing installation at Plaza level. Continued testing Elevators and Escalators. Continued Security System Testing. Continued train testing at crossover and train platform. Continued street work (minor), ongoing monitoring and surveying.

Union Square/Market Street Station - Begin puff test for FM-200 system. Continued cleaning Escalator and complete Elevator testing. Continue installation of handrail and station wide wifi system. Continued fireproofing gap breaker room. Complete installation of cables for emergency telephones.

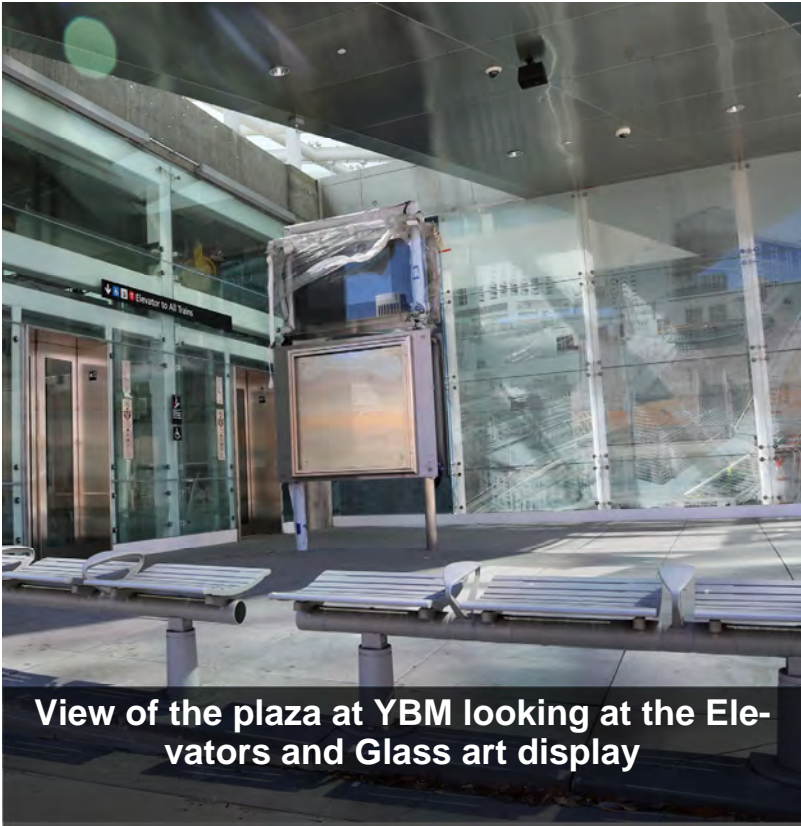
Yerba Buena/Moscone Station - Complete Traction Power Gear and SACA testing. Complete CCTV testing for Elevators. Complete terminating wire for blue light emergency phones. Complete Elevator and Escalator functionality tests. Complete room pressure tests. Complete installing signage and sculptures.

Surface, Track and Systems— Continued streetlighting and trolley OCS installation. Continued installation of ATCS and radio system testing. Continued 4th/Brannan platform construction. Continued pulling blue light cables in tunnels and stations.

Total net incurred costs for the project are \$1,855.17 million. The total cost to date has not exceeded the total project budget of \$1.877 billion. The project continues to review the overall cost. The current Estimate at Completion (EAC) is projected to be \$1.891B or \$313M above the original budget of \$1.578B. The project shows a forecast Revenue Service Date of Spring 2022. (For additional discussion, please see Costs and Schedule on pg.7)

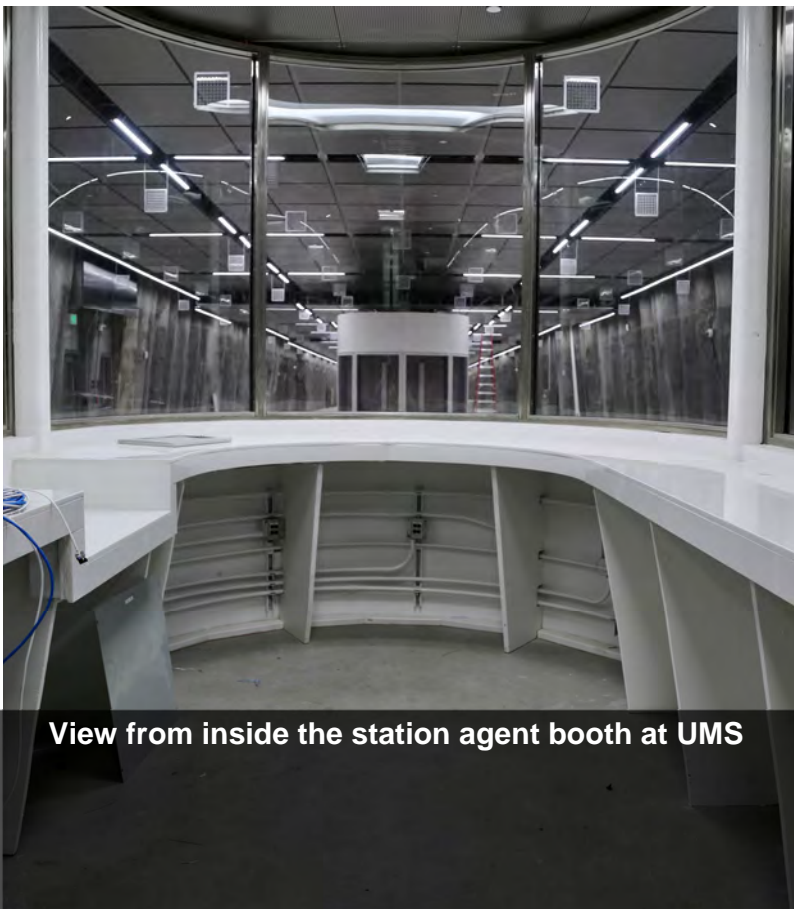
The Stations Contractors' Safety Reports should show any accidents that may occur during the current month. The rates of work site accident incidents by the man hours worked continue to be below industry standards - see tables on page 34.

Key Milestones



View of the plaza at YBM looking at the Elevators and Glass art display

MILESTONE	DATE EXPECTED
General	
Revenue Service	Spring 2022
Contract 1300 Stations, Surface, Track, Systems	
Notice to Proceed (NTP 1)	June 17, 2013 (A)
Notice to Proceed (NTP 2)	February 12, 2014 (A)
Substantial Completion	Spring 2021



View from inside the station agent booth at UMS



Entrance to the China town station

Costs and Schedule

Costs (See Appendix A for Details)

The revised Cost Estimate (CCE) for the Central Subway Project is \$1.855 billion in year of expenditure dollars (\$YOE). The project continues to work with our funding partners to address the current funding issues. Currently, the project estimates the Estimate at Completion (EAC) to be \$1.891B or \$313M above the original budget of \$1.578B. These revised estimates have been shared with our board and funding partners. Based on the additional funding requirement, the project has received additional \$299M from capital contingency funds.

The project will continue to work with Finance and Grants to secure the remaining funds and to book the remaining funds as they are identified and become available to the program. Total net incurred costs for the project are \$1,855.17million. The cost to date figure reflects expenditures through FAMIS 786 Report (\$1,855.53 million) plus the utilities joint trench Form B Reimbursement payment (\$12.51 million), invoices currently being processed (\$10.16 million) and estimates of outstanding pay requests credits of (\$22.99 million). The revised total project budget is \$1.877 billion due to additional local funds received.

The current funding level to date has already been fully met which includes excess local funds consisting of Operating funds of \$71,600,000 appropriated in April 2021. The original total project budget of \$1.578 billion has already completed its original funding of the program in July 2020. The project team will continue to work with our financial partners to ensure that impacts to the project are minimized and the additional funds are secured.

Earned Value Analysis

In September 2021 Report, the Preliminary Earned Value Analysis reports is based on the SFMTA September Schedule Update. The Planned Value, Earned Value, Actual Cost, Percent Complete and resulting indexes as follows:

Preliminary September Earned Value

Overall Budgeted Cost:	\$1,877,153,762
Planned Value:	\$1,593,491,019
Earned Value:	\$1,499,768,690
Actual Cost:	\$1,855,168,951
Schedule Performance Index (SPI):	0.94
Cost Performance Index (CPI):	0.81
Percent Complete:	94.0%

*September 2021 Notice: The City continues to experience problems that were caused by error and inaccuracy from the transition from FAMIS to Financial System Project (FSP). An updated methodology has been implemented within the financial reporting that will provide more accurate figures for transactions occurring in fiscal year 2021.

As we continue to address these data quality problems through data cleaning, you will continue to see monthly fluctuations as we detect and remove errors and inconsistencies from data in order to improve on the quality of data so that we will be able to report accurate data.

Schedule Highlights

The Master Project Schedule (MPS) below includes progress through September 2021. The September 2021 Schedule Update submittal from Contract 1300 Contractor was not submitted as the CN1300 Contractor has not provided the updated corrections to their June 2017, through July 2018 Schedule Updates. The Contract 1300 schedule represented in this report is based on the SFMTA September 2021 Schedule Update.

The MPS shows a forecast Revenue Service Date of Spring 2022 based on a revised assessment of the overall schedule and the current project conditions related to work efficiency due to COVID. The revised Revenue Service Date of Spring 2022 has been shared with our funding partners and a revised request to extend the Full Funding Grant Agreement with the revised date has been submitted to Federal Transit Administration (FTA) for approval. The project continues to evaluate this date with potential impact from COVID restrictions. The schedule team is assessing the risk with these issues and identifying potential mitigation to reduce the risk to the overall schedule.

Currently we are experiencing day-to-day delays caused by TPC's electrical work in the tunnel impacted by lack of resources. These issues have impacted TPC's Substantial Completion date, we have mitigated the delay by accelerating rail activation activities. TPC and SFMTA are working to reach scope and cost agreements for these contract modifications as TPC refuses to commence work without an approved Contract Modification. The controlling critical (longest) path of the MPS runs through the electrical activities within the tunnel which are impacting the TPC's Startup and Testing and subsequently the rail activation process. The latest schedule shows the longest path running through the Surface, Tracks and Systems (STS).

SFMTA continues to meet with Contractor to discuss all schedule concerns and comments. TPC has not been able to correctly staff the project which could potentially delay the project. In order to achieve the Baseline work productivity, TPC needs to increase the number of crews assigned to electrical work, allowing concurrent work within the tunnel and stations in order to make this completion date possible. It also requires that the front-end portion of ATCS Startup and Testing is performed concurrently with TPC's Startup and Testing followed by ATCS software testing in coordination with SFMTA Operations.

Contract 1300 Contractor submitted fifty-four (54) Schedule Updates from December 2014 to July 2019. SFMTA rejected twenty-eight (28) Schedule Updates from January 2016 to May 2016 and June 2016 to July 2018 due to multiple and repetitive issues that vary from incorrect working sequences to unrealistic forecasted completion dates to artificially steering the schedule longest path through certain portions of the project. SFMTA approved as noted December 2014 through December 2015, and May 2016 Schedule Updates. Contractor has been directed to provide a Revised Schedule as required by the overall settlement agreement to maintain the forecasted project completion.

Contract 1300 - WP1253 UMS / WP1254R CTS / WP1255 YBM / WP1256 STS:

The Contractor, Tutor Perini Corporation's (TPC) baseline schedule is incorporated into the master program schedule. The preliminary SFMTA Contract 1300 September 2021 schedule is used within the September Report. The SFMTA Contract 1300 September 2021 schedule is based on the approved baseline schedule logic with adjustments made as mentioned above. The SFMTA will continue to use the SFMTA Contract 1300 schedule update as a forecasting tool going forward until the Contract 1300 Contractor submits an acceptable schedule that addresses all of SFMTA scheduling concerns.

Schedule Highlights - Continued

Work Package P-1254R (CTS) has performed the following work this month:

- Completed plumbing installation at Plaza level
- Continued testing Elevators 1, 2, 3, and 4
- Continued testing Escalators 1, 2, 3, 4, 5, and 6
- Continued Security System Testing
- Continued train testing at Crossover Cavern and Train Platform
- Contractor continued closing out internal punch list items
- Main Electrical room switchgear water damaged. Retesting/recertification plan being developed. NCN letter transmitted to Contractor.
- Continued street work (minor), ongoing monitoring and surveying

Work Package P-1253 (UMS) has performed the following work this month:

- Begin puff test for FM-200 system
- Continued cleaning Escalator 1, 2, 3
- Start-Up process for water mitigation issue
- Installation of handrail at platform level stairs
- Installation of station-wide Wi-Fi system
- Continued yellow casing for emergency telephone system
- Continued and finished fire proofing in gap breaker room
- Continued and finished cleaning Elevator 1 hoistway components
- Complete elevator 1,2 &3 testing
- Complete installation of Cables for emergency telephones

Work Package P-1255 (YBM) has performed the following work this month:

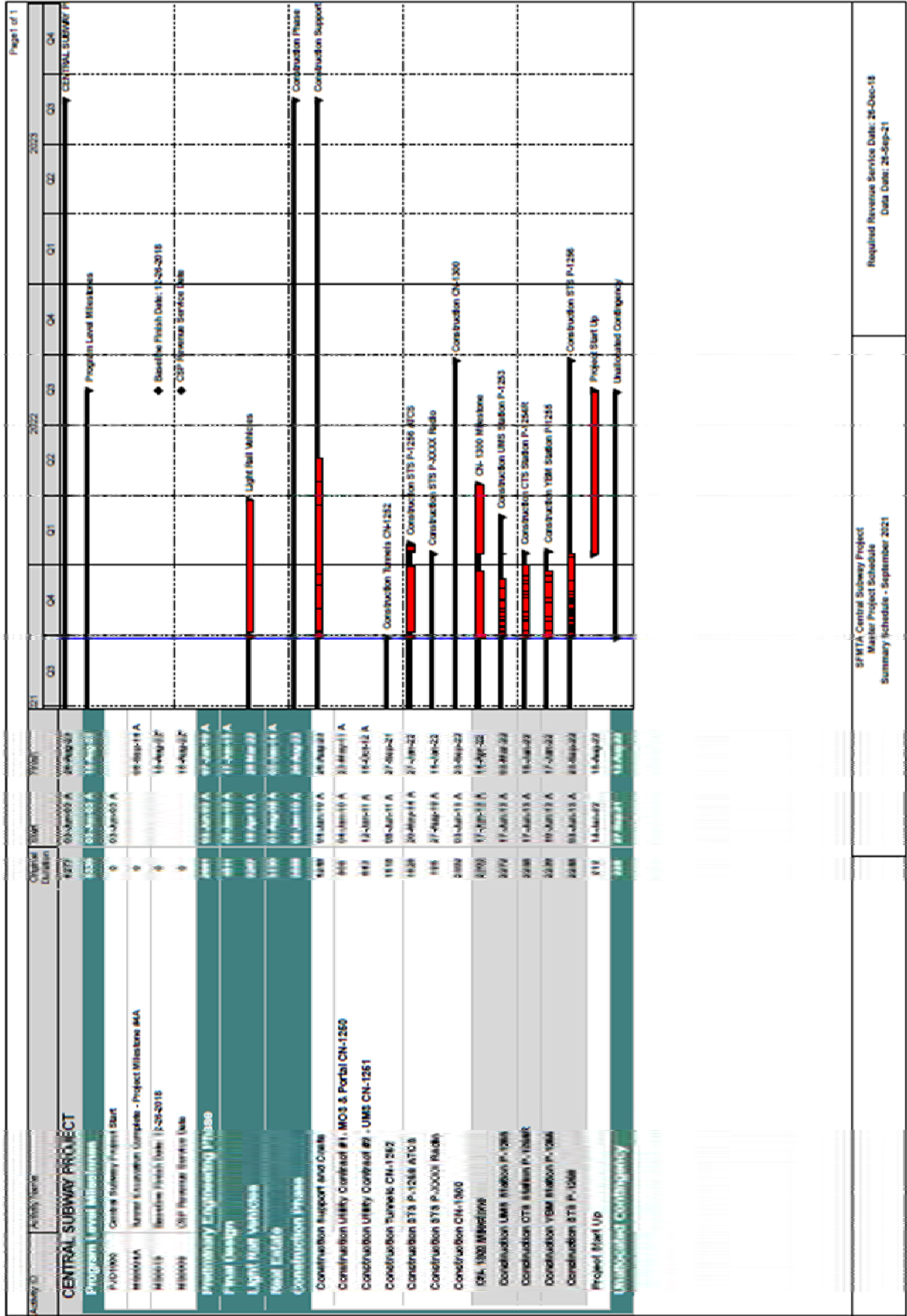
- Continued resolving final issues in preparation for TP energization
- Completed work on resolving water leak issue on stab-up conduits going through Platform to Invert level
- Continued escalator cleaning for Escalator 1 and 2

Schedule Highlights - Continued

Work Package P-1256 (STS) has performed the following work this month:

- Continued 4th/Brannan platform construction
- Continued streetlighting installation
- Continued trolley OCS installation on 4th Street
- Installed new foundations and OCS poles on Brannan St.
- Continued pulling blue light cables in tunnels and stations
- Continued installation of cable trays and brackets for negative jumpers to tracks at various station platform areas
- Continued OCS, track and miscellaneous punch list work
- Continued ATCS and radio system testing

Master Project Schedule





4th and Brannon signage and lighting

Contracts & Construction

Construction Contracts In Progress

Contract 1300: Combined Work Packages 1253, 1254, 1255, 1256

- Contractor: Tutor - Perini Corporation
- Amount: \$1,144.21 million
- Contract Status: 96.6% completed construction

Contracts Completed

[See Appendix D](#)

Contract 1250: Moscone Station and Portal Utilities Relocation

Contract 1251: Union Square/Market Street Station Utility Relocation

Contract 1277: Pagoda Theater Site Demolition (Funded separately from the CS Project budget)

Contract 1252: Central Subway Tunneling

Contract SBE Participation (Updated Quarterly)

[See Appendix E](#)

Stations, Surface, Track and Systems

Contract 1300 Contractor: Tutor-Perini Corporation

Description of Work

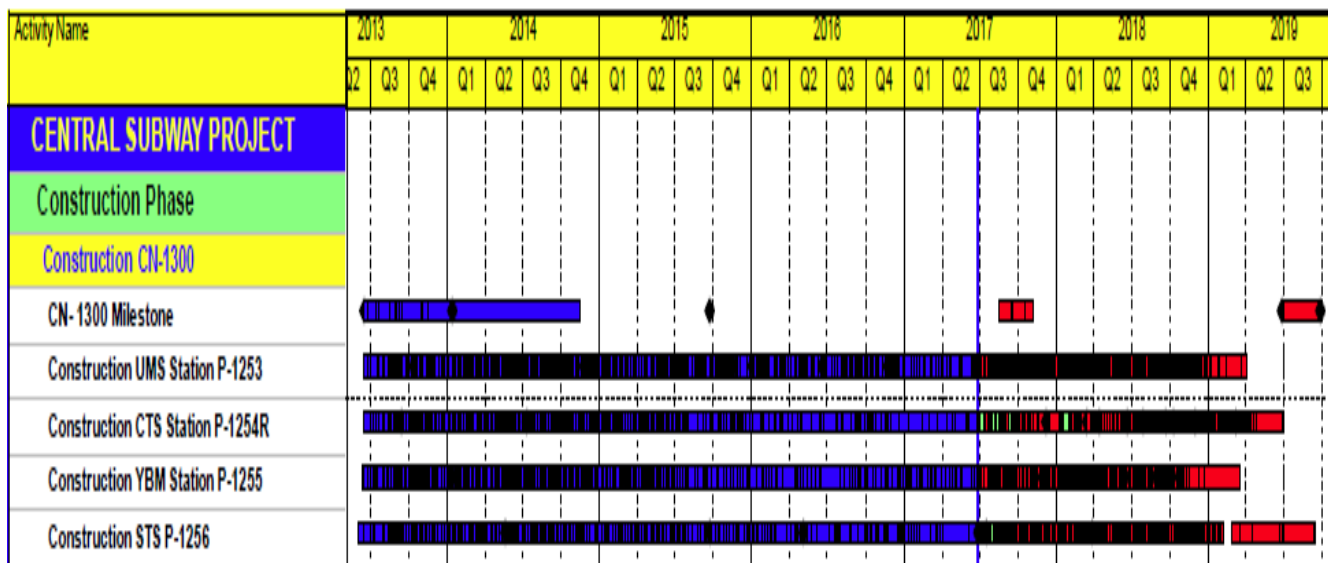
The Contract 1300 scope is to construct the Central Subway's three subway stations, one surface station, construct the 2,000 feet of surface track, and install track and operating systems throughout the new alignment. The separate station and systems work packages are presented in the following pages.

Work includes station finishes, AC and DC substations, elevators, escalators, lighting, emergency ventilation fans, HVAC fire alarm/ suppression/ protection, Cutter Soil Mixing, secant pile bottom up and Sequential Excavation Method construction, settlement monitoring, building protection, connecting to and modifying the BART Powell Street Station, PA, CCTV, signage, installation of fare collection equipment and station start-up and commissioning.

Contract Details	
Contract Awarded:	May 21, 2013
Notice to Proceed:	June 17, 2013
Substantial Completion:	Spring 2021
Contract Award Value:	\$839,676,400
Modifications to Date (\$):	\$304,537,299
Modifications to Date (Days):	1,052
Current Contract Value:	\$1,144,213,699

Budget/Expenditures▲	
Current Budget	\$1,130,545,999
Other Project Offset Credits	\$12,483,280
Expenditures to Date	\$1,125,646,029

1300 Summary Schedule



Chinatown Station

Contract 1300 - Work Package 1254R

Description of Work

This Work Package is to construct one subway station. Includes station finishes, AC and DC Traction Power substations elevators, escalators, lighting, emergency ventilation fans, HVAC fire alarm/ suppression/ protection, slurry wall top-down construction, settlement monitoring, building protection, PA, CCTV, signage, installation of fare collection equipment and station start-up and commissioning.



Current Work Status

- Completed plumbing installation at Plaza level
- Continued testing Elevators 1, 2, 3, and 4
- Continued testing Escalators 1, 2, 3, 4, 5, and 6
- Continued Security System Testing
- Continued train testing at Crossover Cavern and Train Platform
- Contractor continued closing out internal punch list items
- Main Electrical room switchgear water damaged. Retesting/recertification plan being developed. NCN letter transmitted to Contractor
- Continued street work (minor), ongoing monitoring and surveying

Work Expected Next Month

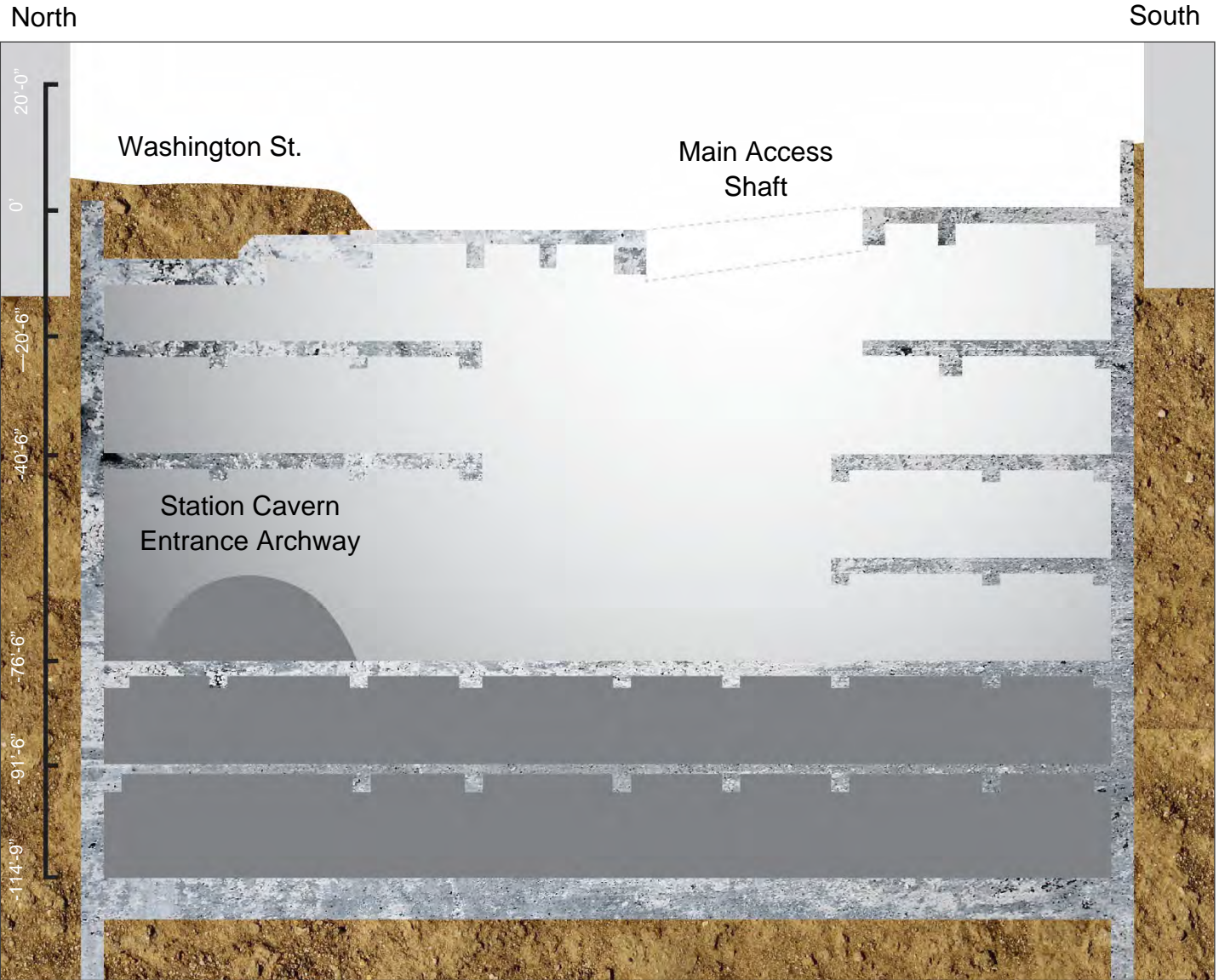
- Complete testing Elevators 1, 2, 3 and 4
- Complete testing Escalators 1, 2, 3, 4, 5 and 6
- Cubic to install ticket vending machines and faregates
- Complete Security System Testing
- Complete Access Control System Testing

- Complete Fire Alarm System Testing
- Complete HVAC System Testing
- Continue cavern grouting to embed waterproof membrane
- Continue street work (minor), ongoing monitoring and surveying

Three Month Look Ahead

- Abandon dewatering wells on Stockton Street
- Install street traffic signal pole, pullboxes, and control box at intersection of Stockton/Washington
- Complete cavern grouting to embed waterproof membrane
- Complete installing GFRC panels at Plaza level
- Complete safety certification checklist field items
- Obtain SFDBI final sign offs
- Obtain SFFD final sign offs
- Obtain Cal OSHA certifications
- Begin artwork installation
- Complete Systems Start up and Acceptance Testing

Station Construction Progress Section



Chinatown Station Construction Status - Continued

Contract Details		Budget/Expenditures ▾	
Contract Awarded:	May 21, 2013	Current Budget	\$392,247,198
Notice to Proceed:	June 17, 2013	Other Project Offset Credits	\$9,435,183
Substantial Completion:	Spring 2021	Expenditures to Date	\$388,701,697
Contract Award Value:	\$247,567,810		
Modifications to Date (\$):	\$157,097,034		
Modifications to Date (Days):	1,052		
Current Contract Value:	\$404,664,844		

CTS Three Month Schedule

Activity ID	Activity Name	2021				2022		
		Sep	Oct	Nov	Dec	Jan	Feb	Mar
Construction CTS Station P-1254R								
Administrative / Milestones								
Site Work / Utility Relocation								
Demolition								
Mechanical								
Entrance Roof Level								
Upper Mezz Level								
Lower Mezz Level								
CTS.26.05.565	CTS_LM 13 - Elevator Closet: Install - Elevator Controller							
Under Platform Level								
CTS.23.88.512	CTS_UP 04 - Emerg Fan Rm: Install - Tunnel Ventilation Fans (3 each)							
Misc Metal								
Electrical								
Lower Mezz Level								
Concourse Level								
Platform Level								
CTS.26.50.230	CTS_PL 06 - Stair 5A: Install - Hang Light Fixtures & Terminate							
CTS.26.50.180	CTS_PL 09 - Aux Comm Rm: Install - Conduit & Devices For Lighting							
CTS.34.05.140	CTS_PL_Install Conduit NB Positive Feeder Box P003 to P009 (Traction Power)							
CTS.28.31.132	CTS_PL 17 - Corridor - Install - Fire Alarm Clean Agent Control Panel							
CTS.34.05.150	CTS_PL_Install Conduit NB Positive Feeder Box P004 to P010 (Traction Power)							
CTS.28.31.133	CTS_PL 17 - Corridor - Install - Fire Alarm Preaction Cabinet							
CTS.26.24.270	CTS_PL 03 - Aux Elect Rm: Terminations - Panelboard E5NH (Emerg Lig Stair 4)							
Under Platform Level								
CTS.26.50.145	CTS_UP 03 - Stair 6: Hang Light Fixtures & Terminate							
CTS.26.05.420	CTS_UP 01 - Sump Pump Rm: Pull Wire & Set Receptacles							
Architectural Finishes								
Conveyances								
Concourse Level								
CTS.14.31.505	Startup & Inspect Escalators 3&4 (Concourse to Upper Mezz)							
CTS.14.21.385	CTS_CN 03 Install Traction Elevator #4 (Concourse Level to Surface)							
Platform Level								
CTS.14.24.295	CTS-PL 05: Inspections - Elevators 1&2							
CTS.14.24.285	CTS-PL 05: Startup & Test Elevators 1&2							
CTS.14.21.245	Install Traction Elevator #3 (Platform Level to Surface)							
Startup & Testing								
Upper Mezz Level								
Lower Mezz Level								
Concourse Level								
Platform Level								
CTS PL - 20	CTS_PL - Pre-Revenue Punchlist Corrections							

Union Square/Market Street Station

Contract 1300 Work Package 1253

Description of Work

This Work Package is to construct one subway station and perform related street work. Includes station finishes, AC and DC traction power, substations elevators, escalators, lighting, emergency ventilation fans, HVAC fire alarm/ suppression/ protection, slurry wall top-down construction, settlement monitoring, building protection, PA, CCTV, signage, installation of fare collection equipment and station start-up and commissioning. This work package also involves reconstruction Street work which includes Geary St, O'Farrell St, Ellis Street and Stockton street from Post Street to the intersection of 4th / Ellis St / Market St.



Current Status This Month

- Begin puff test for FM-200 system
- Continued cleaning Escalator 1, 2, 3
- Start-Up process for water mitigation issue
- Installation of handrail at platform level stairs
- Installation of station-wide Wi-Fi system
- Continued yellow casing for emergency telephone system
- Continued and finished fire proofing in gap breaker room
- Continued and finished cleaning Elevator 1 hoistway components
- Complete elevator 1,2 &3 testing
- Complete installation of Cables for emergency telephones

Work Expected Next Month

- Continue of street light pole at the intersection of Geary and Stockton Street
- Continue cleaning of Escalator 1,2,3

- Begin installation of Lift Net cable for Escalator/Elevator machine room to communication rooms
- Begin Core Drill for TVM installation
- Begin installation of Ticket Vending Machine.
- Begin installation of auxiliary shunt trip for elevator 1&2
- Installation of Fare-Gates on Concourse level

Three Month Look Ahead

Completion of the following:

- Cleaning the station
- Installation of emergency phone cabinets for blue light fixtures

Continued construction / begin installation and testing of the following:

- Overhead plumbing, fire protection piping and overhead fixture and electrical
- Access controls

Union Square/Market Street Station

Contract 1300 Work Package 1253

- HVAC and EV Startup and Testing
- Power and Lighting Startup and Testing
- Fire Alarm /PA / Security System Startup and Testing
- Permanent PG&E historic street-lights at O'Farrell and Stockton Street

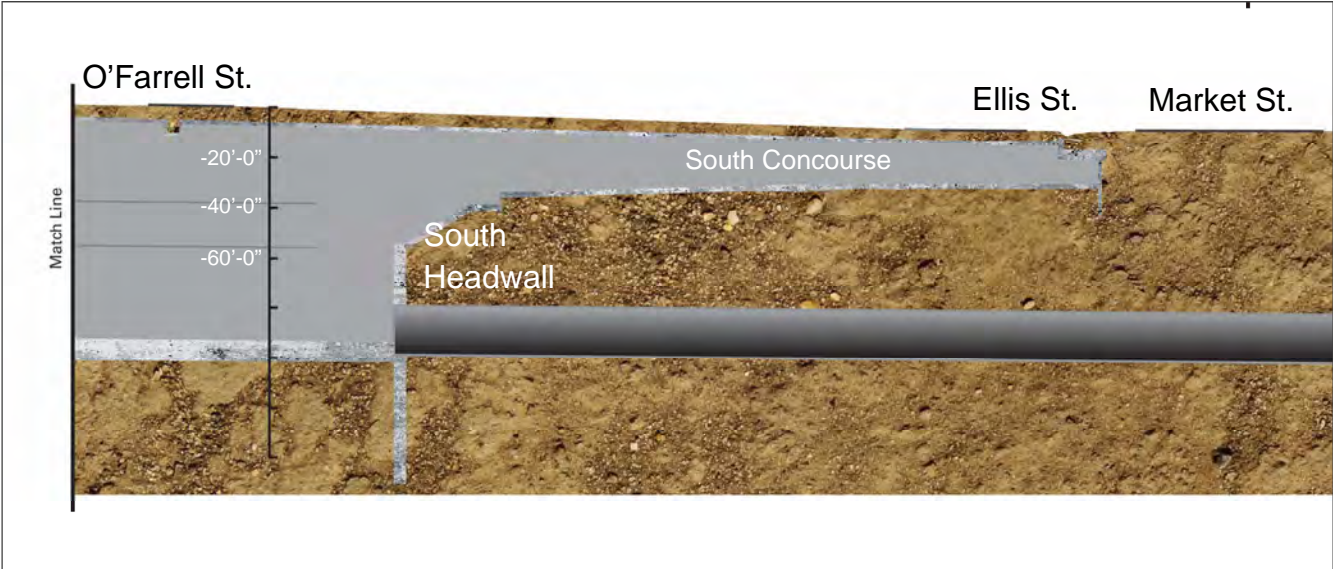
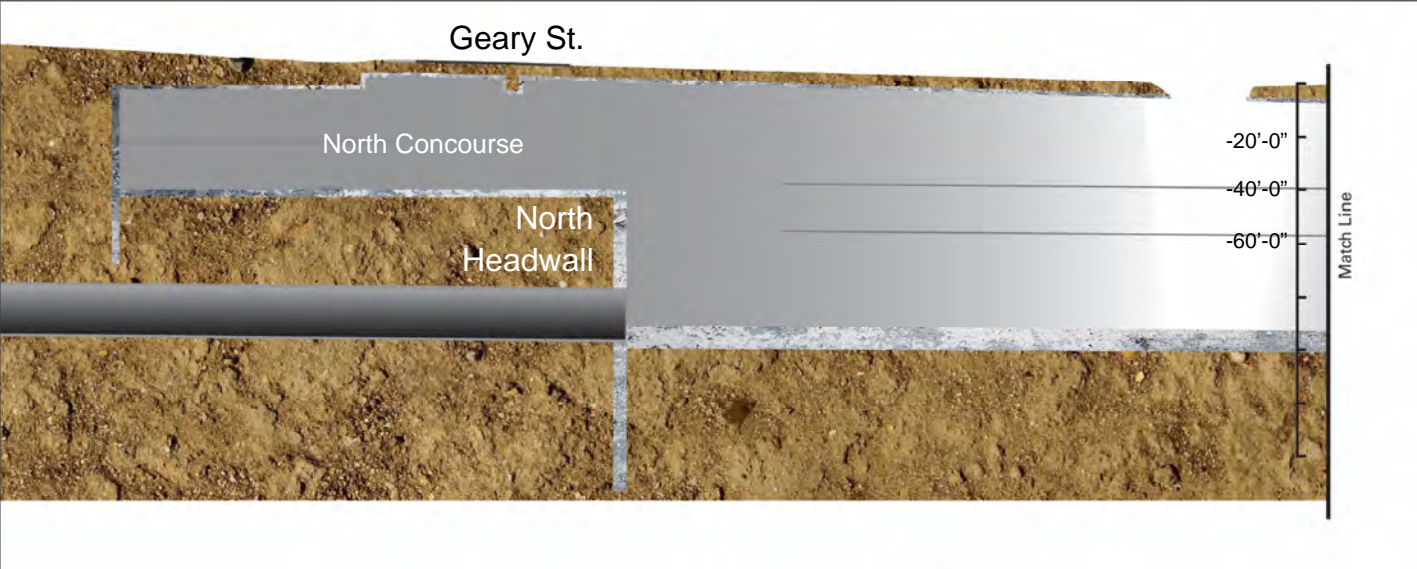


From Mayor's visit to UMS Station

Station Excavation and Construction Progress Section

North

South

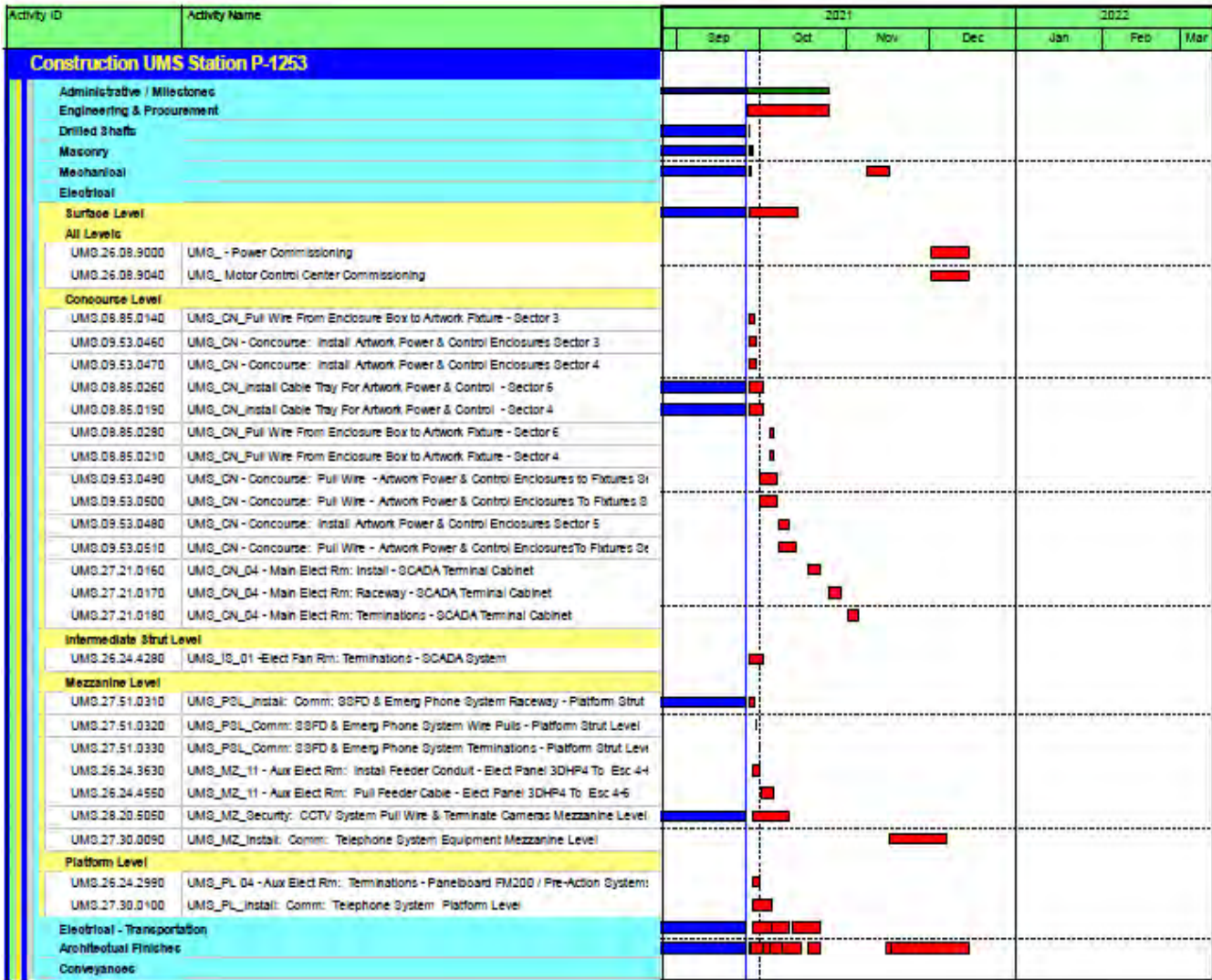


Union Square Market Street Station Construction - Continued

Contract Details	
Contract Awarded:	May 21, 2013
Notice to Proceed:	June 17, 2013
Substantial Completion:	Spring 2021
Contract Award Value:	\$294,030,590
Modifications to Date (\$):	\$20,744,337
Modifications to Date (Days):	1,052
Current Contract Value:	\$314,774,927

Budget/Expenditures ▲	
Current Budget	\$314,030,590
Expenditures to Date	\$312,052,856

UMS Three Month Schedule



Yerba Buena/Moscone Station

Contract 1300 - Work Package 1255

Description of Work

This Work Package is to construct one subway station. Includes station finishes, AC and DC Traction Power substations elevators, escalators, lighting, emergency ventilation fans, HVAC fire alarm/ suppression/ protection, slurry wall top-down construction, settlement monitoring, building protection, PA, CCTV, signage, installation of fare collection equipment and station start-up and commissioning.

Current Status

- Continued resolving final issues in preparation for TP energization
- Completed work on resolving water leak issue on stab-up conduits going through Platform to Invert level
- Continued escalator cleaning for Escalator 1 and 2



Work Expected Next Month

- Complete installing signage
- Complete Station Agent Booth, panel sign off, door and interior finish
- Complete Traction Power Gear Testing
- Complete Traction Power SCADA Testing
- Complete CCTV testing for Elevators
- Complete deluge spray pattern demonstration with SFFD
- Complete terminating wire for blue light emergency phones
- Complete metal cladding installation at Escalator 1 and 2
- Complete metal cladding installation at Escalator 3
- Complete daiken testing of reworked systems
- Complete room pressure tests
- Complete Elevator and Escalator functionality tests

Three Month Look Ahead

- Complete installing archeological display at Concourse level
- Complete installation of sculpture at Surface level
- Complete interior finishes on Mezzanine
- Complete installation of sculpture at Surface level
- Complete Station Agent Booth, panel sign off, door and interior finish
- Complete traction power gear testing
- Complete traction power SCADA testing
- Complete CCTV testing for Elevators
- Complete Deluge Spray Pattern demonstration with SFFD

Yerba Buena/Moscone Station

Contract 1300 - Work Package 1255

- Complete terminating wire for blue light emergency phones
- Complete metal cladding installation at Escalator 1 and 2
- Heat Recovery Coils and Air Balance
- Complete metal cladding installation at Escalator 3
- Complete daiken testing of reworked systems
- Complete room pressure tests
- Complete Elevator and Escalator functionality tests

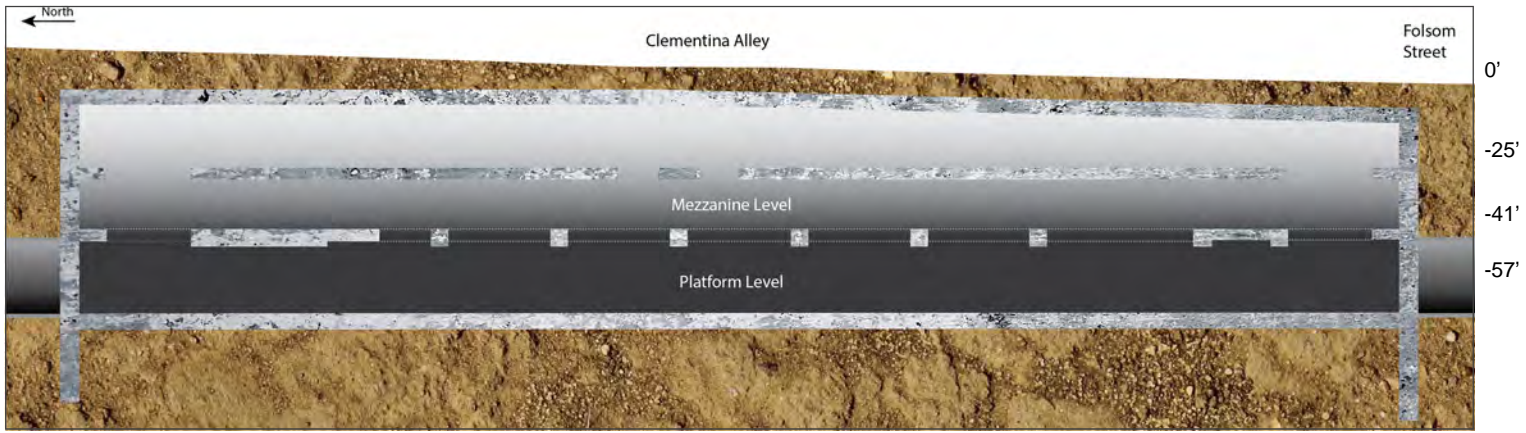


View of the north end of the concourse at YBM

Station Excavation and Construction Progress Section

North

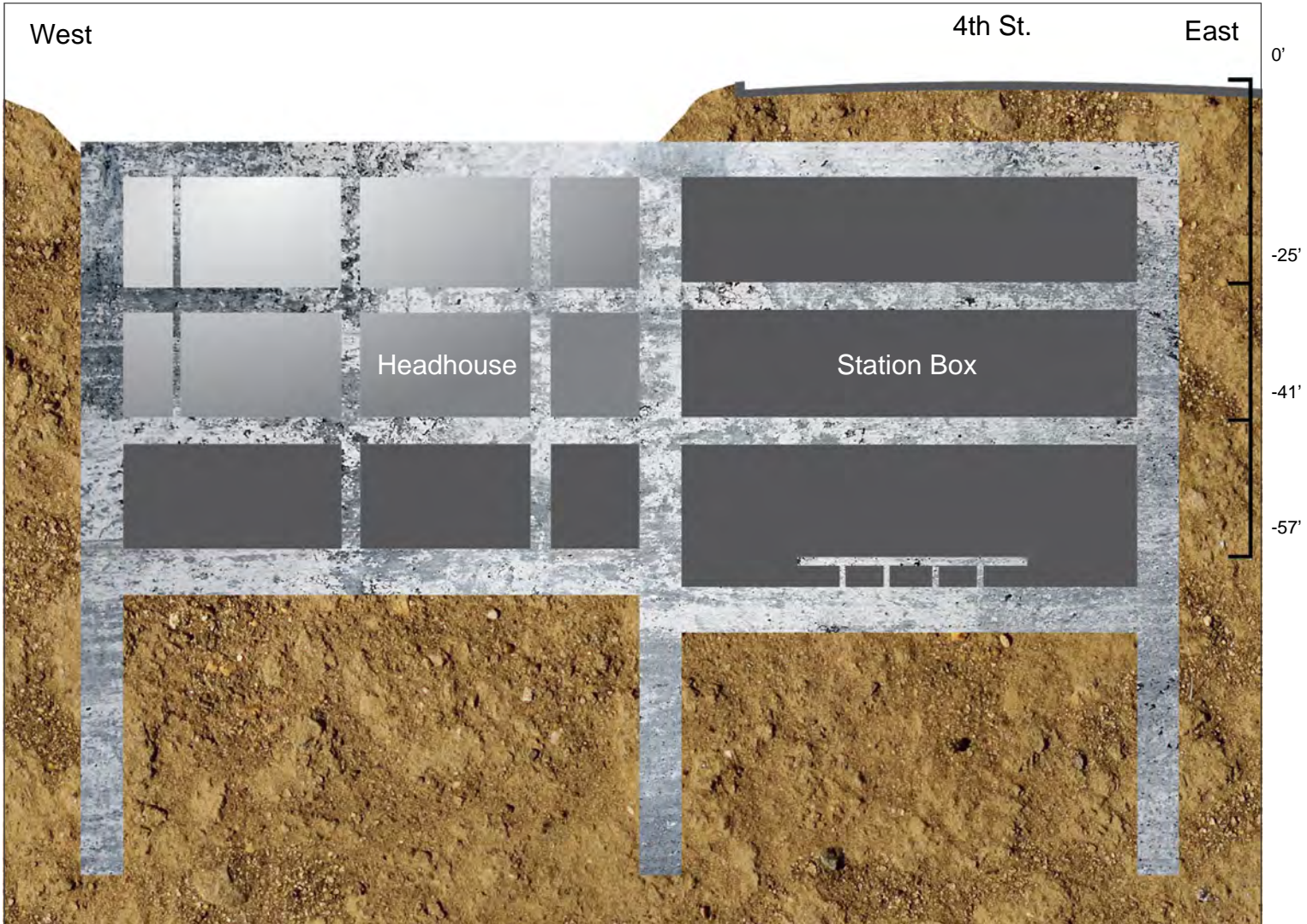
South



West

4th St.

East

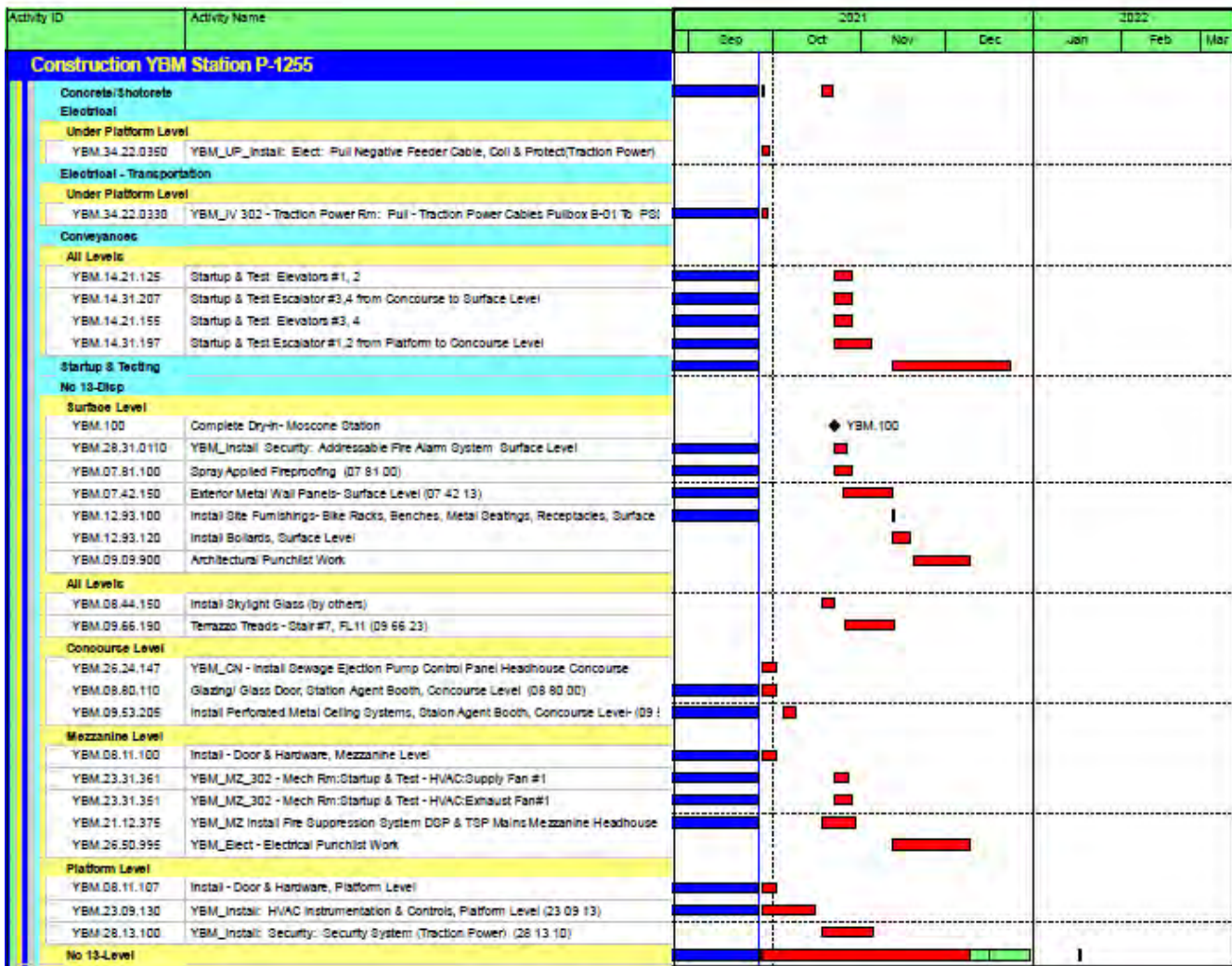


Yerba Buena Moscone Station Construction - Continued

Contract Details	
Contract Awarded:	May 21, 2013
Notice to Proceed:	June 17, 2013
Substantial Completion:	Spring 2021
Contract Award Value:	\$158,089,000
Modifications to Date (\$):	\$4,889,959
Modifications to Date (Days):	1,052
Current Contract Value:	\$162,978,959

Budget/Expenditures ▲	
Current Budget	\$173,089,000
Other Project Offset Credits	\$415,331
Expenditures to Date	\$160,766,171

YBM Three Month Schedule



Systems, Trackwork, & Surface Station

Contract 1300 - Work Package 1256

Description of Work

This Work Package is to construct one Surface Station. Includes light rail track and systems, track invert, track safety walkways; light rail track and systems constructed on the 2,000 foot surface for the alignment from the tunnel portal, south to the tie-in to the existing Muni T-Line at Fourth and King Streets; and the surface Fourth and Brannan Street (FBS) Station.

Current Status

- Continued 4th/Brannan platform construction
- Continued streetlighting installation
- Continued trolley OCS installation on 4th Street
- Installed new foundations and OCS poles on Brannan St.
- Continued pulling blue light cables in tunnels and stations
- Continued installation of cable trays and brackets for negative jumpers to tracks at various station platform areas
- Continued OCS, track and miscellaneous punch list work
- Continued ATCS and radio system testing



Work Expected Next Month

- Continue 4th/Brannan platform construction
- Continue streetlighting installation
- Continue OCS installation on surface
- Continue installation of cable trays and brackets for negative jumpers to tracks at various station platform areas
- Continued OCS, track and miscellaneous punch list work
- Continued ATCS and radio system testing

Three Month Look Ahead

- Continue OCS support/wire installation on surface
- Continue 4th/Brannan platform construction
- Continue surface signaling work on 4th St.
- Continue traffic signal work on 4th St.
- Continue streetlighting installation
- Continue train case fabrication and testing for 4th/King and Bluxome Crossover
- Continue installation of cable trays and brackets for negative jumpers to tracks at various station platform areas
- Continued OCS, track and miscellaneous punch list work

Systems, Trackwork, & Surface Station Construction - Continued

Contract Details	
Contract Awarded:	May 21, 2013
Notice to Proceed:	June 17, 2013
Substantial Completion:	Spring 2021
Contract Award Value:	\$139,989,000
Modifications to Date (\$):	\$121,805,969
Modifications to Date (Days):	1,052
Current Contract Value:	\$261,794,969

Budget/Expenditures	
Current Budget	\$242,642,502
Other Project Offset Credits	\$2,632,766
Expenditures to Date	\$264,125,305

Systems, Track and Surface Station Three Month Schedule

Activity ID	Activity Name	2021				2022		
		Sep	Oct	Nov	Dec	Jan	Feb	Mar
Construction STS P-1256								
Concrete/Shotcrete								
Tunnel Concrete								
Electrical								
Chinatown Station								
Union Square Station								
Moscone Station								
Fourth/King Intersection								
Fourth Street								
STS.34.23.2600	STS_Install: OCS System - Install OCS Trolley Wire in 4th St - Townsend To King St							
STS.34.41.2040	STS_Install: Traffic Signal Controllers 4th St							
STS.34.41.1990	STS_Demo/Salvage: Traffic Signals 4th St							
STS.34.23.2620	STS_Install: OCS System - Install OCS Trolley Wire & Special Work in 4th St/Townsend							
STS.34.23.2590	STS_Install: OCS System - Install OCS Trolley Wire in 4th St - Bluxome To Townsend							
STS.34.41.2000	STS_Install: Traffic Signals 4th St							
STS.34.23.2580	STS_Install: OCS System - Install OCS Trolley Wire in 4th St - Brannan To Bluxome							
STS.34.23.2570	STS_Install: OCS System - Install OCS Trolley Wire in 4th St - Freelon To Brannan							
STS.34.23.2560	STS_Install: OCS System - Install OCS Trolley Wire in 4th St - Welsh To Freelon							
STS.34.41.2030	STS_Pull & Terminate Traffic Signal Wiring 4th St							
STS.34.23.2550	STS_Install: OCS System - Install OCS Trolley Wire in 4th St - Bryant to Welsh							
Fifth Street								
Fourth/Brannan Station								
Harrison St								
Bryant St								
Brannan St								
Townsend St								
HeadHouse								
Northbound Tunnel or Trackway								
STS.34.42.0490	STS_Install: Train Control - Remote Feed Boxes- NB Portal to Moscone							
STS.34.42.0510	STS_Install: Train Control - ATSC Entry Point Signage - Portal							
STS.34.42.0880	STS_Install: Train Control - Remote Feed Boxes- NB Moscone to Union Square							
STS.34.42.0900	STS_Install: Train Control - ATSC Entry Point Signage - Moscone Station							
STS.34.42.2270	STS_Install: Train Control - Train Control Conduit - & JB's NB Portal To Moscone							
STS.34.42.1260	STS_Install: Train Control - Remote Feed Boxes- NB Union Square to Chinatown							
STS.34.42.1270	STS_Install: Train Control - ATSC Entry Point Signage - Union Square Station							
STS.34.42.1630	STS_Install: Train Control - Remote Feed Boxes- NB Chinatown to North Limits							
STS.34.42.1640	STS_Install: Train Control - ATSC Entry Point Signage - Chinatown							
STS.34.22.2880	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PF04 To PF06							
STS.34.22.3280	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - NB Portal Pull I							
STS.34.22.2840	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PF06 NB19 To							
STS.26.05.1560	STS_Install: Tunnel Electrical - Lighting Fixtures - NB Chinatown to North Limits							
STS.34.42.0480	STS_Install: Train Control - Axle Counter Electronics Boxes/Track Heads NB Portal to							

Program Components

Community Outreach

Outreach public information, events and presentations for September 2021 include:

- Conducted Central Subway tours for City elected officials and other community organizations
- Conducted Chinatown Station Community Meeting (virtual)
- Conducted Chinatown Merchants Meeting (virtual)
- Ongoing outreach to merchants and residents by email and social media
- Produced quarterly construction update video and other multimedia content
- Responded to constituent complaints and questions
- Preparation and dissemination of construction notices

Outreach in Support of Mitigation and Monitoring

- Team members participated in weekly teleconference meeting to address neighborhood concerns
- Weekly photo documentation of project work and editing
- Weekly construction update emails sent to list of approximately 700 residents and stakeholders

Media coverage

Central Subway Media Coverage			
Date	Title (with link to story)	Source	Reporter/Writer
9/28/2021	San Francisco's Central Subway Project: The Long Road to Opening	KPIX Channel 5 CBS SF Bay Area	Station staff
9/28/2021	San Francisco's Central Subway is 98% complete. <u>Take a look</u>	KTVU Channel 2	Christien Kafton
9/29/2021	Central Subway Construction Is '98%' Done, But You Won't Be Allowed <u>In</u> Until Next Spring or Summer	SFist	Jay Barmann

Quality Assurance

Project Quality Assurance provides oversight of the implementation of the SFMTA Quality Assurance Program as it is applied to the Central Subway Project. Project Quality Assurance (QA) performs surveillances, audits and provides proactive feedback to the Project team. The team consists of designers, construction management staff, resident engineers, QA inspectors, the prime construction contractor, its quality control, subcontractors and suppliers.

Stations and Systems Contract CN1300 Quality Assurance Monitoring Activities

Project Quality Assurance performs the following activities to ensure that the quality program complies with project quality requirements:

- QA observation of all work in progress for all work packages
- QA observations of QC inspection, testing and documentation by Smith Emery for all work packages
- QA observation of station construction at CTS, UMS, and YBM
- QA observation of STS invert and plinth concrete placement and track installation
- QA observation of STS rail preparation and installation
- QA review of TPC's Quality Control (QC) Daily Inspection Reports posted to project records CM13 which includes TPC's Specialty Subcontractor's QC checklists, associated documentation and Smith Emery inspection and testing reports provided by TPC's subcontractor that provides laboratory and inspection services – including special inspections required for the City of San Francisco's Department of Building Inspection (DBI) for all permitted work
- QA participation in definable feature of work preparatory and initial phase meetings as scheduled by the contractor's QC manager
- QA participation in Monthly Project Risk Mitigation, Safety and Security, and weekly Construction Management Board (CMB) meetings as scheduling constraints allow

Document comment and review:

- QA staff reviews quality related submittals, other submittals and Requests for Information (RFIs) as needed and requested to support the RE's and CM administration of the Quality Assurance Program
- QA staff performs random checks of the Contractor's independent field inspection and testing laboratory reports and results as provided by the Contractor's testing laboratory

Contractor Non Conformance Reports (CNCR) Status as indicated in the TPC QC CNCR Log:

During this period, two CNCRs were opened, three were dispositioned and four CNCR were closed.

- 599 CNCRS are currently posted to the CNCR Log
- 30 CNCRs are currently posted to the CNCR Log as OPEN

Quality Assurance - Continued

Notice of Non-compliance (NCN):

In the event, for whatever reason, that the Contractor neglects or refuses to generate a Contractor Non-Conformance Report, the Engineer may issue a Non-Compliance Notice to the Contractor for any detected non-compliance in the Work or portion thereof that has not been performed in accordance with the Contract Documents.

- Project QA has issued 49 NCNs

Audits:

- Previously, Project QA performed an audit of the Contractor's compliance with specified requirements for Project Coordination and Management Staff. The audit resulted in five findings and five Corrective Action Requests. These findings remain open
- During this period, Project QA initiated an audit of the Contractor's compliance with document control and quality records requirements for the period

QA Issues:

- The Contractor is required to provide a Quality Control (QC) Daily Inspection Report. No reports were provided during this period.
- The Contractor is required to submit a revised Quality Control Program anytime there are changes to the program. In June, the Contractor was asked to submit a revised plan. The Contractor has not submitted a revision.
- The Contractor does not currently have the required number of QC staff. Four (4) full-time Assistant Contractor Quality Managers are required by Contract. Currently there are three vacancies
- The Contractor does not have a QC manager on the site at all times during construction as required by contract
- The Contractor continues to perform work in some instances prior to receipt of approved required submittals (including product information, coordination and shop drawings) and RFIs with or without knowledge of the Contractor's QC or responsible production supervision. This presents potential risk.

QA Concerns:

- The Contractor continues to furnish and install nonconforming OCS support brackets and hangers which do not meet certification and inspection requirements.
- The contractor continues to furnish and install OCS poles without meeting prerequisite certification requirements. Project QA issued STS NCN 003. The Contractor has not responded to the NCN but has opened a CNCR; no corrective action or disposition has been proposed. Contractor has voided the CNCR stating the company was no longer in business. We have discovered the original assets were bought by a new company and documents may be recoverable. The Contractor has been notified.
- The Contractor continues to VOID CNCRs without demonstrating that the work meets Contract requirements
- The Contractor is not identifying all nonconforming work as required by contract

Quality Assurance - Continued

- The Contractor continues to perform CNCR repairs prior to receiving approval of the proposed repair procedures
- The untimely identification and mitigation (SFMTA approval) of “last minute items” remains an ongoing challenge to all involved and often generates nonconforming work. Project quality has not suffered to date; however the aforementioned concern remains
- Project schedule compression demands disrupting RE, design staff priorities, and work flows as mentioned above; quality has not suffered but the concern remains

Program QA Practices Implemented:

- Close-out of Corrective Action Requests: Close outs continued as required from Quality Assurance staff’s audits, surveillances and PMOC quarterly reviews. The status is tracked in the Corrective Action Log that is available to the project team and the FTA PMOC
- Project QA continues to hold meetings with the Resident Engineers, Assistant Resident Engineers, and QA inspectors of all stations to review project quality assurance procedures and requirements and to discuss contractor quality control requirements

Risk Management

A Risk Mitigation Management Meeting did not take place in September; however, the members will reconvene in October 2021 to review the top risk items in accordance with the risk summary sheet, which have been given a rating by the Committee of six and above. The Committee continues to discuss impacts of COVID to construction efficiency and impact to the schedule.

COVID related impacts to the project are continually being monitored and updated by the risk owner under risk #265. Currently, thirty-seven (37) construction risks, two (2) revenue service risk and one (1) remaining requirement risk, are being tracked on the Project's Risk Register; in addition to, establishing strategies for mitigation and evaluating potential unforeseen issues or conditions.

The Committee continues to follow risks and statuses updated with the use of the risk mitigation status sheets, providing monthly updates by the Risk owner to demonstrate the assigned mitigation strategy is being implemented. The program has submitted to FTA and other funding partners with a revised Full Funding Grant Agreement (FFGA) which has adjusted the Revenue Service Date (RSD) and the Estimate at Completion (EAC).

Top Risks

Risk #	Risk Description	Risk Rating
267	Potential Water leaks at UMS Station	18
265	COVID-19 directly impacts progress of the work resulting in increase costs and schedule delays.	14
255	Water leaks at YBM station, including water in conduits	10
266	Outstanding submittals and resubmissions related to safety and security certification requirement not being addressed.	9
257	Systems Test Integration between components does not work, fails	8
251	Physical activities missing (not defined) in the schedule / Identify activities of undefined scope	8
205	Prolong period of CMod's creates additional cost/causes bad blood between Resident Engineer and Contractor	8
261	Internal Staffing Resource Issue	6
253	Do not have adequate (subcontractor) resources defined to perform the work to meet schedule performance	6
238	Quality Program is ineffective in processing the nonconformance items causing schedule impacts	6

Program Safety & Security

On March 17, 2020, the Mayor and the City's Health Office issued a Public Health Order to "Shelter-In-Place" in response to the COVID-19 pandemic. The City's Health Office continues to adjust these restrictions with changing conditions including the current Delta variant of COVID which requires the City to reintroduce some additional guidelines for indoor activities. Construction of the Central Subway project continues to progress, and Construction Management team continues to monitor impact of the COVID restrictions on project schedule.

The project continues to progress towards substantial completion and startup and testing. Train testing continues as the project moves forward with startup and testing requirement. The Contractor reported no cases in September. The current cumulative number of staff that have undergone quarantine for the project is thirty-three. All quarantined personnel have followed the appropriate procedures to return to work. The Contractor continues to follow the required protocol to maintain the safety of the work force. Safety and CM team continues to monitor these cases to ensure compliance with the Safety and Security protocols. CM team has added additional resources to monitor these cases along with others that are already identified with the project. The schedule team continues to monitor impacts to the production rate with these reported cases. While the COVID restrictions have been adjusted, the project team continues to have essential project staff on site to ensure safety of the staff and allow other staff to telecommute. With improving COVID conditions, the City will allow their staff to return to the office in early November which includes project staff.

The San Francisco Municipal Transportation Agency is committed to the highest practical level of safety and security standards and practices in the public transit industry. The Safety and Security Management Plan (SSMP) components are reported on below as appropriate including, Safety and Security Committee, the Fire Life Safety and Security Committee the Construction Conformance Verification and Documentation and Contractor Safety and Security.

Project Management/Construction Management (PMCM) Team

Safety bulletin boards have subjects covering the daily job briefings. Weekly safety meetings are held on a weekly basis so all staff has an opportunity to attend. In response to shelter-in place, we have transitioned the weekly in person safety meetings to interfacing online via the Microsoft teams app platform.

Safety Summary for the 1300 Stations Systems Track Construction Package

In the month of September, there was no recordable injury.

Table 1300 Stations Construction Safety Record

Table 1300 below summarizes the Month to Date and Project to Date for the Stations, Systems and Track Construction contractor and subcontractors.

Next Month Look Ahead

1300 Contract

1. At CTS, we continue elevator and escalator, security system, access control system, fire alarm and HVAC testing
2. At UMS, we continue to work on installation of switches, electrical, auxiliary shunt, ticket vending machine and fare gates
3. At the YBM station, we continue traction power gear, SCADA, daiken, room pressure, elevator and escalator and CCTV testing
4. At the STS station, we continue streetlighting, OCS and track installation

Program Safety & Security - continued

Project Safety Record - Contract 1300

SAFETY GOALS

Through Month End September 2021

OSHA Recordable Accidents, <3.4 Lost Time Cases, <1.6
--

JOB TO DATE	Tutor	Subs	Total Project	Rate*
OSHA Recordable Accidents	39	8	47	1.09
Job Transfer or Restricted Duty Cases	0	0	0	0.00
Lost Time Cases	10	1	11	0.25
Total Project Incidents	49	9	58	1.34
Man Hours Worked Through M/E September 2021	4,173,958	4,480,983	8,654,940	

YEAR TO DATE (Month ,Day, Year to Month, Day, Year)	Tutor	Subs	Total Project	Rate*
OSHA Recordable Accidents	1	0	1	0.80
Job Transfer or Restricted Duty Cases	0	0	0	0.00
Lost Time Cases	0	0	0	0.00
Total Project Incidents	0	0	0	0.00
Man Hours Worked Through M/E September 2021	69,656	179,620	249,276	

* Rate is calculated based on number of incidents divided by total number of man hours worked multiplied by 200,000 man hours.
 OSHA Recordable Accidents - 2008 Construction Industry Rate for Highway, Street, and Bridge Construction = 3.9

*Classifications change at a later date due to additional information becoming available, thereby, changing the numbers on the chart.
 For example, what was once classified as an accident can become a first aid which leads it to no longer being recordable.

Technical Capacity

The program has added staff to Construction Management and Safety team to monitor the new requirements related to COVID. Additionally, the Program continues to identify other staff for the construction management team. These staff are needed to provide support for the current construction activities and Start-Up and Testing activities. These additional staff will supplement the existing staff to properly support ongoing effort to complete the project.



Mayor London Breed operating the train car in Central Subway

Staffing

The Central Subway Staffing Table shows Planned and Actual full-time equivalent staff (FTEs) working on the Program by organizational function and responsibility.

	Jul-2021		Aug-2021		Sep-2021	
	Planned	Actual	Planned	Actual	Planned	Actual
Project Management						
Program Management	6.60	4.75	6.60	4.75	6.60	4.75
Quality Assurance	1.80	1.00	1.80	1.00	1.80	1.00
Contract Administration	1.40	7.00	1.40	7.00	1.40	7.00
Community Outreach	5.50	2.00	5.50	2.00	5.50	2.00
Finance	2.00	0.00	2.00	0.00	2.00	0.00
Project Controls	4.80	4.65	4.80	4.20	4.80	4.20
Subtotal	22.10	19.40	22.10	18.95	22.10	18.95
Construction Management						
CM - CN 1252	0.00	0.00	0.00	0.00	0.00	0.00
CM - CN 1300	21.55	42.60	21.55	43.60	21.55	46.60
Design Support - CN 1252	0.00	0.00	0.00	0.00	0.00	0.00
Design Support - CN 1300	9.00	15.00	9.00	15.00	9.00	15.00
Subtotal	30.55	57.60	30.55	58.60	30.55	61.60
Start Up						
Start Up / Safety & Security	5.95	4.00	5.95	4.00	5.95	4.00
Subtotal	5.95	4.00	5.95	4.00	5.95	4.00
Total	58.60	81.00	58.60	81.55	58.60	84.55

*FTE counts may change at a later date due to additional information becoming available, thereby, changing the numbers on the chart.

Third-Party Agreements

No activity in this reporting month.

LRV Procurement

SFMTA has initiated a new light rail vehicle procurement to acquire up to 260 vehicles over the next 15 years. The scope includes the design, manufacture, delivery and testing of up to 260 light rail vehicles together with associated services, spare parts, special tools, training and documentation. This includes an initial delivery of 24 cars, scheduled for delivery from 2017 - 2018 to supplement the fleet when the SFMTA's Third Street Phase 2 - Central Subway Project extension opens.

The delivery of 24 vehicles related to Central Subway has been completed.



Ev exhaust fans in CTS

central **T** subway

Current Construction Activity



Chinatown (CTS)



Union Square/Market Street (UMS)



Yerba Buena/Moscone (YBM)



4th St. Surface Track, Systems (STS)





CTS Head House Glass enclosure



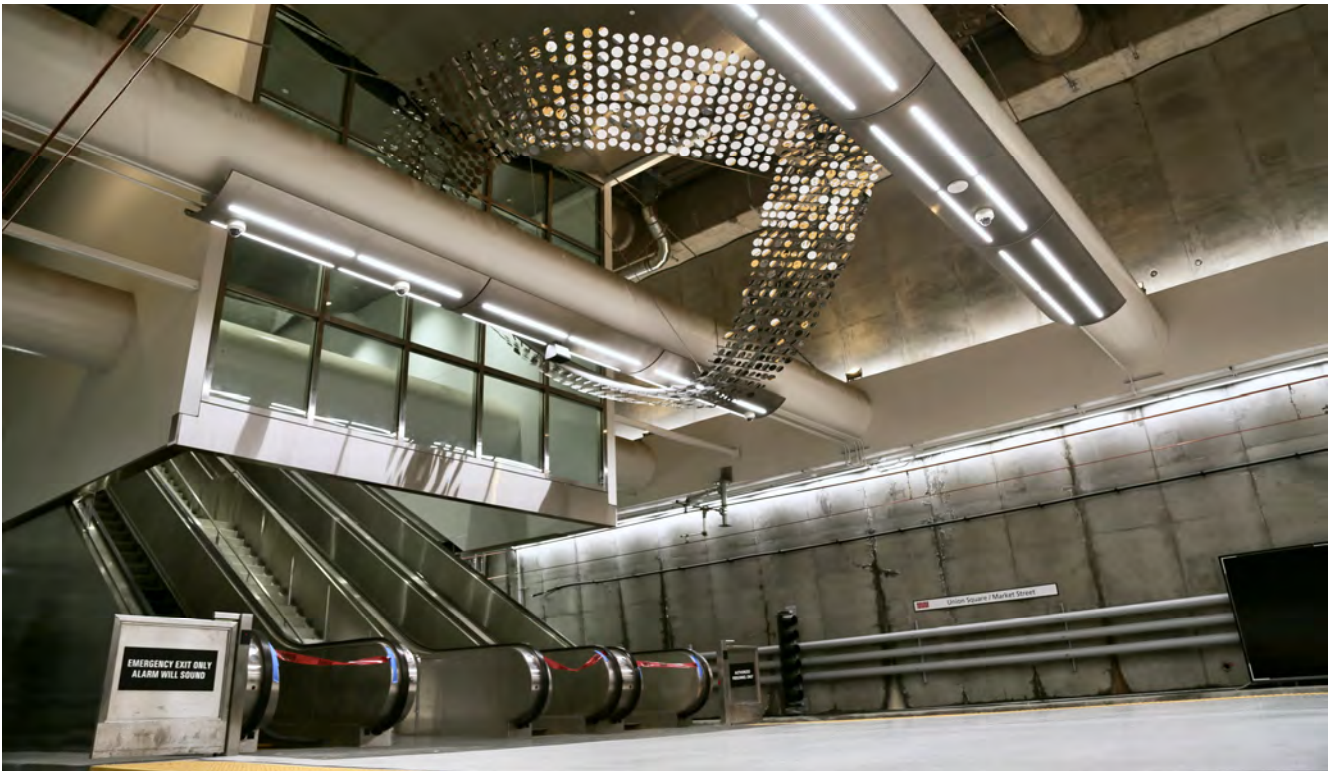
View of the ticketing lobby at CTS



Escalator on the platform at CTS



View of the entrance lobby at CTS



Mirror ceiling art at platform landing at UMS



Ceiling art work at the headhouse of UMS as seen from above



Looking down the concourse from the faregates at UMS



Worker installing the glass paneling for the ticketing booth at UMS



View from the platform of the elevator and seismic beams at YBM



View of the at above the ticketing booth at YBM



View of the surface plaza at YBM with glass art on display



Looking down to the platform from the concourse level



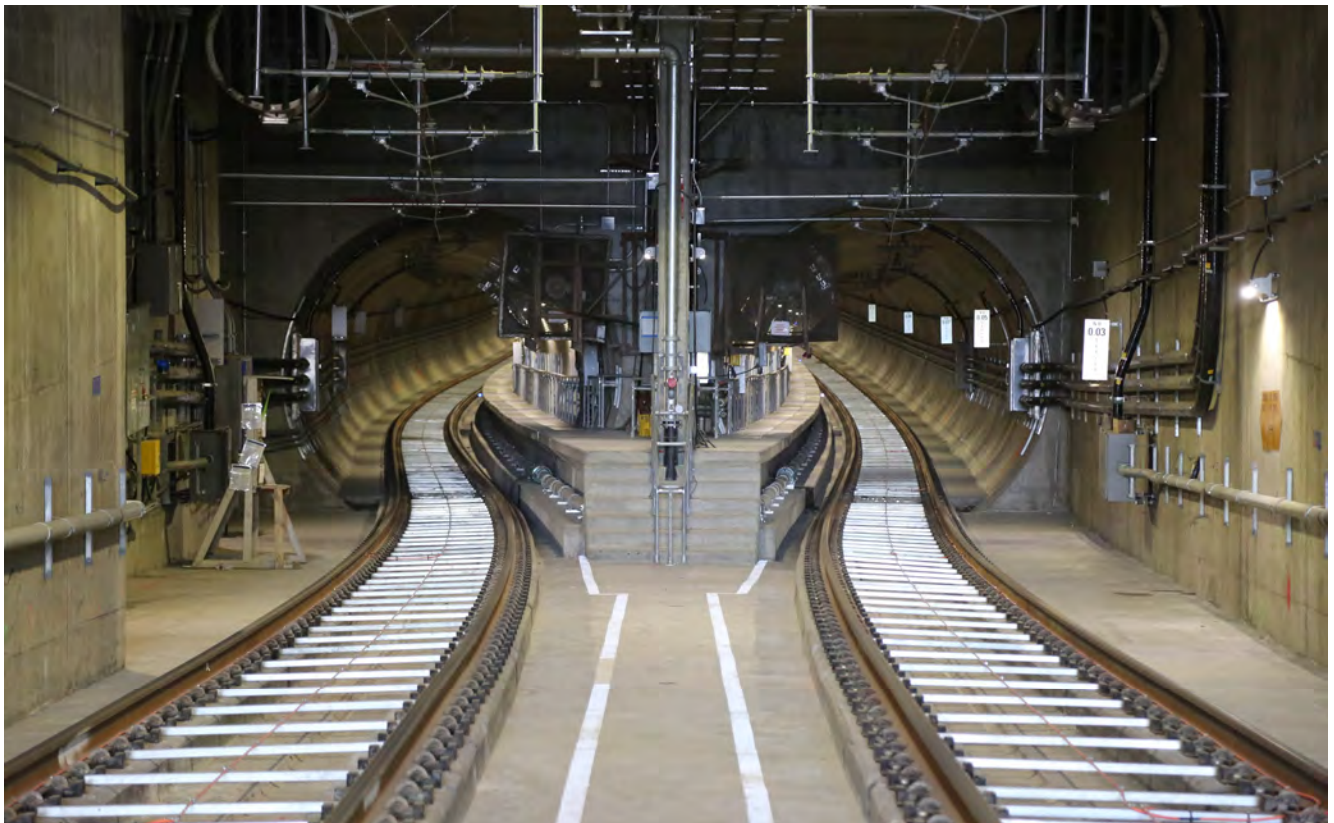
View from inside the first train test run



View of the art installation on 4th street



View of the platform at 4th and Brannan



View of the portal entrance into the tunnel

Appendix A

DETAIL COST REPORTS

*September 2021 Notice: The City continues to experience problems that were caused by error and inaccuracy from the transition from FAMIS to Financial System Project (FSP). An updated methodology has been implemented within the financial reporting that will provide more accurate figures for transactions occurring in fiscal year 2021.

1. PROJECT COST

The revised Cost Estimate (CCE) for the Central Subway Project is \$1.855 billion in year of expenditure dollars (\$YOE). The project continues to work with our funding partners to address the current funding issues. Currently, the project estimates the Estimate at Completion (EAC) to be \$1.891B or \$313M above the original budget of \$1.578B. These revised estimates have been shared with our board and funding partners. Based on the additional funding requirement, the project has received additional \$299M from capital contingency funds.

The project will continue to work with Finance and Grants to secure the remaining funds and to book the remaining funds as they are identified and become available to the program. Total net incurred costs for the project are \$1,855.17 million. The cost to date figure reflects expenditures through FAMIS 786 Report (\$1,855.53 million) plus the utilities joint trench Form B Reimbursement payment (\$12.51 million), invoices currently being processed (\$10.16 million) and estimates of outstanding pay requests credits of (\$22.99 million). The revised total project budget is \$1.877 billion due to additional local funds received.

The current funding level to date has already been fully met which includes excess local funds consisting of Operating funds of \$71,600,000 appropriated in April 2021. The original total project budget of \$1.578 billion has already completed its original funding of the program in July 2020. The project team will continue to work with our financial partners to ensure that impacts to the project are minimized and the additional funds are secured.

CONTRACT	PP NO	PP PERIOD TO	PROG PYMT AMOUNT
CS155.1*	70	6/30/2016	\$ 24,327.00
CS155.1*	71	9/30/2016	\$ 65,000.00
CS155.1*	72	12/30/2016	\$ 50,000.00
CS155.1*	73	3/31/2017	\$ 35,282.00
CS155.2	137	7/31/2021	\$ 228,114.08
CS155.2	138	8/31/2021	\$ 170,940.95
CS155.2*	139	9/30/2021	\$ 170,940.95
CS155.3	133	4/30/2021	\$ 154,906.32
CS155.3	134	5/31/2021	\$ 147,159.33
CS155.3	135	6/30/2021	\$ 171,927.30
CS155.3*	136	7/31/2021	\$ 171,927.30

CONTRACT	PP NO	PP PERIOD TO	PROG PYMT AMOUNT
CS155.3*	137	8/31/2021	\$ 171,927.30
CS155.3*	138	9/30/2021	\$ 171,927.30
CN1300	93	6/30/2021	\$ 2,266,542.12
CN1300		7/31/2021-	
CN1300	94	8/31/2021	\$ 3,721,776.18
CN1300	95	9/30/2021	\$ 2,273,518.83
CS149	150	5/31/2021	\$ 1,022,809.58
CS149*	151	6/30/2021	\$ 1,379,492.72
CS149*	152	7/31/2021	\$ 1,024,980.35
CS149*	153	8/31/2021	\$ 1,026,000.00
CS149*	154	9/30/2021	\$ 1,250,000.00
other accruals*		9/30/2021	\$ (28,535,272.38)

* Estimated Amount \$ (12,835,772.77)

2. CONTINGENCY ALLOCATIONS AND USAGE

The Contingency Drawdown Curve is shown in Report 7.3. Follows by Report 7.4 Contingency Management Trend Report with the Remaining Contingency after Approved Changes Deducted contingency items in column “i”.

In this reporting period, CN1300 Station did not process any contract modifications. Refer to Report 7.5 for approved contract modifications and potential changes.

3. BUDGET TRANSFERS

No budget transfers in this reporting period.

4. FORM B

The Utilities Joint Trench Form B Details is listed in the Table A2 below. Total utilities joint trench Form B Reimbursement payment to three construction contracts is \$12.51 million.

TABLE A2: UTILITIES JOINT TRENCH FORM B DETAILS	[A] Mar 2015 BUDGET	[B] EXPENDED TO DATE	Associated Cost Account
1.3.491.07.040.02 - FORM B - CN1250 UTILITY REIMBURSEMENT	(2,275,419)	2,463,325	1.3.081.07.040.02 - 1UTL:SITWORK: UTILITIES & RELOC
1.3.491.08.040.02 - FORM B - CN1251 UTILITY REIMBURSEMENT	(7,618,412)	3,608,217	1.3.082.08.040.02 - 2UTL:SITWORK:UTILITIES&RELOCATE
1.3.491.02.040.02 - FORM B - CN1252 UTILITY REIMBURSEMENT	(254,050)	3,975,656	1.3.083.02.040.02 - TUNN:Sitework:Utilities & Relocate
1.3.491.04.040.02 - FORM B - CTS: CN1300 UTILITY REIMBURSEMENT	(451,703)	443,046	1.3.085.04.040.02 - CTS.1254: SITE UTILITIES, UTILITY RELOCA
1.3.491.09.040.02 - FORM B - STS: CN1300 UTILITY REIMBURSEMENT	(1,000,000)	1,053,691	
1.3.491.03.040.02 - FORM B - UMS: CN1300 UTILITY REIMBURSEMENT	(528,370)	467,600	1.3.084.03.040.02 - UMS.1253: SITE UTILITIES, UTILITY RELOCA
1.3.491.05.040.02 - FORM B - YBM: CN1300 UTILITY REIMBURSEMENT	(100,000)	495,879	1.3.086.05.040.02 - YBM.1255: SITE UTILITIES, UTILITY RELOCA
TOTAL	(12,227,954)	12,507,414	

5. EARNED VALUE (EV) ANALYSIS

In September 2021 Report, the Preliminary Earned Value Analysis reports is based on the SFMTA September Schedule Update. The Planned Value, Earned Value, Actual Cost, Percent Complete and resulting indexes as follows:

Preliminary September Earned Value

Overall Budgeted Cost:	\$1,877,153,762
Planned Value:	\$1,593,491,019
Earned Value:	\$1,499,768,690
Actual Cost:	\$1,855,168,951
Schedule Performance Index (SPI):	0.94
Cost Performance Index (CPI):	0.81
Percent Complete:	94.1%

SFMTA, EV Chart
September 30, 2021 Update

Activity ID	Activity Name	Start	Finish	Performance % Complete	Budgeted Total Cost	Planned Value Cost (PV)	Earned Value Cost (EV)	Actual Total Cost (AC)	CPI	SPI
CENTRAL SUBWAY PROJECT										
	Preliminary Engineering Phase	03-Jun-03 A	28-May-24	94.12%	\$1,877,153,761.85	\$1,593,491,018.89	\$1,499,768,689.60	\$1,855,168,950.69	0.81	0.94
	Final Design	03-Jun-03 A	07-Jan-10 A	100%	\$46,542,061.34	\$46,542,061.02	\$46,542,061.02	\$46,542,060.53	1.00	1.00
	Light Rail Vehicles	08-Jan-10 A	17-Jun-13 A	100%	\$115,075,987.10	\$115,075,987.06	\$115,075,987.06	\$114,034,067.22	1.01	1.00
	Real Estate	15-Apr-13 A	25-Mar-22	8.25%	\$12,000,000.00	\$26,385,653.00	\$2,177,131.58	\$11,929,246.72	0.18	0.08
	Construction Phase	01-Aug-08 A	15-May-15 A	100%	\$32,140,417.71	\$37,405,885.00	\$37,405,885.00	\$30,612,836.53	1.22	1.00
	Construction Support and Costs	03-Jan-10 A	05-Apr-24	95.58%	\$1,670,593,426.70	\$1,358,561,966.32	\$1,298,567,614.94	\$1,652,050,737.69	0.79	0.96
	Construction Utility Contract #1 - MOIS & Portal CN-1260	03-Jan-10 A	05-Apr-24	99.76%	\$259,589,090.00	\$199,862,849.06	\$199,387,002.82	\$249,416,044.53	0.80	1.00
	Construction Utility Contract #2 - UMIS CH-1261	04-Jan-10 A	23-May-11 A	100%	\$11,968,150.00	\$11,968,150.00	\$11,968,150.00	\$11,968,150.00	1.00	1.00
	Construction Tunnels CH-1262	12-Jan-11 A	15-Oct-12 A	100%	\$20,669,081.47	\$20,794,582.00	\$20,794,582.00	\$20,669,081.47	1.01	1.00
	Construction STS R-1266 ATCS	08-Jun-11 A	27-Sep-21	93.05%	\$233,511,253.03	\$251,069,047.23	\$233,608,974.26	\$233,511,253.34	1.00	0.93
	Construction STS R-XXXX Raibs	20-May-14 A	27-Jan-22	53.67%	\$18,086,709.00	\$18,036,709.00	\$9,715,504.32	\$10,608,080.96	0.90	0.54
	Construction CN-1300	27-Aug-19 A	14-Jan-22	0.6%	\$4,809,852.50	\$4,841,950.49	\$36,735.60	\$32,098.00	1.21	0.01
	Unallocated Contingency	03-Jun-13 A	23-Sep-22	96.6%	\$1,122,009,290.70	\$851,968,679.54	\$833,054,665.91	\$1,125,646,029.39	0.73	0.97
	Project Management	27-Sep-21	21-Jun-22	0%	\$801,869.00	\$9,519,456.49	\$0.00	\$0.00	0.00	0.00
		22-Jun-22	28-May-24	0%	\$0.00	\$0.00	\$0.00	\$0.00	0.00	0.00

Earned Value Analysis and Definitions

SPI is a measure of schedule efficiency on a project. It is the ratio of earned value (EV) to planned value (PV). A SPI equal to or greater than one indicates more work was completed than planned and a value of less than one indicates less work was completed than planned. A value of less than 0.9 is unfavorable.

CPI is a measure of cost efficiency on a project. It is the ratio of earned value (EV) to actual cost value (AC). A CPI equal to or greater than one indicates a cost under run and a value of less than one indicates a cost overrun. A value of less than 0.9 is unfavorable.

The following earning rules are established for each of the phase:

Cost Element Group	Planned Value (Primavera)	Earned Value (Primavera)	Actual Cost (SFMTA Cost Accounting (SAP))
Prelim. Engineering	Expenditure Plan Level of Effort (LOE)	Equals to Planned Value (LOE)	Time Keeping; Vendor Accruals and Invoices
Final Design	Expenditure Plan Level of Effort (LOE)	Equals to Planned Value (LOE)	Time Keeping; Vendor Accruals and Invoices
Procurement	Planned Delivery Date	Actual Delivery Date	Time Keeping; Vendor Accruals and Invoices
Real Estate	Expenditure Plan Level of Effort (LOE)	Equals to Planned Value (LOE)	Time Keeping; Vendor/ Material Accruals and Invoices
Construction	Schedule of Work	% Complete* x Budget at Completion (BAC)	Vendor Accruals and Invoices
Sub-Total	Performance Measurement Baseline (PMB)	Total Earned Value	Total Actual Cost
Below the Line	+ Contingency		
Total	Approved Budget		

6. FUNDING SUMMARY

The Funding Available Table below shows the total awarded funds to date vs. the total committed funds from the Project's funding sources.

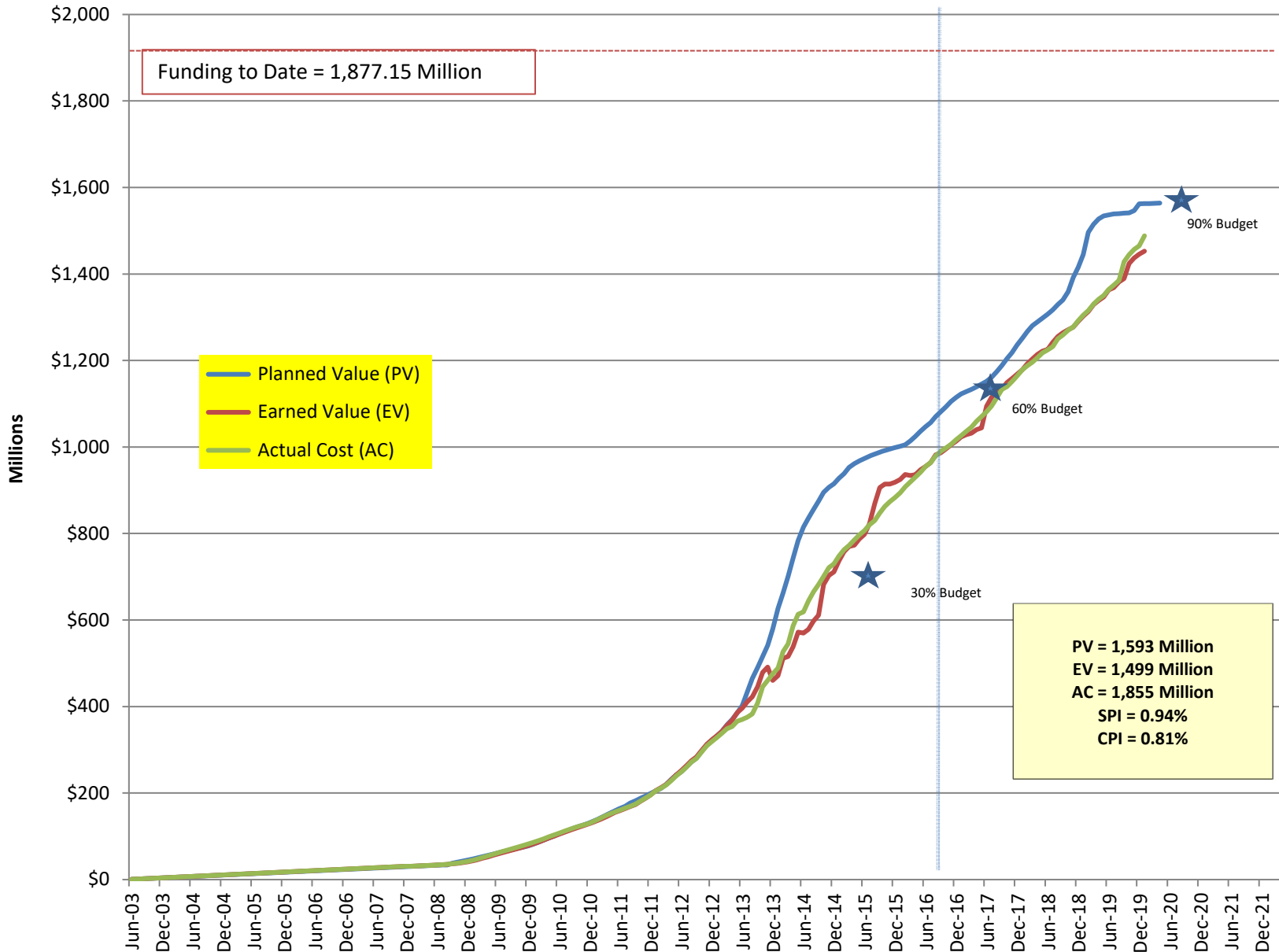
Funding Available Table		
	Funding	
	Committed Funding Sources	Total Awarded Funds to Date
Federal		
Sect. 5309-NS	\$942,200	\$942,200
Sect. 5307-OBAG	\$15,980	\$15,980
CMAQ	\$41,025	\$41,025
Federal Subtotal	\$999,205	\$999,205
State		
TCRP	\$14,000	\$14,000
State RIP	\$12,498	\$12,498
Prop. 1B (I-Bond)	\$308,601	\$312,236
PTIMSE		
Prop. 1A (HSR-Bond)	\$61,308	\$61,308
State Subtotal	\$396,407	\$400,042
Local		
LCTOP	\$4,000	\$4,000
Operating	\$4,970	\$311,424
MTA	\$0	\$475
Prop. B Pop Baseline	\$26,985	\$20,125
Prop. K	\$143,542	\$138,692
TSF Transit	\$3,191	\$3,191
Local Subtotal	\$182,688	\$477,907
CPT 544 Total	\$1,578,300	\$1,877,154

7. LIST OF COST REPORTS

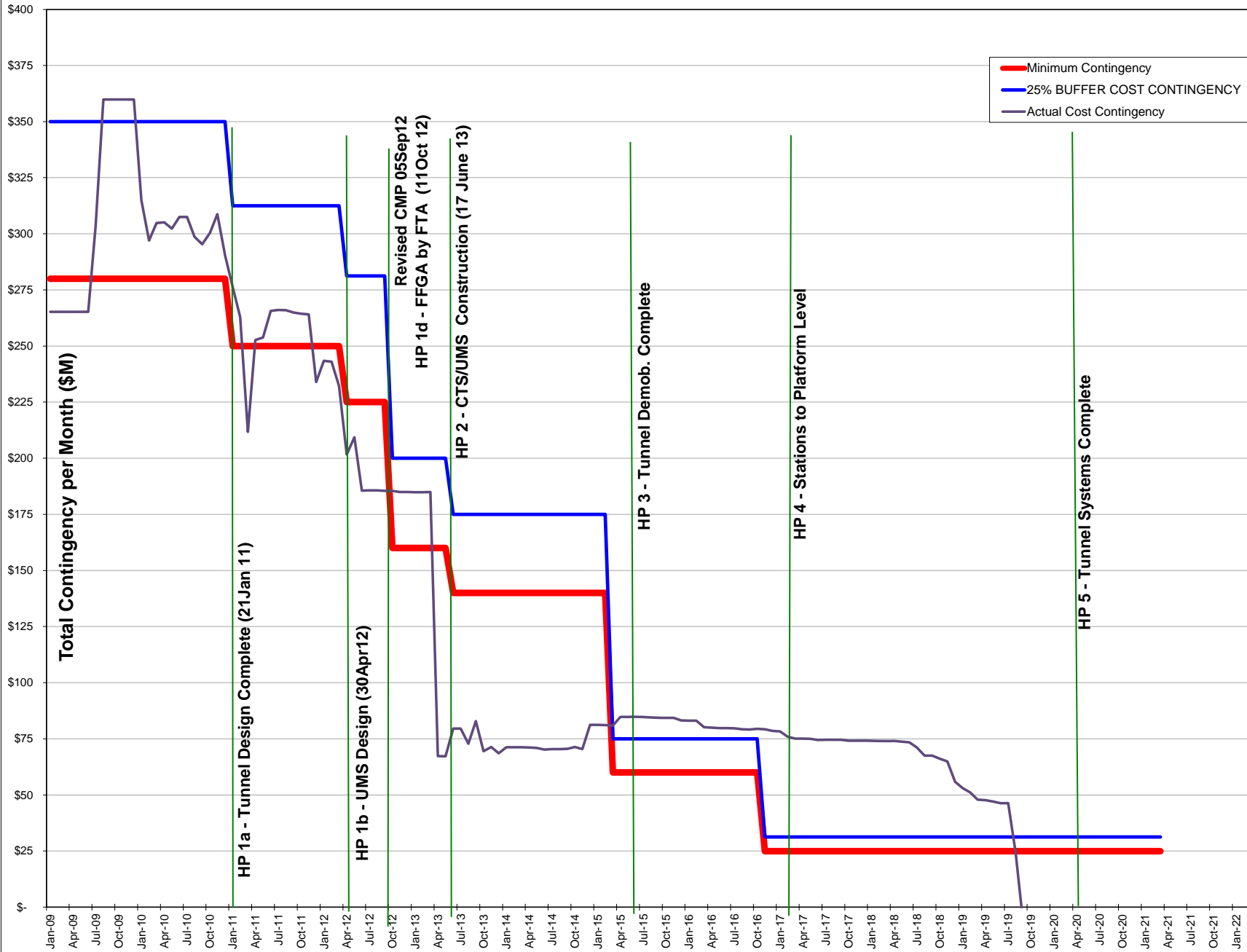
- 7.1 Program Project Budget
- 7.2 Earned Value Cash Flow
- 7.3 Contingency Drawdown Curve
- 7.4 Summary Contingency Management Trend Report
- 7.5 Detail Contingency Usage Report
- 7.6 Budget Revisions: Report sorted by Construction Packages & Soft Costs
- 7.7 Project Budget & Expenditure Report: Sorted by SCC Summary
- 7.8 Budget & Expenditure Report: Sorted by SCC Details
- 7.9 Detail Monthly Expenditure Report: grouped by Project Phase
- 7.10 Cost Report Notes

A. Central Subway Project						
Project	Name	Amount	PM	Funding Source	Reporting	Cost Report Notes
1	CPT544 Central Subway Project	\$1,601,008,106	J. Funghi	62% Fed, 30% State, 8% Local	yes	1
Total:		\$1,601,008,106				
B. Related SFMTA Capital Improvement Projects						
Project	Name	Amount	PM	Funding Source	Reporting	
2	CPT690 TBM Retrieval Shaft Relocation	\$9,700,000	Funghi/Magary	MTA Operating Funds	no	2
3	CPT718 Chinatown Metro Plaza	\$6,980,000	J. Funghi	Transbay Redevelopment	no	3
4	CPT665 Central Subway Project - Goodwill	\$2,367,750	K. Magary	I-Bond Interest	no	4
5	CPT705 MOH - Broadway/Sansome	\$8,000,000	K. Magary	MTA Operating Funds	no	5
Total:		\$27,047,750				
C. Central Subway Project - Project Offset Credits						
	From	Amount	Index	Notes	Reporting	
1	2009-2016 Utility Co. - Form B Reimbursement	\$12,227,954	--	Construction contracts	yes	6
2	2017-2019 PG&E - Power Feed Reimbursement	\$7,624,540	--	Not yet bill PG&E	yes	7
3	6/26/2013 BART Elevator	\$90,000	68CPT544135B	Not yet rec'd BART Funds	yes	8
4	11/6/2013 Tutor Perini - CAD Files	\$2,500	68CPT5441236	Deposit to Design Index	yes	9
5	1/27/2014 SFPUC - Sewer Main	\$2,925,296	68W251	Certified in Contract 1300	yes	10
6	8/27/2014 SFMTA Traffic Effectiveness Project funded	\$694,651	68W324/686D42	Contract 1252 CMod #40	yes	11
7	9/27/2014 SFPUC - 24" Water Main	\$328,860	68CPT544135A	Contract 1252 CMod #41	yes	12
8	2/15/2015 Chinatown Plaza Construction Estimate	\$75,000	68CPT7181341	Contract 1300 CMod #6	yes	13
9	3/27/2015 SFPUC - 24" Water Main Additional Work Support for North Beach Restoration, OCS and	\$112,102	68W409	Contract 1252 CMod #48	yes	14
10	3/15/2016 Streetlighting	\$155,468	68T7373342D2/D3	Contract 1252 CMod #51	yes	15
11	6/27/2016 DPW - MOU for Water Line above YBM Station SFWD - 8' water line at the intersection of Fourth and	\$438,218	68W592	Contract 1300 CMod #20 Contract 1252 CMod #49 partial	yes	16
12	12/9/2016 Jessie Street	\$21,020	68W456	(\$2,102) and #60 Contract 1300 CMOD #123	yes	17
13	1/15/2020 CS-Chinatown Metro Plaza - CN1300	\$9,360,183	68CPT7181341	partial	yes	17a
Total:		\$34,055,792				

Earned Value Cash Flow Curve



Cost Contingency Drawdown



COST ELEMENT	CONTRACT COST					CONTINGENCY					BUDGET	VARIANCE	Cost Report Notes	
	ORIGINAL CONTRACT VALUE / September 2013 SUPPLEMENTAL BUDGET	APPROVED CHANGES	CURRENT CONTRACT VALUE	POTENTIAL CHANGES	ESTIMATE AT COMPLETION (EAC)	ORIGINAL CONTINGENCY / Sep 2013 SUPPLEMENTAL CONTINGENCY (Include CN 1250 & CN1251)	CONTINGENCY ADJUSTMENT TRANSFERS	REVISED AUTHORIZED CONTINGENCY (Include CN1250 & CN1251)	REMAINING CONTINGENCY AFTER APPROVED CHANGES DEDUCTED [h - b]	REMAINING CONTINGENCY AFTER POTENTIAL CHANGES DEDUCTED [i - d]	ORIGINAL CONTRACT VALUE + REVISED AUTHORIZED CONTINGENCY [a + h]	BUDGET - ESTIMATE AT COMPLETE [j - e]		
	a	b	c	d	e	f	g	[f + g]	i	j	j	k		
SCC 10-50 CONSTRUCTION CONTRACT PACKAGES														
1250	UTILITY RELOCATION PACKAGE #1 <i>Contract 1250 Department of Technology</i>	9,273,939 166,756	2,694,211	11,968,150 166,756		11,968,150 166,756	1,953,377	740,834	2,694,211		11,968,150 166,756		18	
1251	UTILITY RELOCATION PACKAGE #2 <i>Contract 1251 Department of Technology</i>	16,832,550 75,615	3,836,531	20,669,081 75,615		20,669,081 75,615	5,367,297	(1,530,766)	3,836,531		20,669,081 75,615		19	
1252	GUIDEWAY TUNNEL	233,584,015	(72,762)	233,511,253	-	233,511,253	23,658,464	(23,731,226)	(72,763)		233,511,253	(1)	20	
1300	STATIONS <i>1253 UNION SQUARE/MARKET ST STATION [UMS]</i>	839,676,400 294,030,590	304,537,299 20,744,337	1,144,213,699 314,774,927	1,322,967 379,885	1,145,536,666 315,154,812	20,000,000 5,000,000	280,369,599 15,000,000	290,869,599 20,000,000	(13,667,700) (744,337)	(14,990,667) (1,124,222)	1,130,545,999 314,030,590	(14,990,667) (1,124,222)	21
	<i>1254 CHINA TOWN STATION [CTS]</i>	247,567,810	157,097,034	404,664,844	535,492	405,200,336	5,000,000	139,679,388	144,679,388	(12,417,646)	(12,953,138)	392,247,198	(12,953,138)	22
	<i>1255 YERBA BUENA/ MOSCONE STATION [YBM]</i>	158,089,000	4,889,959	162,978,959	289,672	163,268,631	5,000,000	10,000,000	15,000,000	10,110,041	9,820,369	173,089,000	9,820,369	
	<i>1256 SURFACE TRACKWORK & SYSTEMS [STS]</i>	139,989,000	121,805,969	261,794,969	117,919	261,912,888	5,000,000	115,690,211	111,190,211	(10,615,758)	(10,733,677)	251,179,211	(10,733,677)	
OTHER		39,923,508	23,775,304	63,698,812		63,698,812	2,056,645	10,560,000	26,958,595	(6,316,709)	(6,316,709)	66,882,103	(6,316,709)	23
	SCC 10 - 50 Construction Sub-total	1,139,532,783	334,770,583	1,474,303,366	1,322,967	1,475,626,333	53,035,782	266,408,441	324,286,173	(19,984,409)	(21,307,376)	1,463,818,956	(21,307,377)	24
SCC 60-80 SOFT COSTS PACKAGES														
60	ROW, LAND, EXISTING IMPROVEMENTS	36,511,799	(4,265,478)	32,246,321		32,246,321	1,000,000	(1,000,000)	0	0	0	32,246,321	0	25
70	VEHICLES	24,108,712	(7,308,712)	16,800,000		16,800,000	2,276,941	(7,076,941)	(4,800,000)	(4,800,000)	(4,800,000)	12,000,000	(4,800,000)	26
80	PROFESSIONAL SERVICES	310,518,041	56,410,151	366,928,192		366,928,192	18,221,079	(16,862,657)	1,358,422	1,358,422	1,358,422	368,286,614	1,358,422	26a
	SCC 60 - 80 Construction Sub-total	371,138,552	44,835,961	415,974,513	0	415,974,513	21,498,020	(24,939,598)	(3,441,578)	(3,441,578)	(3,441,578)	412,532,935	(3,441,578)	
SCC 90	UNALLOCATED CONTINGENCY						3,845,945	(261,295,781)	(257,449,836)	801,869	801,869	801,869	801,869	27
TOTAL		1,510,671,335	379,606,544	1,890,277,879	1,322,967	1,891,600,846	78,379,747	(19,826,938)	63,394,759	(18,884,113)	(18,884,113)	1,877,153,760	(14,447,087)	
												Total Project Budget	1,877,153,760	28
												Estimate At Completion	1,891,600,846	29
												Variance	14,447,086	30

Note #17 - Adjusted Contract 1252 Guideway Tunnel contingency "column g" to reflect construction contract modifications #20, #40, #41, #48, #51 and #60 were funded by other funding sources.

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	839,676,400				\$1,144,213,699
Substantial Completion	Spring 2021				Spring 2021
	UMS	CTS	YBM	STS	COST REPORT NOTES
Potential Changes	379,885	535,492	289,672	117,919	31
Change Order - Pending					
CTS COR 2554 Plaza Lvl Fireproofed		2,095			
CTS PCC 1025 SU13A Grout Protection		1,431			
CTS PCC 863 Stair Nosing		1,101			
Job Readiness - CTS		(195,000)			
Job Readiness - STS				(70,000)	
Job Readiness - UMS	(195,000)				
Job Readiness - YBM			(70,000)		
STS COR 2129 Confirm Revised Routin				3,600	
STS COR 2266 Escalator Ultra violet				0	
STS PCC 1019 OCS Revisions at CTS				7,353	
STS PCC 1020 ATCS Cable Mod at Lenn				2,402	
STS PCC 1046 SCADA HMI Laptop OCC				2,675	
STS PCC 974 OCS Modifications CTS				19,093	
UMS PCC 1028 Fusible Disconnect Swi	17,064				
YBM PCC 1000 Esc 1 & 2 Cladding Fla			15,211		
YBM PCC 1017 Rmv-Rlct Wire& Conduit			1,664		
YBM PCC 1045 LEO Operators			2,247		
YBM PCC 824 Station Signage Revise			32,356		
YBM PCC 916 Revisions to IV302			45,500		
YBM PCC 970 Non-compliance Rectific			57,146		
Change Order Request (COR)					
COR 2656 UMS YBM ground test requir			93,157		
CTS COR 1042 SFWD Delay		142			
CTS COR 1966 Add'l Revision to Elev		316			
CTS COR 2165 Rebar at Stair 7 Slab		594			
CTS COR 2166 Layer of Rebar to CC A		1,210			
CTS COR 2330 Move Concrete Wall		1,017			
CTS COR 2350 Landscape Des. Issues		2,871			
CTS COR 2354 GFRC-1 Panel Det		5,057			
CTS COR 2363 Reloc. Switch Bank		15,248			
CTS COR 2385 Elev Rough Opening		1,963			
CTS COR 2398 GFRC Soffit		3,312			
CTS COR 2423 DBI Relocating Signs		1,978			
CTS COR 2433 H Beam Angle Rev		4,381			
CTS COR 2446 Chgs to Glass at Coil		9,326			
CTS COR 2447 EXP Joint Cover		5,052			

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	839,676,400				\$1,144,213,699
Substantial Completion	Spring 2021				Spring 2021
	UMS	CTS	YBM	STS	COST REPORT NOTES
CTS COR 2449 Circuit Breaker Change		3,842			
CTS COR 2453 Rail Mod Due to Damper		3,144			
CTS COR 2461 Vent Shaft Drainage		6,853			
CTS COR 2466 CTS Power for UPS Batt		4,423			
CTS COR 2477 Stair Glass & Framing		10,689			
CTS COR 2495 Demountable GFRC		2,744			
CTS COR 2499 PSC Added Esc Barrier		235			
CTS COR 2520 Beam Conflict Stair 6		1,846			
CTS COR 2530 GFRC Panels Over Doors		6,398			
CTS COR 2558 power for door operato		2,145			
CTS COR 2567 GFRC plate details		4,285			
CTS COR 2575 Rolling Gate Add Hardw		445			
CTS COR 2594 Parapet Wall at Plaza		22,472			
CTS COR 2606 anti static floor		1,425			
CTS COR 2611 location of switches		2,669			
CTS COR 2615 relocation of cmu wall		5,866			
CTS COR 2622 added bathroom accesso		988			
CTS COR 2624 V-rail at crosscut cav		3,334			
CTS COR 2651 Install LEO Door Opera		238			
CTS COR 2661 area of refuge conflic		13,662			
CTS COR 2665 changes tele enc		822			
CTS COR 2688 HSS support GL C		4,422			
GEN COR 1686 T&M Delay Impacts	397,387				
STS COR 1676 Pavement Renovation De				54	
STS COR 2002 All Stations Keying Sc				571	
STS COR 2362 Doors Project Delay Im				15,230	
STS COR 2383 Signal Power Wiring De				627	
STS COR 2390 Termination Details fo				2,039	
STS COR 2434 Facilitate Routing of				6,778	
STS COR 2441 SCADA PLC Cabinet Powe				2,796	
STS COR 2452 Revise Radio Mount due				2,090	
STS COR 2493 Elevator Cabs CCTV Cab				5,856	
STS COR 2517 CAT XQ425 Generator wi				1,838	
STS COR 2533 Excavation Permit to P				503	
STS COR 2543 Groundwater Intrusion				5,920	
STS COR 2601 Plumbing and Fire Perm				551	
STS COR 2620 TCP for the Installati				3,127	
STS COR 428 Sewer Roof Repair Detai				2,630	

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	839,676,400				\$1,144,213,699
Substantial Completion	Spring 2021				Spring 2021
	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 487 Re inspection of 4th an				7,862	
UMS COR 2467 RPSC Change Door Stops	721				
UMS COR 2475 Acc Ctrl @ Door CN34B	987				
UMS COR 2500 Bart Powell New Elev E	1,179				
UMS COR 2566 revis sdwk pave grade	2,138				
UMS COR 2610 Elv Relocatn of Existi	96,948				
YBM COR 2375 Access control for eme			16,023		
YBM COR 2399 Beam and Door Conflict			1,870		
YBM COR 2425 Surface Level Exterior			1,547		
YBM COR 2474 Revisions at Elevators			13,688		
YBM COR 2480 Metal panel cut-outs a			5,002		
YBM COR 2496 Elevator 3 & 4 Hoistwa			2,294		
YBM COR 2633 Water Intrusion			2,305		
Negotiation					
COR 2659 CTS fire alr horn strobe		55			
CTS 2602 Station Agent Booth Cab Do		1,315			
CTS COR 1810 Aluminum Roll Up Door		0			
CTS COR 1827 PA Mounting Detail		0			
CTS COR 1898 Concrete Wall Rebar to		0			
CTS COR 1924 Main Power Grating		0			
CTS COR 2416 Rev Floor Mounting		2,875			
CTS COR 2484 Reloc.&Instl Sprinkler		263			
CTS COR 2487 Recess in Conc. Wall		613			
CTS COR 2516 Provide Specs Terrazzo		1,885			
CTS COR 2525 Provide OH Elect DD EI		2,246			
CTS COR 2532 Provide SPEC & DES Det		1,476			
CTS COR 2538 PSC Provide REV Mounti		438			
CTS COR 2555 Power to Radio Cabinet		104			
CTS COR 2560 conflict with sprinkle		5,998			
CTS COR 2574 Finish on Concrete Wal		659			
CTS COR 2576 additional finish requ		1,587			
CTS COR 2577 thin paver at doors		546			
CTS COR 2582 GFRC Closure Trim at C		1,506			
CTS COR 2584 Painting GSM Coping		195			
CTS COR 2588 Stair 7 Handrail Termi		550			
CTS COR 2591 stair 6 col, beam, sla		990			
CTS COR 2595 added ss closure		11,397			
CTS COR 2596 wayfinding signage cha		36			

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	839,676,400				\$1,144,213,699
Substantial Completion	Spring 2021				Spring 2021
	UMS	CTS	YBM	STS	COST REPORT NOTES
CTS COR 2598 Wood Trim Artwork Para		1,959			
CTS COR 2604 cmoke door adj		184			
CTS COR 2605 sub 10 14 00 07 rev		251			
CTS COR 2611 location of switches		612			
CTS COR 2618 surface finish boxes		601			
CTS COR 2638 specs fm fire cabinet		597			
CTS COR 2639 parapet GSM coping		305			
CTS COR 2641 Stair 6 CMU Wall Suppo		377			
CTS COR 2645 TPO roof membrane sht		2,965			
CTS COR 2649 utility trough ceiling		6,600			
CTS COR 2650 revised electrical for		2,336			
CTS COR 2661 area of refuge conflic		2,878			
CTS COR 2664 surface F3 fixture		74			
CTS PCC 548 Spot Acceleration 2.15		0			
CTS PCC 593 Station Benches Change		0			
CTS PCC 924 Access for Pipes at CMU		2,414			
CTS PCC 932 Power to Rails		1,326			
CTS PCC 934 Re-groutable Hose Inje		52,400			
CTS PCC 943 Reactivate 12" AWSS		29,348			
CTS PCC 960 Cement Board for Terraz		3,816			
CTS PCC 966 Neg Grnd Disconnect Swi		9,285			
CTS PCC 973 Prtctv Fiberglass Pipe		35,252			
CTS PCC 989 Elevator-Escalator Room		112,552			
CTS PCC 993 12' Vehicular Lane		2,451			
STS COR 2549 DSC NOD Miss 2" Sleev				94	
STS COR 2557 Changes to End of Plat				4,268	
STS COR 2583 CTS Stair Interface, N				3,633	
STS COR 2586 & Direction to Tie In				682	
STS COR 2658 portal gate in conflic				348	
STS PCC 1003 Traction Power K-6 Tie				5,358	
STS PCC 1039 OCS Support Rev SB UMS				2,777	
STS PCC 1044 Additional UTP Extend				485	
STS PCC 504 Traffic Control Require			3,445		
STS PCC 790 4th Street Portal Gate				9,611	
STS PCC 803 Add COVID Monitoring				11,483	
STS PCC 807 Cross Passage Door Fram				4,053	
STS PCC 921 OCS Dead End Revisions				5,493	
STS PCC 942 location of Directional				0	

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	839,676,400				\$1,144,213,699
Substantial Completion	Spring 2021				Spring 2021
	UMS	CTS	YBM	STS	COST REPORT NOTES
STS PCC 957 ATCS RLB Support Mod				2,031	
STS PCC 980 Spot Acceleration				34,101	
UMS COR 2032 Mountaining Dtl Lght	1,977				
UMS COR 2297 Steel Ch @ Joint	499				
UMS COR 2512 Confirm Removal/Abando	3,526				
UMS COR 2559 Sprinkler under Plat	3,004				
UMS COR 2627 sub 10 14 00-005	0				
UMS COR 2663 powell ele tile change	987				
UMS PCC 1006 Bird Netting Placement	10,286				
UMS PCC 1027 Relocate S Pltfrm CCTV	26,441				
UMS PCC 1037 Glass Guardrail & Prec	480				
UMS PCC 1038 Install Limit Switch	7,696				
UMS PCC 802 Dlt BART Faregate	(765)				
YBM COR 390 Chip Mezzanine Headwall			4,800		
YBM PCC 1010 Missing UPS Wiring			4,662		
YBM PCC 1016 Guardrail Esc Mchn Rm			1,577		
YBM PCC 1030 Resolution of Elec Con			7,296		
YBM PCC 1054 Additional Water Mitig			805		
YBM PCC 1056 CCTV Camera Relocation			1,708		
YBM PCC 748 Added FSDs in Sector 3			8,502		
YBM PCC 770 Revised Wall Panels			7,666		
YBM PCC 889 Replace Transformer T-1			12,320		
YBM PCC 910 Water Remediation			805		
YBM PCC 939 Finishes for Gaps at Es			0		
YBM PCC 994 Esc Mac Rm Sliding Door			2,621		
Proposed Contract Change (PCC)					
CTS PCC 1002 T.Arais Artwork Scp Ch		32,553			
CTS PCC 1015 Removal of Hand&Gurad		255			
CTS PCC 1024 X3 Fixture Rev Location		38			
CTS PCC 1026 TPS East Wall Leak		16,658			
CTS PCC 1035 Rev1 Details of Subgrit		25,406			
CTS PCC 486Rev 1 Structural Slab Cha		3,049			
CTS PCC 548 Spot Acceleration		160,000			
CTS PCC 728Rev 1 Rev to Restroom Plz		834			
CTS PCC 937 Switchgear Anchor in TP		400			
CTS PCC 946 Cavern Grout Equivalent		13,932			
CTS PCC 971 Sidewalk Blockout for S		400			
CTS PCC 987 Provide Branch Selector		0			

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	839,676,400				\$1,144,213,699
Substantial Completion	Spring 2021				Spring 2021
	UMS	CTS	YBM	STS	COST REPORT NOTES
CTS PCC 992 Protection for Cables		1,034			
CTS PCC628 Police Officer at Powell		12,000			
CTS PCC746 GFRC Framing Support		578			
STS PCC 1021 Tunnel Leak Repair				71	
STS PCC 1023 Traffic Barrier Remova				1,955	
STS PCC 618 Mod Swoosh Arm P1 P2				753	
STS PCC 725 ATS for CP5 Sump Pump				2,574	
STS PCC 831 ATCS Equip Transport				3,988	
STS PCC 938 Electrical Cabinet Revi				36	
STS PCC 958 Asbestos Testing Abate				800	
STS PCC 978 Delete Tiles & Barriers				(269)	
UMS PCC 1004 EOP Gate Clearance	1,226				
UMS PCC 1034R1 Instl Rmnb Guardrail	864				
UMS PCC 930 Pwr for Gap Breaker Rm	639				
UMS PCC 941 EV Fan Damper Guardrail	1,600				
YBM PCC 1032 Eye Wash Sta Relocatio			1,808		
YBM PCC 817 Revise Spindle Length			800		
YBM PCC 933 Lighting Revisions in M			8,000		
YBM PCC 949 Dtls for Esc Cladding			2,170		
YBM PCC 982 Protection for Neg Rtrn			677		
Approved	20,744,337	157,097,034	4,889,959	121,805,969	
Contract Modification					
CMod # 14 YBM COR 036, 078			58,526		
CMod #017 CTS CORs 001 053 & 069		54,322			
CMod #018 CTS PCC 012		60,248			
CMod #021 STS CORs 48/52/114/233/252				18,221	
CMod #025 - Various CORs			59,113		
CMod #026 YBM COR 072			84,509		
CMod #027 UMS PCC 092	0				
CMod #028 CTS PCC 017.1		97,743			
CMod #029 STS PCC 009.1					(143,668)
CMod #033 CTS Various CORs		56,422			
CMod #034 CTS Various CORs		19,334			
CMod #035 STS PCC 077				11,147	
CMod #037 CTS Various CORs		8,886			
CMod #038 STS Various CORs				52,553	
CMod #039 UMS Various CORs	23,271				
CMod #040 YBM Analytical Soil Test			3,655		

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	839,676,400				\$1,144,213,699
Substantial Completion	Spring 2021				Spring 2021
	UMS	CTS	YBM	STS	COST REPORT NOTES
CMod #049 STS DSC CORs				136,728	
CMod #050 STS DSC CORs				67,036	
CMod #053 STS DSC CORs				17,035	
CMod #081 Various DSC CORs & PCCs			57,886		
CMod #082 YBM COR 385			21,170		
CMod #083 YBM Various Changes			27,270		
CMod #084 YBM Various Changes			12,156		
CMod #085 YBM COR 086 Existing AT&T			156,831		
CMod #086 YBM COR 1106			1,897		
CMod #1 BART Elevator Option 1 @ Pow	90,000				
CMod #10 YBM PCC 042			64,287		
CMod #100 UMS PCC 102 Fire & Life	48,149				
CMod #101 YBM COR 75 Slurry Wall			22,423		
CMod #102 STS PCC 410 ATCS Ext Cable				125,412	
CMod #103 UMS PCC 345 Lead Paint	221,766				
CMod #104 CTS Soil CMod Suppl CMOD19		1,621,173			
CMod #105 UMS Schedule Recovery	732,979				
CMod #106 CTS COR 1080 Acceleration		970,131			
CMod #107 YBM PCC 446 COR 1425			1,500,787		
CMod #108 STS Various Changes				50,400	
CMod #109 YBM 109 Various CORs			33,471		
CMod #11 UMS PCC 002	12,997				
CMod #110 UMS COR 251 770 779 781	118,911				
CMod #111 STS PCC 457 Traffic Signal				38,012	
CMod #112 UMS Various Changes	337,401				
CMod #113 STS Various Changes				103,369	
CMod #114 YBM Various CORs			99,028		
CMod #115 CTS Various Force Accounts		25,026			
CMod #116 UMS COR 034/CCC 004 Type B	627,081				
CMod #117 YBM Various PCCs			111,027		
CMOD #118 YBM Various PCCs & CORs			421,616		
CMod #12 STS Traffic Control				1,032,302	
CMod #123 CTS PCC 050 Chinatown Plaz		9,360,183			
CMod #124 STS Delete ARS				(4,876,785)	
CMod #125 Omnibus				18,995,027	
CMod #126 YBM Door Hardware PCC 318			1,648,534		
CMod #127 STS Office Lease				1,845,604	
CMod #128 STS Radio System Revisions				1,666,735	

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount Substantial Completion	839,676,400 Spring 2021					\$1,144,213,699 Spring 2021 COST REPORT NOTES
	UMS	CTS	YBM	STS		
CMod #13 CTS COR 006		57,707				
CMod #130 ATCS				15,920,625		
CMod #131 PCC 569 EVAC Fire Alarm				1,210,445		
CMod #133 CTS Frontier Temper Claims		10,382,106				
CMod #136 Fire Alarm				6,976,834		
CMod #15 YBM COR 196			3,178			
CMod #16 UMS COR 184	8,261					
CMod #19 CTS COR 007, 026		2,274,225				
CMod #20 YBM PCC 047 and 45			364,562			
CMod #22 UMS PCC 045, 046	16,198					
CMod #23 UMS PCC 058	63,838					
CMod #3 CTS Work Safely Ard Power Po		25,956				
CMod #30 YBM Various CORs			334,165			
CMod #31 UMS COR 595	53,701					
CMod #32 YBM Various PCCs			92,934			
CMod #36 YBM Conflict with Waterline			14,484			
CMod #4 CTS-Force Account Change Or		130,000				
CMod #41 YBM Class 2 Conta. Material			40,250			
CMod #42 UMS Addl. Service Conduits	36,873					
CMod #43 UMS D85 Structural Pile	65,188					
CMod #44 UMS Grade 50 Steel	572,884					
CMod #46 YBM/CTS/UMS S.walk Hatches			35,489			
CMod #47 UMS Roof Deck Schedule	76,124					
CMod #48 UMS Undgrnd. Storage Tanks	97,817					
CMod #5 YBM Deletion of Comp Groutin			(1,833,869)			
CMod #51 YBM Various CORs and PCCs			24,875			
CMod #52 YBM Undgrnd. Storage Tanks			167,393			
CMod #54 UMS USG Underpinning	732,157					
CMod #55 YBM Archeological Discovery			102,734			
CMod #56 YBM Contaminated Material			106,923			
CMod #57 STS Crossover Materials				21,245		
CMod #58 STS DSC CORs				90,081		
CMod #59 CTS DSC CORs		66,592				
CMod #6 CTS Plaza Constr Supt Servi		75,000				
CMod #60 UMS USG Two Fuel Tanks	61,312					
CMod #61 YBM Various CORs			207,181			
CMod #62 UMS Wales and Waterproofing	277,714					
CMod #63 CTS DSC CORs		38,025				

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	839,676,400				\$1,144,213,699
Substantial Completion	Spring 2021				Spring 2021
	UMS	CTS	YBM	STS	COST REPORT NOTES
CMod #64 STS DSC CORs and SFWD				52,570	
CMod #65 UMS Various CORs and PCCs	10,320				
CMod #66 STS Sewer Notching				66,949	
CMod #67 UMS Solar/Low-e Coating	23,290				
CMod #68 STS Various CORs				59,555	
CMod #69 UMS Various CORs	49,682				
CMod #70 YBM Various CORs			178,079		
CMod #71 UMS Haz and Asbestos Abate	81,907				
CMod #72 YBM COR 249. 566			74,694		
CMod #74 UMS PCC 39 12" Wtrln Reloc	336,236				
CMod #75 UMS COR 060 New 8" Wtr Line	58,672				
CMod #76 YBM COR 806 Gardril credits			(9,611)		
CMod #77 STS Various Changes				56,629	
CMod #78 STS Various DSC CORs				191,175	
CMod #79 STS PCC 014 Traffic Signal				242,427	
CMod #80 STS Add'l Work to DSCs CORs				111,701	
CMod #87 CTS Var Slurry Wall Changes		3,596,000			
CMod #88 STS Various COR Misc Work				38,346	
CMod #89 YBM CORs 390,485 & 848			85,095		
CMod #9 YBM COR 10,15,16,18,20,25			126,663		
CMod #90 CTS DRB Reimbursement		1,296,364			
CMod #91 YBM PCC 069			84,537		
CMod #92 CTS PCC 233 & 26		1,126,478			
CMod #93 STS Coordinate of ATCS Work				(18,036,709)	
CMod #94 UMS Various Changes	46,057				
CMod #95 UMS Bart Elv Opt 2 Add Cost	400,000				
CMod #96 UMS Comp Grout Quantities	775,000				
CMod #97 STS COR 322 Tunnel Cleaning				399,000	
CMod #98 YBM PCC 76 AWSS SSFM			163,113		
CMod #99 UMS Various Changes	996,584				
CMod 073 - PCC 066 PB				96,516	
CMOD 24 STS PCC 23				108,053	
CMod#119: UMS: Various Changes PCC 110, 124, 127 190, 191, 247, and 429	131,687				
CMod#120: UMS: PCC 122R1 - UMS 1 1/2 inch Drain Piping Grout Details - Dowel Support	560,280				
CMod#121: YBM: Various Changes COR 825, 1359, 1610 and PCC 320R1			142,904		
CMod#132 STS - CCC 105 Impacts of DSCs and Design Changes to Valverde				11,800,000	
CMod#134: STS - Omnibus 1 Settlement				29,848,737	

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	839,676,400				\$1,144,213,699
Substantial Completion	Spring 2021				Spring 2021
	UMS	CTS	YBM	STS	COST REPORT NOTES
Cmod#135: UMS - Layne Claims	13,000,000				
Cmod#137: CTS - Global Settlement		93,600,000			
Cmod#138: STS - Omnibus 2 Settlement				53,000,000	
CMod#7 STS FACOs 016, 017 &COR 009				80,170	
CMod#8 STS PCC 006 ATT MH, PB&Trench				225,208	
Cmod#884 UMS - Automobile Bus Acceleration - dummy	0				
Cmod#885: CTS - Communications - dummy		915,111			
Cmod#886: YBM - Communications - dummy			0		
Cmod#889: STS - Automobile Bus Acceleration -dummy				0	
CTS CMod #122 Schedule Delay Costs		31,240,000			
STS CMod 045 PCC 008 Tunnel Lowering				107,285	
Grand Total	21,124,222	157,632,526	5,179,631	121,923,888	

7.6 BUDGET REVISIONS: REPORT SORTED BY CONSTRUCTION PACKAGES & SOFT COSTS

Report Period: September 2021

		August 2021			September 2021				
Group by Contract & SCC	CATEGORY ITEM	August 2021 Base	August 2021 Allocated Contingency	August 2021 Base + Allocated Contingency (YOE)	September 2021 Base	September 2021 Allocated Contingency	September 2021 Base + Allocated Contingency (YOE)	BUDGET TRANSFERS [September 2021] vs. [August 2020]	Cost Report Notes
10-50	CONSTRUCTION CONTRACT PACKAGES	1,479,584,182	(20,607,174)	1,463,818,958	1,479,722,157	(20,745,148)	1,463,818,958	0	
1250	UTILITY RELOCATION PACKAGE #1	12,134,906		12,134,906	12,134,906		12,134,906	0	
	Contract 1250 Form B Credit	(2,275,419)		(2,275,419)	(2,275,419)		(2,275,419)	0	
1251	UTILITY RELOCATION PACKAGE #2	20,744,696		20,744,696	20,744,696		20,744,696	0	
	Contract 1251 Form B Credit	(7,618,412)		(7,618,412)	(7,618,412)		(7,618,412)	0	
1252	GUIDEWAY TUNNEL	233,511,253	0	233,511,253	233,511,253	0	233,511,253	0	32
	Contract 1252 Form B Credit	(254,050)		(254,050)	(254,050)		(254,050)	0	
1300	CN1300 STATIONS TOTAL	1,143,776,465	(21,767,174)	1,122,009,291	1,143,914,439	(21,905,148)	1,122,009,291	0	33
1253: UMS	UNION SQUARE/MARKET STREET STATION [UMS]	314,774,927	(744,337)	314,030,590	314,774,927	(744,337)	314,030,590	0	
	UMS 1253 Form B Credit	(528,370)		(528,370)	(528,370)		(528,370)	0	
1254: CTS	CHINA TOWN STATION [CTS]	404,227,611	(11,980,413)	392,247,198	404,365,585	(12,118,387)	392,247,198	0	
	CTS 1254 Form B Credit	(451,703)		(451,703)	(451,703)		(451,703)	0	
1255: YBM	YERBA BUENA/ MOSCONE STATION [YBM]	162,978,959	10,110,042	173,089,001	162,978,959	10,110,042	173,089,001	0	
	YBM 1255 Form B Credit	(100,000)		(100,000)	(100,000)		(100,000)	0	
1256: STS	SURFACE TRACKWORK & SYSTEMS [STS]	261,794,969	(19,152,467)	242,642,502	261,794,969	(19,152,467)	242,642,502	0	
	STS 1256 SFPUC SEWER MAIN CREDIT	(2,925,296)		(2,925,296)	(2,925,296)		(2,925,296)	0	
	STS 1256 Form B Credit	(1,000,000)		(1,000,000)	(1,000,000)		(1,000,000)	0	
OTHER	OTHER CONSTRUCTION TOTAL	89,412,062	1,160,000	90,572,062	89,412,062	1,160,000	90,572,062	0	
40.06	PUBLIC ART PROGRAM	8,175,555	1,160,000	9,335,555	8,175,555	1,160,000	9,335,555	0	
40.08	CN1300 JOB READINESS PROGRAM - OUTREACH	1,060,000		1,060,000	1,060,000		1,060,000	0	33
40.02	MISC. CONSTR CONTRCT WK (TRACTION POWER FOR 1251)	258,202		258,202	258,202		258,202	0	
40.01	CONTRACT 1300 SOIL PROCESS	500,000		500,000	500,000		500,000	0	34
50.01	THALES T&S ATCS	487,972		487,972	487,972		487,972	0	
50.01	CN1266-2 Advanced Train Control System (ATCS) - Implementation	25,007,930		25,007,930	25,007,930		25,007,930	0	34a
50.01	CN1266-1 Advanced Train Control System (ATCS) - Equipment	3,425,424		3,425,424	3,425,424		3,425,424	0	34a
50.06	MTA FARE COLLECTION EQUIPMENT	5,400,000		5,400,000	5,400,000		5,400,000	0	
50.06	BART FARE COLLECTION EQUIPMENT	700,000		700,000	700,000		700,000	0	

7.6 BUDGET REVISIONS: REPORT SORTED BY CONSTRUCTION PACKAGES & SOFT COSTS

Report Period: September 2021

		August 2021			September 2021				
Group by Contract & SCC	CATEGORY ITEM	August 2021 Base	August 2021 Allocated Contingency	August 2021 Base + Allocated Contingency (YOE)	September 2021 Base	September 2021 Allocated Contingency	September 2021 Base + Allocated Contingency (YOE)	BUDGET TRANSFERS [September 2021] vs. [August 2020]	Cost Report Notes
40.02	JOB ORDER CONTRACTS (JOCS) - CONSTRUCTION	117,255		117,255	117,255		117,255	0	
40.08	AON RISK INSURANCE	26,778,757		26,778,757	26,778,757		26,778,757	0	34b
40.02	PUBLIC AGENCIES UTILITY COORDINATION	3,713,215		3,713,215	3,713,215		3,713,215	0	
40.02	DEPARTMENT OF PARKING AND TRAFFIC (DPT)	1,200,000		1,200,000	1,200,000		1,200,000	0	
50.03	UNION SQUARE/ MARKET STREET STATION POWER FEED	2,959,826		2,959,826	2,959,826		2,959,826	0	
50.03	UNION SQUARE/ MARKET STREET STATIONS PERMANENT POWER	(2,350,000)		(2,350,000)	(2,350,000)		(2,350,000)	0	
50.03	CHINATOWN STATION POWER FEED	2,959,826		2,959,826	2,959,826		2,959,826	0	
50.03	CHINATOWN STATION PERMANENT POWER	(2,350,000)		(2,350,000)	(2,350,000)		(2,350,000)	0	
50.03	YERBA BUENA/ MOSCONE STATION [YBM] POWER FEED	3,125,222		3,125,222	3,125,222		3,125,222	0	
50.03	YERBA BUENA/ MOSCONE STATION [YBM] PERMANENT POWER	(2,368,540)		(2,368,540)	(2,368,540)		(2,368,540)	0	
50.03	SURFACE STATION POWER FEED	11,839		11,839	11,839		11,839	0	
50.04	COMMUNICATION CONNECTION COSTS	5,757,629		5,757,629	5,757,629		5,757,629	0	
50.05	CSP Radio Design	641,950		641,950	641,950		641,950	0	34c
50.05	CSP Radio Cable	377,788		377,788	377,788		377,788	0	34c
50.05	CSP Radio Design Procurement	3,822,212		3,822,212	3,822,212		3,822,212	0	34c
60	ROW, LAND, EXISTING IMPROVEMENTS	32,246,321	0	32,246,321	32,246,321	0	32,246,321	0	
60.01	PURCHASE OR LEASE OF REAL ESTATE	30,065,810	0	30,065,810	30,065,810	0	30,065,810	0	35
60.02	RELOCATION OF EXISTING HOUSEHOLDS	2,180,511		2,180,511	2,180,511		2,180,511	0	
70	VEHICLES	12,000,000	0	12,000,000	12,000,000	0	12,000,000	0	
70.01	LIGHT RAIL	12,000,000	0	12,000,000	12,000,000	0	12,000,000	0	36
80	PROFESSIONAL SERVICES	366,928,190	1,358,422	368,286,612	366,928,190	1,358,422	368,286,612	0	
80.01	PRELIMINARY ENGINEERING	46,202,674		46,202,674	46,202,674		46,202,674	0	
80.02	FINAL DESIGN	61,318,331		61,318,331	61,318,331		61,318,331	0	
80.03	PROJECT MANAGEMENT FOR DESIGN & CONSTRUCTION	110,742,469	0	110,742,469	110,742,469	0	110,742,469	0	36a

7.6 BUDGET REVISIONS: REPORT SORTED BY CONSTRUCTION PACKAGES & SOFT COSTS

Report Period: September 2021

		August 2021			September 2021				
Group by Contract & SCC	CATEGORY ITEM	August 2021 Base	August 2021 Allocated Contingency	August 2021 Base + Allocated Contingency (YOE)	September 2021 Base	September 2021 Allocated Contingency	September 2021 Base + Allocated Contingency (YOE)	BUDGET TRANSFERS [September 2021] vs. [August 2020]	Cost Report Notes
80.04	CONSTRUCTION ADMINISTRATION & MANAGEMENT	125,777,105	0	125,777,105	125,777,105	0	125,777,105	0	36a
80.05	INSURANCES	6,800,000		6,800,000	6,800,000		6,800,000	0	
80.06	LEGAL: PERMITS. REVIEW FEES BY OTHER AGENCIES	8,212,604		8,212,604	8,212,604		8,212,604	0	
80.07	SURVEYS, TESTING, INVESTIGATION. INSPECTION	933,100		933,100	933,100		933,100	0	
80.08	START-UP	6,941,907	1,358,422	8,300,329	6,941,907	1,358,422	8,300,329	0	
	ALL SCC CATEGORIES 10 TO 80	1,890,758,694	(19,248,752)	1,876,351,891	1,890,896,668	(19,386,726)	1,876,351,891		37
90	UNALLOCATED CONTINGENCIES			801,872			801,872		38
	TOTAL PROJECT COST 10 TO 100			1,877,153,764			1,877,153,764		
	TOTAL CONTINGENCY								
	CONTINGENCY MINIMUM								
	BELOW OR ABOVE MINIMUM								

COST STATUS BY CATEGORY	SCC CODES	Sum of Supplemental 2013 Budget	BUDGET August 2021	BUDGET TRANSFERS	BUDGET September 2021	Sum of September 2021	Remaining Budget (Column H-Column I)	September 2021 EAC	September 2021 Contingency	Cost Report Notes
		A	B	C	D	E	F	G	H	
GUIDEWAY & TRACK ELEMENTS	SCC 010	282,227,872	284,261,448	-	284,261,448	284,187,666	73,782	284,261,448	-	39
STATIONS, STOPS, TERMINALS, INTERMODAL	SCC 020	573,099,645	543,170,779	-	543,170,779	548,910,848	(5,740,069)	565,265,522	-	39
SITework & SPECIAL CONDITIONS	SCC 040	235,514,097	507,149,098	-	507,149,098	517,977,730	(10,828,632)	505,978,140	-	39
SYSTEMS	SCC 050	90,774,397	129,237,634	-	129,237,634	110,053,329	19,184,305	120,121,224	-	39
ROW, LAND, EXISTING IMPROVEMENTS	SCC 060	37,511,799	32,246,321	-	32,246,321	30,718,744	1,527,577	32,246,321	-	
VEHICLES	SCC 070	26,385,653	12,000,000	-	12,000,000	11,929,247	70,753	16,800,000	-	
PRELIM ENGINEERING	SCC 080.01	46,202,673	46,202,674	-	46,202,674	46,202,675	(1)	46,202,674	-	
FINAL DESIGN	SCC 080.02	61,137,604	61,318,331	-	61,318,331	61,282,422	35,909	61,318,331	-	
PM FOR DESIGN & CONSTRUCTION	SCC 080.03 - 080.04	197,146,664	236,519,574	-	236,519,574	229,908,277	6,611,297	236,519,574	-	39
OTHER PROF SRVCS	SCC 080.05 - 080.08	24,416,118	24,246,033	-	24,246,033	13,998,014	10,248,019	22,887,611	-	
UNALLOC CONTINGENCY	SCC 090	3,883,480	801,869	-	801,869	-	801,869			39
Grand Total		1,578,300,000	1,877,153,760	-	1,877,153,760	1,855,168,951	21,984,809	1,891,600,845	-	

SCC DESCRIPTION	September 2021 BUDGET	September 2021 CTD
010 - GUIDEWAY & TRACK ELEMENTS	284,261,448	284,187,666
020 - STATIONS, STOPS, TERMINALS, INTERMODAL	543,170,779	548,910,848
040 - SITEWORK & SPECIAL CONDITIONS	507,149,098	517,977,730
050 - SYSTEMS	129,237,634	110,053,329
060 - ROW, LAND, EXISTING IMPROVEMENTS	32,246,321	30,718,744
070 - VEHICLES (number)	12,000,000	11,929,247
080 - PROFESSIONAL SERVICES (applies to Cats. 10-50)	368,286,612	351,391,388
090 - UNALLOCATED CONTINGENCY	801,869	0
Grand Total	1,877,153,760	1,855,168,951

SCC DESCRIPTION	September 2021 BUDGET	September 2021 CTD
010.02-Guideway: At grade semi-exclusive (allows cross-traffic)	2,860,000	2,860,000
010.06-Guideway: Underground cut & cover	69,816,407	69,806,407
010.07-Guideway: Underground tunnel	200,374,315	200,314,965
010.09-Track: Direct fixation	6,761,089	6,756,657
010.12-Track: Special (switches, turnouts)	4,449,637	4,449,637
020.01-At-grade station, stop, shelter, mall, terminal, platform	7,602,857	6,946,667
020.02-Aerial station, stop, shelter, mall, terminal, platform	(19,152,467)	0
020.03-Underground station, stop, shelter, mall, terminal, platform	523,048,313	519,760,555
020.04-OTHER STATIONS, LANDING, TERMINALS: INTERMODAL, FERRY, TROLLEY, ETC	9,360,183	0
020.07-Elevators, escalators	22,311,892	22,203,626
040.01-Demolition, Clearing, Earthwork	12,754,615	12,502,015
040.02-Site Utilities, Utility Relocation	68,753,443	80,370,662
040.03-Haz. mat'l, contam'd soil removal/mitigation, ground water treatments	9,423,125	7,635,979
040.04-Environmental mitigation, e.g. wetlands, historic/archeologic, parks	1,122,899	626,185
040.05-Site structures including retaining walls, sound walls	2,706,431	2,706,431
040.06-Pedestrian / bike access and accommodation, landscaping	9,790,995	5,609,818
040.07-Automobile, bus, van accessways including roads, parking lots	6,579,099	18,749,866
040.08-Temporary Facilities and other indirect costs during construction	396,018,492	389,776,774
050.01-Train control and signals	38,688,008	32,128,659
050.02-Traffic signals and crossing protection	12,804,956	12,186,143
050.03-Traction power supply: substations	21,465,073	23,347,599
050.04-Traction power distribution: catenary and third rail	12,441,113	5,918,558
050.05-Communications	35,123,897	33,103,419
050.06-Fare collection system and equipment	6,100,000	841,265
050.07-Central Control	2,614,586	2,527,686
060.01-Purchase or lease of real estate	30,065,810	28,309,314
060.02-Relocation of existing households and businesses	2,180,511	2,409,430
070.01-Light Rail	12,000,000	11,929,247
080.01-Preliminary Engineering	46,202,674	46,202,675
080.02-Final Design	61,318,331	61,282,422
080.03-Project Management for Design and Construction	91,271,972	87,073,304
080.04-Construction Administration & Management	145,247,602	142,834,973
080.05-Professional Liability and other Non-Construction Insurance	6,800,000	6,340,196
080.06-Legal; Permits; Review Fees by other agencies, cities, etc.	8,212,604	6,560,876
080.07-Surveys, Testing, Investigation, Inspection	933,100	908,184
080.08-Start up	8,300,329	188,758
090.00-Unallocated Contingency	801,869	0
Grand Total	1,877,153,760	1,855,168,951

[A] Cost Account Description	[B] Sep 2021 Budget (YOE)	ACTUAL COSTS					[G] VARIANCE (B - F)	COST REPORT NOTES
		[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total			
TOTAL PRELIMINARY ENGINEERING	46,542,061	46,542,061	0	0	46,542,061	0	40	
11 - SFMTA PROJECT MANAGEMENT	8,800,164	8,253,957	0	0	8,253,957	546,208	41	
12 - SFMTA ENGINEERING SERVICES	11,425,594	11,425,594	0	0	11,425,594	0	42	
16 - DEPARTMENT OF PARKING AND TRAFFIC (DPT)	921,906	802,883	0	0	802,883	119,023		
21 - ARTS COMMISSION	1,500,570	1,500,570	0	0	1,500,570	0	43	
22 - FIRE DEPARTMENT	33,825	35,343	0	0	35,343	(1,518)		
23 - CITY ATTORNEY'S OFFICE	1,234,754	1,234,754	0	0	1,234,754	0		
24 - RISK MANAGEMENT	0	0	0	0	0	0		
26 - PLANNING	99,604	99,604	0	0	99,604	0		
27 - DEPARTMENT OF PUBLIC HEALTH (DPH)	4,420	4,420	0	0	4,420	0		
29 - CITY AUDITOR	336,735	336,735	0	0	336,735	0	44	
32 - DPW - IDC ENGINEERING (HYDRAULIC)	3,336,432	3,336,432	0	0	3,336,432	0		
34 - DPW - IDC CONSTRUCTION (CAPITAL)	17,462	17,462	0	0	17,462	0		
36 - DPW - BSM INFRASTRUCTURE (MAPPING)	76,549	76,549	0	0	76,549	0		
39 - DPW - PCS SITE ASSESSMENT & REMEDIATION (SAR)	13,993	13,993	0	0	13,993	0		
51 - 821 HOWARD STREET	1,005,653	1,005,653	0	0	1,005,653	0		
55 - 651 BRANNAN	2,294,910	2,294,910	0	0	2,294,910	0	45	
63 - CENTRAL SUBWAY PARTNERSHIP - AECOM-EPC JV CONTRACT 149	26,793,234	26,793,234	0	0	26,793,234	0	46	
66 - ANIL VERMA	395,204	395,204	0	0	395,204	0	47	
67 - HILL INTERNATIONAL CONTRACT 156	6,716,294	6,716,294	0	0	6,716,294	0	48	
68 - ARTHUR GALLAGER & CO. CS 164	6,800,000	6,340,196	0	0	6,340,196	459,804		
71 - TUNNEL/UTILITIES - CONTRACT # CONTRACT 155-1	5,469,336	5,469,336	0	0	5,469,336	0	49	
72 - STATIONS - CONTRACT # CONTRACT 155-2	26,220,609	26,220,609	0	0	26,220,609	0	50	
73 - SYSTEMS/INTEGRATION - CONTRACT 155-3	11,432,312	11,432,312	0	0	11,432,312	0	51	
331 - BAY AREA RAPID TRANSIT (BART)	146,427	146,427	0	0	146,427	0		
332 - SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY (SFCTA)	0	81,597	0	0	81,597	(81,597)		
TOTAL FINAL DESIGN	115,075,988	114,034,067	0	0	114,034,067	1,041,921		
11 - SFMTA PROJECT MANAGEMENT	21,500,000	20,284,140	0	0	20,284,140	1,215,860		
1.3.011.01.080.03 - CM:SFMTA LABOR-PROJECT MANAGEMENT	21,500,000	20,284,140	0	0	20,284,140	1,215,860		
12 - SFMTA ENGINEERING SERVICES	3,433,582	3,395,381	0	0	3,395,381	38,201		
1.3.012.02.080.04 - CM: SFMTA LABOR-ENGINEERING CONTRACT 1252	123,582	57,648	0	0	57,648	65,934		
1.3.012.06.080.04 - CM: SFMTA LABOR-ENGINEERING CONTRACT 1300	3,310,000	3,337,734	0	0	3,337,734	(27,734)		
13 - SFMTA CONSTRUCTION MANAGEMENT	28,002,275	27,445,856	0	0	27,445,856	556,419		
1.3.013.01.080.04 - CM:SFMTA LABOR-CONSTR. MANAGEM	28,002,275	27,445,856	0	0	27,445,856	556,419		
16 - DEPARTMENT OF PARKING AND TRAFFIC (DPT)	3,659,313	2,898,231	0	0	2,898,231	761,082		
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT UMS	299,600	404,667	0	0	404,667	(105,067)		
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT CTS	274,900	168,124	0	0	168,124	106,776		
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT YBM	238,400	228,550	0	0	228,550	9,850		
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT STS	876,876	390,568	0	0	390,568	486,308		
1.3.016.02.040.08 - DPT: FIELD OPS TUNNEL [B84]	0	1,464	0	0	1,464	(1,464)		

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1.3.016.02.040.08 - DPT: FIELD OPS TUNNEL [B86]	0	204,261	0	0	204,261	(204,261)		
1.3.016.06.040.02 - DPT:DPT TRAFFIC SHOP CONTRACT 1300	1,200,000	0	0	0	0	1,200,000		
1.3.016.08.040.08 - DPT:PCOS:2UTL [68A]	400,728	400,728	0	0	400,728	0		
1.3.016.08.040.08 - DPT:SSD CN:2UTL	0	108,020	0	0	108,020	(108,020)		
1.3.016.08.080.04 - DPT:SSD [1326]	252,536	252,536	0	0	252,536	0		
1.3.016.08.080.04 - DPT:SSD [13BN]	23,302	23,302	0	0	23,302	0		
1.3.016.08.080.04 - DPT:SSD [13CN]	963	963	0	0	963	0		
1.3.016.08.080.04 - DPT:SSD [B85]	92,008	92,008	0	0	92,008	0		
1.3.016.03.040.08 - PCOS:1300/UMS [68CPT544132W.CPT544132W]	0	163,411	0	0	163,411	(163,411)		
1.3.016.04.040.08 - PCOS:1300/CTS [68CPT544132X.CPT544132X]	0	0	0	0	0	0		
1.3.016.05.040.08 - PCOS:1300/YBM [68CPT544132Y.CPT544132Y]	0	207,537	0	0	207,537	(207,537)		
1.3.016.09.040.08 - PCOS:1300/STS [68CPT544132Z.CPT544132Z]	0	252,092	0	0	252,092	(252,092)		
17 - MOTIVE POWER	2,195	0	0	0	0	2,195		
1.3.017.07.040.02 - PWR:SFMTA-MOTIVE POWER-UTL.REL	2,195	0	0	0	0	2,195		
18 - SFMTA OPERATIONS	400,000	155,852	0	0	155,852	244,148		
1.3.018.04.040.02 - OPS:SUPPORT TO CONTRACT 1300/CTS	100,000	67,354	0	0	67,354	32,646		
1.3.018.06.080.07 - OPS:SUPPORT TO CONTRACT 1300 - UMS O/L	50,255	73,817	0	0	73,817	(23,561)		
1.3.018.06.080.07 - OPS:SUPPORT TO CONTRACT 1300/UMS	249,745	14,681	0	0	14,681	235,063		
19 - OTHER SFMTA	1,000,000	945,836	0	0	945,836	54,164		
1.3.019.07.080.07 - OTH.MTA SFMTA-SURVEY; TSTG [6840]	1,800	1,720	0	0	1,720	80		
1.3.019.08.040.08 - OTH.MTA 1251 MATERIALS	150,000	126,149	0	0	126,149	23,851		
1.3.019.08.080.07 - OTH.MTA OPERATION SUPPORT DUR	848,200	817,966	0	0	817,966	30,234		
21 - ARTS COMMISSION	12,010,886	6,586,583	0	0	6,586,583	5,424,303		
1.3.021.01.040.06 - ARTS:CTYCO-ARTS COMMISSION CONSTRUCTION COSTS	3,769,932	0	0	0	0	3,769,932		
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [1227]	1,719,387	388,167	0	0	388,167	1,331,220	52	
1.3.021.01.080.04 - ARTS:CTYCO-ARTS COMMISSION [PWE335MPFUNA.CPT544122]	21,000	12,465	0	0	12,465	8,535		
1.3.021.06.080.03 - ARTS:CTYCO-ARTS COMMISSION PM [285MC.132J]	834,264	999,377	0	0	999,377	(165,113)		
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [PWA335MPFUNA.CPT544132]	10,149	11,093	0	0	11,093	(944)		
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [PWE335MPFUNA.CPT544132]	4,439	4,439	0	0	4,439	0		
1.3.021.06.040.06 - ARTS:CTYCO-ARTS COMMISSION [68CPT5441327.CPT5441327]	1,393,660	1,397,606	0	0	1,397,606	(3,946)		
1.3.021.06.040.06 - ARTS:CTYCO-ARTS COMMISSION [285MCPFUNA.CPT5441327]	3,011,963	3,773,436	0	0	3,773,436	(761,473)		
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [132J]	86,091	0	0	0	0	86,091		
1.3.021.97.040.06 - ARTS:ARTS COMMISSION ALLOC CO	1,160,000	0	0	0	0	1,160,000		
23 - CITY ATTORNEY'S OFFICE	2,171,781	3,074,976	0	0	3,074,976	(903,195)		
1.3.023.01.080.06 - ATTY:CN LEGAL-CITY ATTORNEY OF	2,171,781	3,074,976	0	0	3,074,976	(903,195)		
25 - PUBLIC UTILITIES COMMISSION SEWER	(2,925,296)	0	0	0	0	(2,925,296)		
1.3.025.09.040.02 - STS.1256: SITE UTILITIES SFPUC SEWER MAIN	(2,925,296)	0	0	0	0	(2,925,296)		
26 - PLANNING	137,062	26,697	0	0	26,697	110,365		
1.3.026.01.080.06 - CM:CTYCO-PLANNING DEPARTMENT	137,062	26,697	0	0	26,697	110,365		
28 - PUBLIC UTILITIES COMMISSION WATER	4,242,012	5,437,085	0	0	5,437,085	(1,195,073)		
1.3.028.02.040.02 - CM:CTYCO-PUBLIC UTIL COMM. (PUC)	0	4,745	0	0	4,745	(4,745)		
1.3.028.02.040.08 - PUC: FIELD OPERATIONS TUNNEL	398,400	528,347	0	0	528,347	(129,947)		
1.3.028.02.080.04 - PUC:MTA CSP CN1252 [470465]	105,000	91,587	0	0	91,587	13,413		

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1.3.028.03.040.02 - PUC:CDD CONTRACT 1300/UMS SUPPORT	606,354	852,013	0	0	852,013	(245,659)		
1.3.028.03.080.04 - PUC:CMB CONTRACT 1300/UMS INSPECTION	230,000	48,770	0	0	48,770	181,230		
1.3.028.04.040.02 - PUC:CDD CONTRACT 1300/CTS SUPPORT	271,755	245,688	0	0	245,688	26,067		
1.3.028.04.080.04 - PUC:CMB CONTRACT 1300/CTS INSPECTION	115,000	97,695	0	0	97,695	17,305		
1.3.028.05.040.02 - PUC:CDD CONTRACT 1300/YBM SUPPORT	450,282	860,157	0	0	860,157	(409,875)		
1.3.028.05.080.04 - PUC:CMB CONTRACT 1300/YBM INSPECTION	184,000	155,783	0	0	155,783	28,217		
1.3.028.06.040.02 - PUC:CMB CONTRACT 1300/SFWD AWSS MATERIAL	225,079	474,781	0	0	474,781	(249,702)		
1.3.028.07.040.02 - PUC:PUC CDD WATER CONNECTION CONTRACT 1250	248,035	291,501	0	0	291,501	(43,466)		
1.3.028.07.080.04 - PUC:PUC CMB INSPECTION CONTRACT 1250	74,468	113,844	0	0	113,844	(39,376)		
1.3.028.08.040.02 - PUC:PUC CDD WATER CONNECTION CONTRACT 1251 [3BB]	0	92,579	0	0	92,579	(92,579)		
1.3.028.08.040.02 - PUC:PUC CDD WATER CONNECTION CONTRACT 1251 [445]	340,310	318,130	0	0	318,130	22,180		
1.3.028.08.080.04 - PUC:PUC CMB INSPECTION CONTRACT 1251	266,252	289,424	0	0	289,424	(23,172)		
1.3.028.09.040.02 - PUC:CMB CONTRACT 1300/STS SUPPORT	520,077	507,749	0	0	507,749	12,328		
1.3.028.09.080.04 - PUC:CMB CONTRACT 1300/STS INSPECTION	207,000	464,294	0	0	464,294	(257,294)		
32 - DPW - IDC ENGINEERING (HYDRAULIC)	1,150,459	560,763	0	0	560,763	589,696		
1.3.032.01.080.04 - CM:DPW:1424J-BUREAU OF ENGINEERING (BOE) [AB12]	(285,405)	(285,405)	0	0	(285,405)	0.00		
1.3.032.03.080.04 - DPW IDC HYDRAULIC CN1300 UMS SUPPORT	297,938	130,415	0	0	130,415	167,523		
1.3.032.04.080.04 - DPW IDC HYDRAULIC CN1300 CTS SUPPORT	295,639	22,125	0	0	22,125	273,514		
1.3.032.05.080.04 - DPW IDC HYDRAULIC CN1300 YBM SUPPORT	301,882	58,932	0	0	58,932	242,950		
1.3.032.06.080.04 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112B112]	85,275	85,275	0	0	85,275	0	53	
1.3.032.06.080.04-1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112C112]	109,658	109,658	0	0	109,658	0	54	
1.3.032.06.080.04 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112D112]	15,791	15,791	0	0	15,791	0	55	
1.3.032.06.080.04 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112E112]	11,193	11,193	0	0	11,193	0	56	
1.3.032.06.080.04 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112F112]	107,798	107,798	0	0	107,798	0	57	
1.3.032.06.080.04 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112G112]	21,690	47,917	0	0	47,917	(26,227)	58	
1.3.032.08.080.04 - DPW.HYRDDPW-BOE IDC ENG SVC DC	9,000	0	0	0	0	9,000		
1.3.032.09.080.04 - DPW IDC HYDRAULIC CN1300 STS SUPPOR	180,000	257,065	0	0	257,065	(77,065)		
34 - DPW - IDC CONSTRUCTION (CAPITAL)	6,703,969	6,345,071	0	0	6,345,071	358,898		
1.3.034.01.080.04 - DPW:BCM LABOR [2113]	2,140,142	2,140,142	0	0	2,140,142	0		
1.3.034.02.080.04 - DPW:CONSTR:1252 CM [CD12]	1,207,603	1,207,603	0	0	1,207,603	0		
1.3.034.02.080.04 - DPW:CONSTR:1252 CM [13AC12]	138,397	138,397	0	0	138,397	0		
1.3.034.06.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [132112]	506,858	506,858	0	0	506,858	0		
1.3.034.06.080.04 - DPW:CONSTR:1300 CM [13CP12]	2,710,969	2,352,071	0	0	2,352,071	358,898		
36 - DPW - BSM INFRASTRUCTURE (MAPPING)	465,562	158,741	0	0	158,741	306,821		
1.3.036.01.080.04 - DPW:MPPG:DPW-BUREAU OF ST USE	367,129	32,680	0	0	32,680	334,449		
1.3.036.02.080.04 - DPW:MPPG:1300-DPW-BUREAU OF ST USE [13CG12]	50,000	33,084	0	0	33,084	16,916		
1.3.036.02.080.06 - DPW:MPPG:DPW-BUREAU OF ST USE [13CF]	48,433	92,977	0	0	92,977	(44,544)		
37 - DPW - PCS MATERIAL TESTING LABORATORY	83,100	0	0	0	0	83,100		
1.3.037.01.080.07 - DPW.MTL.LABDPW-MATERIAL TESTIN	83,100	0	0	0	0	83,100		
39 - DPW - PCS SITE ASSESSMENT & REMEDIATION (SAR)	613,853	438,455	0	0	438,455	175,398		
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2213]	92,459	92,459	0	0	92,459	0		
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2250]	78,400	78,400	0	0	78,400	0		
1.3.039.01.080.04 -DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2257]	151,515	151,515	0	0	151,515	0		

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1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2313]	24,343	24,343	0	0	24,343	0		
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION	58,757	10,109	0	0	10,109	48,648		
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [CE13]	31,367	31,367	0	0	31,367	0		
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [CH13]	100,000	8,621	0	0	8,621	91,379		
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR)	17,000	0	0	0	0	17,000		
1.3.039.02.080.04 - DPW: SITE ASSESSMENT & REMEDIATION (SAR) – CN1252 [13C]	18,632	16,880	0	0	16,880	1,753		
1.3.039.02.080.04 - DPW: SITE ASSESSMENT & REMEDIATION (SAR) – CN1300 [13C]	41,379	24,761	0	0	24,761	16,618		
46 - MACY'S WEST - SFPUC SEWER WORK	258,202	258,202	0	0	258,202	0		
1.3.046.08.040.02 - MCY.SWRC. CONTRACT: MACY'S-SEW	258,202	258,202	0	0	258,202	0		
51 - 821 HOWARD STREET	770,843	745,894	0	0	745,894	24,949		
1.3.051.01.080.03 - ODC.HWRD:ODCs - 821 HOWARD STR	696,753	692,970	0	0	692,970	3,783		
1.3.051.02.080.04 - ODC.HWRD:ODCs - TUNNEL CONTRACT 1252	10,000	1,056	0	0	1,056	8,944		
1.3.051.06.080.04 - ODC.HWRD:ODCs - STATION CONTRACT 1300	55,000	30,168	0	0	30,168	24,832		
1.3.051.06.080.04 - ODC.HWRD:W/MTA INST WTR SVC @ STS&YBM TRAILER	9,090	21,700	0	0	21,700	(12,610)		
55 - 651 BRANNAN	10,348	10,348	0	0	10,348	0		
1.3.055.01.080.03 - CM:ODCs - 651 BRANNAN STREET	10,348	10,348	0	0	10,348	0	59	
63 - CENTRAL SUBWAY PARTNERSHIP - AECOM-EPC JV CONTRACT 149	83,238,069	79,201,702	(1,100,892)	1,724,121	80,925,823	2,312,246		
1.3.063.01.080.03 - CM:PM:AECOM.CS149 OM-EPC JV CS149-PM	5,017,804	5,017,804	0	0	5,017,804	0	60	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3B]	1,969,213	1,969,213	0	0	1,969,213	(0)		
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3E]	6,386,250	6,386,250	0	0	6,386,250	(0)		
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3E][PM]	1,596,563	1,596,563	0	0	1,596,563	0		
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3F]	4,101,465	4,101,466	0	0	4,101,466	(0)		
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3F][PM]	1,025,366	1,025,366	0	0	1,025,366	0		
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3G]	5,167,381	5,167,381	0	0	5,167,381	(0)		
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3G][PM]	1,291,845	1,291,845	0	0	1,291,845	(0)		
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3H]	4,380,849	4,380,849	0	0	4,380,849	(0)		
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3H][PM]	1,095,212	1,095,212	0	0	1,095,212	(0)		
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3i]	6,739,945	5,582,974	0	0	5,582,974	1,156,971		
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3i][PM]	2,590,785	1,395,744	0	0	1,395,744	1,195,041		
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3j]	7,000,000	6,081,401	0	0	6,081,401	918,599		
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3j][PM]	2,000,000	1,520,350	0	0	1,520,350	479,650		
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3m]	10,070,497	13,605,442	(880,714)	1,000,000	14,605,442	(4,534,945)		
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3m][PM]	2,517,624	3,401,360	(220,178)	250,000	3,651,360	(1,133,736)		
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3n]	2,400,000	0	0	0	0	2,400,000		
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3n][PM]	600,000	0	0	0	0	600,000		
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9B]	11,042	11,042	0	0	11,042	0		
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9D]	515,694	515,694	0	0	515,694	(0)		
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9E]	523,943	523,943	0	0	523,943	0		
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9F]	461,196	461,196	0	0	461,196	0		
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9G]	501,912	501,912	0	0	501,912	0		
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9H]	1,219,093	1,219,093	0	0	1,219,093	(0)		
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9i]	2,974,444	3,039,000	0	0	3,039,000	(64,556)		
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9j]	3,000,000	2,275,598	0	0	2,275,598	724,402		

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1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9m]	1,500,000	1,455,059	0	0	1,455,059	44,941		
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9n]	1,000,000	0	0	474,121	474,121	525,879		
1.3.063.01.080.04 - FD:CM:EPC JV CS49-PM [123A]	5,579,945	5,579,945	0	0	5,579,945	0		
1.3.063.97.080.03 - AECOM.CS149 ALLOCAT CONTING	0	0	0	0	0	0		
64 - CN1300 JOB READINESS PROGRAM	1,060,000	956,145	0	0	956,145	103,855	61	
1.3.064.06.040.08 - CN1300 JOB READINESS PROGRAM	1,060,000	956,145	0	0	956,145	103,855		
67 - HILL INTERNATIONAL CONTRACT 156	3,031,391	3,075,171	0	0	3,075,171	(43,780)		
1.3.067.01.080.03 - HILL.CS156:HILL INTL. CS-156 [1336]	920,426	920,426	0	0	920,426	0		
1.3.067.01.080.03 - HILL.CS156:HILL INTL. CS-156 [1337]	533,148	533,148	0	0	533,148	0		
1.3.067.01.080.03 - HILL.CS156:HILL INTL. [1330]	127,261	127,261	0	0	127,261	0		
1.3.067.01.080.03 - HILL INTERNATIONAL CS156 AWP 2016 [68CPT5441340.CPT5441	883,631	883,631	0	0	883,631	(0)		
1.3.067.01.080.03 - HILL INTERNATIONAL CS156 AWP 2017 [68CPT5441346.CPT5441	566,925	610,706	0	0	610,706	(43,781)		
69 - BAYLAND SOIL PROCESS CONTRACT 175	500,000	255,144	0	0	255,144	244,856	62	
1.3.069.06.040.01 - BAYLAND.CS175:BAYLAND SOIL PROCESS [133K]	500,000	255,144	0	0	255,144	244,856		
71 - TUNNEL/UTILITIES - CONTRACT # CONTRACT 155-1	2,158,846	2,215,889	0	0	2,215,889	(57,043)		
1.3.071.01.080.04 - CM: CS155.1 DESIGN SUPPORT DURING CM [1232]	0	(87,201)	0	0	(87,201)	87,201	63	
1.3.071.02.080.04 - CM: CS155.1 DESIGN SUPPORT DURING CM [1332]	2,158,846	2,303,091	0	0	2,303,091	(144,245)		
72 - STATIONS - CONTRACT # CONTRACT 155-2	23,137,580	24,351,001	(372,929)	8,071	24,359,072	(1,221,492)		
1.3.072.01.080.04 - CM: CS155.2 DESIGN SUPPORT DURING CM [1233]	51,351	64,777	0	0	64,777	(13,426)	64	
1.3.072.01.080.04 - CM: CS155.2 DESIGN SUPPORT DURING CM [1333]	23,086,229	24,286,224	(372,929)	8,071	24,294,295	(1,208,066)		
73 - SYSTEMS/INTEGRATION - CONTRACT 155-3	7,988,979	8,255,944	-170,715	171,927	8,427,871	(438,892)		
1.3.073.01.080.04 - CM: CS155.3 DESIGN SUPPORT DURING CM [1236]	90,000	89,791	0	0	89,791	209		
1.3.073.01.080.04 - CM: CS155.3 DESIGN SUPPORT DURING CM [1334]	7,898,979	8,166,153	(170,715)	171,927	8,338,081	(439,102)		
81 - UTILITIES RELOCATION #1 (PORTAL & MOS) - CONTRACT 1250	11,968,150	11,968,150	0	0	11,968,150	0		
1.3.081.07.040.01 - UR1.CONTRACT 1250:SITWORK: DEMOLIT	167,458	167,458	0	0	167,458	0		
1.3.081.07.040.02 - UR1.CONTRACT 1250:SITWORK: UTILITI	10,099,341	10,099,341	0	0	10,099,341	0		
1.3.081.07.040.03 - UR1.CONTRACT 1250:SITWORK:HAZMAT	453,321	453,321	0	0	453,321	0		
1.3.081.07.040.08 - UR1.CONTRACT 1250:SITWORK:TEMPORAR	1,248,030	1,248,030	0	0	1,248,030	0		
82 - UTILITIES RELOCATION #2 (UMS) - CONTRACT 1251	20,669,081	20,669,081	0	0	20,669,081	(0)	65	
1.3.082.08.040.01 - UR2.CONTRACT 1251:SITWORK: DEMOLIT	752,240	752,240	0	0	752,240	0		
1.3.082.08.040.02 - UR2.CONTRACT 1251:SITWORK:UTILITI	10,202,543	10,202,543	0	0	10,202,543	(0)		
1.3.082.08.040.03 - UR2.CONTRACT 1251:SITWORK:HAZMAT	172,712	172,712	0	0	172,712	0		
1.3.082.08.040.05 - UR2.CONTRACT 1251:SITWORK: STRUCTU	2,706,431	2,706,431	0	0	2,706,431	0		
1.3.082.08.040.06 - UR2.CONTRACT 1251:SITWORK:PEDESTRA	319,317	319,317	0	0	319,317	0		
1.3.082.08.040.07 - UR2.CONTRACT 1251:SITWORK:AUTO/BUS	190,362	190,362	0	0	190,362	0		
1.3.082.08.040.08 - UR2.CONTRACT 1251:SITWORK:TEMP FAC	6,325,476	6,325,476	0	0	6,325,476	0		
GUIDEWAY TUNNELS TOTAL	233,511,253	233,511,253	0	0	233,511,253	0		
83 - GUIDEWAY TUNNELS - CONTRACT # 1252 BASE	233,584,015	233,584,015	0	0	233,584,015	0	66	
1.3.083.02.010.06 - CONTRACT 1252:GUIDEWAY:UNDERGRN'D CUT	60,446,425	60,446,425	0	0	60,446,425	0		
1.3.083.02.010.07 - CONTRACT 1252:GUIDEWAY:UNDERGROUND	105,423,090	105,423,090	0	0	105,423,090	0		
1.3.083.02.020.03 - CONTRACT 1252: STATIONS: UNDERGROUND	21,685,000	21,685,000	0	0	21,685,000	0		
1.3.083.02.040.01 - CONTRACT 1252:SITWORK:DEMO CLEARING	2,440,000	2,440,000	0	0	2,440,000	0		
1.3.083.02.040.02 - CONTRACT 1252:SITWORK:UTILITIES & RE	10,895,000	10,895,000	0	0	10,895,000	0		

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1.3.083.02.040.03 - CONTRACT 1252:SITWORK:HAZMAT&MITIGAT	200,000	200,000	0	0	200,000	0		
1.3.083.02.040.04 - CONTRACT 1252:SITWORK:ENVIRON. MITIG	300,000	300,000	0	0	300,000	0		
1.3.083.02.040.06 - CONTRACT 1252:SITWORK:PED/BIKE ACCES	50,000	50,000	0	0	50,000	0		
1.3.083.02.040.07 - CONTRACT 1252:SITWORK:AUTO/BUS ACCES	1,345,000	1,345,000	0	0	1,345,000	0		
1.3.083.02.040.08 - CONTRACT 1252:SITWORK:TEMP FACILITIE	30,799,500	30,799,500	0	0	30,799,500	0		
83 - GUIDEWAY TUNNELS - CONTRACT # 1252 CMODs	(72,762)	(72,762)	0	0	(72,762)	0	67	
1.3.083.83.010.06 - CONTRACT 1252: CONTRACT MOD	112,251	112,251	0	0	112,251	0		
1.3.083.83.010.07 - CONTRACT 1252: CONTRACT MOD	1,810,094	1,810,094	0	0	1,810,094	0		
1.3.083.83.020.03 - CONTRACT 1252: CONTRACT MOD	1,004,156	1,004,156	0	0	1,004,156	0		
1.3.083.83.040.02 - CONTRACT 1252: CONTRACT MOD	1,035,588	1,035,588	0	0	1,035,588	(0)		
1.3.083.83.040.03 - CONTRACT 1252: CONTRACT MOD	453,475	453,475	0	0	453,475	0		
1.3.083.83.040.08 - CONTRACT 1252: CONTRACT MOD	(4,488,326)	(4,488,326)	0	0	(4,488,326)	0		
1.3.083.93.010.07 - CONTRACT 1252: TUNNEL ALLOC CONTING	0	0	0	0	0	0	68	
CONTRACT 1300 - STATIONS, TRACKWORK AND SYSTEMS TOTAL	1,122,009,291	1,112,743,335	-9,377,138	12,902,694	1,125,646,029	-3,636,738	69	
84 - UNION SQUARE/MARKET STREET STATION (UMS) - WORK PACKAGE 1253	294,030,590	291,210,847	(67,221)	97,673	291,308,520	2,722,070	21	
1.3.084.03.020.03 - UMS.1253: UNDERGROUD STATION	253,081,452	252,220,127	(36,879)	53,710	252,273,837	807,615		
1.3.084.03.020.07 - UMS.1253: ELEVATORS ESCALATOR	9,465,694	9,394,882	(31,472)	45,773	9,440,655	25,039		
1.3.084.03.040.01 - UMS.1253: DEMOLITION CLEARING	6,071,588	6,071,588	0	0	6,071,588	0		
1.3.084.03.040.02 - UMS.1253: SITE UTILITIES UTIL	4,360,395	4,360,395	0	0	4,360,395	0		
1.3.084.03.040.03 - UMS.1253: HAZARDOUS MATERIALS	550,000	6,936	0	0	6,936	543,064		
1.3.084.03.040.04 - UMS.1253: ENVIRONMENTAL MITIGA	244,500	194,500	0	0	194,500	50,000		
1.3.084.03.040.06 - UMS.1253: PEDESTRIAN/BIKE	18,969	18,969	0	0	18,969	0		
1.3.084.03.040.07 - UMS.1253: AUTOMOBILE BUS ACCE	1,158,410	1,055,910	0	0	1,055,910	102,500		
1.3.084.03.040.08 - UMS.1253: TEMPORARY FACILITIES	11,139,701	9,917,258	630	(2,510)	9,914,749	1,224,952		
1.3.084.03.050.02 - UMS.1253: TRAFFIC SIGNALS AND	4,773,076	4,773,076	0	0	4,773,076	0		
1.3.084.03.050.03 - UMS.1253: TRACTION POWER SUPPL	1,815,534	1,815,534	0	0	1,815,534	0		
1.3.084.03.050.04 - UMS.1253: TRACTION POWER DISTR	216,957	216,957	0	0	216,957	0		
1.3.084.03.050.05 - UMS.1253: COMMUNICATIONS	1,134,314	1,164,714	500	700	1,165,414	(31,100)		
84 - UNION SQUARE/MARKET STREET STATION (UMS) CMODs	20,744,337	20,744,337	0	0	20,744,337	0		
1.3.084.84.020.03 - CMOD:UMS.1253: UNDERGROUD STATION	1,832,330	1,832,330	0	0	1,832,330	0		
1.3.084.84.020.07 - CMOD:UMS.1253: ELEVATORS, ESCALATORS	490,000	490,000	0	0	490,000	0		
1.3.084.84.040.01 - CMOD:UMS.1253: DEMOLITION CLEARING	944,987	944,987	0	0	944,987	0		
1.3.084.84.040.02 - CMOD:UMS.1253: SITE UTILITIES UTIL	3,270,038	3,270,038	0	0	3,270,038	0		
1.3.084.84.040.03 - CMOD:UMS.1253: HAZARDOUS MATERIALS	349,730	349,730	0	0	349,730	0		
1.3.084.84.040.07 - CMOD:UMS.1253: AUTOMOBILE BUS ACCE	0	0	0	0	0	0	69a	
1.3.084.84.040.08 - CMOD:UMS.1253: TEMPORARY FACILITIES	13,809,103	13,809,103	0	0	13,809,103	0		
1.3.084.84.050.05 - CMOD:UMS.1253: COMMUNICATIONS	48,149	48,149	0	0	48,149	0		
1.3.084.94.020.03 - UMS.1253: AC: ALLOC CONTING	(744,337)	0	0	0	0	(744,337)	41	
85 - CHINATOWN STATION (CTS) - WORK PACKAGE 1254	247,567,810	241,330,301	37,928	138,687	241,468,988	6,098,822		
1.3.085.04.010.07 - CTS.1254: GUIDEWAY: UNDERGROUND TUNNEL	76,417,579	76,417,579	0	0	76,417,579	0		
1.3.085.04.020.03 - CTS.1254: UNDERGROUND STATION	133,001,053	127,913,500	(30,424)	15,255	127,928,756	5,072,298		
1.3.085.04.020.07 - CTS.1254: ELEVATORS ESCALATOR	6,812,856	6,659,062	68,351	123,032	6,782,094	30,762		
1.3.085.04.040.01 - CTS.1254: DEMOLITION CLEARING	400,000	400,000	0	0	400,000	0		

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1.3.085.04.040.02 - CTS.1254: SITE UTILITIES UTIL	6,001,718	6,001,718	0	0	6,001,718	0		
1.3.085.04.040.03 - CTS.1254: HAZARDOUS MATERIALS	350,000	47,389	0	0	47,389	302,611		
1.3.085.04.040.04 - CTS.1254: ENVIRONMENTAL MITIGA	325,665	28,951	0	0	28,951	296,714		
1.3.085.04.040.06 - CTS.1254: PEDESTRIAN/BIKE	15,000	15,000	0	0	15,000	0		
1.3.085.04.040.07 - CTS.1254: AUTOMOBILE BUS ACCE	225,677	225,677	1	0	225,677	0		
1.3.085.04.040.08 - CTS.1254: TEMPORARY FACILITIES	16,571,322	16,116,322	0	0	16,116,322	455,000		
1.3.085.04.050.02 - CTS.1254: TRAFFIC SIGNALS AND	1,599,593	1,667,756	0	400	1,668,156	(68,563)		
1.3.085.04.050.03 - CTS.1254: TRACTION POWER SUPPL	4,063,927	4,063,927	0	0	4,063,927	0		
1.3.085.04.050.04 - CTS.1254: TRACTION POWER DISTRIBUTION	124,481	114,481	0	0	114,481	10,000		
1.3.085.04.050.05 - CTS.1254: COMMUNICATIONS	1,658,938	1,658,938	0	0	1,658,938	0		
85 - CHINATOWN STATION (CTS) CMODs	157,097,034	146,928,852	0	303,857	147,232,709	9,864,325	71	
1.3.085.85.020.03 - CMOD:CTS.1254: UNDERGROUND STATION	1,201,478	1,126,478	0	0	1,126,478	75,000		
1.3.085.85.020.04 - CMOD:CTS.1254: OTHER STATIONS, LANDING, TERMINALS: INTERMODAL, FERRY, TROLLEY, ETC	9,360,183	0	0	0	0	9,360,183		
1.3.085.85.040.01 - CMOD:CTS.1254: POWER POLE	155,956	148,212	0	0	148,212	7,744		
1.3.085.85.040.02 - CMOD:CTS.1254: SITE UTILITIES UTIL	4,022,598	3,996,251	0	0	3,996,251	26,347		
1.3.085.85.040.03 - CMOD:CTS.1254: HAZARDOUS MATERIALS	3,895,399	3,895,399	0	0	3,895,399	0		
1.3.085.85.040.08 - CMOD:CTS.1254: TEMPORARY FACILITIES	137,546,308	137,146,660	0	4,598	137,151,258	395,051		
1.3.085.85.050.05 - CMOD:CTS.1254: COMMUNICATIONS	915,111	615,852	0	299,259	915,111	0	71a	
1.3.085.95.020.03 - CTS.1254: AC: ALLOC CONTING	(12,417,646)	0	0	0	0	(12,417,646)	72	
86 - YERBA BUENA MOSCONE STATION (YBM) - WORK PACKAGE 1255	158,089,000	156,245,040	(24,493)	41,698	156,286,739	1,802,261		
1.3.086.05.020.03 - YBM.1255: UNDERGROUND STATION	118,405,840	118,300,817	(426)	19,496	118,320,313	85,527		
1.3.086.05.020.07 - YBM.1255: ELEVATORS ESCALATOR	5,333,287	5,256,110	(24,607)	24,712	5,280,822	52,465		
1.3.086.05.040.01 - YBM.1255: DEMOLITION CLEARING	657,000	657,000	0	0	657,000	0		
1.3.086.05.040.02 - YBM.1255: SITE UTILITIES UTIL	7,163,278	7,163,278	0	0	7,163,278	0		
1.3.086.05.040.03 - YBM.1255: HAZARDOUS MATERIALS	2,629,439	1,887,969	0	0	1,887,969	741,471	73	
1.3.086.05.040.04 - YBM.1255: ENVIRONMENTAL MITIGA	100,000	0	0	0	0	100,000		
1.3.086.05.040.06 - YBM.1255: PEDESTRIAN/BIKE	16,665	1	0	0	1	16,664		
1.3.086.05.040.07 - YBM.1255: AUTOMOBILE BUS ACCE	1,542,725	1,542,725	0	0	1,542,725	0		
1.3.086.05.040.08 - YBM.1255: TEMPORARY FACILITIES	15,564,753	14,761,129	540	(2,510)	14,758,619	806,134		
1.3.086.05.050.02 - YBM.1255: TRAFFIC SIGNALS AND	1,726,492	1,726,492	0	0	1,726,492	0		
1.3.086.05.050.03 - YBM.1255: TRACTION POWER SUPPL	3,708,425	3,708,425	0	0	3,708,425	0		
1.3.086.05.050.05 - YBM.1255: COMMUNICATIONS	1,241,096	1,241,095	0	0	1,241,095	1		
86 - YERBA BUENA MOSCONE STATION (YBM) CMODs	4,889,959	4,479,432	0	0	4,479,432	410,527		
1.3.086.86.020.03 - CMOD:YBM.1255: UNDERGROUND STATION	466,470	466,470	0	0	466,470	0		
1.3.086.86.020.07 - CMOD:YBM.1255: ELEVATORS ESCALATOR	210,055	210,055	0	0	210,055	0		
1.3.086.86.040.01 - CMOD:YBM.1255: DEMOLITION CLEARING	266,386	266,386	0	0	266,386	0	73	
1.3.086.86.040.02 - CMOD:YBM.1255: SITE UTILITIES UTIL	3,570,282	3,159,755	0	0	3,159,755	410,527		
1.3.086.86.040.03 - CMOD:YBM.1255: HAZARDOUS MATERIALS	150,828	150,828	0	0	150,828	0		
1.3.086.86.040.04 - CMOD:YBM.1255: ENVIRONMENTAL MITIGA	102,734	102,734	0	0	102,734	0		
1.3.086.86.040.06 - CMOD:YBM.1255: PEDESTRIAN/BIKE	35,489	35,489	0	0	35,489	0		
1.3.086.86.040.08 - CMOD:YBM.1255: TEMPORARY FACILITIES	87,715	87,715	0	0	87,715	0		
1.3.086.86.050.05 - CMOD:YBM.1255: COMMUNICATIONS		0	0	0	0	0	73a	

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1.3.086.96.020.03 - YBM.1255: AC: ALLOC CONTING	10,110,042	0	0	0	0	10,110,042	74	
87 - SURFACE TRACKWORK AND SYSTEMS -WORK PACKAGE 1256	139,989,000	134,314,118	18,025,469	47,510	134,361,629	5,627,371		
1.3.087.09.010.02 - STS.1256: GUIDEWAY: AT-GRADE SEMI-EXCLUSIVE (ALLOWS C	2,860,000	2,860,000	0	0	2,860,000	0		
1.3.087.09.010.06 - STS.1256: GUIDEWAY: UNDERGROUND CUT & CVR	9,257,731	9,247,731	0	0	9,247,731	10,000		
1.3.087.09.010.07 - STS.1256: GUIDEWAY: UNDERGROUN	16,723,552	16,651,202	24,750	13,000	16,664,202	59,350		
1.3.087.09.010.09 - STS.1256: TRACK DIRECT FIXATION	6,761,089	6,756,657	0	0	6,756,657	4,432		
1.3.087.09.010.12 - STS.1256: TRACK: SPECIAL	4,449,637	4,449,637	0	0	4,449,637	0		
1.3.087.09.020.01 - STS.1256: AT-GRADE STATION	7,602,857	6,940,177	630	6,490	6,946,667	656,190		
1.3.087.09.040.02 - STS.1256: SITE UTILITIES, UTILITY RELOCA	17,464,046	14,741,630	3,540	0	14,741,630	2,722,416		
1.3.087.09.040.03 - STS.1256: HAZARDOUS MATERIALS	200,000	0	0	0	0	200,000	73	
1.3.087.09.040.04 - STS.1256: ENVIRONMENTAL MITIGATION	50,000	0	0	0	0	50,000	73	
1.3.087.09.040.07 - STS.1256: AUTOMOBILE BUS ACCE	2,116,925	2,116,924	0	0	2,116,924	1		
1.3.087.09.040.08 - STS.1256: TEMPORARY FACILITIES	13,896,832	13,866,368	0	0	13,866,368	30,464		
1.3.087.09.050.01 - STS.1256: TRAIN CONTROL AND SIGNALS	27,543,451	27,576,351	17,945,922	0	27,576,351	(32,900)		
1.3.087.09.050.02 - STS.1256: TRAFFIC SIGNALS AND	4,463,368	3,798,419	0	0	3,798,419	664,949		
1.3.087.09.050.03 - STS.1256: TRACTION POWER SUPPL	9,889,014	9,885,014	23,242	0	9,885,014	4,000		
1.3.087.09.050.04 - STS.1256: TRACTION POWER DISTRIBUTION	6,099,675	5,336,586	1,957	0	5,336,586	763,089		
1.3.087.09.050.05 - STS.1256: COMMUNICATIONS	7,996,237	7,568,757	(19,175)	19,000	7,587,757	408,480		
1.3.087.09.050.07 - STS.1256: CENTRAL CONTROL	2,614,586	2,518,666	44,603	9,020	2,527,686	86,900		
87 - SURFACE TRACKWORK AND SYSTEMS (STS) CMODs	121,805,969	117,490,409	(27,348,820)	12,273,268	129,763,676	(7,957,707)		
1.3.087.89.020.03 - CMOD:STS.1256: UNDERGROUND STATION	(4,876,785)	(4,876,785)	0	0	(4,876,785)	0		
1.3.087.89.040.01 - CMOD:STS.1256: DEMOLITION, CLEARING, EARTHWORK	399,000	399,000	0	0	399,000	0		
1.3.087.89.040.02 - CMOD:STS.1256: SITE UTILITIES, UTILITY RELOCA	1,482,322	1,472,227	0	0	1,472,227	10,095		
1.3.087.89.040.03 - CMOD:STS.1256: HAZARDOUS MATERIALS	18,221	18,221	0	0	18,221	0		
1.3.087.89.040.07 - CMOD:STS.1256: AUTOMOBILE BUS ACCE	0	0	(9,220,523)	12,273,268	12,273,268	(12,273,268)		
1.3.087.89.040.08 - CMOD:STS.1256: TEMPORARY FACILITIES	124,730,194	120,471,863	(91,588)	0	120,471,863	4,258,331	74a	
1.3.087.89.050.01 - CMOD:STS.1256: TRAIN CONTROL	(17,776,769)	-17,801,477	(18,036,709)	0	-17,801,477	24,708		
1.3.087.89.050.02 - CMOD:STS.1256: TRAFFIC SIGNALS AND	242,427	220,000	0	0	220,000	22,427		
1.3.087.89.050.05 - CMOD:STS.1256: COMMUNICATIONS	17,587,360	17,587,360	0	0	17,587,360	0		
1.3.087.99.020.01 - STS.1256: AC: ALLOC CONTING	(19,152,467)	0	0	0	0	(19,152,467)	75	
88 - STATIONS CONTRACT 1300	2,435,063	2,653,467	0	(342,450)	2,311,017	124,046		
1.3.088.06.080.04 - CN1300 CONSTRUCTION TRAILER [68CPT5441316.CPT5441316]	80,000	0	0	0	0	80,000		
1.3.088.06.080.04 - DT-CN1300 COMMUNICATIONS INSTALL [68CPT5441317.CPT544	1,430,594	1,879,779	0	(342,450)	1,537,329	(106,735)		
1.3.088.06.080.04 - MTA Communications - Business Liaison to support CN1300 CON[68C	420,000	345,739	0	0	345,739	74,261		
1.3.088.06.080.04 - IT-CN1300 Installation [68CPT5441319.CPT5441319]	448,371	382,655	0	0	382,655	65,716		
1.3.088.06.080.04 - CN1300 Installation Maintenance [68CPT5441320.CPT5441320]	25,000	4,659	0	0	4,659	20,341		
1.3.088.06.080.04 - DT Support - Stations [68CPT544135.CPT5441325]	31,098	40,635	0	0	40,635	(9,537)		
141 - CONSTRUCTION ADMINISTRATION	0	0	0	0	0	0		
1.3.141.97.080.04 - CONSTR.ADMIN:ALLOC CONTING	0	0	0	0	0	0	75a	
142 - LEGAL/PERMITS	2,014,204	0	0	0	0	2,014,204		
1.3.142.01.080.06 - LGL.PRMTSF:LEGAL; PERMITS	2,014,204	0	0	0	0	2,014,204		
144 - STARTUP	8,300,329	188,758	0	0	188,758	8,111,571		
1.3.144.01.080.08 - STRT: STARTUP (SFMTA Transit)	6,941,907	188,758	0	0	188,758	6,753,149		

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1.3.144.97.080.08 - STRTA: AC STARTUP ALLOC CONTIN	1,358,422	0			0	1,358,422		
151 - TEMPORARY LICENSE AGREEMENT	17,000	0	0	0	0	17,000		
1.3.151.01.080.06 - TEMP.LICPORARY LICENSE AGREEME	17,000	0	0	0	0	17,000		
170 - COMMUNICATIONS CONNECTIONS	10,599,579	2,899,593	0	0	2,899,593	7,699,986		
1.3.170.01.050.04 - COMM.CONNN:COMMUNICATION CONN	5,757,629	0	0	0	0	5,757,629		
1.3.170.01.050.05 - CSP Radio Design	641,950	641,950	0	0	641,950	0		
1.3.170.01.050.05 - CSP Radio Cable	377,788	337,643	0	0	337,643	40,145		
1.3.170.01.050.05 - CSP Radio Procurement	3,822,212	1,920,000	0	0	1,920,000	1,902,212		
181 - AON RISK INSURANCE CS 163	26,803,757	26,792,944	0	0	26,792,944	10,813		
1.3.181.01.040.08 - AON.CS163 AON RISK INS.	26,778,757	26,767,944	0	0	26,767,944	10,813		
1.3.181.01.080.03 - AON.CS171 AON RISK INS. STUDY	25,000	25,000	0	0	25,000	0		
191 - FARE COLLECTION CONTRACTOR	5,400,000	366,130	0	0	366,130	5,033,871		
1.3.191.01.050.06 - FARE.CONSUM:FARE COLLECTION	5,400,000	366,130	0	0	366,130	5,033,871		
192 - THALES T&S CENTRAL CONTROL	28,921,326	22,353,785	0	0	22,353,785	6,567,542		
1.3.192.01.050.01 - THALES T&S ATCS	487,972	106,179	0	0	106,179	381,793		
1.3.192.01.050.01 - CN1266-2 Advanced Train Control System (ATCS) - Implementation	25,007,930	19,130,974	0	0	19,130,974	5,876,956		
1.3.192.01.050.01 - CN1266-1 Advanced Train Control System (ATCS) - Equipment	3,425,424	3,116,632	0	0	3,116,632	308,792		
202 - JOC2-022.0	63,938	0	0	0	0	63,938		
1.3.202.01.040.02 - JOC2-022:15&22 POTHOLING UTILI LGHT FNDS	63,938	0	0	0	0	63,938		
203 - JOC2-029.0	53,317	0	0	0	0	53,317		
1.3.203.07.040.02 - JOC0292-029: RELOCATE VAULTS-S	53,317	0	0	0	0	53,317		
302 - PG&E	1,988,173	3,874,699	0	0	3,874,699	(1,886,526)		
1.3.302.03.050.03 - PGE PERMANENT POWER UMS	(2,350,000)	0	0	0	0	(2,350,000)		
1.3.302.03.050.03 - PGE POWER FEED UMS	2,959,826	1,305,477	0	0	1,305,477	1,654,349		
1.3.302.04.050.03 - PGE PERMANENT POWER CTS	(2,350,000)	0	0	0	0	(2,350,000)		
1.3.302.04.050.03 - PGE POWER FEED CTS	2,959,826	0	0	0	0	2,959,826		
1.3.302.05.050.03 - PGE PERMANENT POWER YBM	(2,368,540)	0	0	0	0	(2,368,540)		
1.3.302.05.050.03 - PGE POWER FEED YBM	3,125,222	2,569,222	0	0	2,569,222	556,000		
1.3.302.09.050.03 - PGE POWER FEED STS	11,839	0	0	0	0	11,839		
331 - BAY AREA RAPID TRANSIT (BART)	951,356	476,611	0	0	476,611	474,745		
1.3.331.01.080.04 - CM:SFMTA LABOR-ENG SVCS-IRP/BART/SF	50,000	33,152	0	0	33,152	16,848		
1.3.331.01.080.06 - CM: BAY AREA RAPID TRANSIT (BART) [122A]	901,356	443,459	0	0	443,459	457,897		
333 - AMERICAN PUBLIC TRANSP. ASSOCIATION (APTA) CS-APTA	146,500	62,112	0	0	62,112	84,388		
1.3.333.01.080.03 - APTA:APTA - IRP [2G]	46,500	31,054	0	0	31,054	15,446		
1.3.333.01.080.03 - APTA:APTA - IRP [2C]	100,000	31,058	0	0	31,058	68,942		
334 - BART FARE COLLECTION SYSTEM	700,000	475,136	0	0	475,136	224,864		
1.3.334.01.050.06 - BART:BART FARE COLLECTION EQP	700,000	475,136	0	0	475,136	224,864		
401 - ECONOMIC AND WORKFORCE DEVELOPMENT (EWD)	17,600	17,600	0	0	17,600	0		
1.3.401.01.080.04 - EWD: MAYORS OFFICE ECON DEV	17,600	17,600	0	0	17,600	0		
402 - DEPARTMENT OF TECHNOLOGY	242,371	250,534	0	0	250,534	(8,163)		
1.3.402.07.050.04 - DT:1UTL:COMM. CONNECTIONS	166,756	179,179	0	0	179,179	(12,423)		
1.3.402.08.050.04 - DT:2UTL:COMM.CONNECTIONS	75,615	71,354	0	0	71,354	4,261		

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404 - DEPARTMENT OF BUILDING INSPECTION (DBI)	1,204,081	1,204,081	0	0	1,204,081	0		
1.3.404.01.080.06 - DPT OF BUILDING INSPECTION	1,204,081	1,204,081	0	0	1,204,081	0		
491 - FORM B - REIMBURSEMENT	(12,227,954)	0	0	0	0	(12,227,954)		
1.3.491.02.040.02 - FORMB - CONTRACT 1252 UTILITY REIMBUR	(254,050)	0	0	0	0	(254,050)	76	
1.3.491.03.040.02 - FORMB - UMS:CONTRACT 1300 UTILITY REIMBURSEMENT	(528,370)	0	0	0	0	(528,370)	77	
1.3.491.04.040.02 - FORMB - CTS:CONTRACT 1300 UTILITY REIMBURSEMENT	(451,703)	0	0	0	0	(451,703)	78	
1.3.491.05.040.02 - FORMB - YBM:CONTRACT 1300 UTILITY REIMBURSEMENT	(100,000)	0	0	0	0	(100,000)	79	
1.3.491.06.040.02 - FORMB - CONTRACT 1300 UTILITY REIMBUR	0	0	0	0	0	0	80	
1.3.491.07.040.02 - FORMB - CONTRACT 1250 UTILITY REIMBUR	(2,275,419)	0	0	0	0	(2,275,419)	81	
1.3.491.08.040.02 - FORMB - CONTRACT 1251 UTILITY REIMBUR	(7,618,412)	0	0	0	0	(7,618,412)	82	
1.3.491.09.040.02 - FORMB - STS:CONTRACT 1300 UTILITY REIMBURSEMENT	(1,000,000)	0	0	0	0	(1,000,000)	83	
TOTAL CONSTRUCTION PHASE	1,670,593,427	1,637,586,373	(11,021,675)	14,464,364	1,652,050,738	18,542,689		
1.4.091.01.070.01 - LRVS: LIGHT RAIL VEHICLES RFP [34B]	1,325,000	1,319,773	0	0	1,319,773	5,227		
1.4.091.01.070.01 - LRVS: LIGHT RAIL VEHICLES PROJECT MGT [68E]	828,009	828,009	0	0	828,009	(0)		
1.4.091.01.070.01 - LRVS: LRV PROCUREMENT ODC	25,000	0	0	0	0	25,000		
1.4.091.01.070.01 - LRVS: LRV PROCUREMENT	9,821,991	9,781,465	0	0	9,781,465	40,526		
1.4.091.97.070.01 - LRVA:AC: VEHICLES ALLOC CONTI	0	0	0	0	0	0	26	
TOTAL VEHICLES	12,000,000	11,929,247	0	0	11,929,247	70,753		
1.5.015.01.060.01 - RE: EASEMENT ACQUISIT	400,000	322,939	0	0	322,939	77,061		
1.5.015.01.060.01 - RE: REAL EST SITE ACQ	15,955,138	14,224,616	0	0	14,224,616	1,730,522		
1.5.015.01.060.01 - RE: REAL ESTATE	766,272	766,272	0	0	766,272	0		
1.5.015.01.060.01 - RE: REC & PARK MOU	6,987,624	7,057,399	0	0	7,057,399	(69,775)		
1.5.015.01.060.01 - RE:-DEPT OF TRANSPOR	2,686,000	2,686,000	0	0	2,686,000	0		
1.5.015.01.060.01 - RE:-LICENSES FEES	400,000	381,311	0	0	381,311	18,689		
1.5.023.01.060.01 - ATTY:REAL ES	2,764,872	2,764,872	0	0	2,764,872	0		
1.5.101.01.060.02 - RES.RELO: RELOCATION COST	1,275,200	1,289,701	0	0	1,289,701	(14,501)		
1.5.102.01.060.02 - COMM.RELO-RELOC COMMERCIAL	905,311	1,119,729	0	0	1,119,729	(214,418)		
TOTAL ROW, LAND, EXISTING IMPROVEMENTS	32,140,418	30,612,840	0	0	30,612,840	1,527,578		
90 - CONTINGENCY		0	0	0	0	801,869		
1.7.500.91.090.00 - UNALLOCATED CONTINGENCY	801,869					801,869	84	
TOTAL ALLOCATED CONTINGENCY						0		
TOTAL PROJECT COST	1,877,153,762	1,840,704,587	(11,021,675)	14,464,364	1,855,168,951	21,984,810		

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7.1 Program Project Budget	
1	The Central Subway Project (CSP) (SFMTA Capital Program CPT 544) is defined in the FTA-SFMTA October 2012 Full Funding Grant Agreement with a budget of \$1.578 billion.
2	The TBM Retrieval Shaft Relocation (SFMTA Capital Program CPT 690) is one of four capital projects that is related to CSP. These projects are reported for background information as needed outside of the main body of the Project Monthly Progress Report.
3	The Chinatown Plaza (CPT 718) is for Chinatown Station enhancement capital project. The project has funding outside of the Central Subway Project. The construction is carried out in Contract 1300 Contract Modifications.
4	CPT 665 is a Real Estate project to relocation in compliance with California regulations for business relocations but outside of the Central Subway Project as defined by the FTA FFGA.
5	CPT 705 is an SFMTA capital improvement between the Agency and community stakeholders outside of the Central Subway Project.
6	Utility company reimbursements (Form B) result in funds received for work carried out on behalf of utilities concurrent to CSP work to achieve efficiencies.
7	PG&E Power Feed reimbursement funds are the refunds from PG&E when completion of Stations construction and switch to permanent power.
8	BART Elevator funds are reimbursements for work carried out on behalf of BART to install BART Powell Street Station elevator.
9	The Tutor Perini - CAD Files funds are the result of payments by the contractor for project documentation not included in the contract.
10	SFPUC Sewer Main funds are reimbursements for work carried out on behalf of San Francisco PUC (includes 10% construction contingency).
11	Traffic Effectiveness Project funded Contract Modification #40 for Culvert, Street & Sidewalk Restoration in North Beach are reimbursements for work carried out in Contract 1252 on behalf of SFMTA SSD.
12	SFPUC 24" Water Main funds are reimbursements for work carried out in Contract 1252 Contract Modification #41 on behalf of San Francisco PUC (includes construction management cost).
13	SFPUC North Beach 24" Water Main Additional Work funds are reimbursements for work carried out in Contract 1252 Contract Modification #48 on behalf of San Francisco PUC (includes construction management cost).
14	CN1300 Contract Modification #6 is funded by Chinatown Plaza (CPT 718) project.
15	Traffic Effectiveness Project funded Contract Modification #51 for support for North Beach Restoration, OCS and Streetlighting which are reimbursements for work carried out in Contract 1252.
16	Public Works' funds are for reimbursements for work carried out on behalf of Public Works MOU for Water Line above YBM Station.
17	SFWD funded Contract Modification #60 for 8' water line at the intersection of Fourth and Jessie Street which are reimbursements for work carried out in Contract 1252.
17a	The Chinatown Plaza (CPT 718) is used for Chinatown Station enhancement. The project has funding outside of the Central Subway Project. The construction is carried out in Contract 1300 Contract Modifications. CMOD#123 is being partially funded by CPT718 funding.

7.4 Contingency Management Trend Report	
18	In Oct 2014 Report, updated Contract 1250 contract cost to segregate contract amount and contract modification amount. Note that September 2013 Supplemental Authorized Contingency "column f" did not include completed contract.
19	In Oct 2014 Report, updated Contract 1251 contract cost to segregate contract amount and contract modification amount. Note that September 2013 Supplemental Authorized Contingency "column f" did not include completed contract.
20	Contract 1252 Original Contract Value "column a" and Original Contingency "column f" did not match September 2013 Supplemental due to Supplemental were used the revised value to reflect Contract Modifications #3-#18. Reduced Contract 1252 contingency to reflect CMod #20 for retrieval shaft relocation cost \$5.15M funded by CPT690, CMod #40 for Culvert, Street & Sidewalk Restoration cost \$694,651 funded by Traffic Effectiveness Project (TEP), and CMod #41 for install 24" Water Main in North Beach cost \$328,860 funded by SFPUC. In August 2015 report, release \$15M CN1252 Tunnel assigned contingency to program unallocated contingency. In March 2106 report, reduced Contract 1252 contingency by \$377,435 cost to reflect certification of five CMODS. CMod#49, #52 and #53 total \$221,967 are funded by CPS. CMod#51 Support for North Beach Restoration, OCS and Streetlighting cost of \$155,468 is being funded by TEP. Released \$155,468 CN1252 allocated contingency to program's unallocated contingency. In May 2016 report, reduced Contract 1252 contingency by \$185,913 cost to reflect certification of two CMODS. In July 2016 report, increased Contract 1252 contingency by \$15,259 cost to reflect certification of one CMOD. In October 2016 report, increased Contract 1252 contingency by \$319,658 to reflect certification of three credit CMODS. In March 2018 report, increased Contract 1252 contingency by \$131,715 cost to reflect certification of two CMODS.
21	BART Elevator scope and SFPUC Sewer Main scope is in Contract 1300; effort will be funded by BART. In January 2015 Report, corrected Station Contract value to match awarded amount. In March 2019, \$18,036,709 was taken out of original contract of \$879,676,400 due to ATCS no longer being done by Tutor hence new revised budget of \$861,639,691. In August 2019, used new methodology to report on the potential changes to our contract cost. See backup via SCC codes. The budget number in cell m14 has also been updated to reflect the true cost.
22	In March 2016 Report, lowered Contract 1300 Stations CTS contingency by \$75,000 because Contract Modification #6 was funded by Project CPT718. In Nov 2016 report, reversed moving contingency.
23	In December 2017 Report, \$1,060,000 Job Readiness Budget is shown as an approved change in Column "b". In March 2019 report, \$18,036,709 taken out of Tutor contract (STS package) and put into unallocated contingency. We then used the same amount from unallocated contingency, \$18,036,709 and moved to its own line for the ATCS (advanced train control system) contract. As of March 2019, Tutor has not given us credit for the \$18,036,709 that is still sitting on the STS AL-14 bid item. That bid item should not be \$25M but instead be \$7,054,078 to reflect amount we have previously paid out. We will continue to monitor the STS-AL bid item to make sure Tutor corrects the amount. In August 2019, we are showing the \$4,841,950 from unallocated program contingency being moved to SCC 50 Systems category.
24	In December 2017 Report, there is a change in Column "f" and Column "h" to reflect reporting to include CN1250 and CN1251. Prior to this, Column "f" and Column "h" reporting excluded CN1250 and CN1251.

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25	In April 2015 report, real estate budget stated in RAMP Rev5 is \$36.7M, including \$1M contingency. The cost workbook ROW & contingency budget reflects this with \$36,511,799 and \$1,000,000 respectively. Revised cost book ROW budget & contingency to be \$37,511,799. The \$4,265,478 Caltrans lease savings is allocated to ROW allocated contingency. In February 2017, released \$5,265,478 from completed phase Real Estate assigned contingency to program unallocated contingency. In September 2020, re-programmed, re-aligned and re-adjusted the allocated STS contingency to increase by \$22,708,106 due to funding received.
26	In Dec 2014 Report, redistributed LRV budget to reflect recent firm bid cost per vehicle (\$3,327,250/unit) from vehicle procurement contract award. (SFMTA Board meeting 15JUL14, calendar item #11). Vehicle line item total budget remains unchanged, redistributed fund by reducing base amount to \$13,309,000, column "c" and increased allocated contingency column "h", by same amount. In Dec 2018 Report, increased LRV budget by \$3,491,000 to reflect final costs of vehicles (\$4,200,000/unit) for vehicle procurement contract to \$16,800,000. Reduced LRV contract and transferred the \$9,585,653 from LRV contingency to unprogrammed contingency.
26a	In July 2018 Report, increased SCC 80 Professional Services category budget by \$2,263,498 due to additional costs related to CN1300 stations; cost was transferred from program unallocated contingency. In August 2019 report, we are realigned and adjusted the allocated contingency for Professional Services and moved to approved changes column.
27	In Oct 2014 Report, made two corrections: i) revised Professional Services, Original Contract Value "column a" from \$310,518,041 to \$310,618,041, ii) revised Original Cogency. "column f" unallocated contingency from \$3,883,481 to \$3,845,945. In April 2015 report, used \$500K program contingency for CS-175 Bayland Soil Process contract. In August 2015 Report, added \$15M from Contract 1252. In March 2016 Report, the \$155,468 costs funded by other project offset credits added to program's unallocated contingency. In August 2016 Report, used \$15M to UMS contingency and \$5M to CTS contingency. In February 2017, increased \$5,265,478 from real estate contingency to program unallocated contingency and used \$1M for CN1300 Job Readiness Program contract. In July 2018 report, used \$2,263,498 to increase SCC 80 Professional Services category regarding matters related to stations from program unallocated contingency. In August 2019 report, used \$4,841,950 to increased SCC 50 Systems category regarding matters related to CSP Radio from program unallocated contingency.
28	The total Central Subway Project budget of \$1.578 billion, based on the October 2012 FFGA with the FTA, is the primary MPR report reference. In September 2020, the project budget increased from \$1.578 billion to \$1.601 billion due to additional funding. In October 2020, the project budget increased from \$1.601 billion to \$1.665 billion due to additional funding. In January 2021, the project budget increased from \$1.665 billion to \$1.691 billion due to additional funding. In February 2021, the project budget increased from \$1.691 billion to \$1.698 billion due to additional funding. In March 2021, the project budget increased from \$1.698 billion to \$1.806 billion due to additional funding. In April 2021, the project budget increased from \$1.806 billion to \$1.877 billion due to additional funding.
29	Estimate at Completion is shown at Column "e".
30	Estimate at Completion vs. Budget variance is shown at Column "k".
7.5 Contract Modification/Trend Log - Contract 1300 Stations	
31	Reported all trend cost for Contractor Change Order Requests and Proposed Contract Change and applied probability to forecasted trends. In April 2016 Report, reviewed probability formula and adjusted cost. In May 2017, updated probability formula and adjusted cost.

7.6 Budget Revisions: Report Sorted by Construction Packages	
32	In Dec 2014 Report, reduced CN1252 allocated contingency by \$28K to execute Contract Modification #46, see Report 7.5 Detail Contingency Usage Report. In August 2015 report, release \$15M CN1252 Tunnel assigned contingency to program unallocated contingency. In March 2016 report, five contract modifications certified totaling \$377,435 of which \$155,468 is using another source of funding. Released \$155,648 from CN1252 Tunnel assigned contingency to program unallocated contingency. In May 2016 Report, reduced CN1252 allocated contingency by \$186K to execute Contract Modification #54 and #55, see Report 7.5 Detail Contingency Usage Report. In October 2016 Report, increased CN1252 allocated contingency by \$319,658 to execute three contract modifications (#57, #58 and #59), see Report 7.5 Detail Contingency Usage Report. In March 2018 Report, increased CN1252 allocated contingency by \$131,715 to execute two contract modifications (#61 and #62), see Report 7.5 Detail Contingency Usage Report. In December 2018 Report, released CN1252 allocated contingency of \$966,431 to program unallocated contingency.
33	In February 2017 report, initiated budget from program unallocated contingencies for CN1300 Job Readiness Program. CN1300 Job Readiness Program budget was part of CN1300 base value, a deduction contract modification will lower CN1300 contract value.
34	In April 2015, initiated budget from program unallocated contingencies for CS-175 Bayland Soil Process contract, refer to Note 20.
34a	In March 2019, initiated transfer due to budget being withdrawn from Tutor contract (STS package) to fund the Advanced Train Control System contract amount of \$18,036,709. CN1266-2 Advanced Train Control System (ATCS) Implementation for \$14,611,285 and CN1266-1 Advanced Train Control System (ATCS) Equipment for \$3,425,424.
34b	In December 2018, initiated budget from program unallocated contingencies for AON Risk Insurance, refer to Note 20.
35	In February 2017, released completed phase real estate assigned contingency \$5,265,478 to program unallocated contingency.
36	In Dec 2014 Report, redistributed LRV budget to reflect recent firm bid cost per vehicle (\$3,327,250/unit) from vehicle procurement contract award. (SFMTA Board meeting 15JUL14, calendar item #11). Vehicle line item total budget remains unchanged, redistributed fund by reducing base amount to \$13,309,000 and increased allocated contingency by same amount. In December 2018 Report, adjusted budget from \$13,309,000 to \$16,800,000 from allocated contingency. Took the remaining allocated contingency of \$9,585,653 and moved it to program unallocated contingency. In January 2021, reduced the LRV budget by \$4.8M and moved to CN1300 STS contingency. The adjusted budget for LRV went from \$16.8M to \$12M.
36a	In August 2019 Report, utilized the contingency of \$16,862,657 from 80.03 Project Management budget and 80.04 Construction Management budget and redistributed funds to align with AECOM budget to reflect true costs plus additional \$12,000,000 in 2019 annual work plan.

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37	<p>In October 2016 report, 1252 program contingency increased by \$319,658 due to execution of three contract modifications as credit offsets. In November 2016 report, took away \$75,000 funding from program's unallocated contingency and moved to CTS allocated contingency. In February 2017 report, initiated budget from program unallocated contingencies for CN1300 Job Readiness Program. CN1300 Job Readiness Program budget was part of CN1300 base value, a deduction contract modification will lower CN1300 contract value. Also released \$5,265,478 assigned real estate contingency to program unallocated contingency. In June 2017, initiated budget from Contract 1251's contract value (true final administrative close out cost) to program unallocated contingency, a deduction contract modification that lowered CN1251's contract value by \$125,501. In March 2018 report, 1252 program contingency increased by \$131,715 due to execution of two contract modifications as credit offsets. In July 2018, increased SCC category Professional Services in 80.04 Construction Management by \$2,263,498 by reducing program unallocated contingency. In August 2019, increased SCC category Other Construction in 50.05 CSP Radio by \$4,841,950 by reducing program unallocated contingency.</p>
38	<p>In April 2015 report, program contingency decreased by \$500,000. In August 2015 report, release \$15M CN1252 Tunnel assigned contingency to program unallocated contingency. In March 2016 report, released \$155,468 from Contract 1252 Tunnel assigned contingency and \$75,000 from Contract 1300 Stations assigned contingency totaling \$230,956. In August 2016, released a total of \$20M unassigned contingency to assigned contingency; \$15M to CN1300 UMS station and \$5M to CTS station. In February 2017 report, initiated budget from program unallocated contingencies for CN1300 Job Readiness Program. CN1300 Job Readiness Program budget was part of CN1300 base value, a deduction contract modification will lower CN1300 contract value. Also released \$5,265,478 assigned real estate contingency to program unallocated contingency. In July 2017, increased program unallocated contingency by \$125,501 due to CN1251's revised contract value. In July 2018, reduced program unallocated contingency by \$2,263,498 to fund additional costs for SCC category Professional Services in 80.04 Construction Management. In December 2018, reallocated CN1252 budget of 2,402,247 (due to closeout cmod reduction of 1,435,816 and contingency release of 966,430) and LRV budget contingency of 9,585,653 and released a total of 11,987,900 to unprogrammed contingency. In August 2019, reduced program contingency by \$4,841,950 to fund additional costs for SCC category Other Construction in 50.05 to fund CSP Radio related services. In August 2020, used \$5.25M of unprogrammed contingency to fund AECOM 2020 AWP \$4.5M and AECOM 2020 ODC \$750K. In October 2020, added \$20,265,846 to unprogrammed contingency. In January 2021, moved \$200K from unprogrammed contingency to CN1300 STS contingency.</p>

7.7 Budget Expenditures by SCC Codes	
39	<p>In March 2017, added new columns for "Supplemental 2013 Budget" and "Remaining Budget". In April, added new column for "Contingency". In May 2017, added new column for "Report Note". In May 2017, breakdown the combined SCC codes 10 to 50 into individual row for 10, 20, 40, 50 categories. Assigned SCC code to all CN1300 potential changes. Contract 1300 Station assigned contingency SCC are 20.01 and 20.03. The budget transfer is using assigned contingency to process contract modifications. In June 2017, adjusted and realigned SCC codes. In July 2018, the budget transfer is using SCC 90 program unallocated contingency to process an increase in budget for category SCC 80.03-90.04 PM For Design & Construction. In March 2019, added \$18,036,709 from taking out the ATCS from Tutor contract. The budget transfer was used to create a stand alone line for ATCS work in 50.01 under Thales. In August 2020, used \$5.25M of unprogrammed contingency to create AECOM 2020 AWP \$4.5M and AECOM 2020 ODC \$750K. In October 2020, used \$32M of unprogrammed contingency to increase the contingencies for CN1300 CTS, YBM and STS station; increased AECOM 2020 AWP & ODC by \$6M; increased CS 155.2 by \$3,728,919 and added \$20,265,846 to unprogrammed contingency. In January 2021, received \$26M funding and increased the contingency for CN1300 STS station; lowered the LRV budget by \$4.8M and reduced the unprogrammed programmed contingency by \$200K and transferred the \$5M to increased the contingency for CN1300 STS. In February 2021, received \$6.6M funding and increased contingency for CN1300 STS station. In March 2021, received \$108,266,568 funding and increased budget for ATCS by \$1M, contingency for CN1300 CTS station by \$93,961,494, fully funded CSDG by \$3,556,243, fully funded HNTB by \$3,160,710, AECOM 2020 AWP by \$2,588,121 and AECOM 2021 AWP by \$3M and ODC by \$1M. In April 2021, received \$71,600,000 funding and increased budget for ATCS by \$8.5M, PM \$1M, CM \$1M, \$29.1M to CTS contingency and \$32M to STS contingency.</p>
7.9 Detail Monthly Expenditure Report	
Phase 1 Preliminary Engineering	
40	<p>In February 2017, line item budget was adjusted to line-up expenditures. Famis cost for Preliminary Engineering (PE) is \$48,210,903.71. Cost Report for Preliminary Engineering (PE) is \$46,542,060. Some Design cost reported in Famis were moved to Design Phase.</p>
Phase 2 Design Phase	
41	Famis cost adjustment to transfer Project Management cost from July 2013 to Phase 3 Construction Phase.
42	Famis Phase 1 PE Index Code: 357906.CPT5441112 cost is \$10,222,939 \$8,949,300 is reported in Cost Report Phase 1 PE and the balance of \$1,273,639 is reported in Phase 2 Design.
43	1.2.021.01.080.03 - FD:CTYCO-ARTS COMMISSION [357909ART001.CPT5441227]: FAMIS: \$1,425,167 Cost Report: \$1,425,167 cost is reported in Phase 2 Design, 1.2.021.01.080.03 Cost Transfer: Remaining cost is reported in Phase 3 Construction, 1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [357909ART001.CPT5441227]
44	In December 2016 Report, Central Subway Project has re-activated CSA Audit Work Order to perform overhead audit for three consultant forms.
45	1.2.055.01.080.02 - FD:ODCs - 651 BRANNAN STREET [35CPT5441241.CPT5441241]: FAMIS: \$2,294,910 Cost Report: \$2,294,910 1.2.055.01.080.02 Cost Transfer: Future costs to be allocated to 1.3.055.01.080.02 - FD:ODCs - 651 BRANNAN STREET [35CPT5441241.CPT5441241]

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	1.2.063.01.080.03 - AECOM.CS149 OM-EPC JV CS149-PM [68CPT544133D.CPT544133D]: FAMIS: \$4,698,167 Cost Report: \$4,698,167 on 1.2.063.01.080.03
46	Cost Transfer: Future costs to 1.3.063.01.080.03 - AECOM.CS149 OM-EPC JV CS149-PM [68CPT544133D.CPT544133D]
47	AVA Cost \$395,204 is reported in Phase 2 Final Design 1.2.066.01.080.03
48	In January 2017 Report, remove variance amount of (\$920,555) that was incorrectly reported in August 2016.
	1.2.071.01.080.02 - FD:FINAL DESIGN-DP1 [35CPT5441232.CPT5441232]: FAMIS: \$5,608,147 Cost Report: \$5,469,336
49	Cost Transfer: \$138,811 to 1.3.071.01.080.04 - FD:FINAL DESIGN-DP1 [35CPT5441232.CPT5441232]
	1.2.072.01.080.02 - FD:FINAL DESIGN-DP2 [35CPT5441233.CPT5441233]: FAMIS: \$26,268,511 COST REPORT: \$26,220,609
50	COST TRANSFER: \$47,902 to 1.3.072.01.080.04 - FD:FINAL DESIGN-DP2 [35CPT5441233.CPT5441233]
	1.2.073.01.080.02 - FD:FINAL DESIGN-DP3 [35CPT5441236.CPT5441236]: FAMIS: \$11,502,372 COST REPORT: \$11,432,312
51	COST TRANSFER: \$70,060 to 1.3.073.01.080.04 - CM: DP3 [35CPT5441236.CPT5441236]
Phase 3 Construction Phase	
	1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [357909ART001.CPT5441227]: FAMIS: \$1,525,982 Cost Report: \$1,425,167 1.2.021.01.080.03
52	Cost Transfer: any future costs to 1.3.021.01.080.03
53	In January 2017 Report, revised SCC Code from 1.2.032.02.080.02 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112B112] to 1.3.032.06.080.04 to correct incorrect SCC assignment for DPW support to construction phase.
54	In January 2017 Report, revised SCC Code from 1.2.032.02.080.02 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112C112] to 1.3.032.06.080.04 to correct incorrect SCC assignment for DPW support to construction phase.
55	In January 2017 Report, revised SCC Code from 1.2.032.02.080.02 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112D112] to 1.3.032.06.080.04 to correct incorrect SCC assignment for DPW support to construction phase.
56	In January 2017 Report, revised SCC Code from 1.2.032.02.080.02 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112E112] to 1.3.032.06.080.04 to correct incorrect SCC assignment for DPW support to construction phase.
57	In January 2017 Report, revised SCC Code from 1.2.032.02.080.02 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112F112] to 1.3.032.06.080.04 to correct incorrect SCC assignment for DPW support to construction phase.
58	In January 2017 Report, revised SCC Code from 1.2.032.02.080.02 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112G112] to 1.3.032.06.080.04 to correct incorrect SCC assignment for DPW support to construction phase.

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59	1.3.055.01.080.02 - FD:ODCs - 651 BRANNAN STREET [35CPT5441241.CPT5441241]: FAMIS: \$2,294,910 Cost Report: \$2,294,910 1.2.055.01.080.02 - FD:ODCs - 651 BRANNAN STREET [35CPT5441241.CPT5441241] Cost Transfer: Future costs to be allocated to 1.3.055.01.080.02
60	1.3.063.01.080.03 - AECOM.CS149 OM-EPC JV CS149-PM [68CPT544133D.CPT544133D]: FAMIS: \$4,698,167 Cost Report: \$4,698,167 on 1.2.063.01.080.03 Cost Transfer: Future costs to 1.3.063.01.080.03 - AECOM.CS149 OM-EPC JV CS149-PM [68CPT544133D.CPT544133D]
61	In February 2017, transferred \$1,060,000 from programs unallocated contingency to initiate CN1300 JOB READINESS contracts, (cost account code 1.3.064.06.040.08). A deductive Construction Modification to CN1300 will process.
62	Used \$500K program contingency for CS-175 Bayland Soil Process contract. Refer to Report Notes #20.
63	1.3.071.01.080.04 - FD:FINAL DESIGN-DP1 [35CPT5441232.CPT5441232]: FAMIS: \$5,608,147 Cost Report: \$5,469,336 Cost Transfer: \$138,811 to 1.3.071.01.080.04 - FD:FINAL DESIGN-DP1 [35CPT5441232.CPT5441232]
64	1.3.072.01.080.04 - FD:FINAL DESIGN-DP2 [35CPT5441233.CPT5441233]: FAMIS: \$26,268,511 COST REPORT: \$26,220,609 COST TRANSFER: \$47,902 to 1.3.072.01.080.04 - FD:FINAL DESIGN-DP2 [35CPT5441233.CPT5441233]
65	Contract 1251 Final cost is \$20,794,582.
66	In March 2016, July 2016 and October 2016, contract 1252 modifications budget and actuals have been realigned and adjusted to reflect actuals costs.
67	In March 2016, July 2016 and October 2016, contract 1252 modifications budget and actuals have been realigned and adjusted to reflect actuals costs.
68	Revised Contract 1252 allocated contingency SCC code from 040.08 to 010.07.
69	In July 2015 Report, used Contract 1300 Contractor schedule to report budget and actual cost. The Standard Cost Categories (SCC) allocation changed from previous reports. In August 2015 Report, adjusted some of Contract 1300 Contractor SCC assignment to match most of previous SCC assignment. In March 2016, \$75,000 Cmod#6 subtracted from CN1300 Stations contingency (using CPT718 funding) and transferred to Program contingency; this lead to the total CN1300 Station budget being lowered. In September 2020, received \$22,708,106 from local funds and added to CN1300 Station budget thus resulted it in being increased.
69a	In August 2020, based on Tutor's PP#82, there was a total of \$5,371,820 of costs that was not associated with bid item or cmod. Based on Tutor's spreadsheet, our CM team spread it across the four stations and attributed UMS with \$1,886,753 and having it sit in cost center 1.3.088.84.040.07.
70	Revised Contract 1300/UMS allocated contingency SCC code from 040.08 to 020.03.
71	In March 2016 Report, reduced Contract 1252 contingency by \$377,435 cost to reflect certification of five CMODS.
71a	In August 2020, based on Tutor's PP#82, there was a total of \$5,371,820 of costs that was not associated with bid item or cmod. Based on Tutor's spreadsheet, our CM team spread it across the four stations and attributed CTS with \$1,419,413 and having it sit in cost center 1.3.088.85.050.05.
72	Revised Contract 1300/CTS allocated contingency SCC code from 040.08 to 020.03.

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73	Negative Current or Prior Monthly expenditure is due to replenish allowance expenses by approved Contract Modifications.
73a	In August 2020, based on Tutor's PP#82, there was a total of \$5,371,820 of costs that was not associated with bid item or cmod. Based on Tutor's spreadsheet, our CM team spread it across the four stations and attributed YBM with \$1,090,286 and having it sit in cost center 1.3.088.86.050.05.
74	Revised Contract 1300/YBM allocated contingency SCC code from 040.08 to 020.03.
74a	In August 2020, based on Tutor's PP#82, there was a total of \$5,371,820 of costs that was not associated with bid item or cmod. Based on Tutor's spreadsheet, our CM team spread it across the four stations and attributed STS with \$975,368 and having it sit in cost center 1.3.088.89.040.07.
75	Revised Contract 1300/STS allocated contingency SCC code from 040.08 to 020.01.
75a	In August 2019 Report, reallocated and aligned SCC 80 Professional Services category budget by \$2,956,812 due to additional costs; cost was transferred from construction management allocated contingency.
76	Revised Form B Reimbursements SCC code from 900.01 to 040.02
77	Revised Form B Reimbursements SCC code from 900.01 to 040.02
78	Revised Form B Reimbursements SCC code from 900.01 to 040.02
79	Revised Form B Reimbursements SCC code from 900.01 to 040.02
80	Revised Form B Reimbursements SCC code from 900.01 to 040.02
81	Revised Form B Reimbursements SCC code from 900.01 to 040.02
82	Revised Form B Reimbursements SCC code from 900.01 to 040.02
83	Revised Form B Reimbursements SCC code from 900.01 to 040.02
84	Increase Program contingency \$1,023,508. Refer to Report Notes #11 and #12. In April 2015 report, program contingency decreased by \$500,000. Refer to Report Notes #20. In August 2015 report, release \$15M CN1252 Tunnel assigned contingency to program unallocated contingency. In March 2016 report, program unallocated contingency increased by \$230,468. In August 2016, released \$20M to CN1300 Construction assigned contingency from program unallocated contingency. In February 2017, used \$1,060,000 for CN1300 Job Readiness Program from unallocated contingency, refer to Note 30. Also, released \$5,265,478 assigned real estate contingency to program unallocated contingency, refer to Note 27. In July 2018 report, used \$2,263,498 to fund SCC 80 Professional Services category regarding matters related to stations from program unallocated contingency. In December 2018, moved \$11,987,900 from CN1252 and LRV contingency to program unallocated contingency. In March 2019, added \$18,036,709 from taking out the ATCS from Tutor contract. The budget transfer was used to create a stand alone line for ATCS work in 50.01 under Thales. In August 2019, used \$4,841,950 from program unallocated contingency to create CSP Radio Design, CSP Radio Cable, and CSP Radio Procurement in SCC 50 Systems category. Waiting for a contract modification to readjust the borrowed contingency from unprogrammed contingency. In August 2020, used \$5.25M of unprogrammed contingency to create AECOM 2020 AWP \$4.5M and AECOM 2020 ODC \$750K. In September 2020, received \$22,708,106 in funding from local funds and re-aligned the allocated contingency so that it would decrease from \$76M in Aug to \$53M in Sep. In October 2020, used \$32M of unprogrammed contingency to increase the contingencies for CN1300 CTS, YBM and STS station; increased AECOM 2020 AWP & ODC by \$6M; increased CS 155.2 by \$3,728,919 and added \$20,265,846 to unprogrammed contingency. In November 2020, used \$13,000,000 from unprogrammed contingency to increase STS station contingency; increased a1266-2 atcs implementation budget by \$896,645 due to cmods 2 and 3; realigned the budgets for project management, construction management; added additional \$2M for CS 149 AWP and ODC; thus unprogrammed contingency was reduced by \$20,896,645.

Appendix B

DETAIL SCHEDULE REPORTS

SCHEDULE HIGHLIGHTS

The Master Project Schedule (MPS) below includes progress through September 2021. The September 2021 Schedule Update submittal from Contract 1300 Contractor was not submitted as the CN1300 Contractor has not provided the updated corrections to their June 2017, through July 2018 Schedule Updates. The Contract 1300 schedule represented in this report is based on the SFMTA September 2021 Schedule Update.

The MPS shows a forecast Revenue Service Date of Spring 2022 based on a revised assessment of the overall schedule and the current project conditions related to work efficiency due to COVID. The revised Revenue Service Date of Spring 2022 has been shared with our funding partners and a revised request to extend the Full Funding Grant Agreement with the revised date has been submitted to Federal Transit Administration (FTA) for approval. The project continues to evaluate this date with potential impact from COVID restrictions. The schedule team is assessing the risk with these issues and identifying potential mitigation to reduce the risk to the overall schedule.

Currently we are experiencing day-to-day delays caused by TPC's electrical work in the tunnel and surface impacted by lack of resources. These issues have impacted TPC's Substantial Completion date, we have mitigated the delay by accelerating rail activation activities. TPC and SFMTA are working to reach scope and cost agreements for these contract modifications as TPC refuses to commence work without an approved Contract Modification. The controlling critical (longest) path of the MPS runs through the electrical activities in the tunnel and surface which are impacting the TPC's Startup and Testing and subsequently the rail activation process. The latest schedule shows the longest path running through the Surface, Tracks and Systems (STS).

SFMTA continues to meet with Contractor to discuss all schedule concerns and comments. TPC has not been able to correctly staff the project which could potentially delay the project. In order to achieve the Baseline work productivity, TPC needs to increase the number of crews assigned to electrical work, allowing concurrent work within the tunnel and stations in order to make this completion date possible. It also requires that the front-end portion of ATCS Startup and Testing is performed concurrently with TPC's Startup and Testing followed by ATCS software testing in coordination with SFMTA Operations.

Contract 1300 Contractor submitted fifty-four (54) Schedule Updates from December 2014 to July 2019. SFMTA rejected twenty-eight (28) Schedule Updates from January 2016 to April 2016 and June 2016 to July 2018 due to multiple and repetitive issues that vary from incorrect working sequences to unrealistic forecasted completion dates to artificially steering the schedule longest path through certain portions of the project. SFMTA approved as noted December 2014 through December 2015, and May 2016 Schedule Updates. Contractor has been directed to provide a Revised Schedule as required by the overall settlement agreement to maintain the forecasted project completion.

Contract 1300 - WP1253 UMS / WP1254R CTS / WP1255 YBM / WP1256 STS:

The Contractor, Tutor Perini Corporation's (TPC) baseline schedule is incorporated into the master program schedule. The preliminary SFMTA Contract 1300 September 2021 schedule is used within the September Report. The SFMTA Contract 1300 September 2021 schedule is based on the approved baseline schedule logic with adjustments made as mentioned above. The SFMTA will continue to use the SFMTA Contract 1300 schedule update as a forecasting tool going forward until the Contract 1300 Contractor submits an acceptable schedule that addresses all SFMTA's scheduling concerns.

Work Package P-1254R (CTS) has performed the following work this month:

- Completed plumbing installation at Plaza level
- Continued testing Elevators 1, 2, 3, and 4
- Continued testing Escalators 1, 2, 3, 4, 5, and 6
- Continued Security System Testing
- Continued train testing at Crossover Cavern and Train Platform
- Contractor continued closing out internal punch list items
- Main Electrical room switchgear water damaged. Retesting/recertification plan being developed. NCN letter transmitted to Contractor.
- Continued street work (minor), ongoing monitoring and surveying

Work Package P-1254R (CTS) will perform the following work next month:

- Complete testing Elevators 1, 2, 3 and 4
- Complete testing Escalators 1, 2, 3, 4, 5 and 6
- Cubic to install ticket vending machines and faregates
- Complete Security System Testing
- Complete Access Control System Testing
- Complete Fire Alarm System Testing
- Complete HVAC System Testing
- Continue cavern grouting to embed waterproof membrane
- Continue street work (minor), ongoing monitoring and surveying

Activity ID	Activity Name	2021				2022		
		Sep	Oct	Nov	Dec	Jan	Feb	Mar
Construction CTS Station P-1254R								
Administrative / Milestones								
Site Work / Utility Relocation								
Demolition								
Mechanical								
Entrance Roof Level								
Upper Mezz Level								
Lower Mezz Level								
CTS.26.05.565	CTS_LM 13 - Elevator Closet: Install - Elevator Controller							
Under Platform Level								
CTS.23.88.512	CTS_UP 04 - Emerg Fan Rm: Install - Tunnel Ventilation Fans (3 each)							
Misc Metal								
Electrical								
Lower Mezz Level								
Concourse Level								
Platform Level								
CTS.26.50.230	CTS_PL 06 - Stair 5A: Install - Hang Light Fixtures & Terminate							
CTS.26.50.180	CTS_PL 09 - Aux Comm Rm: Install - Conduit & Devices For Lighting							
CTS.34.05.140	CTS_PL_Install Conduit NB Positive Feeder Box PS03 to PS09 (Traction Power)							
CTS.28.31.132	CTS_PL 17 - Comidor - Install - Fire Alarm Clean Agent Control Panel							
CTS.34.05.150	CTS_PL_Install Conduit NB Positive Feeder Box PS04 to PS10 (Traction Power)							
CTS.28.31.133	CTS_PL 17 - Comidor - Install - Fire Alarm Preaction Cabinet							
CTS.26.24.270	CTS_PL 03 - Aux Elect Rm: Terminations - Panelboard E5NHL (Emerg Ltg Stair 4)							
Under Platform Level								
CTS.26.50.145	CTS_UP 03 - Stair 6: Hang Light Fixtures & Terminate							
CTS.26.05.420	CTS_UP 01 - Sump Pump Rm: Pull Wire & Set Receptacles							
Architectural Finishes								
Conveyances								
Concourse Level								
CTS.14.31.505	Startup & Inspect Escalators 3&4 (Concourse to Upper Mezz)							
CTS.14.21.385	CTS_CN 03 Install Traction Elevator #4 (Concourse Level to Surface)							
Platform Level								
CTS.14.24.295	CTS-PL 05:Inspections - Elevators 1&2							
CTS.14.24.285	CTS-PL 05: Startup & Test Elevators 1&2							
CTS.14.21.245	Install Traction Elevator #3 (Platform Level to Surface)							
Startup & Testing								
Upper Mezz Level								
Lower Mezz Level								
Concourse Level								
Platform Level								
CTS PL - 20	CTS_PL - Pre-Revenue Punchlist Corrections							

Work Package P-1253 (UMS) has performed the following work this month:

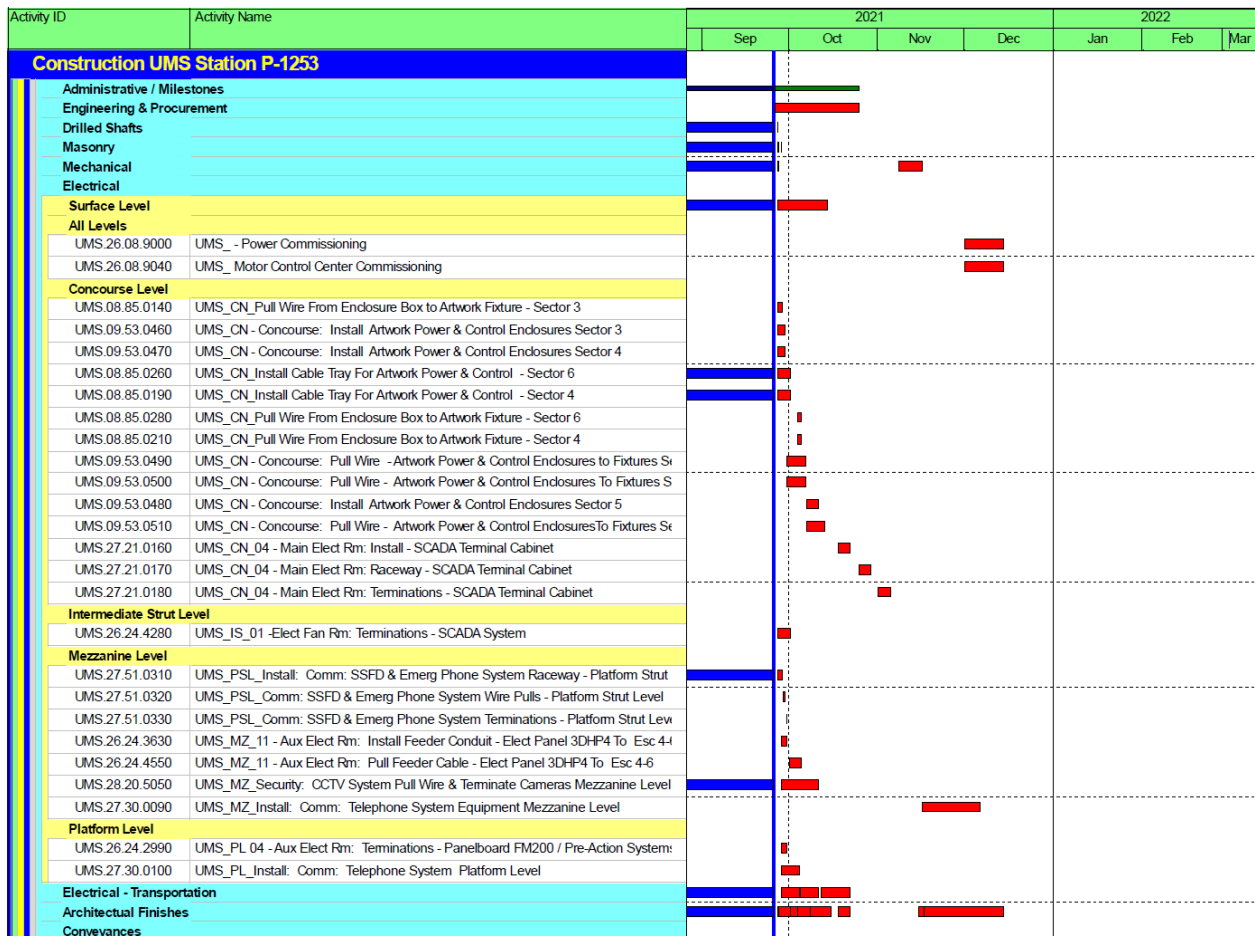
Continued construction, installation and testing of the following items:

- Begin puff test for FM-200 system
- Continued cleaning Escalator 1, 2, 3
- Start-Up process for water mitigation issue
- Installation of handrail at platform level stairs
- Installation of station-wide Wi-Fi system
- Continued yellow casing for emergency telephone system
- Continued and finished fire proofing in gap breaker room
- Continued and finished cleaning Elevator 1 hoistway components
- Complete elevator 1,2 &3 testing
- Complete installation of Cables for emergency telephones

Work Package P-1253 (UMS) will perform the following work next month:

Continued construction, installation and testing of the following items:

- Continue of street light pole at the intersection of Geary and Stockton Street
- Continue cleaning of Escalator 1,2,3
- Begin installation of Lift Net cable for Escalator/Elevator machine room to communication rooms
- Begin Core Drill for TVM installation
- Begin installation of Ticket Vending Machine.
- Begin installation of auxiliary shunt trip for elevator 1&2
- Installation of Fare-Gates on Concourse level



Work Package P-1255 (YBM) has performed the following work this month:

- Continued resolving final issues in preparation for TP energization
- Completed work on resolving water leak issue on stab-up conduits going through Platform to Invert level
- Continued escalator cleaning for Escalator 1 and 2

Work Package P-1255 (YBM) has performed the following work this month:

- Complete installing signage
- Complete Station Agent Booth, panel sign off, door and interior finish
- Complete Traction Power Gear Testing
- Complete Traction Power SCADA Testing
- Complete CCTV testing for Elevators
- Complete deluge spray pattern demonstration with SFFD
- Complete terminating wire for blue light emergency phones
- Complete metal cladding installation at Escalator 1 and 2
- Complete metal cladding installation at Escalator 3
- Complete daiken testing of reworked systems
- Complete room pressure tests
- Complete Elevator and Escalator functionality tests

Activity ID	Activity Name	2021				2022		
		Sep	Oct	Nov	Dec	Jan	Feb	Mar
Construction YBM Station P-1255								
Concrete/Shotcrete								
Electrical								
Under Platform Level								
YBM.34.22.0350	YBM_UP_Install: Elect: Pull Negative Feeder Cable, Coil & Protect(Traction Power)							
Electrical - Transportation								
Under Platform Level								
YBM.34.22.0330	YBM_IV 302 - Traction Power Rm: Pull - Traction Power Cables Pullbox B-01 To PSI							
Conveyances								
All Levels								
YBM.14.21.125	Startup & Test Elevators #1, 2							
YBM.14.31.207	Startup & Test Escalator #3,4 from Concourse to Surface Level							
YBM.14.21.155	Startup & Test Elevators #3, 4							
YBM.14.31.197	Startup & Test Escalator #1,2 from Platform to Concourse Level							
Startup & Testing								
No 13-Disp								
Surface Level								
YBM.100	Complete Dry-in- Moscone Station							
YBM.28.31.0110	YBM_Install Security: Addressable Fire Alarm System Surface Level							
YBM.07.81.100	Spray Applied Fireproofing (07 81 00)							
YBM.07.42.150	Exterior Metal Wall Panels- Surface Level (07 42 13)							
YBM.12.93.100	Install Site Furnishings- Bike Racks, Benches, Metal Seatings, Receptades, Surface							
YBM.12.93.120	Install Bollards, Surface Level							
YBM.09.09.900	Architectural Punchlist Work							
All Levels								
YBM.08.44.150	Install Skylight Glass (by others)							
YBM.09.66.190	Terrazzo Treads - Stair #7, FL11 (09 66 23)							
Concourse Level								
YBM.26.24.147	YBM_CN - Install Sewage Ejection Pump Control Panel Headhouse Concourse							
YBM.08.80.110	Glazing/ Glass Door, Station Agent Booth, Concourse Level (08 80 00)							
YBM.09.53.205	Install Perforated Metal Ceiling Systems, Station Agent Booth, Concourse Level- (09 53 205)							
Mezzanine Level								
YBM.08.11.100	Install - Door & Hardware, Mezzanine Level							
YBM.23.31.361	YBM_MZ_302 - Mech Rm:Startup & Test - HVAC:Supply Fan #1							
YBM.23.31.351	YBM_MZ_302 - Mech Rm:Startup & Test - HVAC:Exhaust Fan#1							
YBM.21.12.375	YBM_MZ Install Fire Suppression System DSP & TSP Mains Mezzanine Headhouse							
YBM.26.50.995	YBM_Elect - Electrical Punchlist Work							
Platform Level								
YBM.08.11.107	Install - Door & Hardware, Platform Level							
YBM.23.09.130	YBM_Install: HVAC Instrumentation & Controls, Platform Level (23 09 13)							
YBM.28.13.100	YBM_Install: Security: Security System (Traction Power) (28 13 10)							
No 13-Level								

Work Package P-1256 (STS) has performed the following work this month:

- Continued 4th/Brannan platform construction
- Continued streetlighting installation
- Continued trolley OCS installation on 4th Street
- Installed new foundations and OCS poles on Brannan St.
- Continued pulling blue light cables in tunnels and stations
- Continued installation of cable trays and brackets for negative jumpers to tracks at various station platform areas
- Continued OCS, track and miscellaneous punch list work
- Continued ATCS and radio system testing

Work Package P-1256 (STS) will perform the following work next month:

- Continue 4th/Brannan platform construction
- Continue streetlighting installation
- Continue OCS installation on surface
- Continue installation of cable trays and brackets for negative jumpers to tracks at various station platform areas
- Continued OCS, track and miscellaneous punch list work
- Continue ATCS and radio system testing

Activity ID	Activity Name	2021				2022		
		Sep	Oct	Nov	Dec	Jan	Feb	Mar
Construction STS P-1256								
Concrete/Shotcrete								
Tunnel Concrete								
Electrical								
Chinatown Station								
Union Square Station								
Moscone Station								
Fourth/King Intersection								
Fourth Street								
STS.34.23.2600	STS_Install: OCS System - Install OCS Trolley Wire In 4th St - Townsend To King Str							
STS.34.41.2040	STS_Install: Traffic Signal Controllers 4th St							
STS.34.41.1990	STS_Demo/Salvage; Traffic Signals 4th St							
STS.34.23.2620	STS_Install: OCS System - Install OCS Trolley Wire & Special Work In 4th St/Townse							
STS.34.23.2590	STS_Install: OCS System - Install OCS Trolley Wire In 4th St - Bluxome To Townsen							
STS.34.41.2000	STS_Install: Traffic Signals 4th St							
STS.34.23.2580	STS_Install: OCS System - Install OCS Trolley Wire In 4th St - Brannan To Bluxome							
STS.34.23.2570	STS_Install: OCS System - Install OCS Trolley Wire In 4th St - Freelon To Brannan							
STS.34.23.2560	STS_Install: OCS System - Install OCS Trolley Wire In 4th St - Welsh To Freelon							
STS.34.41.2030	STS_Pull & Terminate Traffic Signal Wiring 4th St							
STS.34.23.2550	STS_Install: OCS System - Install OCS Trolley Wire In 4th St - Bryant to Welsh							
Fifth Street								
Fourth/Brannan Station								
Harrison St								
Bryant St								
Brannan St								
Townsend St								
HeadHouse								
Northbound Tunnel or Trackway								
STS.34.42.0490	STS_Install: Train Control - Remote Feed Boxes- NB Portal to Moscone							
STS.34.42.0510	STS_Install: Train Control - ATSC Entry Point Signage - Portal							
STS.34.42.0880	STS_Install: Train Control - Remote Feed Boxes- NB Moscone to Union Square							
STS.34.42.0900	STS_Install: Train Control - ATSC Entry Point Signage - Moscone Station							
STS.34.42.2270	STS_Install: Train Control - Train Control Conduit - & JB's NB Portal To Moscone							
STS.34.42.1260	STS_Install: Train Control - Remote Feed Boxes- NB Union Square to Chinatown							
STS.34.42.1270	STS_Install: Train Control - ATSC Entry Point Signage - Union Square Station							
STS.34.42.1630	STS_Install: Train Control - Remote Feed Boxes- NB Chinatown to North Limits							
STS.34.42.1640	STS_Install: Train Control - ATSC Entry Point Signage - Chinatown							
STS.34.22.2880	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PS-04 To PFCE							
STS.34.22.3280	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - NB Portal Pull I							
STS.34.22.2840	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB19 To							
STS.26.05.1560	STS_Install: Tunnel Electrical -Lighting Fixtures - NB Chinatown to North Limits							
STS.34.42.0480	STS_Install: Train Control - Axle Counter Electronics Boxes/Track Heads NB Portal to							

SCHEDULE REVISIONS

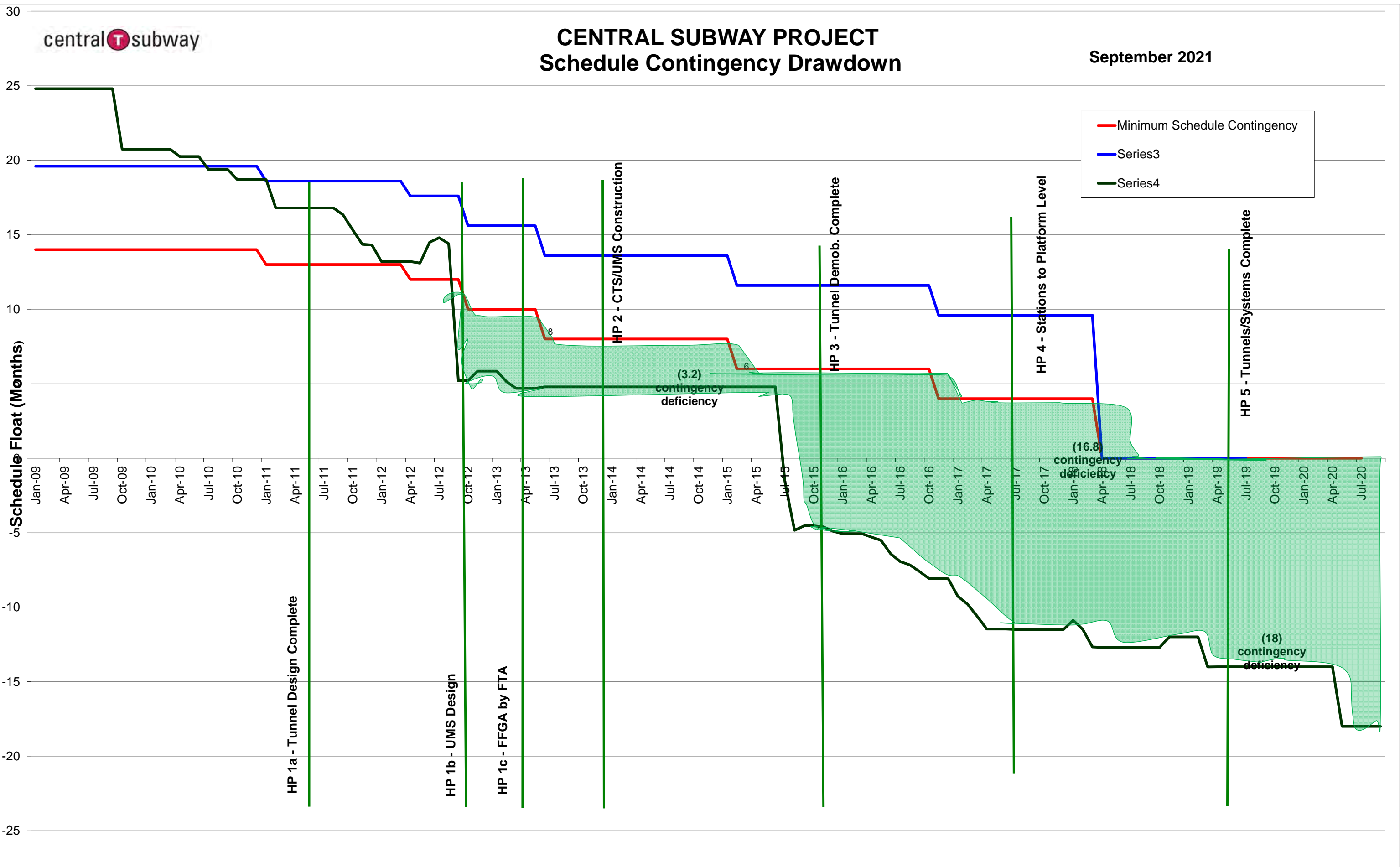
The SFMTA Contract 1300 September 2021 schedule update was added this period to the Central Subway Project Master Schedule.

LIST OF SCHEDULE REPORTS

- 1.1. Schedule Contingency Drawdown
- 1.2. Master Summary Schedule
- 1.3. Program Critical Path Schedule
- 1.4. Construction Contract Summary Schedule
- 1.5. Detail Schedule for Remaining Work

CENTRAL SUBWAY PROJECT Schedule Contingency Drawdown

September 2021



Activity ID	Activity Name	Original Duration	Start	Finish	2021											
					2021				2022				2023			
					Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
CENTRAL SUBWAY PROJECT		5277	03-Jun-03 A	26-Aug-23	CENTRAL SUBWAY P											
Program Level Milestones		5339	03-Jun-03 A	15-Aug-22	Program Level Milestones											
PJD1000	Central Subway Project Start	0	03-Jun-03 A													
MS0004A	Tunnel Excavation Complete - Project Milestone #4A	0		05-Sep-14 A												
MS0019	Baseline Finish Date: 12-26-2018	0		15-Aug-22*	◆ Baseline Finish Date: 12-26-2018											
MS0009	CSP Revenue Service Date	0		15-Aug-22*	◆ CSP Revenue Service Date											
Preliminary Engineering Phase		2661	03-Jun-03 A	07-Jan-10 A												
Final Design		1811	08-Jan-10 A	17-Jun-13 A												
Light Rail Vehicles		3267	15-Apr-13 A	25-Mar-22	Light Rail Vehicles											
Real Estate		3130	01-Aug-08 A	02-Jan-14 A												
Construction Phase		3558	04-Jan-10 A	26-Aug-23	Construction Phase											
Construction Support and Costs		4248	04-Jan-10 A	26-Aug-23	Construction Support											
Construction Utility Contract #1- MOS & Portal CN-1250		505	04-Jan-10 A	23-May-11 A												
Construction Utility Contract #2 - UMS CN-1251		643	12-Jan-11 A	15-Oct-12 A												
Construction Tunnels CN-1252		1518	08-Jun-11 A	27-Sep-21	Construction Tunnels CN-1252											
Construction STS P-1256 ATCS		1825	20-May-14 A	27-Jan-22	Construction STS P-1256 ATCS											
Construction STS P-XXXX Radio		195	27-Aug-19 A	14-Jan-22	Construction STS P-XXXX Radio											
Construction CN-1300		2302	03-Jun-13 A	23-Sep-22	Construction CN-1300											
CN- 1300 Milestone		2302	17-Jun-13 A	14-Apr-22	CN- 1300 Milestone											
Construction UMS Station P-1253		2272	17-Jun-13 A	03-Mar-22	Construction UMS Station P-1253											
Construction CTS Station P-1254R		2238	17-Jun-13 A	15-Jan-22	Construction CTS Station P-1254R											
Construction YBM Station P-1255		2239	10-Jun-13 A	17-Jan-22	Construction YBM Station P-1255											
Construction STS P-1256		2248	03-Jun-13 A	23-Sep-22	Construction STS P-1256											
Project Start Up		212	14-Jan-22	15-Aug-22	Project Start Up											
Unallocated Contingency		225	27-Sep-21	12-Aug-22	Unallocated Contingency											

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2022													
						Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		
Program Level Milestones						◆ Baseline Finish Date: 12-26-2018 ◆ CSP Revenue Service Date													
MS0019	Baseline Finish Date: 12-26-2018	0	22-Jun-22	22-Jun-22	-520														
MS0009	CSP Revenue Service Date	0		22-Jun-22*	-520														
CN- 1300 Milestone						◆ Substantial Completion - 1,700 Calendar Days (SP-4.B) { 10-Feb-18 }													
MS-10	Substantial Completion - 1,700 Calendar Days (SP-4.B) { 10-Feb-18 }	0	14-Jan-22	14-Jan-22	-758														
Construction STS P-1256						STS_Demo: Street Lighting - Demo Street Lighting In 4th St - Bryant to Welsh STS_Install: OCS System - Remove/Install Cross Spans in Brannan STS_Install: OCS System - Remove/Install Cross Spans in Townsend STS_Install: OCS System - Install OCS Trolley Wire In Townsend Street To 5th Street STS_Prep/Submit: Sub-Systems Maintainability Analysis - Surface Signalling Syst STS_Install: OCS System - Install OCS Trolley Wire & Special Work In 4th St/Townsen STS_Install: OCS System - Install OCS Trolley Wire In 5th Street To Brannan STS_Install: OCS System - Install OCS Trolley Wire In Brannan To 4th Street Startup & Testing - Tunnel & ATSC Systems													
STS.26.05.2290	STS_Demo: Street Lighting - Demo Street Lighting In 4th St - Bryant to Welsh	2	12-Feb-18 A	28-Sep-21	-541														
STS.34.23.3700	STS_Install: OCS System - Remove/Install Cross Spans in Brannan	4	30-Dec-19 A	16-Nov-21	-541														
STS.34.23.3710	STS_Install: OCS System - Remove/Install Cross Spans in Townsend	3	30-Dec-19 A	19-Nov-21	-541														
STS.34.23.2630	STS_Install: OCS System - Install OCS Trolley Wire In Townsend Street To 5th Street	11	09-Mar-20 A	08-Nov-21	-541														
STS.20.71.300	STS_Prep/Submit: Sub-Systems Maintainability Analysis - Surface Signalling Syst	20	27-Sep-21	22-Oct-21	-541														
STS.34.23.2620	STS_Install: OCS System - Install OCS Trolley Wire & Special Work In 4th St/Townsen	17	05-Oct-21	27-Oct-21	-541														
STS.34.23.2640	STS_Install: OCS System - Install OCS Trolley Wire In 5th Street To Brannan	6	28-Oct-21	04-Nov-21	-541														
STS.34.23.2650	STS_Install: OCS System - Install OCS Trolley Wire In Brannan To 4th Street	2	09-Nov-21	10-Nov-21	-541														
STS.34.42.425	Startup & Testing - Tunnel & ATSC Systems	40	22-Nov-21	14-Jan-22	-541														
Project Start Up						S&S Certification / Pre-Revenue Activities Muni Float													
STU1010	S&S Certification / Pre-Revenue Activities	111	14-Jan-22	21-Jun-22	-520														
BUF0018	Muni Float	0	22-Jun-22	22-Jun-22	-520														

Activity Name	Original Duration	Start	Finish	2012		2013		2014		2015		2016		2017		2018		2019		2020		2021		2022		2023			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
CENTRAL SUBWAY PROJECT	2830	08-Jun-11 A	23-Sep-22																										
Construction Phase	2830	08-Jun-11 A	23-Sep-22																										
Construction Tunnels CN-1252	1518	08-Jun-11 A	15-May-15 A																										
1252 Tunnel Contract BIH	1518	08-Jun-11 A	15-May-15 A																										
Contract Milestones	1437	08-Jun-11 A	15-May-15 A																										
General Conditions	1480	01-Aug-11 A	15-May-15 A																										
4th & Bryant St TBM Launch Box Construction	686	30-Mar-12 A	02-Jun-14 A																										
Moscone Station Headwalls	430	14-May-12 A	20-Sep-13 A																										
UMS Station Headwalls	425	24-Jul-12 A	22-Nov-13 A																										
UMS - Remove Geary to Ellis OCS	5	24-Jul-12 A	26-Jul-12 A																										
UMS - Setup Traffic Control for Headwall Construction	1	30-Jul-12 A	30-Jul-12 A																										
North Headwall	237	27-Feb-13 A	22-Nov-13 A																										
South Headwall	404	31-Jul-12 A	22-Nov-13 A																										
4th St and Market Compensation Grouting	707	28-Jan-13 A	30-Apr-15 A																										
Southbound Tunneling	451	27-Apr-13 A	13-Oct-14 A																										
Ellis St Compensation Grouting	561	31-Jul-12 A	09-May-14 A																										
Green St Compensation Grouting	320	05-Aug-13 A	30-Jun-14 A																										
Retrieval Shaft	1070	31-Oct-11 A	20-Mar-15 A																										
Cross Passage 1-5	339	22-Mar-14 A	16-Apr-15 A																										
Cross Passage 1	79	14-Jun-14 A	13-Sep-14 A																										
Cross Passage 2	105	10-May-14 A	09-Sep-14 A																										
Cross Passage 3	127	31-Mar-14 A	28-Aug-14 A																										
Cross Passage 4	114	22-Mar-14 A	31-Jul-14 A																										
Cross Passage 5	277	31-May-14 A	16-Apr-15 A																										
Portal Structure	196	02-Sep-14 A	15-Apr-15 A																										
Contract Close Out	307	03-Mar-14 A	15-May-15 A																										
Construction CN-1300	2302	03-Jun-13 A	23-Sep-22																										
CN- 1300 Milestone	2302	17-Jun-13 A	14-Apr-22																										
Construction UMS Station P-1253	2272	17-Jun-13 A	03-Mar-22																										
Construction CTS Station P-1254R	2238	17-Jun-13 A	15-Jan-22																										
Construction YBM Station P-1255	2239	10-Jun-13 A	17-Jan-22																										
Construction STS P-1256	2248	03-Jun-13 A	23-Sep-22																										

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2022					
						Q3	Q4	Q1	Q2	Q3	Q4
CENTRAL SUBWAY PROJECT											
Light Rail Vehicles											
Construction Phase											
Construction Support and Costs											
Construction STS P-1256 ATCS											
Construction CN-1300											
CN- 1300 Milestone											
No 13-Disp											
Construction UMS Station P-1253											
Mechanical											
Electrical											
Concourse Level											
UMS.08.85.0190	UMS_CN_Install Cable Tray For Artwork Power & Control - Sector 4	5	07-May-18 A	01-Oct-21	-520						
UMS.08.85.0260	UMS_CN_Install Cable Tray For Artwork Power & Control - Sector 6	5	21-May-18 A	01-Oct-21	-510						
UMS.08.85.0140	UMS_CN_Pull Wire From Enclosure Box to Artwork Fixture - Sector 3	2	27-Sep-21	28-Sep-21	-520						
UMS.09.53.0460	UMS_CN - Concourse: Install Artwork Power & Control Enclosures Sector 3	3	27-Sep-21	29-Sep-21	-538						
UMS.09.53.0470	UMS_CN - Concourse: Install Artwork Power & Control Enclosures Sector 4	3	27-Sep-21	29-Sep-21	-533						
UMS.09.53.0490	UMS_CN - Concourse: Pull Wire - Artwork Power & Control Enclosures to Fixtures Sector 3	5	30-Sep-21	06-Oct-21	-538						
UMS.09.53.0500	UMS_CN - Concourse: Pull Wire - Artwork Power & Control Enclosures To Fixtures Sector 4	5	30-Sep-21	06-Oct-21	-533						
UMS.08.85.0280	UMS_CN_Pull Wire From Enclosure Box to Artwork Fixture - Sector 6	2	04-Oct-21	05-Oct-21	-510						
UMS.08.85.0210	UMS_CN_Pull Wire From Enclosure Box to Artwork Fixture - Sector 4	2	04-Oct-21	05-Oct-21	-520						
UMS.09.53.0480	UMS_CN - Concourse: Install Artwork Power & Control Enclosures Sector 5	3	07-Oct-21	11-Oct-21	-538						
UMS.09.53.0510	UMS_CN - Concourse: Pull Wire - Artwork Power & Control Enclosures To Fixtures Sector 5	5	07-Oct-21	13-Oct-21	-538						
Mezzanine Level											
UMS.26.24.4550	UMS_MZ_11 - Aux Elect Rm: Pull Feeder Cable - Elect Panel 3DHP4 To Esc 4-6	3	01-Oct-21	05-Oct-21	-532						
Electrical - Transportation											
Conveyances											
Platform Level											
UMS.14.21.0180	Test & Inspect - Platform Level Elevator 3	5	07-Dec-20 A	12-Nov-21	-548						
Startup & Testing											
Platform Level											
UMS.01.80.9900	UMS- Building Systems Start-up & Testing	40	07-Jun-21 A	14-Dec-21	-555						
No 13-Disp											
Construction CTS Station P-1254R											
Site Work / Utility Relocation											
Mechanical											
Lower Mezz Level											
CTS.26.05.565	CTS_LM 13 - Elevator Closet: Install - Elevator Controller	5	27-Sep-21	01-Oct-21	-533						
Electrical											
Lower Mezz Level											
CTS.28.31.412	CTS_LM 03 - Storage Rm: Set & Hook up - Fire Alarm Preaction Cabinet	9	27-Feb-20 A	07-Oct-21	-522						
CTS.28.31.413	CTS_LM 09 - Corridor - Set & Hook up - Fire Alarm Clean Agent Control Panel	9	27-Feb-20 A	07-Oct-21	-522						
Platform Level											
CTS.28.31.132	CTS_PL 17 - Corridor - Install - Fire Alarm Clean Agent Control Panel	5	28-Feb-20 A	01-Oct-21	-553						
CTS.28.31.133	CTS_PL 17 - Corridor - Install - Fire Alarm Preaction Cabinet	5	06-Mar-20 A	08-Oct-21	-553						
Architectual Finishes											
Conveyances											
Concourse Level											
CTS.14.21.385	CTS_CN 03 Install Traction Elevator #4 (Concourse Level to Surface)	40	20-Apr-20 A	19-Nov-21	-568						
CTS.14.31.505	Startup & Inspect Escalators 3&4 (Concourse to Upper Mezz)	5	19-Jul-21 A	22-Oct-21	-543						

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2021						2022			
						Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Platform Level															
CTS.14.21.245	Install Traction Elevator #3 (Platform Level to Surface)	40	20-Apr-20 A	19-Nov-21	-568	Install Traction Elevator #3 (Platform Level to Surface)									
CTS.14.24.285	CTS-PL 05: Startup & Test Elevators 1&2	4	13-Sep-21 A	19-Nov-21	-564	CTS-PL 05: Startup & Test Elevators 1&2									
CTS.14.24.295	CTS-PL 05:Inspections - Elevators 1&2	1	20-Sep-21 A	16-Nov-21	-564	CTS-PL 05:Inspections - Elevators 1&2									
No 13-Disp															
Construction YBM Station P-1255															
Conveyances															
All Levels															
YBM.14.21.125	Startup & Test Elevators #1, 2	5	13-Apr-20 A	28-Oct-21	-552	Startup & Test Elevators #1, 2									
YBM.14.31.197	Startup & Test Escalator #1,2 from Platform to Concourse Level	10	01-Oct-20 A	04-Nov-21	-557	Startup & Test Escalator #1,2 from Platform to Concourse Level									
YBM.14.31.207	Startup & Test Escalator #3,4 from Concourse to Surface Level	5	05-Oct-20 A	28-Oct-21	-552	Startup & Test Escalator #3,4 from Concourse to Surface Level									
YBM.14.21.155	Startup & Test Elevators #3, 4	5	26-Nov-20 A	28-Oct-21	-552	Startup & Test Elevators #3, 4									
Startup & Testing															
Platform Level															
Y.4.545	YBM- Building Systems Start-up & Testing	40	21-Dec-20 A	23-Dec-21	-562	YBM- Building Systems Start-up & Testing									
No 13-Disp															
All Levels															
Concourse Level															
YBM.08.80.110	Glazing/ Glass Door, Station Agent Booth, Concourse Level (08 80 00)	5	27-Apr-20 A	01-Oct-21	-538	Glazing/ Glass Door, Station Agent Booth, Concourse Level (08 80 00)									
YBM.26.24.147	YBM_CN - Install Sewage Ejection Pump Control Panel Headhouse Concourse	5	27-Sep-21	01-Oct-21	-543	YBM_CN - Install Sewage Ejection Pump Control Panel Headhouse Concourse									
Platform Level															
YBM 28.13.100	YBM_Install: Security: Security System (Traction Power) (28 13 10)	15	18-Oct-21	05-Nov-21	-558	YBM_Install: Security: Security System (Traction Power) (28 13 10)									
No 13-Level															
Construction STS P-1256															
Tunnel Concrete															
Electrical															
No 13-Level															
\	CTS_Fab\Deliver: Transportation: Traction Power SCADA System (34 23 10)	180	14-May-14 A	04-Nov-21	-785	CTS_Fab\Deliver: Transportation: Traction Power SCADA System (34 23 10)									
STS 34 42 37 c	STS_Fab\Deliver: Transportation: ATCS Wayside Equipment (34 42 37)	180	14-Apr-16 A	30-Sep-21	-800	STS_Fab\Deliver: Transportation: ATCS Wayside Equipment (34 42 37)									
STS.34.42.2280	STS_Install: Train Control - Train Control Conduit - & JB's NB Union Square to Chinatown	14	20-Apr-16 A	13-Oct-21	-567	STS_Install: Train Control - Train Control Conduit - & JB's NB Union Square to Chinatown									
STS.34.42.2320	STS_Install: Train Control - Train Control Conduit - & JB's SB Union Square to Chinatown	14	21-Apr-16 A	20-Oct-21	-566	STS_Install: Train Control - Train Control Conduit - & JB's SB Union Square to Chinatown									
STS.34.42.2310	STS_Install: Train Control - Train Control Conduit - & JB's SB Portal To Moscone	4	20-Mar-17 A	27-Sep-21	-558	STS_Install: Train Control - Train Control Conduit - & JB's SB Portal To Moscone									
STS.34.42.2270	STS_Install: Train Control - Train Control Conduit - & JB's NB Portal To Moscone	4	20-Mar-17 A	29-Sep-21	-575	STS_Install: Train Control - Train Control Conduit - & JB's NB Portal To Moscone									
STS.34.41.1990	STS_Demo/Salvage; Traffic Signals 4th St	15	17-Apr-17 A	25-Oct-21	-537	STS_Demo/Salvage; Traffic Signals 4th St									
STS.34.41.2000	STS_Install; Traffic Signals 4th St	15	24-Apr-17 A	01-Nov-21	-537	STS_Install; Traffic Signals 4th St									
STS.34.41.2030	STS_Pull & Terminate Traffic Signal Wiring 4th St	16	24-Apr-17 A	18-Nov-21	-537	STS_Pull & Terminate Traffic Signal Wiring 4th St									
STS.34.41.2110	STS_Install; Traffic Signal Displays 4th St/Brannan	5	19-Jun-17 A	08-Nov-21	-537	STS_Install; Traffic Signal Displays 4th St/Brannan									
STS.34.41.2040	STS_Install; Traffic Signal Controllers 4th St	11	09-Oct-17 A	20-Oct-21	-537	STS_Install; Traffic Signal Controllers 4th St									
STS.26.05.3510	STS_Install: Lighting - 4th/Brannan Station	10	19-Feb-18 A	29-Oct-21	-563	STS_Install: Lighting - 4th/Brannan Station									
STS.34.42.2300	STS_Install: Train Control - Train Control Conduit - & JB's SB Moscone to Union Square	13	12-Mar-18 A	28-Sep-21	-555	STS_Install: Train Control - Train Control Conduit - & JB's SB Moscone to Union Square									
STS.34.42.2260	STS_Install: Train Control - Train Control Conduit - & JB's NB Moscone to Union Square	13	12-Mar-18 A	06-Oct-21	-575	STS_Install: Train Control - Train Control Conduit - & JB's NB Moscone to Union Square									
STS.34.41.2010	STS_Install; Traffic Signal Displays 4th S/Bryant	6	07-Jan-19 A	11-Nov-21	-537	STS_Install; Traffic Signal Displays 4th S/Bryant									
STS.34.42.0580	STS_Install: Train Control - Train Control Cable Loop System SB Portal To Moscone	4	13-May-19 A	07-Oct-21	-563	STS_Install: Train Control - Train Control Cable Loop System SB Portal To Moscone									
STS.34.42.0390	STS_Install: Train Control - Train Control Cable Loop System NB Portal To Moscone	4	13-May-19 A	07-Oct-21	-575	STS_Install: Train Control - Train Control Cable Loop System NB Portal To Moscone									
STS.34.42.0520	STS_Install: Train Control - NB Switch Machines @ Chinatown Crossover	2	19-Aug-19 A	04-Oct-21	-544	STS_Install: Train Control - NB Switch Machines @ Chinatown Crossover									
STS.34.23.3700	STS_Install: OCS System - Remove/Install Cross Spans in Brannan	4	30-Dec-19 A	16-Nov-21	-578	STS_Install: OCS System - Remove/Install Cross Spans in Brannan									
STS.34.23.3710	STS_Install: OCS System - Remove/Install Cross Spans in Townsend	3	30-Dec-19 A	19-Nov-21	-578	STS_Install: OCS System - Remove/Install Cross Spans in Townsend									
STS.20.71.550	STS_Manufacture - PCC SCADA Equipment	20	17-Jan-20 A	08-Oct-21	-558	STS_Manufacture - PCC SCADA Equipment									
STS.34.42.1940	STS_Install: Surface Signaling - TS Case No.1 - 4th/King	5	26-Feb-20 A	01-Oct-21	-543	STS_Install: Surface Signaling - TS Case No.1 - 4th/King									
STS.34.23.2630	STS_Install: OCS System - Install OCS Trolley Wire In Townsend Street To 5th Street	11	09-Mar-20 A	08-Nov-21	-578	STS_Install: OCS System - Install OCS Trolley Wire In Townsend Street To 5th Street									
STS.34.42.1880	STS_Install: Surface Signaling - Interlocking Signals & Poles 21/23 - 4th/King	8	06-Jul-20 A	06-Oct-21	-546	STS_Install: Surface Signaling - Interlocking Signals & Poles 21/23 - 4th/King									

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2022					
						Q3	Q4	Q1	Q2	Q3	Q4
STS.26.05.3890	STS_Install: Tunnel Electrical - Pull/Terminate Power & Lighting - SB Chinatown to North Limits	3	30-Sep-20 A	22-Oct-21	124						
STS.34.42.0690	STS_Install: Train Control - Remote Feed Boxes- SB Portal to Moscone	1	27-Sep-21	27-Sep-21	-544						
STS.34.42.0490	STS_Install: Train Control - Remote Feed Boxes- NB Portal to Moscone	1	27-Sep-21	27-Sep-21	-542						
STS.34.42.0510	STS_Install: Train Control - ATSC Entry Point Signage - Portal	1	27-Sep-21	27-Sep-21	-542						
STS.34.23.2600	STS_Install: OCS System - Install OCS Trolley Wire In 4th St - Townsend To King Street	2	27-Sep-21	28-Sep-21	-574						
STS.34.23.100	STS_Install: Utilities: Install Fiber Optic Ductbank From (E) Pullbox to (E) MH 1879 - King St/4th Street	5	27-Sep-21	01-Oct-21	-546						
STS.34.42.1060	STS_Install: Train Control - Axle Counter Electronics Boxes/Track Heads SB Moscone to Union Square	6	27-Sep-21	04-Oct-21	-553						
STS.34.42.0480	STS_Install: Train Control - Axle Counter Electronics Boxes/Track Heads NB Portal to Moscone	6	27-Sep-21	04-Oct-21	-557						
STS.34.42.390	STS_Install: Transportation: ATCS Central Equipment - Lennox OCC	15	27-Sep-21	15-Oct-21	-553						
STS.34.42.1070	STS_Install: Train Control - Remote Feed Boxes/Track Heads SB Moscone to Union Square	1	28-Sep-21	28-Sep-21	-544						
STS.34.42.0880	STS_Install: Train Control - Remote Feed Boxes- NB Moscone to Union Square	1	28-Sep-21	28-Sep-21	-542						
STS.34.42.0900	STS_Install: Train Control - ATSC Entry Point Signage - Moscone Station	1	28-Sep-21	28-Sep-21	-542						
STS.34.42.2160	STS_Install: Train Control - ATSC 5KVA UPS Battery Cabinet - Union Square Station Control Room	2	28-Sep-21	29-Sep-21	-560						
STS.28.20.2020	STS_Install: - SCADA System Terminations - UMS Communications Rm	10	28-Sep-21	11-Oct-21	-549						
STS.34.42.1440	STS_Install: Train Control - Remote Feed Boxes- SB Union Square to Chinatown	1	28-Sep-21	29-Sep-21	-544						
STS.34.42.1260	STS_Install: Train Control - Remote Feed Boxes- NB Union Square to Chinatown	1	29-Sep-21	29-Sep-21	-542						
STS.34.42.1270	STS_Install: Train Control - ATSC Entry Point Signage - Union Square Station	1	29-Sep-21	29-Sep-21	-542						
STS.34.42.0600	STS_Install: Train Control - Train Control Signals - SB Portal to Moscone	6	29-Sep-21	06-Oct-21	-573						
STS.34.42.100	STS_Transportation: Surface Signaling System - Testing & Startup	30	29-Sep-21	28-Oct-21	-793						
STS.34.42.1810	STS_Install: Train Control - Remote Feed Boxes- SB Chinatown to North Limits	1	29-Sep-21	30-Sep-21	-544						
STS.34.42.1630	STS_Install: Train Control - Remote Feed Boxes- NB Chinatown to North Limits	1	30-Sep-21	30-Sep-21	-542						
STS.34.42.1640	STS_Install: Train Control - ATSC Entry Point Signage - Chinatown	1	30-Sep-21	30-Sep-21	-542						
STS.34.42.2170	STS_Install: Train Control - ATSC Communication Cable Termination Frame - Union Square Station Control Room	4	30-Sep-21	05-Oct-21	-560						
STS.34.42.2370	STS_Install: Train Control - Train Control Pull ATSC Wire & Cable NB Portal To Moscone	4	30-Sep-21	05-Oct-21	-574						
STS.34.42.0500	STS_Install: Security - NB Portal Intrusion Devices	2	01-Oct-21	04-Oct-21	-567						
STS.34.42.1800	STS_Install: Train Control - Axle Counter Electronics Boxes/Track Heads SB Union Square to Chinatown	6	04-Oct-21	12-Oct-21	-553						
STS.34.42.0.870	STS_Install: Train Control - Axle Counter Electronics Boxes/Track Heads- NB Moscone to Union Square	6	05-Oct-21	12-Oct-21	-557						
STS.34.42.0410	STS_Install: Train Control - Train Control Signals - NB Portal to Moscone	6	05-Oct-21	12-Oct-21	-567						
STS.34.23.2620	STS_Install: OCS System - Install OCS Trolley Wire & Special Work In 4th St/Townsend Street - Intersection	17	05-Oct-21	27-Oct-21	-578						
STS.34.42.0710	STS_Install: Train Control - SB ATSC Entry Point Signage - Portal	1	06-Oct-21	06-Oct-21	-549						
STS.26.05.2210	STS_Install: Traction Power -Terminate FODP Panel @ Moscone Folsom SubStation	3	06-Oct-21	08-Oct-21	-548						
STS.34.42.2330	STS_Install: Train Control - Train Control Pull ATSC Wire & Cable SB Portal To Moscone	4	06-Oct-21	11-Oct-21	-564						
STS.34.42.1090	STS_Install: Train Control - SB ATSC Entry Point Signage - Moscone	1	07-Oct-21	07-Oct-21	-549						
STS.34.42.0980	STS_Install: Train Control - Train Control Signals - SB Moscone to Union Square	6	07-Oct-21	14-Oct-21	-573						
STS.34.42.0770	STS_Install: Train Control - Train Control Cable Loop System NB Moscone to Union Square	13	07-Oct-21	25-Oct-21	-575						
STS.34.42.1460	STS_Install: Train Control - SB ATSC Entry Point Signage - Union Square	1	08-Oct-21	08-Oct-21	-549						
STS.34.42.0960	STS_Install: Train Control - Train Control Cable Loop System SB Moscone to Union Square	12	08-Oct-21	25-Oct-21	-563						
STS.34.42.1700	STS_Install: Train Control - Train Control Cable Loop System SB Union Square to Chinatown	14	08-Oct-21	27-Oct-21	-563						
STS.34.42.1820	STS_Install: Train Control - SB ATSC Entry Point Signage - Chinatown	1	11-Oct-21	11-Oct-21	-549						
STS.34.41.2120	STS_Install; Traffic Signal Displays 4th St/King	3	11-Oct-21	13-Oct-21	-537						
STS.26.05.2160	STS_Install: Traction Power - Install Conduit/TP SCADA Cable to Existing FODP Panel @ King SubStation	10	11-Oct-21	22-Oct-21	-568						
STS.34.42.2340	STS_Install: Train Control - Train Control Pull ATSC Wire & Cable SB Moscone to Union Square	13	12-Oct-21	28-Oct-21	-564						
STS.34.42.1430	STS_Install: Train Control - Axle Counter Electronics Boxes/Track Heads SB Chinatown to North Limits	1	12-Oct-21	13-Oct-21	-553						
STS.34.42.1250	STS_Install: Train Control - Axle Counter Electronics Boxes/Track Heads NB Union Square to Chinatown	6	12-Oct-21	20-Oct-21	-557						
STS.34.42.0790	STS_Install: Train Control - Train Control Signals - NB Moscone to Union Square	6	13-Oct-21	20-Oct-21	-567						
STS.34.41.2100	STS_Install; Traffic Signal Displays 4th St/Harrison	3	14-Oct-21	18-Oct-21	-537						
STS.34.42.2250	STS_Install: Train Control - Train Control Conduit - & JB's NB Chinatown to North Limits	5	14-Oct-21	20-Oct-21	-558						
STS.34.42.1720	STS_Install: Train Control - Train Control Signals - SB Union Square to Chinatown	6	15-Oct-21	22-Oct-21	-573						
STS.10.41.100	STS_Install: Display Cases Between Windscreens	5	18-Oct-21	22-Oct-21	-533						
STS.34.42.2200	STS_Install: Train Control - ATSC Transformer - Union Square Station Control Room	2	19-Oct-21	20-Oct-21	-571						

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2022					
						Q3	Q4	Q1	Q2	Q3	Q4
STS.34.42.1620	STS_Install: Train Control - Axle Counter Electronics Boxes/Track Heads NB Chinatown to North Limi	1	20-Oct-21	21-Oct-21	-557						
STS.34.42.2290	STS_Install: Train Control - Train Control Conduit - & JB's SB Chinatown to North Limits	5	21-Oct-21	27-Oct-21	-563						
STS.34.42.1170	STS_Install: Train Control - Train Control Signals - NB Union Square to Chinatown	6	21-Oct-21	28-Oct-21	-567						
STS.34.42.2530	STS_Install: Train Control - ATSC Wire Pulls & Terminations - Union Square Station Control Room	15	21-Oct-21	10-Nov-21	-571						
STS.01.64.100	STS_Install:Owner Next Bus Signs @ 4th/Brannon Station	5	22-Oct-21	28-Oct-21	-537						
STS 34 42 39 c	STS_Fab\Deliver: Transportation: ATCS Central Equipment (34 42 39)	10	22-Oct-21	31-Oct-21	-760						
STS.34.42.1350	STS_Install: Train Control - Train Control Signals - SB Chinatown to North Limits	3	25-Oct-21	27-Oct-21	-563						
STS.34.42.2120	STS_Install: Train Control - ATSC Power Panels - Chinatown Station Control Room	4	25-Oct-21	28-Oct-21	-539						
STS.26.05.2070	STS_Install: Traction Power - Remove Existing Mimic Panel Equipment @ PCC	5	25-Oct-21	29-Oct-21	-568						
STS.26.05.2080	STS_Install: Traction Power - New Equipment Display Rack @ PCC	5	25-Oct-21	29-Oct-21	-568						
STS.26.05.2090	STS_Install: Traction Power - Video Displays & Cabling @ PCC	10	25-Oct-21	05-Nov-21	-568						
STS.26.05.2100	STS_Install: Traction Power - PCI & TP SCADA Servers @ PCC	10	25-Oct-21	05-Nov-21	-568						
STS.34.42.2020	STS_Install: Train Control - ATSC Emergency Feed In Device - Moscone Station Control Room	3	26-Oct-21	28-Oct-21	-542						
STS.34.42.1150	STS_Install: Train Control - Train Control Cable Loop System NB Union Square to Chinatown	14	26-Oct-21	12-Nov-21	-575						
STS.34.42.2390	STS_Install: Train Control - Train Control Pull ATSC Wire & Cable NB Union Square to Chinatown	14	26-Oct-21	12-Nov-21	-575						
STS.34.42.2360	STS_Install: Train Control - Train Control Pull ATSC Wire & Cable SB Union Square to Chinatown	13	27-Oct-21	12-Nov-21	-575						
STS.34.42.1330	STS_Install: Train Control - Train Control Cable Loop System SB Chinatown to North Limits	2	28-Oct-21	29-Oct-21	-563						
STS.34.23.2590	STS_Install: OCS System - Install OCS Trolley Wire In 4th St - Bluxome To Townsend	2	28-Oct-21	29-Oct-21	-570						
STS.34.23.2640	STS_Install: OCS System - Install OCS Trolley Wire In 5th Street To Brannan	6	28-Oct-21	04-Nov-21	-578						
STS.34.42.2110	STS_Install: Train Control - ATSC Transformer - Chinatown Station Control Room	2	29-Oct-21	01-Nov-21	-539						
STS.34.42.2010	STS_Install: Train Control - ATSC Feed In Device - Moscone Station Control Room	3	29-Oct-21	02-Nov-21	-542						
STS.34.42.2040	STS_Install: Train Control - ATSC Power Panels - Moscone Station Control Room	3	29-Oct-21	02-Nov-21	-542						
STS.34.42.1540	STS_Install: Train Control - Train Control Signals - NB Chinatown to North Limits	3	29-Oct-21	02-Nov-21	-567						
STS.26.05.2140	STS_Install: Traction Power - Make Fiber Node Connections From King SubStation @PCC (Fiber by	5	01-Nov-21	05-Nov-21	-568						
STS.26.05.2110	STS_Install: Traction Power - Make Fiber Node Connections From CTS Washington Substation @ P	5	01-Nov-21	05-Nov-21	-568						
STS.26.05.2120	STS_Install: Traction Power - Make Fiber Node Connections From UMS Gap Breaker Station @PCC	5	01-Nov-21	05-Nov-21	-568						
STS.26.05.2130	STS_Install: Traction Power - Make Fiber Node Connections From YBM Folsom SubStation @PCC	5	01-Nov-21	05-Nov-21	-568						
STS.34.23.2580	STS_Install: OCS System - Install OCS Trolley Wire In 4th St - Brannan To Bluxome	9	01-Nov-21	11-Nov-21	-540						
STS 34.42.400	STS_Install: Transportation: ATCS Central Equipment - Transportation Mgmt Center (TMC)	15	01-Nov-21	19-Nov-21	-538						
STS.34.41.2130	STS_Install; Traffic Signal Displays 5th St/Brannan	3	02-Nov-21	04-Nov-21	-537						
STS.34.42.2520	STS_Install: Train Control - ATSC Wire Pulls & Terminations - Chinatown Station Control Room	15	02-Nov-21	22-Nov-21	-539						
STS.34.42.2030	STS_Install: Train Control - ATSC Transformer - Moscone Station Control Room	2	03-Nov-21	04-Nov-21	-542						
STS.34.42.2540	STS_Install: Train Control - ATSC Wire Pulls & Terminations - Moscone Station Control Room	15	05-Nov-21	25-Nov-21	-542						
STS.34.23.2650	STS_Install: OCS System - Install OCS Trolley Wire In Brannan To 4th Street	2	09-Nov-21	10-Nov-21	-578						
STS.34.23.2570	STS_Install: OCS System - Install OCS Trolley Wire In 4th St - Freelon To Brannan	2	12-Nov-21	15-Nov-21	-540						
STS.34.42.2400	STS_Install: Train Control - Train Control Pull ATSC Wire & Cable NB Chinatown to North Limits	2	15-Nov-21	16-Nov-21	-575						
STS.34.42.1520	STS_Install: Train Control - Train Control Cable Loop System NB Chinatown to North Limits	2	15-Nov-21	16-Nov-21	-575						
STS.34.42.2350	STS_Install: Train Control - Train Control Pull ATSC Wire & Cable SB Chinatown to North Limits	2	15-Nov-21	16-Nov-21	-575						
STS.34.23.2560	STS_Install: OCS System - Install OCS Trolley Wire In 4th St - Welsh To Freelon	2	16-Nov-21	17-Nov-21	-540						
STS.34.23.2550	STS_Install: OCS System - Install OCS Trolley Wire In 4th St - Bryant to Welsh	4	18-Nov-21	23-Nov-21	-540						
STS.20.71.525	STS_Prep\Submit: Sub-Systems Maintainability Demonstration - Surface Signalling Systems	20	20-Nov-21	09-Dec-21	76						
STS.20.71.535	STS_Prep\Submit: Sub-Systems Maintainability Demonstration -Facility SCADA Systems (FSS)	20	20-Nov-21	09-Dec-21	126						
STS.20.71.515	STS_Prep\Submit: Sub-Systems Maintainability Demonstration - PCC SCADA Equipment	40	20-Nov-21	29-Dec-21	106						
Electrical - Transportation		10	27-Sep-21	08-Oct-21	-568						
Platform Level		10	27-Sep-21	08-Oct-21	-568						
CTS.34.42.155	Install Train Control Equipment - TCS/TCU Room	10	27-Sep-21	08-Oct-21	-568						
Startup & Testing		40	22-Nov-21	14-Jan-22	-578						
No 13-Disp		1972	13-Jan-14 A	28-Jan-22	54						
Unallocated Contingency		225	27-Sep-21	12-Aug-22	-558						

Appendix C

PROJECT SCOPE AND FUNDING OVERVIEW

Project Overview

The Central Subway Project will construct a modern, efficient light-rail line that will improve public transit in San Francisco. This new 1.7-mile extension of Muni's T Third Line will provide direct connections to major retail, sporting and cultural venues while efficiently transporting people to jobs, educational opportunities and other amenities throughout the city.

The Central Subway Project is Phase 2 of the San Francisco Municipal Transportation Agency's (SFMTA) Third Street Light Rail Transit Project. Phase 1 of the project constructed a 5.1-mile light-rail line along the densely populated 3rd Street corridor. It began revenue service in April 2007, restoring light-rail service to a high transit-ridership area of San Francisco for the first time in 50 years.

The Central Subway Project will extend the T Third Line from the 4th Street Caltrain Station to Chinatown, providing a direct, rapid transit link from the Bayshore and Mission Bay areas to SoMa, Union Square and downtown.

Four new stations will be built along the 1.7-mile project alignment—an above-ground station at 4th and Brannan streets and three underground stations at Moscone Center, Union Square and Chinatown.

The Central Subway will run through the burgeoning technology and digital-media hub in SoMa, where dozens of companies have taken up residence along the 4th Street corridor. Increased



Project Overview - continued

transit options will attract new employers – the Central Subway makes travel more convenient throughout the corridor and improves connections to downtown, local and regional rail and the Muni bus system.

The Central Subway Project will contribute to San Francisco’s economic competitiveness and help secure the city’s status of a regional, national and global hub. It will provide a pollution-free transit option that will reduce the environmental impact of transportation in the city, save natural resources, reduce traffic congestion and improve public transit for thousands of San Franciscans.

Funding Overview

The Central Subway Project is funded by the federal government, the State of California, the Metropolitan Transportation Commission, the San Francisco County Transportation Authority (SFCTA) and the City and County of San Francisco.

The majority of funding for the Central Subway Project is expected to be provided by the Federal Transit Administration’s (FTA) New Starts program, with a total commitment over the life of the project of \$942.2 million. To date, \$41 million in Department of Transportation Congestion Mitigation and Air Quality Improvement Program funds have been committed and expended.

With the addition in the December 2013 MPR of work to relocate the retrieval site for two tunnel boring machines (TBMs), the SFMTA’s baseline budget for the Central Subway Project is \$1.588 billion. In total, about half of the Third Street Light Rail Transit Project’s funding is from federal sources, with the remaining half from state and local sources. This is in line with the expectations of the FTA for New Starts-financed programs.

The table below summarizes the local, state and federal fund sources for both phases of the T Third Line including with the addition of the retrieval shaft to the Phase 2 totals.

	T Third (Phase 1)	Central Subway (Phase 2 + Retrieval Shaft Relocation)	Total (Phase 1 + Phase 2 + Retrieval Shaft Relocation)	Percentage of Total
Federal	\$123.380	\$983.225	\$1,106.605	49.5%
State	\$160.700	\$471.100	\$631.800	28.2%
Local	\$364.380	\$133.675	\$498.055	22.3%
Total	\$648.460	\$1,588.000	\$2,236.460	100.0%

All amounts in millions of dollars

The six charts that follow summarize use of fund sources by phase and with the addition of the retrieval shaft relocation additional budget and funding:

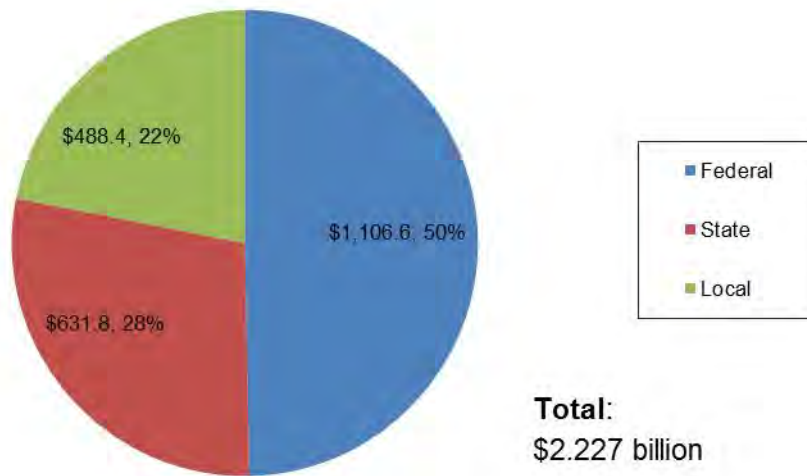
- Phase 1 + Phase 2 of the T Third Line federal, state and local funding percentages previous to the addition of the retrieval shaft relocation budget and funding in December 2013.

Funding Overview - continued

- Phase 2 Central Subway Project only total funding source percentages previous to the addition of the retrieval shaft relocation budget and funding.
- Phase 2 Central Subway Project only detail of the six State and Local funding sources previous to the addition of the retrieval shaft relocation.
- The next three charts that follow are the above three data sets above with the retrieval shaft relocation budget and funding added to the overall presentation.

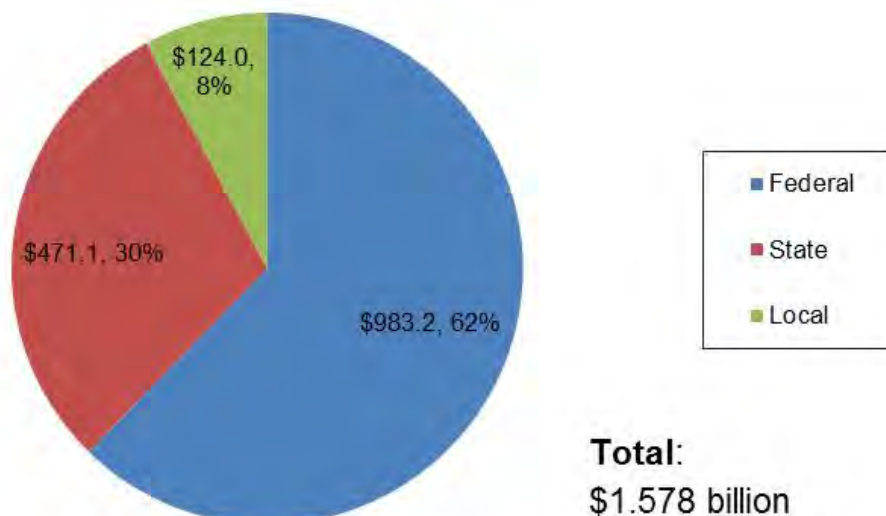
Third Street Light Rail Transit Project Funding

Phase 1 + Phase 2
(\$ in millions)



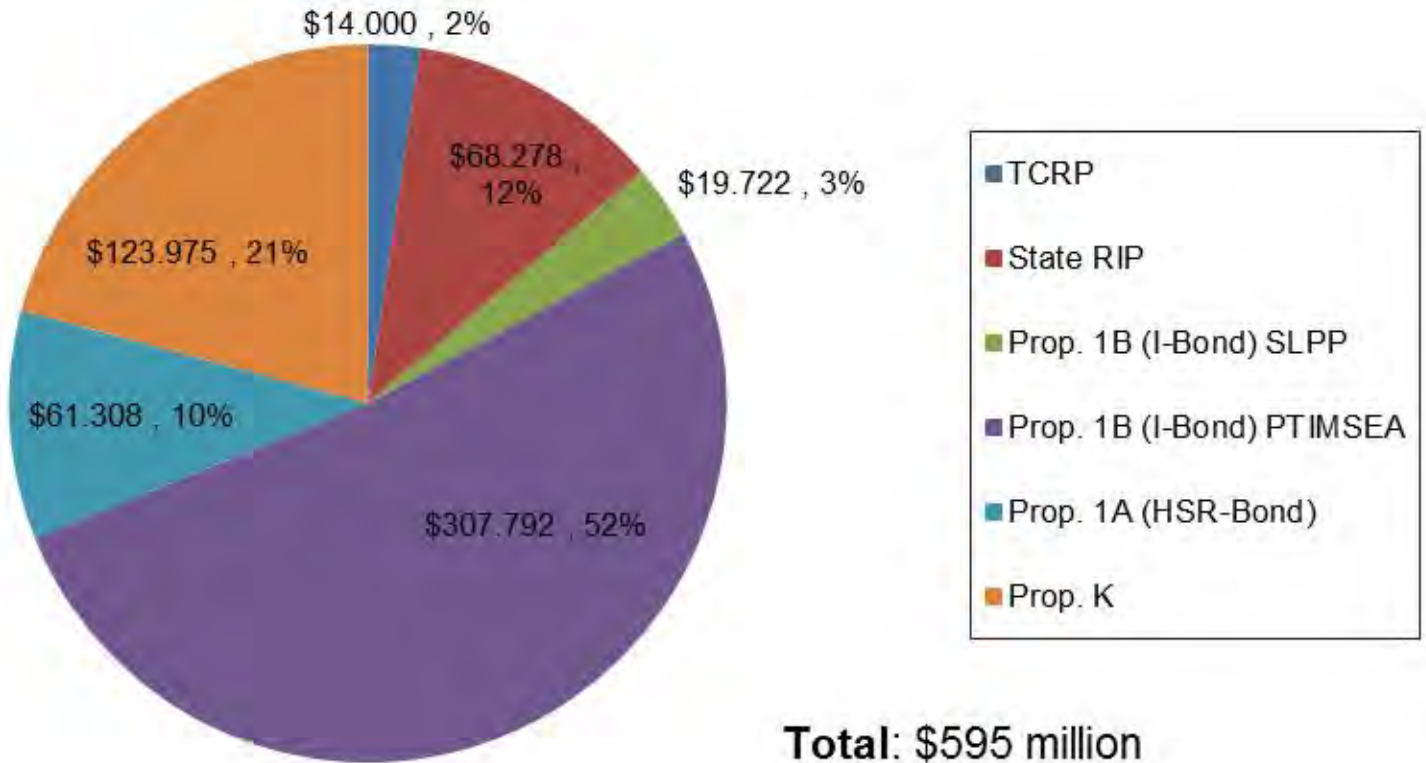
Central Subway Project Funding

Phase 2
(\$ in millions)



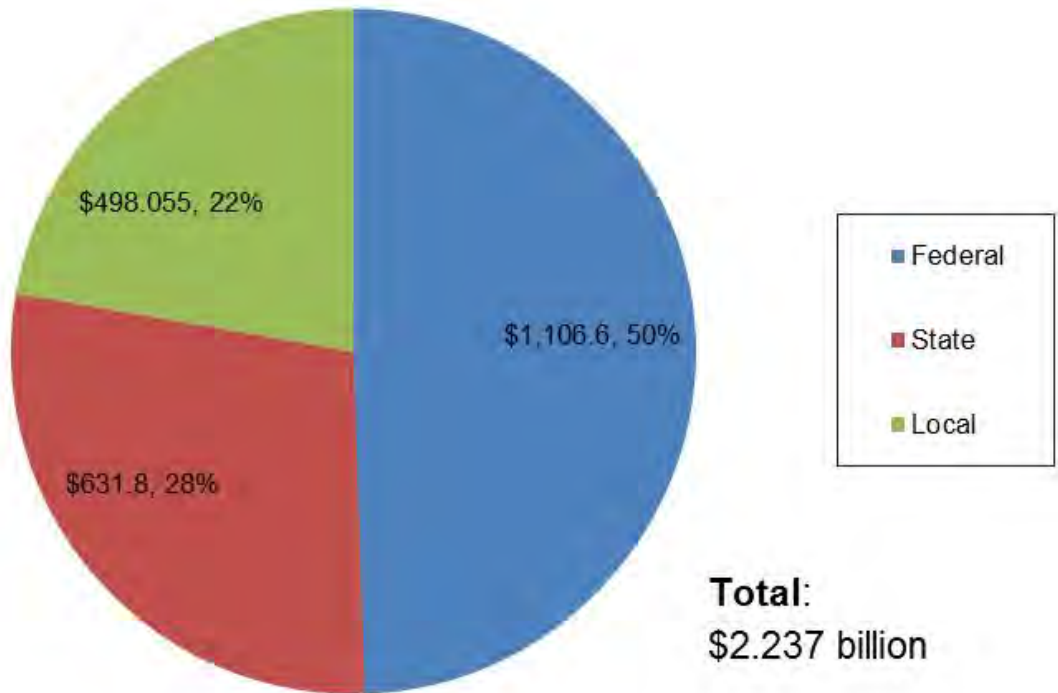
State and Local Funding

Phase 2
(\$ in millions)



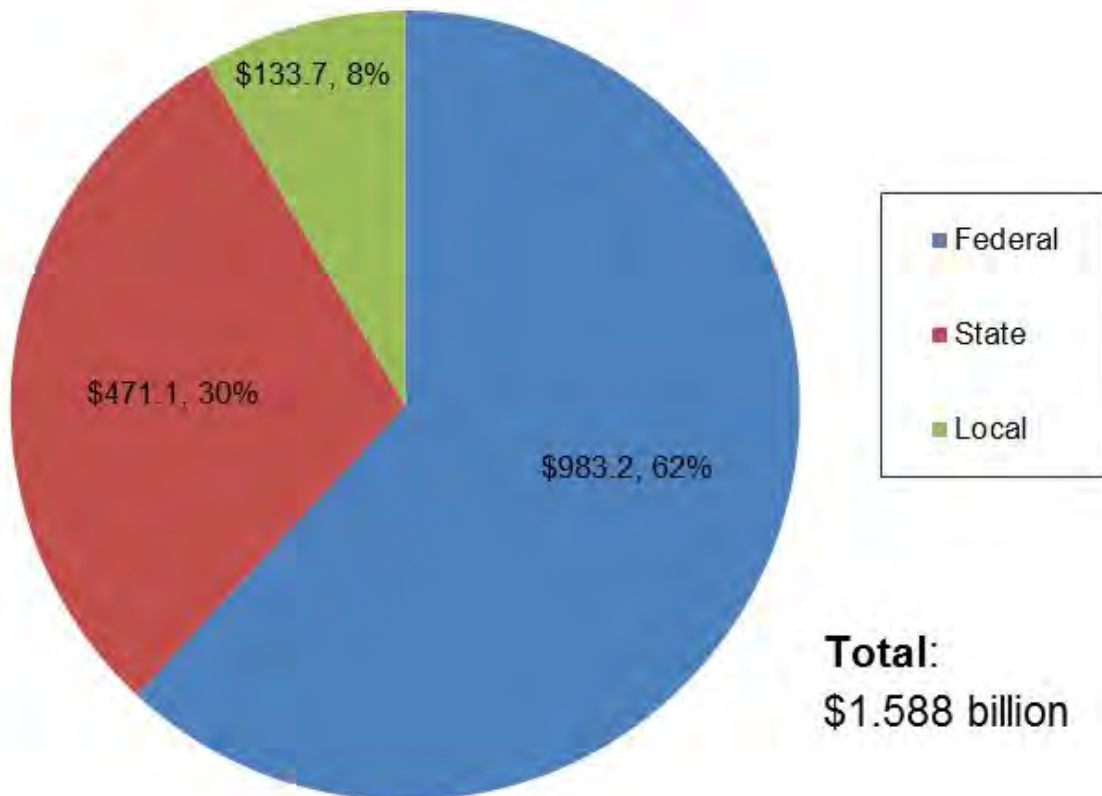
Third Street Light Rail Transit Project Funding

Phase 1 + Phase 2 + Retrieval Shaft Relocation
(\$ in millions)

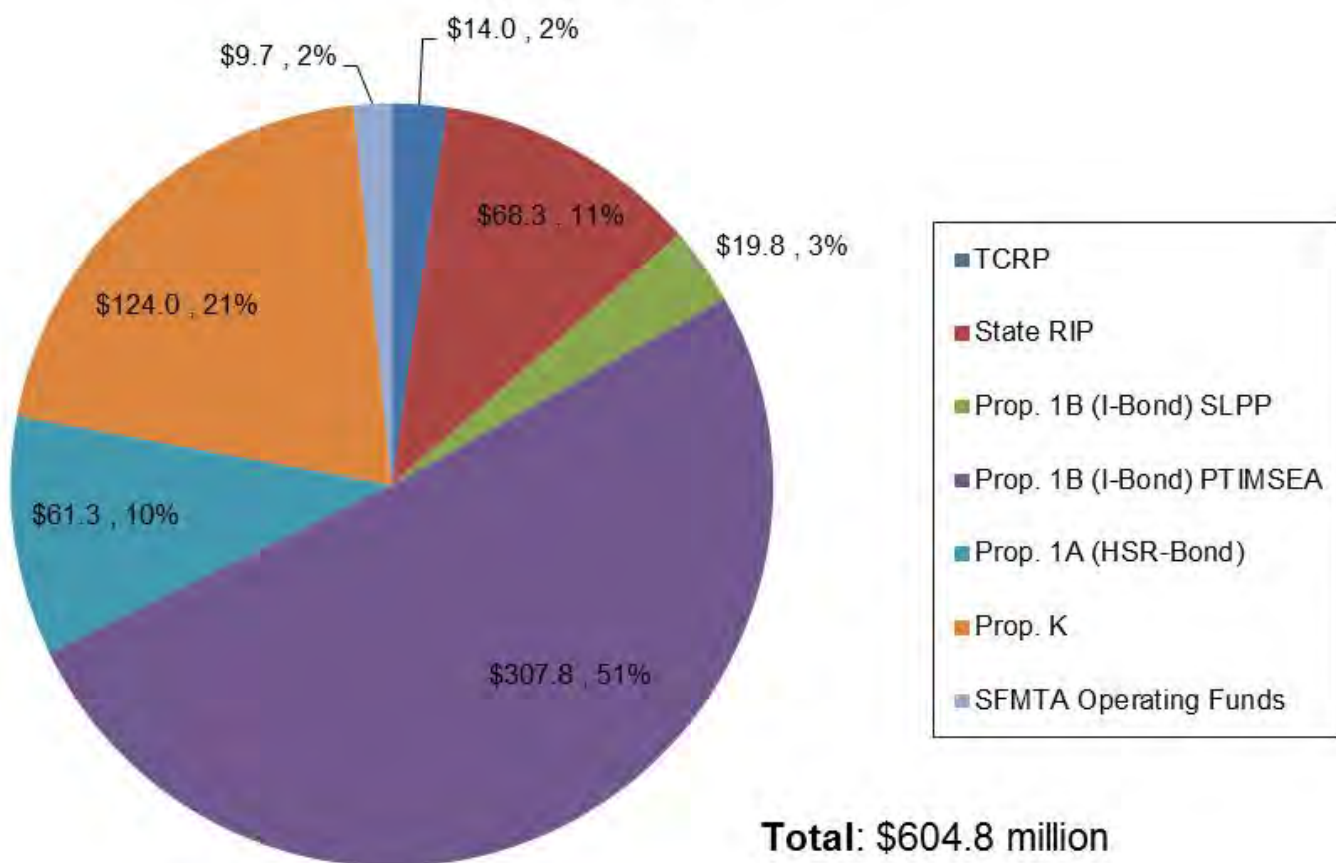


Central Subway Project Funding

Phase 2 + Retrieval Shaft Relocation
(\$ in millions)



State and Local Funding Phase 2 + Retrieval Shaft Relocation (\$ in millions)



Appendix D

COMPLETED CONTRACTS

Moscone Station and Portal Utility Relocation

Contract 1250

Contractor: Synergy Project Management, Inc.

Budget/Expenditures

Category	Amount
Original Budget	\$11,227,316
Expenditures Final	\$11,968,150
Utility Reimbursements	(\$2,275,419)
Final Program Cost	\$9,692,731
Budget Impact (Underrun)	(\$1,534,585)

Contract Details

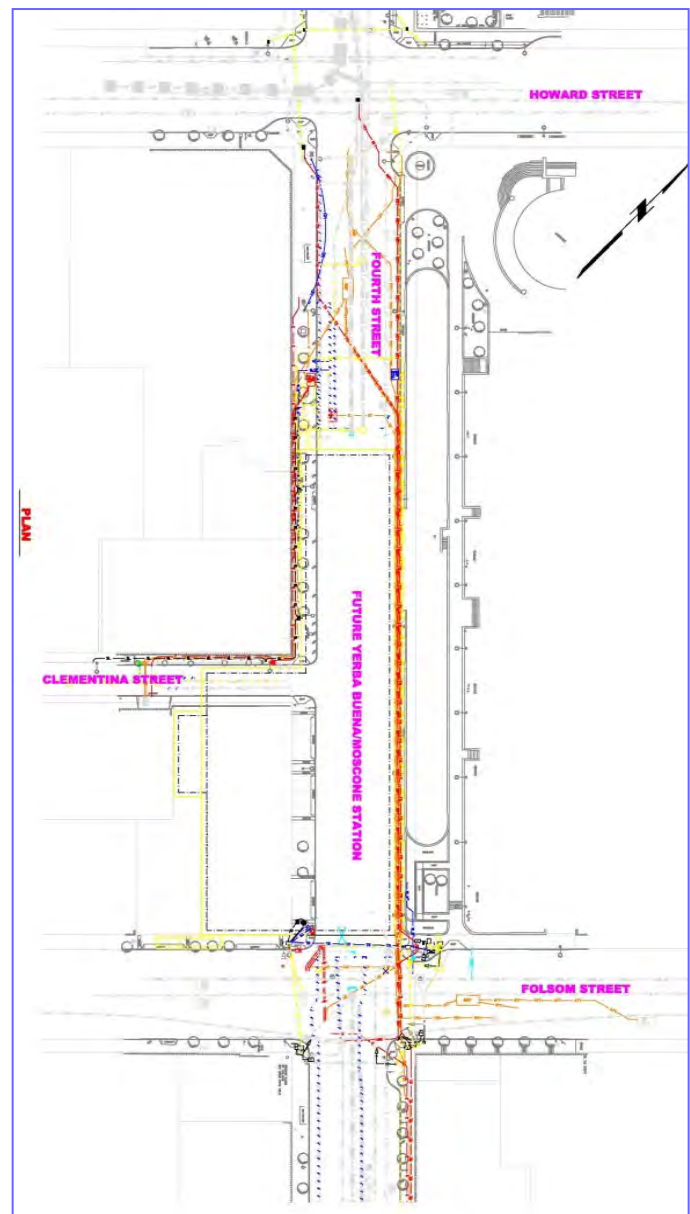
Contract Awarded:	November 17, 2009
Notice to Proceed:	January 4, 2010
Substantial Completion:	June 23, 2011
Contract Award Value:	\$ 9,273,939
Modifications Final :	\$ 2,694,211
Final Contract Value:	\$11,968,150

Status

- Work complete
- Project closeout administration and documentation
- Final Completion Date: June 23, 2011

Description

This project relocates utilities within the footprint of the proposed Yerba Buena/Moscone Station and the 4th Street Portal where the tunnel boring machines will descend underground. Also included is installation of building protections and monitoring of buildings adjacent to utility trenches.



Union Square/Market Street Station Utility Relocation

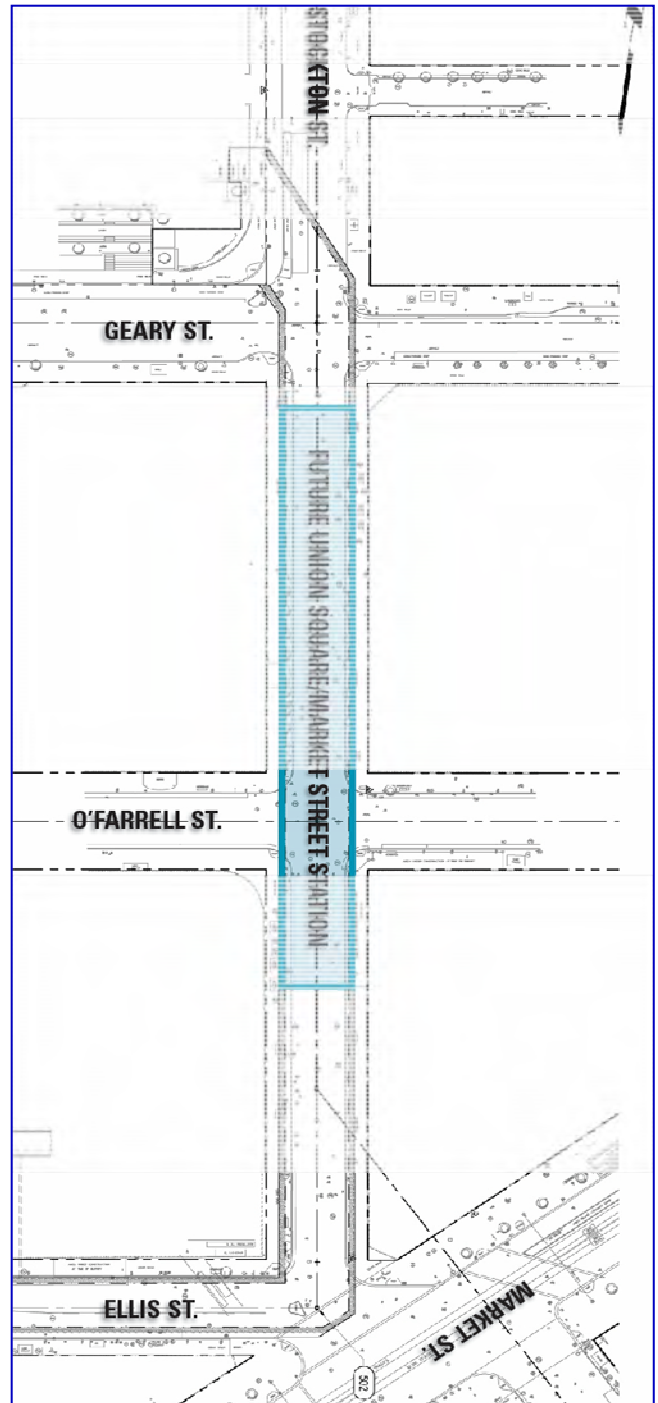
Contract 1251

Contractor: Synergy Project Management, Inc.

Budget/Expenditures	
Category	Amount
Original Budget	\$22,199,847
Expenditures Final	\$20,669,081
Utility Reimbursements	(7,413,510)
Final Program Costs	\$13,176,169
Budget Impact (Underrun)	(9,023,678)

Description

This project relocates utilities for the Union Square/Market Street Station and temporarily reroutes existing trolley coach lines around the construction.



Contract Details	
Contract Awarded:	December 7, 2010
Notice to Proceed:	January 12, 2011
Substantial Completion:	August 16, 2012
Contract Award Value:	\$16,832,550
Modifications Final:	\$3,836,531
Final Contract Value:	\$20,669,081

Status

- Final completion on October 15, 2012
- Completed punch list work
- Project Final Acceptance on November 15, 2013
- Completed final construction contract administrative closeout in June 2017

Central Subway Pagoda Palace Demolition

Contract 1277 Contractor: MH Construction

Work Description

Demolish and clear the former Pagoda Theater for use the site to recover the tunnel boring machines when tunnels are completed in 2015. Locate and supply contractor facilities and installations. Obtain permits and approvals and coordinate work with City agencies and utility companies. Furnish and install signs and distribute notices to the local community prior to commencing with construction, cleanup and remove of debris from the site.

- Contract funded by SFMTA Operating funds
- Work was substantially completed September 24, 2013
- Completed administrative closeout in June 2016

Budget/Expenditures	
Category	Amount
Current Budget	\$648,976
Expenditures to Date	\$648,976

Contract Details	
Contract Awarded:	June 12, 2013
Notice to Proceed:	July 15, 2013
Substantial Completion:	Sept. 24, 2013
Contract Award Value:	\$498,995
Modifications to Date:	\$149,981
Current Contract Value:	\$648,976



Central Subway Tunneling

Contract 1252 Contractor: Barnard Impregilo Healy Joint Venture

Description of Work

1.5-mile twin bore tunnels from Hwy I-80 to North Beach using two tunnel boring machines (TBMs). Contractor procurement and installation of the TBMs; construction of the TBM launch box and retrieval shaft excavation support; Yerba Buena/Moscone Station and Union Square/Market Street Station end walls; tunnel excavation and installation of precast segmental lining, the 4th Street portal transition to the surface and cross passages. Throughout, settlement monitoring and protection of existing utilities, buildings and BART tunnels.

Status

- Final Completion Date: May 15, 2015
- Completed administrative closeout in November 2018

Budget/Expenditures	
Category	Amount
Current Budget	\$239,973,354
Other Project Budget	\$5,150,000
Other Offset Credits	\$1,312,101
Expenditures Final	\$233,511,253

Contract Details	
Contract Awarded:	June 28, 2011
Notice to Proceed 1:	January 27, 2012
Notice to Proceed 2:	March 14, 2012
Partial NTP 3:	April 12, 2012
Notice to Proceed 3:	October 15, 2012
Substantial Completion:	April 15, 2015
Contract Award Value:	\$233,584,015
Modifications to Date:	\$6,389,339
Final Contract Value:	\$239,973,354



Appendix E

SBE PARTICIPATION

Quarterly Report

Current Report: July 2021 to September 2021

PROGRAM SUPPORT CONTRACTS – SBE PARTICIPATION

Appendix E presents the Central Subway Program Small Business Enterprise or SBE goals and the actual SBE participation achieved to date – as of September 30, 2021.¹

CS Program SBE Summary Table for Professional Services and Construction Contracts

The summary compares the dollar value of the Base Contracts, the SBE Contract Goals, the percent and dollar value expended to date and the SBE actual participation to date.

CS Program SBE Summary Table for Professional Services and Construction Contracts

Contract No.	Contractor	Services/Segment	A	B	C	D	E	F	G	
			Contract Amount	SFMTA SBE Contract Goal	Contract Expenditure to Date (Est.)	SBE Actual to Date	SBE Contract \$s = A * B	SBE Amount to Date = C * D	Contractor's SBE Goal (in Bid)	
A Project Professional Services Contracts			millions		millions		millions	millions		
1	149	CS Partnership	Project Management	\$127.58	30%	\$112.94	35.1%	\$38.27	\$39.65	31.4%
2	156	Hill International	Project Controls Task 1	\$17.11	26%	\$10.12	29.3%	\$4.45	\$2.96	26.0%
3	155-1	PB Telemon	Tunnels Design	\$7.94	30%	\$7.90	30.2%	\$2.38	\$2.39	31.6%
4	155-2	CS Design Group	Stations Design	\$54.78	30%	\$51.84	31.2%	\$16.43	\$16.17	36.4%
5	155-3	HNTB, Inc.- B&C	Systems, Track & Surface Station Design	\$20.22	30%	\$20.22	25.9%	\$6.07	\$5.24	30.0%
Subtotal Professional Services				\$227.63		\$203.02		\$67.61	\$66.42	
B Project Construction Contracts			millions		millions		millions	millions		
1	1250	Synergy Inc	Utility Relocation 1	\$11.97	20%	\$11.97	97.2%	\$2.39	\$11.63	96.4%
2	1251	Synergy Inc	Utility Relocation 2	\$20.70	20%	\$20.70	87.4%	\$4.14	\$18.10	94.9%
3	1252	BIH	Tunnels and Portal - in Construction	\$239.97	6%	239.97	5.8%	\$14.40	\$13.88	6.1%
4	1277	MH Construction	Pagoda Demolition	\$0.65	100%	\$0.65	100.0%	\$0.65	\$0.65	100.0%
5	1300	Tutor-Perini	Stations/Track/Systems - in Construction	\$ 1,144.21	20%	\$1,138.13	17.3%	\$228.84	\$197.25	25.5%
Subtotal Construction Contracts				\$1,417.50		\$1,411.42		\$250.42	\$241.50	
Contract	Contractor	Services/Segment	Base Contract	SFMTA Goal	Expenditures	SBE Actual	= A * B	= C * D	Bid Goal	
			A	B	C	D	E	F	G	

SBE Summary Table Notes and Sources:

- a) Column A is the base contract amount awarded. Column B is the Agency SBE goal percent for each contract awarded.

The SFMTA SBE Contract Goals are also on the Central Subway web site under the listing of on-going contracts – see “**Closed and Awarded Contracts**” at this link:

<http://centralsubwaysf.com/content/closed-and-awarded-contracts>

- b) Column C shows each contract's current amount expended to date (estimated) including accruals. Column D is the actual SBE percent level of each contract based on payments to date.

Column E is the expected SBE dollar amount when the contract amount is completed and the SFMTA SBE goal achieved using this calculation: Columns A * B = Column E, the SBE Expected \$ Amount.

Column F is the actual SBE dollar amount out of the total contract expenditure to date:

¹ An SBE is a for-profit, small business concern with a three (3) year average gross revenue not exceeding \$14 million or \$12 million, depending on the scope of work to be performed, that is certified under any of the following programs: the State of California's Small Business Program with the Department of General Services ("State Program"), the City and County of San Francisco's LBE Program ("City Program"), or the California Unified Certification Program ("Federal DBE program").

Columns C * D = Column F, the SBE Expended \$ Amount.

The source of the SBE Actual percent to date and dollar amounts are Progress Payment Applications and Contractor's monthly submittals that may include the current estimated accruals. The BIH SBE percent is from the contractor's progress payment #40, Form 6.

- c) Column G, the Contractor's SBE Goal in the submitted bid, is background information that is not calculated in the table. The table source of the Contractor's SBE Goals is from the SFMTA Contract Compliance Office. A Contractor's SBE goal in the bid is one source used by SFMTA Contract Compliance to assess and propose the Agency's SBE goal for a contract.
- d) The three constructions contracts shown in **bold type, 1250, 1251 and 1277**, with gray background, are completed contracts. Little to no changes will be shown in future reports.
- e) The SBE Hill International Actual to Date SBE participation is 29.3% for the overall SFMTA contract. The Hill International data is for the Central Subway Task 1 portion of the Hill International contract to provide SFMTA Project Controls services and systems.
- f) The SBE SFMTA goal for Contract 1300 Tutor-Perini is 20% SBE with a provision of 50% for trucking.

The 1300 Tutor-Perini SBE percent Actual is based on the SBE data provided in Progress Payment #95 September 2021, SFMTA SBE FORM No. 6.

- g) The SBE SFMTA goal for Contract 1277 MH Construction was based on an SBE set-aside.

SBE Participation Details

The two tables that follow present the Central Subway's professional services and construction contract amounts, expenditures and SBE levels with additional details.

Active Professional Services Contracts - SBE Participation Details

As of: 9/30/2021

Contract:	Project Management and Construction management	
Contract No.	CS-149 Central Subway Partnership*	
Status:	On-going	
	Base Contract Value	\$97,715,988
	Approved Change Orders	-0-
	Current Contract Value	\$127,578,071
	Expended to Date (est.)	112,940,580
	% Expended	88.5%
	SBE SFMTA Goal	30.0%
	SBE Participation	35.1%

Contract:	Project Controls Cost and Schedule Support	
Contract No.	CS 156 Hill International Task 1*	
Status:	On-going	
	Base Contract Value	\$17,112,873
	Approved Change Orders	-0-
	Current Contract Value	\$17,112,873
	Expended to Date (est.)	\$10,115,598
	% Expended	59.1%
	SBE SFMTA Goal	26.0%
	SBE Participation	29.3%

Contract:	Design Package 1 for CNs 1250, 1251 and 1252 Tunnels	
Contract No.	CS-155-1 PB / Telemon*	
Status:	Design is completed. Construction support ongoing	
	Base Contract Value	\$5,795,000
	Approved Change Orders (7)	\$2,145,159
	Current Contract Value	\$7,940,159
	Expended to Date (est.)	\$7,904,713
	% Expended	99.6%
	SBE SFMTA Goal	30.0%
	SBE Participation	30.2%

Contract:	Design Package 2 for 1253 UMS, 1254 CTS, 1255 YBM	
Contract No.	CS-155-2 Central Subway	
Status:	Design is completed. Construction support ongoing	
	Base Contract Value	\$39,949,948
	Approved Change Orders (6)	\$14,829,744
	Current Contract Value	\$54,779,692
	Expended to Date (est.)	51,840,693
	% Expended	94.6%
	SBE SFMTA Goal	30.0%
	SBE Participation	31.2%

Contract:	DP 3 Systems, Track work,	
Contract No.	CS-155-3 HNTB-B&C*	
Status:	Design is completed. Construction support ongoing	
	Base Contract Value	18,549,417.00
	Approved Change Orders (9)	\$2,735,209
	Current Contract Value	\$21,284,626
	Expended to Date (est.)	20,221,408
	% Expended	95.0%
	SBE SFMTA Goal	30.0%
	SBE Participation	25.9%

* denotes accrual

Active and Completed Construction Contracts - SBE Participation Details

		<i>Data as of:</i> 9/30/2021
Contract: Synergy Inc Utility Relocation 1 YBM & Launch Box		
Contract No. 1250		
Status: Contract is completed and closed out		
	Base Contract Value	\$9,273,939
	Approved Change Orders	\$2,694,211
	Final Contract Value	\$11,968,150
	% Expended	100%
	SBE SFMTA Goal	20%
	SBE Participation To Date	97.2%
Contract: Synergy Inc Utility Relocation 2 UMS		
Contract No. 1251		
Status: Contract is completed and closed out		
	Base Contract Value	\$16,832,550
	Approved Change Orders	3,836,531
	Final Contract Value	\$20,699,081
	% Expended	100%
	SBE SFMTA Goal	20.0%
	SBE Participation To Date	87.4%
Contract: Pagoda Palace Demolition / MH Construction		
Contract No. 1277		
Status: Contract is completed and closed out		
	Base Contract Value	\$498,995
	Approved Change Orders	\$149,981
	Final Contract Value	\$648,976
	% Expended	100%
	SBE SFMTA Goal	100%
	SBE Participation To Date	100%
Contract: Tunnels Barnard/Impregilo/Haley		
Contract No. 1252		
Status: Contract is completed and closed out		
	Base Contract Value	\$233,584,015
	Approved Change Orders	\$6,389,339
	Current Contract Value	\$239,973,354
	Expended to Date (est.)	\$239,973,354
	% Expended	100%
	SBE SFMTA Goal	6.0%
	SBE Participation To Date	5.8%
Contract: Stations and Systems / Tutor Perini		
Contract No. 1300		
Status: On-going		
	Base Contract Value	\$839,676,400
	Approved Change Orders	\$304,537,299
	Current Contract Value	\$1,144,213,699
	Expended to Date (est.)	1,138,129,310
	% Expended	99.5%
	SBE SFMTA Goal	20.0%
	SBE Participation To Date	17.3%







Photos on the next page:

(top to bottom) September 2021: At Chinatown Station, train in the tunnel.
 Headhouse glass at Union Square Market Street Station.
 At Yerba Buena/Moscone Station, a view surface plaza seating. View platform seafoam lights installed at Surface, Track, and Systems station.

central subway

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This document is published by the SFMTA and the City and County of San Francisco as a service to individuals and agencies interested in the Central Subway Project. Funding for the Central Subway is made possible through funds provided by the Federal Transit Administration, the State of California, the Metropolitan Transportation Commission and the San Francisco County Transportation Authority.



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