

Transmittal

CS Transmittal No. 2604

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
Date: December 28, 2020	Project No./Contract No.: M544.1, CSP
	Task No./Title: Cost/Schedule Management
	Project Phase: Construction
	Subject: Monthly Progress Report November 2020

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	Monthly Progress Report (November 2020)	1	12/28/2020

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

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

Nadeem Tahir

Nadeem Tahir, P.E.
Program Director
NT: dl

cc:

Pete Hankovszky, PMOC (phankovszky@deainc.com)
Luis Zurinaga, SFCTA (luis.zurinaga@sfcta.org)
Anna LaForte, SFCTA (anna.laforte@sfcta.org)
Maria Lombardo, SFCTA (maria.lombardo@sfcta.org)
Jeffrey Tumlin, SFMTA
Deanna Desedas, SFMTA
Carli Paine, SFMTA
Terrance Fahey, SFMTA
Mark Liu, SFMTA
Catherine Luu (catherine.luu@dot.gov)
Edward Carranza, FTA (edward.carranza@dot.gov)
Eric Chang, PMOC (ehch@deainc.com)

Kate Breen, SFMTA
Kathleen Sakelaris, SFMTA
Leo Levenson, SFMTA
Eric Stassevitch, CSP
Joel Goldberg, SFMTA
Jonathan Rewers, SFMTA
Julie Kirschbaum, SFMTA
Joel Ramos, SFMTA
Ray Tellis, FTA (ray.tellis@dot.gov)
Lisa Gavin (lisa.gavin@dot.gov)
Billy Deeb, AON (billy.deeb@aon.com)
SFCTA project file: Propk@sfcta.com

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central subway

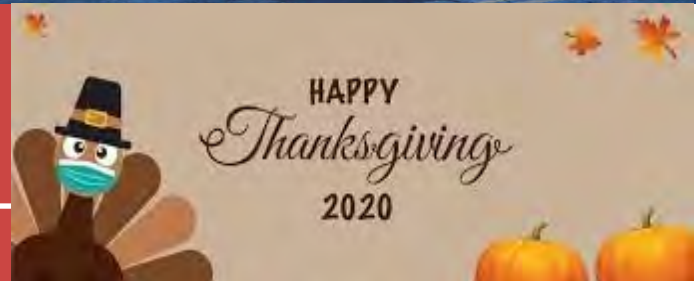
Coming Together

Moving forward with progress across all stations



Progress Report

November 2020



SFMTA

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Cover photo: progress on the surface station at the Rose Pak Chinatown station

Above photo: Work on finishing the floors at the Union Square station is almost complete.

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.centrlsubwaysf.com/>



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. While the City continues to observe restrictions from the City's Health Officer, some of these restrictions have been adjusted as the conditions get worse. Construction of the Central Subway project continues to progress and Construction Management team continues to monitor progress. The Contractor reported three additional cases in November and all quarantined personnel have followed the appropriate procedures to return to work. The Contractor is following the required protocol to maintain the safety of the work force. The project has determined that these restrictions have some impacts to the project efficiency and schedule. 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 continued to change, the project team continues to only have essential project staff on site to ensure safety of the staff and allow other staff to telecommute. (For additional discussion, please see Safety and Security section on pg. 35)

Chinatown Station - Completed construction for Methodist Church rain downspout tie-in to sewer main. Completed construction for PG&E 2" gas line along Washington Street. Completed street restoration at Stockton/Washington Streets and north sidewalk restoration along Washington Street. Opened north sidewalk along Washington Street for pedestrian travel. Continued street work (minor), monitoring and surveying.

Union Square/Market Street Station - Completed installation of light fixtures throughout the station. Completed installation of radiax on all levels. Completed installation of cables for artwork at Platform level. Completed testing of all station receptacles. Completed installation of precast terrazzo threads and handrails at Stairs 1 & 2. Completed installation of crystallized glass at the escalator opening. Completed painting whale and conduits at Platform level. Completed landscaping street level area at Stockton Street. Completed installation of maintenance hatch lid installed on Stockton Street.

Yerba Buena/Moscone Station - Completed installing runnels at ingress/egress Stair 7. Completed tie conduit into tunnel conduit at the explain joints; extended CCTV PB and telephone PBs to tunnel entry at Platform. Completed 99.9% CU equipment connect and testing.

Surface, Track and Systems– Continued traction power conduit and other electrical conduit installation inside tunnel. Continued tunnel lighting, mini power, OCS hanger and tunnel signage installation. Continued 4th/Brannan platform construction. Continued installation of ATCS and radio system.

Total net incurred costs for the project are \$1,674.32 million, a \$39.35 million increase over last month. The total cost to date has exceeded the total project budget of \$1.578 billion. The project continues to review the overall cost. The current Estimate at Completion (EAC) is projected to be \$1.756B or \$177M 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)

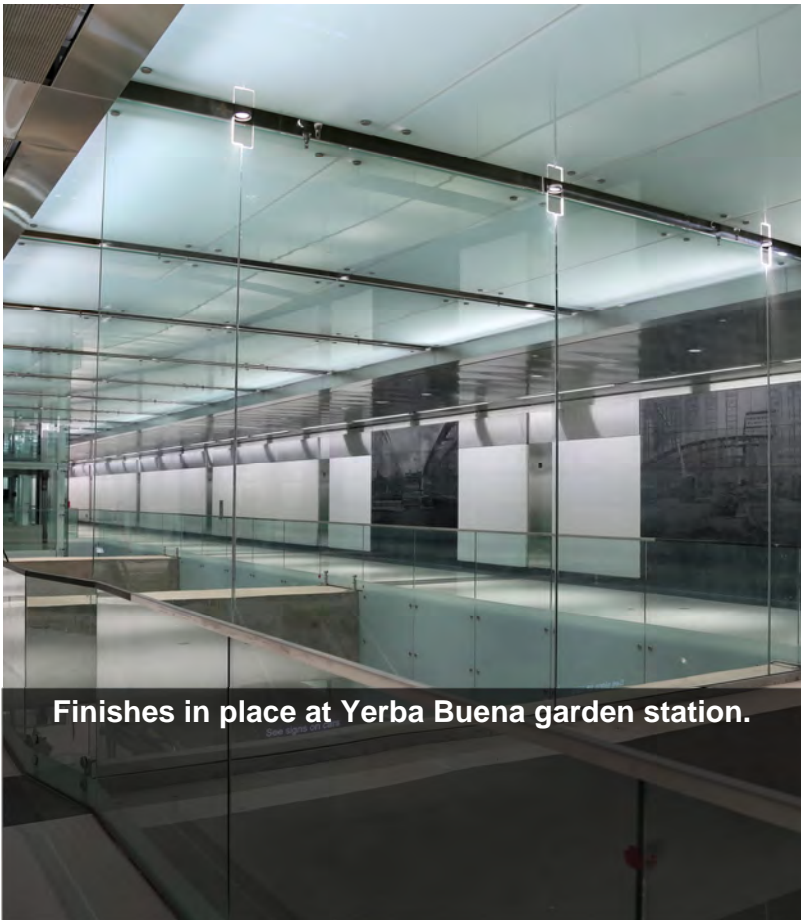
The Stations Contractors' Safety Reports should show any accidents that may occur during the current month. The rates of work site accident incidents by the man hours worked continue to be below industry standards - see tables on page 36

Key Milestones

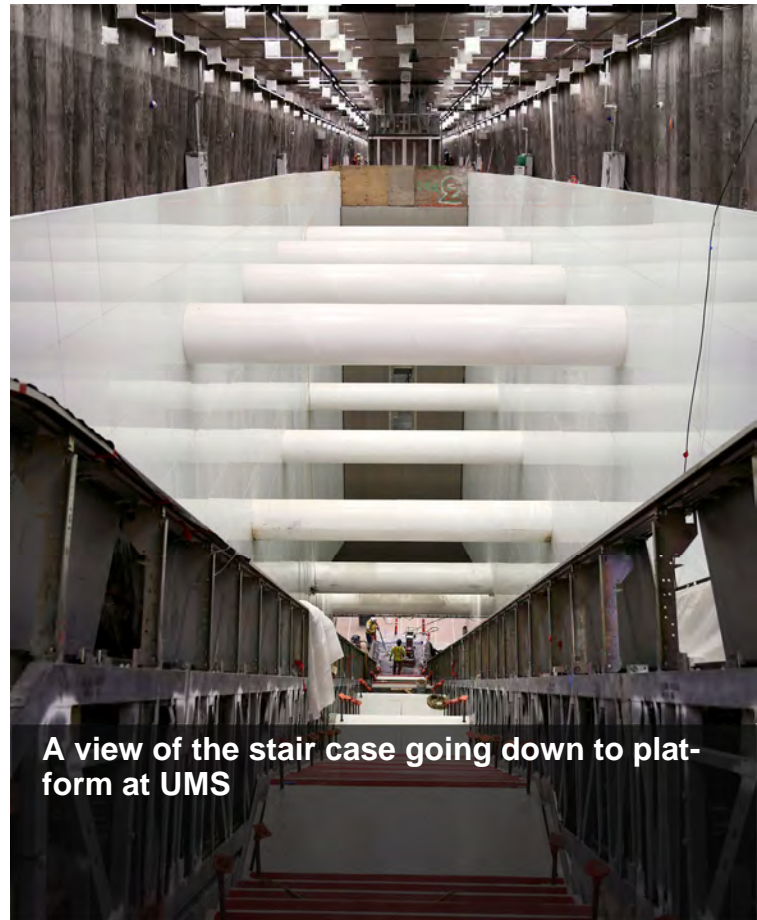


Close up look at the portal entrance

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)	January 12, 2014 (A)
Substantial Completion	Spring 2021



Finishes in place at Yerba Buena garden station.



A view of the stair case going down to platform at UMS

Costs and Schedule

Costs (See Appendix A for Details)

The revised Cost Estimate (CCE) for the Central Subway Project is \$1.665 billion in year of expenditure dollars (\$YOE). The project is working with our funding partners to address the current funding shortfall. Currently, the project estimates the Estimate at Completion (EAC) to be \$1.756B or \$177M above the original budget of \$1.578B. These revised estimates have been shared with our board. Based on the additional funding requirement, the project will continue to work with Finance and Grants to secure these additional funds which will be from several sources including the operating budget. EAC has not been finalized as additional cost related to claim settlements, contract modifications and delayed cost due to the current pandemic are identified. When the EAC is revised and the funds are identified, the team will revise the various cost sheets to reflect the revised budget and EAC along with any impacted appendix. The team anticipates that this will take several reporting cycles to adjust. The team continues to work with SFMTA Finance and Grants to book funds as they become available to the program.

Total net incurred costs for the project are \$1,674.32 million, a \$39.35 million increase over last month. The cost to date figure reflects expenditures through FAMIS 786 Report (\$1,600.88 million) plus the utilities joint trench Form B Reimbursement payment (\$12.51 million), invoices currently being processed (\$66.02 million) and estimates of outstanding pay requests (credits of \$5.06 million). The revised total project budget has is \$1.665 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 \$63,679,086 appropriated in October 2020 . 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 November 2020 Report, the Preliminary Earned Value Analysis reports is based on the SFMTA November Schedule Update. The Planned Value, Earned Value, Actual Cost, Percent Complete and resulting indexes as follows:

Preliminary November Earned Value

Overall Budgeted Cost:	\$1,664,687,194
Planned Value:	\$1,593,491,019
Earned Value:	\$1,479,768,448
Actual Cost:	\$1,674,315,804
Schedule Performance Index (SPI):	0.93
Cost Performance Index (CPI):	0.88
Percent Complete:	92.9%

*November 2020 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 November 2020. The November 2020 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 November 2020 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 review and approval. The project continues to evaluate this date with potential impact from COVID restrictions with stricter guidelines and procedures. The schedule team is assessing the risk with these issues and identifying potential mitigation to reduce the risk to the overall schedule. The Contractor has notified the City that potential delay may have occurred due to the social distancing requirement which is impacting production rates.

Currently we are experiencing day-to-day delays caused by TPC's electrical work in the tunnel impacted by lack of resources and extended approvals of contract modifications related to Radio and Train Control Systems. 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 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 November 2020 schedule is used within the September Report. The SFMTA Contract 1300 November 2020 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:

- Continued installing terrazzo for Stair 1 at Cavern Platform level
- Continued installing overhead signage along North/South Cavern Platform
- Continued installing steel structure for Station Agent Booth at Concourse level
- Continued installing electrical and communication conduits at Station Agent Booth at Concourse level
- Continued pulling service wires at Equipment Room at Underplatform level
- Continued pulling service wires at Main Electrical and Traction Power rooms at Headhouse Platform level
- Continued installing storm, sewer, water piping, refrigerant, and fire sprinkler piping at all levels
- Continued installing GFRC panels at Upper Mezzanine
- Continued installing Elevators 1, 2, 3, and 4 and Stairs 5 and 6
- Completed installing Stair 5
- Completed construction of Plaza walls
- Continued construction of Plaza roof and stairs
- Continued installing fire proofing for Plaza level
- Continued installing electrical conduits and sprinkler piping at Surface and Plaza levels
- Continued installing HVAC at Surface level; began installing HVAC at Plaza level
- Continued installing GFRC panels at Plaza level
- Continued installing grating at Roof walkways
- Closed north sidewalk of Washington Street to pedestrian traffic
- Continued construction of 12" and 8" water lines along Washington Street
- Began construction for Methodist Church rain downspout tie-in to sewer main
- Began construction for PG&E 2" Gas line along Washington Street
- Completed tie-in to MRY Manhole 908 at Washington/Stockton intersection for 4" METS conduit
- Continued street work (minor), ongoing monitoring and surveying

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

Continued construction, installation and testing of the following items:

- Started Installing Advertisement Light box at Concourse Level.
- Started pulling fiber for SFDT Installation.
- Started Installing Area of Refuge Fixtures.
- Continued Installation of Data, Phone at North Entrance.

Schedule Highlights - Continued

- Continued working on Station Agent Booth.
- Continued Installation of Power and Data Outlets at Ellis Entrance.
- Continued Installation of Radiax on all Levels.
- Continued Installation of Pre-Cast Steps and Grinding of Terrazzo on Stairs #1 and #5.
- Continued Installation of crystallized glass at the Escalator Opening.
- Continued Installation of EV-Fans in Air-Flow Sensor Wire.
- Continued Pull and Termination of the wire for SCADA.
- Continued Installation of the Glazed Wall System on Platform Level.
- Continued Installation of Precast steps at Stair #2.
- Continued Installation of Fire Alarm BPS and Deluge System at South Electrical Room.
- Continued Installation of Light Fixtures at throughout the station.
- Continued Installation of cables for Artwork at Platform Level (Gizmo).
- Continued Installation of Light Fixtures at throughout the station.
- Continued Installation of Crystalized Glass Panels at North Escalator openings, sectors 2 and 3.
- Performed testing of Public Announcement System.
- Performed testing of EV Dampers
- Performed testing of receptacles.
- Completed Application of Anti-graffiti coating on Exposed Piles at Concourse Level.
- Completed Installation of Fire Alarm and Strobe at Mezzanine level and IS level.
- Completed Application of Sealant and Terrazzo Flooring at Concourse and Platform Levels.
- Completed Installation of Crystalized Glass Panels at Geary & Ellis Entrances

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

- Installed handrails at Ingress/Egress Stair 2, 3,5, and 6
- Installed piping under Platform Stair 3
- Installed runnels and terrazzo steps at Ingress/Egress stair 7
- Installed glass at North face Elevator 3 & 4, art glass, fascia and soffit at 'G' line, and PDS sign at Headhouse Surface level
- Installed permanent fencing at Surface level in South area
- Raised sprinkler mains in Ceilings at Headhouse Surface level
- Installed doors and frames at Headhouse Mezzanine level
- Removed all scaffold and installed South face glass of elevator 3 & 4 at Headhouse Concourse level

Schedule Highlights - Continued

- Framed rated and fireproofed ceilings under Escalators and Stair #7
- Rough in Ticketing Hall Kiosk and SCADA terminations at Concourse level
- Installed benches, gates and taped drywall ceiling at Platform

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

- Continued 4th/Brannan platform construction
- Continued axle counter box revisions at 4th St. portal
- Continued traction power conduit and other electrical conduit installation inside tunnel for CCTV, telephone, tunnel lighting, and tunnel electrical power
- Continued traction power cable installation and terminations
- Continued tunnel lighting, mini power, and OCS hanger installation
- Continued installation of ATCS and radio system
- Completed installation of blast doors at tunnel cross-passages

Master Project Schedule

Activity ID	Activity Name	Original Duration	Start	Finish	2021				Page 1 of 1
					Q4	Q1	Q2	Q3	Q4
CENTRAL SUBWAY PROJECT									
Program Level Interactions									
P-01000	Central Subway Project Start	1500	03-Jan-20 A	28-Oct-22					
M-0001A	Final Engineering Phase	520	03-Jan-20 A	31-Mar-22					
M-0002A	Final Design	911	03-Jan-20 A	07-Apr-21					
M-0003A	Light Rail Vehicles	2000	18-Jul-19 A	17-Jul-21 A					
M-0004A	Rail Exits	1130	15-Aug-19 A	19-Jan-21 A					
M-0005A	Construction Phase	3341	18-Jan-20 A	28-Oct-22					
M-0006A	Construction Support and Coord	1844	18-Jan-20 A	28-Oct-22					
M-0007A	Construction Utility Contract #1 - MGS & Portal CH-1250	818	18-Jan-20 A	23-Mar-21 A					
M-0008A	Construction Utility Contract #2 - UMS CH-1251	843	18-Jan-20 A	18-Apr-21 A					
M-0009A	Construction Tunnels CH-1252	1819	18-Jan-21 A	30-Jun-21					
M-0010A	Construction STS P-1256 A1C3	1824	20-Sep-19 A	06-Jul-21					
M-0011A	Construction STS P-1000 (Radio)	188	27-Aug-19 A	04-Aug-21					
M-0012A	Construction CH-1300	3193	03-Jan-21 A	22-Aug-21					
M-0013A	CH-1300 Milestone	4103	17-Jul-21 A	25-Aug-21					
M-0014A	Construction UMS Station P-1253	2079	17-Jul-21 A	28-Mar-21					
M-0015A	Construction OTIS Station P-1249	2079	17-Jul-21 A	28-Mar-21					
M-0016A	Construction YBM Station P-1254	2079	10-Jul-21 A	28-Mar-21					
M-0017A	Construction STS P-1256	2079	03-Jan-21 A	28-Mar-21					
M-0018A	Project Start Up	110	18-Mar-21	31-Mar-21					
Unallocated Contingency									
					Required Revenue Service Date: 28-Dec-18 Data Date: 24-Nov-20				



Art paneling not yet ready to be revealed at YBM

Contracts & Construction

Construction Contracts In Progress

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

- Contractor: Tutor - Perini Corporation
- Amount: \$976.99 million
- Contract Status: 94.6% 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

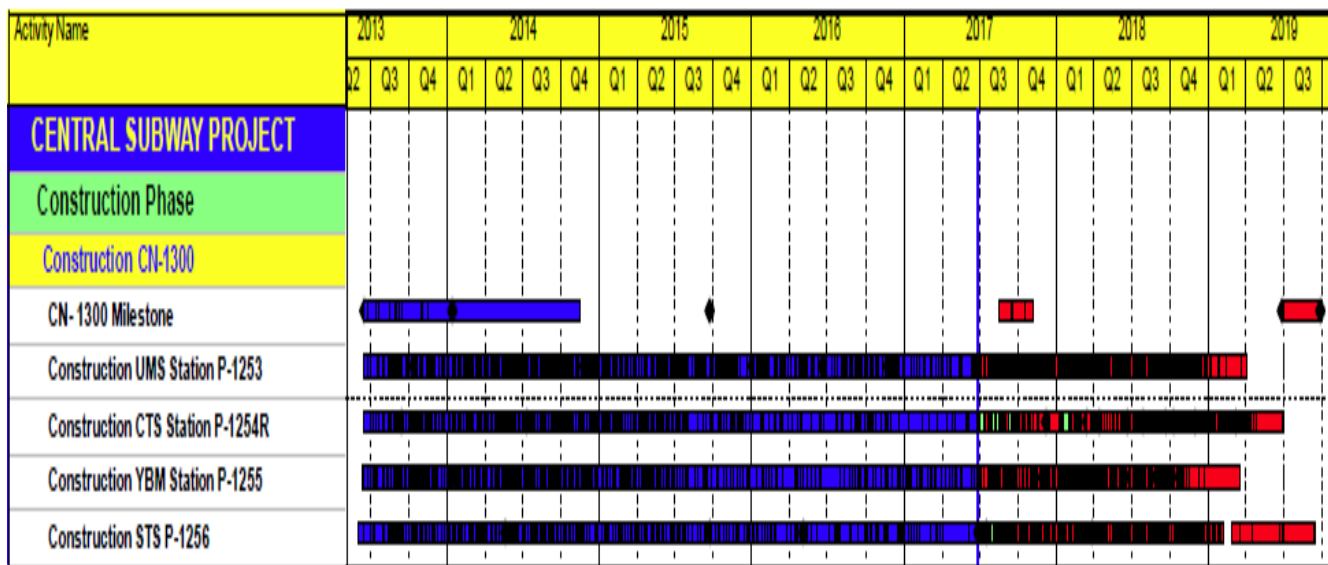
The Contract 1300 scope is to construct the Central Subway's three subway stations, one surface station, construct the 2,000 feet of surface track, and install track and operating systems throughout the new alignment. The separate station and systems work packages are presented in the following pages.

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 (\$):	\$165,245,354
Modifications to Date (Days):	1,052
Current Contract Value:	\$1,004,921,754

Budget/Expenditures▲	
Current Budget	\$929,347,796
Other Project Offset Credits	\$10,304,777
Expenditures to Date	\$976,991,117

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

- Continued installing terrazzo for Stair 1 at Cavern Platform level
- Continued installing overhead signage along North/South Cavern Platform
- Completed installing steel structure for Station Agent Booth at Concourse level
- Continued installing electrical and communication conduits at Station Agent Booth at Concourse level
- Continued pulling service wires at Equipment Room at Underplatform level
- Continued pulling service wires at Main Electrical and Traction Power rooms at Headhouse Platform level
- Continued installing storm, sewer, water piping, refrigerant, and fire sprinkler piping at Surface/Plaza levels
- Continued installing GFRC panels at Upper Mezzanine
- Continued installing Elevators 1, 2, 3, and 4 and Stairs 5 and 6
- Continued construction of Plaza roof and stairs
- Continued installing fire proofing for Plaza level
- Continued installing electrical conduits and sprinkler piping at Surface/Plaza levels
- Continued installing HVAC at Surface/Plaza levels



- Continued installing GFRC panels at Plaza level
- Continued installing grating at Roof walkways
- Completed construction of 12" water lines along Washington Street
- Completed construction for Methodist Church rain downspout tie-in to sewer main
- Completed construction for PG&E 2" Gas line along Washington Street
- Completed street restoration at Stockton/ Washington Streets
- Completed North sidewalk restoration along Washington Street
- Opened North sidewalk along Washington Street for pedestrian travel
- Continued street work (minor), ongoing monitoring and surveying

Work Expected Next Month

- Complete installing terrazzo for Stair 1 at Cavern Platform level
- Complete installing overhead signage along North/South Cavern Platform
- Continue installing electrical and communication conduits at Station Agent Booth at Concourse level
- Complete installing Stair 6

Chinatown Station

- Complete pulling service wires at Equipment Room at Underplatform level
- Continue installing overhead conduit at Traction Power rooms at Headhouse Platform level
- Complete pulling service wires at Main Electrical and Traction Power rooms at Headhouse Platform level
- Complete installing storm, sewer, water piping, refrigerant, and fire sprinkler piping at Surface and Plaza levels
- Complete installing GFRC panels at Upper Mezzanine level
- Complete installing GFRC panels at Crosscut Cavern Arch
- Complete installing Elevators 1, 2, 3, and 4
- Complete construction of Plaza roof and stairs
- Complete installing fire proofing for Plaza level
- Complete installing electrical conduits and sprinkler piping at Surface and Plaza levels
- Complete HVAC installation at Surface and Plaza levels
- Complete construction of 8" water lines along Washington Street
- Obtain SFDBI Green tag
- Obtain permanent electric power from PG&E
- Begin testing EV fans, panels, transformers and lighting
- Continued street work (minor), ongoing monitoring and surveying

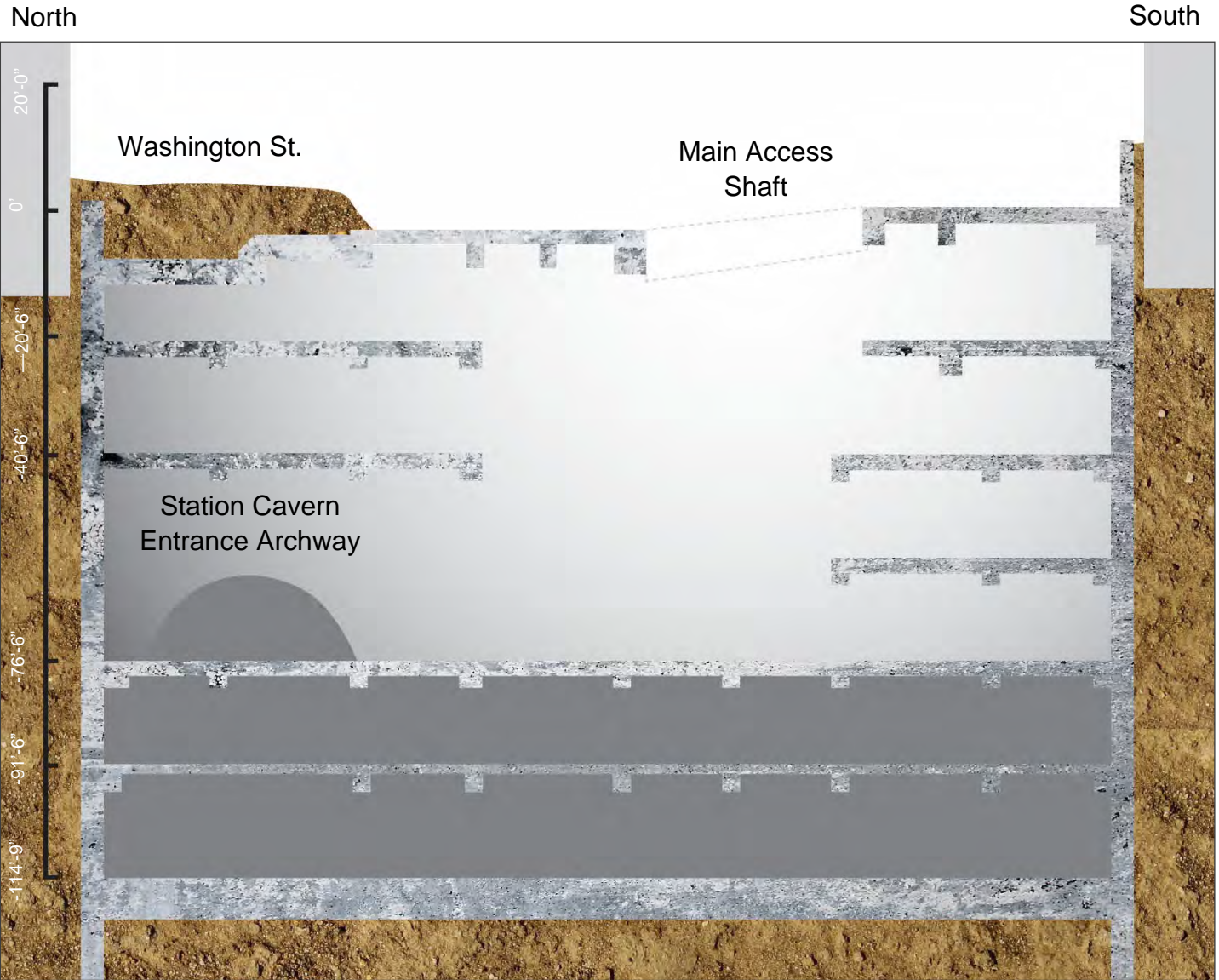
Three Month Look Ahead

- Complete installation of Elevators 3 and 4
- Complete installing mechanical, electrical, plumbing, at Surface, Plaza, and Roof levels at Headhouse
- Complete construction of PCC 50 Obtain electrical power from PG&E
- Continue component and system testing
- Abandon dewatering wells on Stockton Street
- Complete traction power conduit installation and OCS at Cavern
- Reconnect isolated AWSS pipe segment along Stockton Street



Outside progress at the Chinatown station

Station Construction Progress Section

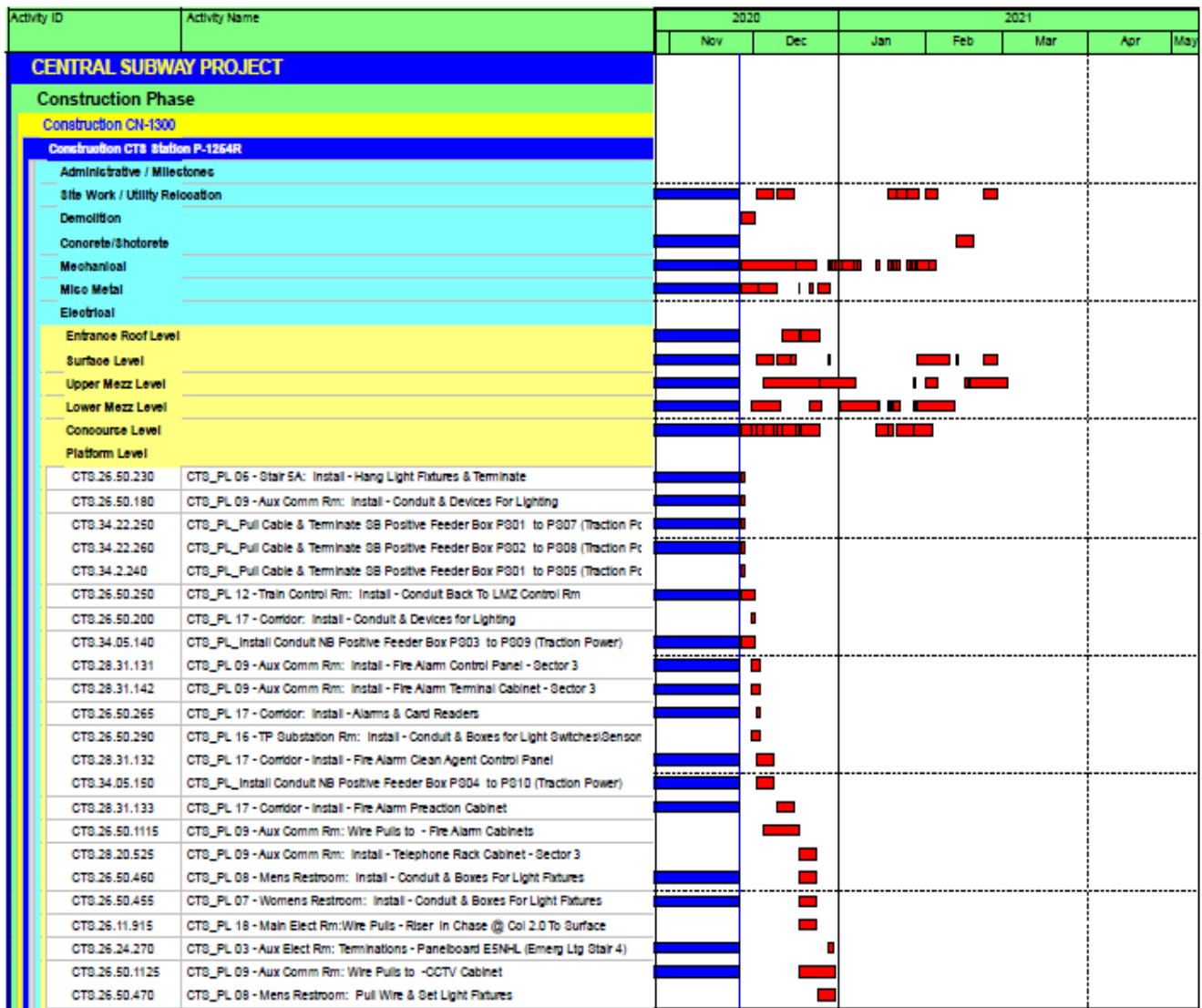


Chinatown Station Construction Status - Continued

Contract Details	
Contract Awarded:	May 21, 2013
Notice to Proceed:	June 17, 2013
Substantial Completion:	Spring 2021
Contract Award Value:	\$247,567,810
Modifications to Date (\$):	\$69,492,706
Modifications to Date (Days):	1,052
Current Contract Value:	\$317,060,516

Budget/Expenditures ▾	
Current Budget	\$269,185,704
Other Project Offset Credits	\$7,256,680
Expenditures to Date	\$297,349,185

CTS Three Month Schedule



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

Continued construction, installation and testing of the following items at -

- Started Terrazzo work at Stair #6.
- Started Installation of OCS brackets at Platform level.
- Continued Pulling fiber for SFDT Installation.
- Continued Installing Area of Refuge Fixtures.
- Continued Installation of Data, Phone at North Entrance.
- Continued working on Station Agent Booth.
- Continued Installation of Power and Data Outlets at Ellis Entrance.
- Continued Installation of Terrazzo at Stair #1.
- Continued Installation of EV-Fans in Air-Flow Sensor Wire.
- Continued Installation of the Glazed Wall System on Platform Level.
- Continued Installation of Fire Alarm BPS and Deluge System at South Electrical Room.
- Continued Installation of Crystallized Glass Panels at street level entrance and Ellis street entrance.



- Continue Installation of cables for Art-work at Concourse Level (Gizmo).
- Completed Installation of Light Fixtures throughout the station.
- Completed Installation of Radiax on all Levels.
- Completed Installation of cables for Art-work at Platform Level (Gizmo).
- Completed Installation of Precast Terrazzo threads and handrails at Stairs #1 and #2.
- Completed Installation of Crystallized Glass at the Escalator Opening.
- Completed Grinding of Terrazzo at Stair #5.
- Completed Painting Whale and Conduits at Platform level.
- Completed Installation of guard Rails near EV Dampers.
- Completed Testing of all station receptacles.
- Completed landscaping street level area at Stockton street.
- Completed Raising crystallized glass at Utility House.
- Completed Polish and grinding terrazzo at Ellis Entrance.

Union Square/Market Street Station

Contract 1300 Work Package 1253

- Completed Installation of maintenance hatch lid installed on Stockton Street

Work Expected Next Month

Continued construction, installation and testing of the following items at -

- Continue working on Station Agent Booth.
- Continue Installation of cables for Artwork at Concourse Level (Gizmo).
- Continue grinding of Terrazzo at Stair #6.
- Continue Installation of Fire Alarm and FHCs.
- Saw Cutting for Door PL 11B and PL12B at Platform Level sector 5.
- Continued Installation of OCS brackets at Platform level.
- Continued Pulling fiber for SFDT Installation.
- Continued Installing Area of Refuge Fixtures.

- Terrazzo flooring and stairs.
- Glass wall panels.
- Artwork on concourse level.
- Light fixtures and controls at Ellis Entrance.
- Fire Alarm/ PA/ Security System.
- Overhead plumbing, fire protection piping and overhead fixture and electrical.
- Frames and pressurized doors at intermediate strut level.
- Access controls.
- HVAC and EV startup and testing.
- Power and Lighting startup and testing.
- Fire Alarm /PA / Security System startup and testing.
- Permanent PG&E historic streetlights at O'Farrell and Stockton Street.
- Traffic cabinets.
- OCS Installation.
- Installation of traction conduits.

Three Month Look Ahead

Completion of the following:

- All structural concrete work.
- Stairs, elevators and escalators.
- Ceiling panels.
- Emergency lighting at tunnel tie-in on platform level.
- CCTV/Communication at tunnel tie-in on platform level.
- Station Agent Booth.
- Application of Anti-graffiti.

Continued construction / begin installation and testing of the following:

- Fireproofing.

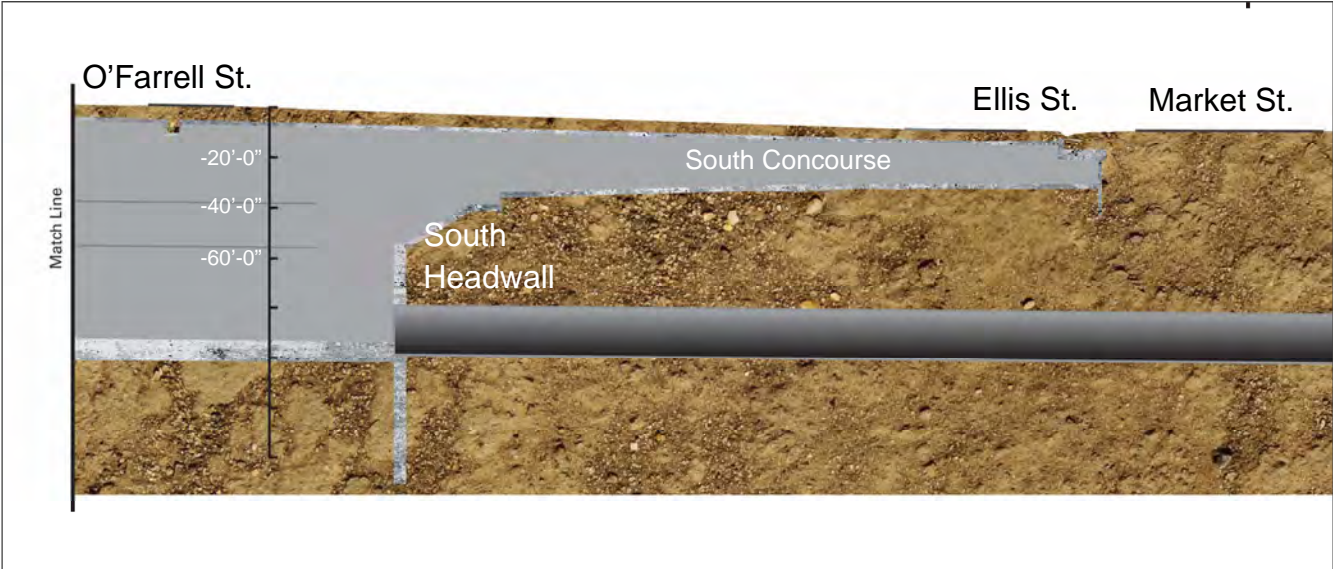
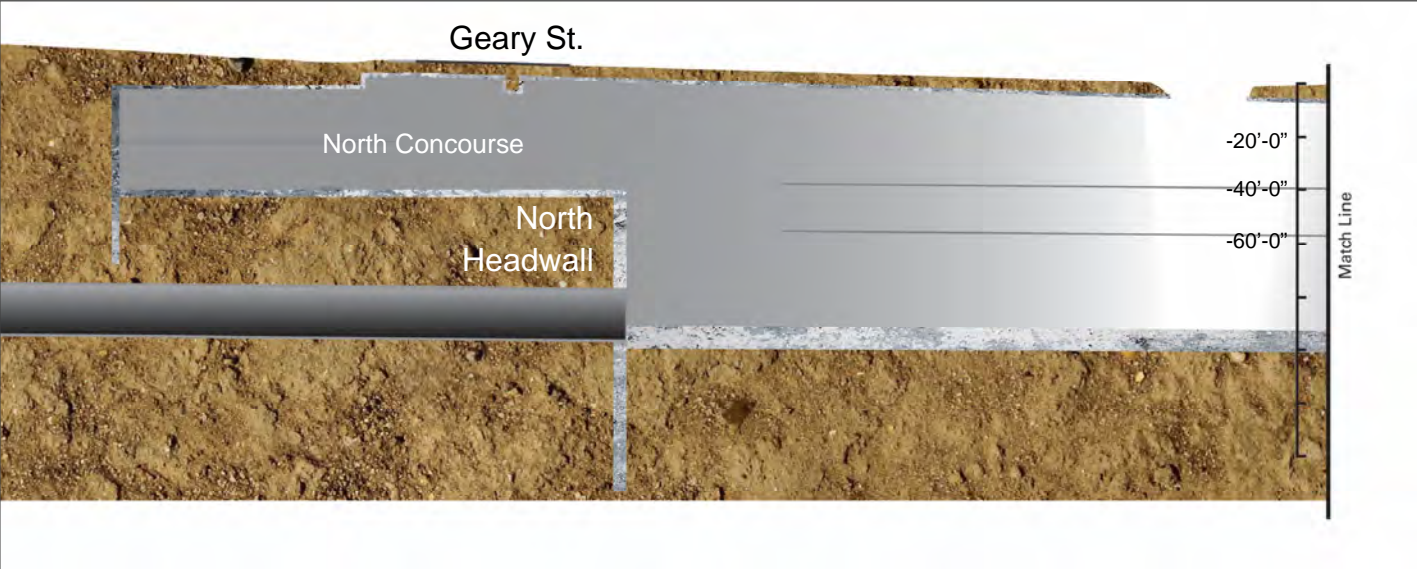


View down the concourse at Union Square Station

Station Excavation and Construction Progress Section

North

South

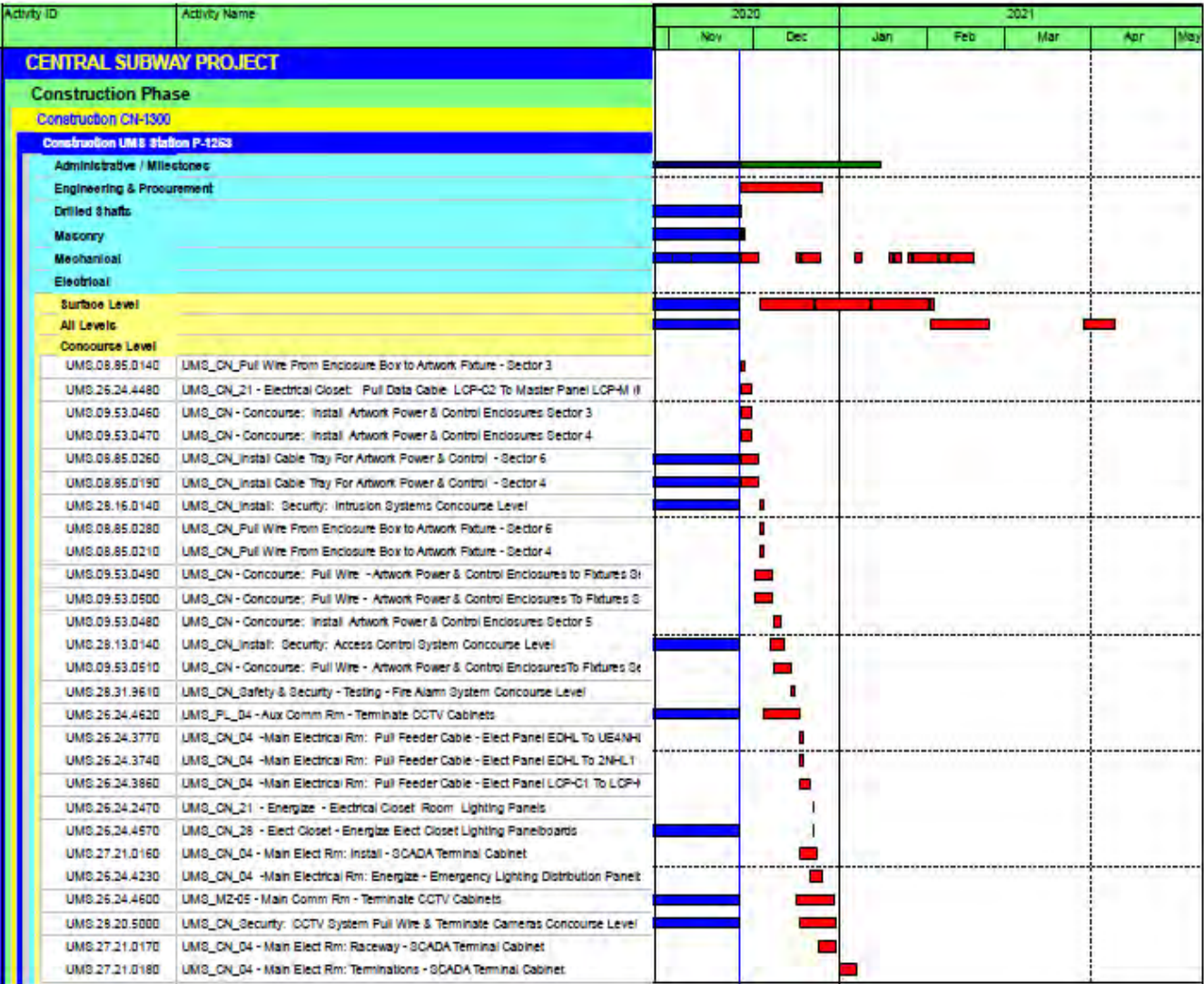


Union Square Market Street Station Construction - Continued

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 (\$):	\$28,324,362
Modifications to Date (Days):	1,052
Current Contract Value:	\$322,354,952

Budget/Expenditures ▲	
Current Budget	\$314,030,590
Expenditures to Date	\$318,057,901

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

- Completed installing Runnels at Ingress/Egress Stair 7
 - Continued Installing terrazzo steps at Ingress/Egress stair 7
 - Installed Ceiling metal panes and Coiling door grille at Headhouse roof
 - Continued installing doors and Hardware's
 - Installed benches at Platform
 - Continued interior finishes Concourse Levels within Station Box
 - Rough in Ticketing Hall Kiosk and SCADA terminations at Concourse level
 - Continued installation of Elevators and Escalators 3 and 4
 - Continued Installation of Precast pavers at Plaza area, Permanent fencing at South area, at Headhouse Surface level
 - Installed roof coping, Roof fascia, Ceiling metal panels and Installed Coiling door grille
 - Raised piping, Roughed in ceiling at Headhouse roof
 - Completed Tie conduit into tunnel conduit at the expansion joints; extended CCTV PB and telephone PBs to tunnel entry at Platform
 - Set trim and terminate devices – tested
 - Completed 99.9% CU equipment connect and testing
- 
- Continue Installation of terrazzo steps at Ingress/Egress stair 7
 - Complete installation of doors and Hardware's
 - Complete interior finishes on Mezzanine & Concourse Levels within Station Box
 - Complete Rough in FSD's and FA-Pull fire alarm wire at platform
 - Continue installation of sculpture at Surface level
 - Complete installation of Elevators and Escalators 3 and 4
 - Continue Installing Precast pavers at Plaza area, Permanent fencing at South area, at Headhouse Surface level
 - Complete Installation of roof coping, Roof fascia, Ceiling metal panels at Headhouse roof
 - Align and bolt down Traction Power gear and Install bus duct at TP room
 - Complete Platform Kiosks
 - Complete Station Agent Booth
 - Complete Surface Plaza Area

Work Expected Next Month

- Install Handrails at Ingress/Egress Stair 7,8 & 9

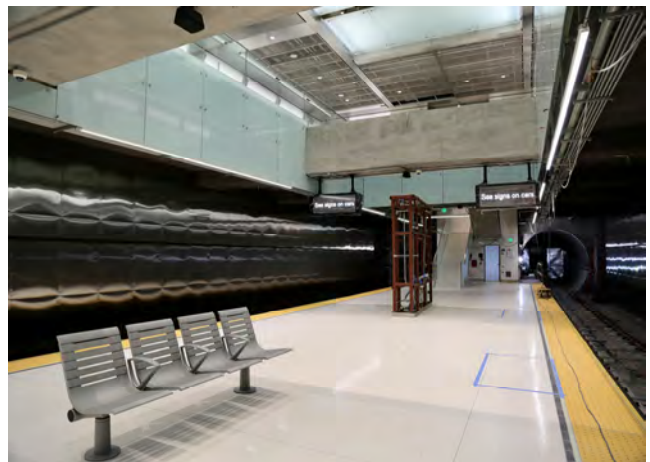
Yerba Buena/Moscone Station

Contract 1300 - Work Package 1255

- Complete Systems Start up and Acceptance testing
- AT&T – Pull in wires to all building levels. Set trim and terminate devices
- Complete FA system
- Complete Set trim and terminate devices – test
- Complete CU equipment connect and testing
- AT&T – Pull in wires to all building levels. Set trim and terminate devices
- Complete FA system
- Complete Set trim and terminate devices – test
- Complete CU equipment connect and testing

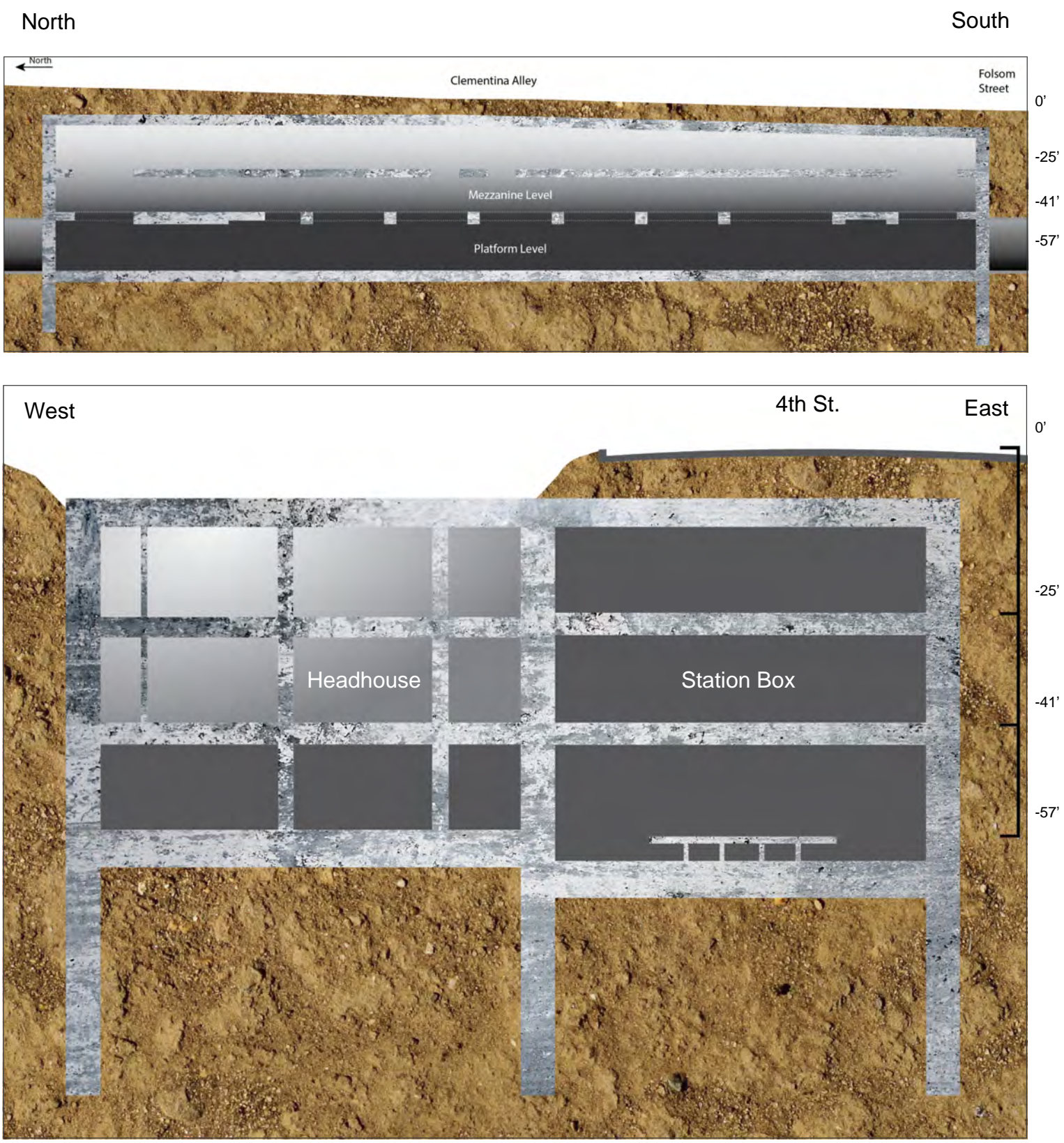
Three Month Look Ahead

- Install Handrails at Ingress/Egress Stair 7,8 & 9
- Continue Installation of terrazzo steps at Ingress/Egress stair 7
- Complete installation of doors and Hardware's
- Complete interior finishes on Mezzanine & Concourse Levels within Station Box
- Complete Rough in FSD's and FA-Pull fire alarm wire at platform
- Continue installation of sculpture at Surface level
- Complete installation of Elevators and Escalators 3 and 4
- Continue Installing Precast pavers at Plaza area, Permanent fencing at South area, at Headhouse Surface level.
- Complete Installation of roof coping, Roof fascia, Ceiling metal panels at Headhouse roof.
- Align and bolt down Traction Power gear and Install bus duct at TP room.
- Complete Platform Kiosks
- Complete Station Agent Booth
- Complete Surface Plaza Area
- Complete Systems Start up and Acceptance testing



Platform view at YBM

Station Excavation and Construction Progress Section

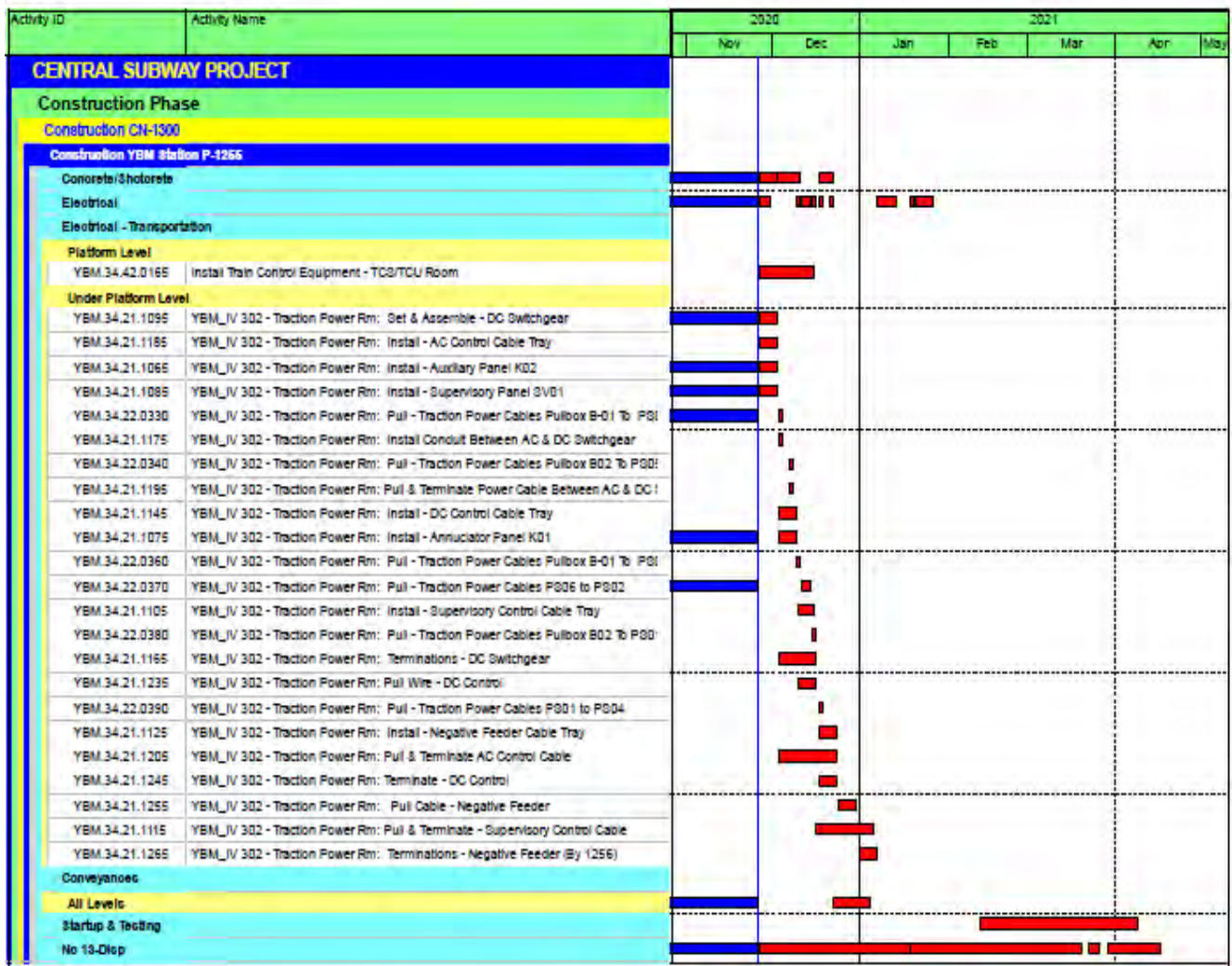


Yerba Buena Moscone Station Construction - Continued

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 (\$):	\$16,663,580
Modifications to Date (Days):	1,052
Current Contract Value:	\$174,752,580

Budget/Expenditures ▲	
Current Budget	\$173,089,000
Other Project Offset Credits	\$415,331
Expenditures to Date	\$171,733,632

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 traction power conduit and other electrical conduit installation inside tunnel for CCTV, telephone, tunnel lighting, and tunnel electrical power
- Continued traction power cable installation, terminations, and installation of cross bonds throughout the tunnel.
- Continued OCS hanger installation and installation of OCS risers throughout the tunnel
- Continued installation of ATCS and radio system
- Continued cross passage 5 sump pump installation
- Start fiber system installation

Work Expected Next Month

- Continue 4th/Brannan platform construction
- Continue surface signaling work on 4th St.
- Continue traction power conduit and other electrical conduit installation inside tunnel for CCTV, telephone, tunnel lighting, and tunnel electrical
- Continue traction power cable testing, installation and terminations
- Continue tunnel lighting, mini power, OCS hanger, ATCS, and radio system installation



- Continue fiber system installation
- Start FDC installation near 4th St. portal

Three Month Look Ahead

- Complete OCS/street light pole installation
- Continue OCS support/wire installation in tunnel and on 4th Street
- Continue 4th/Brannan platform construction
- Continue surface signaling work on 4th St.
- Continue traffic signal work on 4th St.
- Continue street lighting work on 4th St.
- Start FDC installation near 4th St. portal
- Continue electrical conduit installation inside tunnel for CCTV, telephone, tunnel lighting and tunnel electrical

Systems, Trackwork, & Surface Station

Contract 1300 - Work Package 1256

- Continue tunnel lighting, mini power, OCS hanger, ATCS, and radio system installation
- Continue pulling traction power feeder cables on surface
- Continue train case fabrication and testing for 4th/King and Bluxome Crossover
- Complete surface signaling to existing system at 4th/King
- Continue fiber system installation

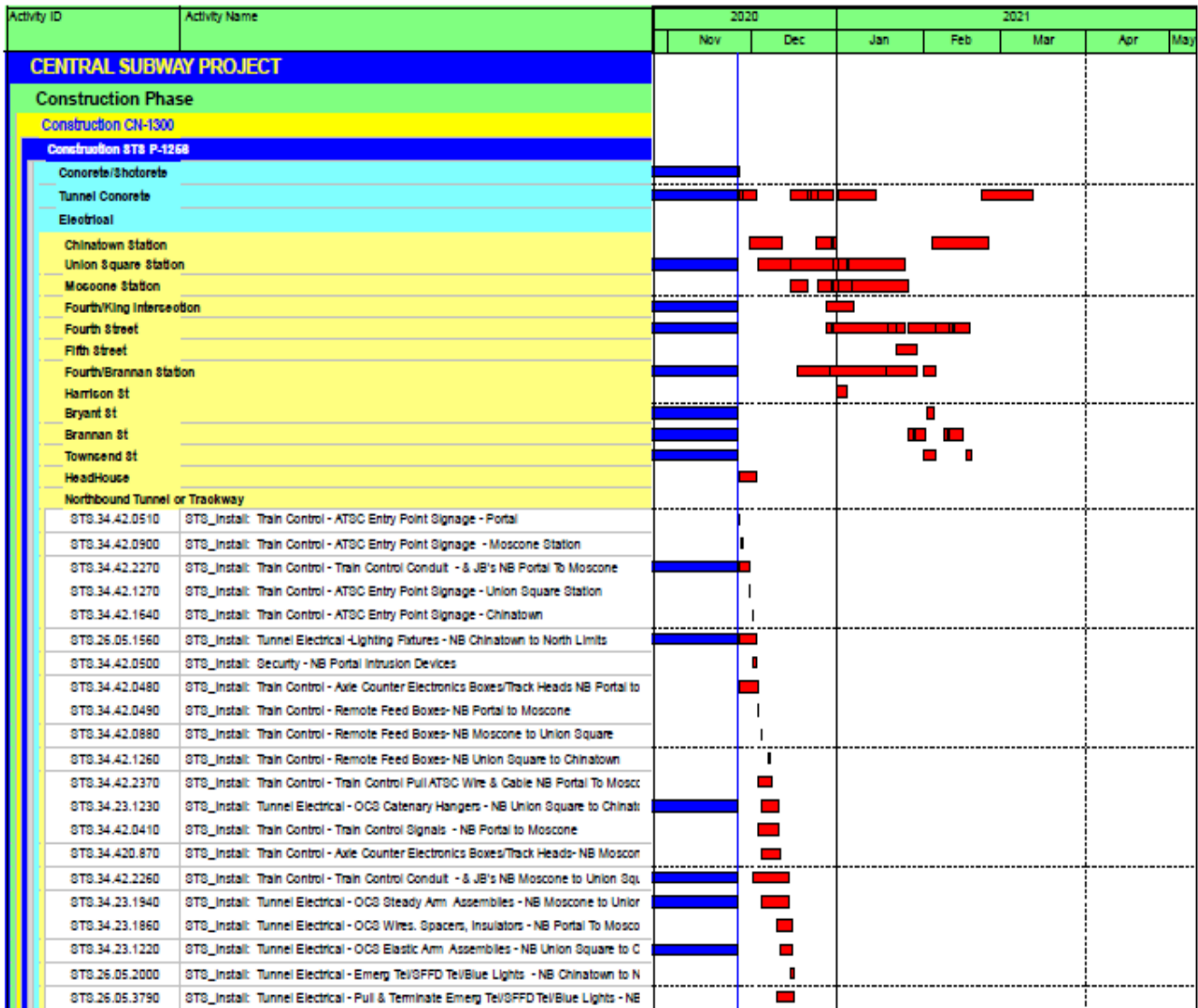


Systems, Trackwork, & Surface Station Construction - Continued

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 (\$):	\$50,764,705
Modifications to Date (Days):	1,052
Current Contract Value:	\$190,753,705

Budget/Expenditures	
Current Budget	\$173,042,502
Other Project Offset Credits	\$2,632,766
Expenditures to Date	\$189,850,400

Systems, Track and Surface Station Three Month Schedule



Program Components

Community Outreach

Outreach public information, events and presentations for November 2020 include:

- Conducted virtual Chinatown Merchants Meeting
- Conducted virtual Chinatown Station Community Meeting
- 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
11/12/2020	SFMTA Central Subway project making progress, but slowed by COVID	RT&S	David C.Lester
11/13/2020	Of Course the Central Subway Is Delayed Again, and Of Course the Pandemic Is to Blame	SFist	Jay Barmann
11/13/2020	SFMTA: COVID-19 impacts delay completion of Central Subway project	SF Examiner	Joshua Sabatini
11/15/2020	San Francisco's Central Subway delayed again, until 2022	Chronicle	Michael Cabanatuan
11/15/2020	San Francisco's Central Subway Project delayed due to pandemic complications	ABC Channel 7 KGO-TV	KGO-TV

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 Weekly Work Package Progress Meetings for STS, YBM, UMS and CTS
- 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, seven CNCRs were opened and one CNCR was closed.

- 571 CNCRS are currently posted to the CNCR Log
- 71 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 35 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
- 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
- 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 quali-

Quality Assurance - Continued

ty 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 weekly 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 took place on Tuesday, November 3, 2020. The members of the Risk Assessment Committee will review the top risk items in accordance with the risk summary sheet, which has 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-five (35) 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 will continue to follow risks and risks will be monitored 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) based on the analysis of the current risk, schedule, and cost. The program notified FTA at the last Quarterly meeting with revised FFGA and schedule. The program has completed validating the program risks and issued risk analysis as part of the request to extend the FFGA Revenue Service Date (RSD) and adjusted cost in compliance with FFGA requirements to ensure that the program has sufficient schedule and cost contingency.

Top Risks

Risk #	Risk Description	Risk Rating	Contract Location/ Phase
265	COVID-19 directly impacts progress of the work resulting in increase costs and schedule delays.	14	STA
255	Water leaks at YBM station, including water in conduits	10	YBM
251	Physical activities missing (not defined) in the schedule / identify activities of undefined scope	8	STA
257	Systems Test Integration between components does not work; fails	8	RS
205	Prolong period of CMod's creates additional cost/causes bad blood between Resident Engineer and Contractor	8	STA
253	Do not have adequate (subcontractor) resources defined to perform the work to meet schedule performance	6	STA
238	Quality Program is ineffective in processing the nonconformance items causing schedule impacts	6	STA
229	CN1300 System Acceptance Testing takes a prolonged amount of time	6	STA
230	SFMTA Commissioning Coordination (inaccurate time for coordination or participation from Muni Ops)	6	STA
261	Internal Staffing Resource Issue	6	GEN

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. While the City continues to observe restrictions from the City's Health Office, some of these restrictions have been adjusted as the conditions get worse. The Contractors have implemented a revised site Safety and security plans to incorporate various requirements of the order. Construction of the Central Subway project continues to progress and Construction Management team continues to monitor progress and to monitor the Contractor and Subcontractors compliance with the site safety plan.

The Contractor reported three additional cases in November and all quarantined personnel have followed the appropriate procedures to return to work. Of the three cases, two cases were with Fisk Subcontractor and the other case was with Abbott Subcontractor. The impacted labor forces are primarily electricians and the current total number of quarantined staff for the year is eighteen. The primary impacted trade group is the electrician trade (Fisk and Abbott). The other impacted subcontractor is BEST which is providing water sealing effort at YBM Station. 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 identified. The schedule team continues to monitor impacts to the production rate with these reported cases. The project has determined that these restrictions have impacts to the project efficiency and schedule.

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

The contractor did not submit the project safety record in November 2020. We will update the recordables in the December 2020 report.

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 to install overhead storm, sewer, water piping, refrigerant and fire sprinkler at Surface/Plaza levels.
2. At UMS, we continue to install ocs brackets, data, phone, terrazzo, fire alarm, deluge system, cables, and overhead fixtures and electrical.
3. At the YBM station, we continue to install runnels, piping, pavers, roof coping, doors and ceiling.
4. At the STS station, we continue traction power conduit and other electrical conduit installation inside the tunnel.

Program Safety & Security - continued

Project Safety Record - Contract 1300

SAFETY GOALS

Through Month End October 2020

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

JOB TO DATE	Tutor	Subs	Total Project	Rate*
OSHA Recordable Accidents	38	8	46	2.09
Job Transfer or Restricted Duty Cases	0	0	0	0.00
Lost Time Cases	10	1	11	0.50
Total Project Incidents	48	9	57	2.59
Man Hours Worked Through M/E October 2020	2,159,955	2,240,491	4,400,447	

YEAR TO DATE (Month ,Day, Year to Month, Day, Year)

	Tutor	Subs	Total Project	Rate*
OSHA Recordable Accidents	7	2	9	3.34
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 October 2020	165,465	373,913	539,378	

* 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.



Worker cutting some material to be placed

Staffing

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

	Sep-2020		Oct-2020		Nov-2020	
	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	4.65	4.80	4.65
Subtotal	22.10	19.40	22.10	19.40	22.10	19.40
Construction Management						
CM - CN 1252	0.00	0.00	0.00	0.00	0.00	0.00
CM - CN 1300	21.55	34.10	21.55	37.10	21.55	41.10
Design Support - CN 1252	0.00	0.00	0.00	0.00	0.00	0.00
Design Support - CN 1300	9.00	13.00	9.00	13.00	9.00	13.00
Subtotal	30.55	47.10	30.55	50.10	30.55	54.10
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	70.50	58.60	73.50	58.60	77.50

*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.



Elevators being worked on at CTS

central **T** subway

Current Construction Activity



Chinatown (CTS)



Union Square/Market Street (UMS)



Yerba Buena/Moscone (YBM)

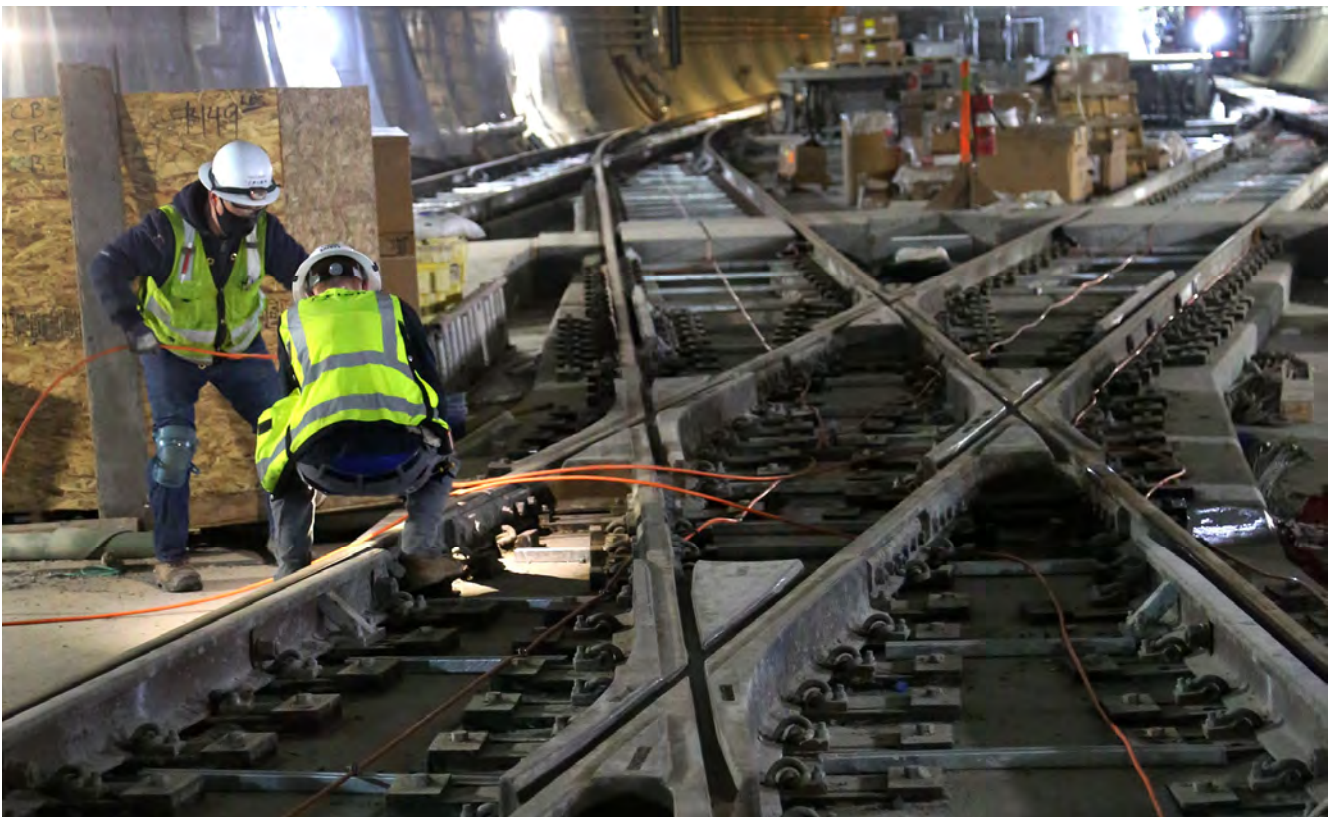


4th St. Surface Track, Systems (STS)





Electricians working on the ceiling wiring at CTS



Cable being pulled at the cross over at CTS



View of the platform at Union Square Station



Agent booth at UMS, still being worked on



Agent booth at the YBM station



View of the surface station at YBM



Crew performing street work for the surface station at 4th and Brannon



Signage on one of the surface platforms at STS

Appendix A

DETAIL COST REPORTS

*November 2020 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 \$1.665 billion in year of expenditure dollars (\$YOE). The project is working with our funding partners to address the current funding shortfall. Currently, the project estimates the Estimate at Completion (EAC) to be \$1.756B or \$177M above the original budget of \$1.578B. These revised estimates have been shared with our board. Based on the additional funding requirement, the project will continue to work with Finance and Grants to secure these additional funds which will be from several sources including the operating budget. EAC has not been finalized as additional cost related to claim settlements, contract modifications and delayed cost due to the current pandemic are identified. When the EAC is revised and the funds are identified, the team will revise the various cost sheets to reflect the revised budget and EAC along with any impacted appendix. The team anticipates that this will take several reporting cycles to adjust. The team continues to work with SFMTA Finance and Grants to book funds as they become available to the program.

Total net incurred costs for the project are \$1,674.32 million, a \$39.35 million increase over last month. The cost to date figure reflects expenditures through FAMIS 786 Report (\$1,600.88 million) plus the utilities joint trench Form B Reimbursement payment (\$12.51 million), invoices currently being processed (\$66.02 million) and estimates of outstanding pay requests (credits of \$5.06 million). The revised total project budget has is \$1.665 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 \$63,679,086 appropriated in October 2020 . 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	128	10/31/2020	\$ 411,946.36
CS155.2*	129	11/30/2020	\$ 411,946.36
CS155.3	126	9/30/2020	\$ 209,388.10
CS155.3*	127	10/31/2020	\$ 209,388.10
CS155.3*	128	11/30/2020	\$ 209,388.10

CONTRACT	PP NO	PP PERIOD TO	PROG PYMT AMOUNT
CN1300	85	10/31/2020	\$ 25,220,882.81
CN1300	86	11/30/2020	\$ 36,346,504.53
CS149	139	6/30/2020	\$ 1,466,252.17
CS149	140	7/31/2020	\$ 1,118,012.33
CS149	141	8/31/2020	\$ 1,244,148.56
CS149*	142	9/30/2020	\$ 1,520,000.00
CS149*	143	10/31/2020	\$ 1,520,000.00
CS149*	144	11/30/2020	\$ 1,320,000.00
other accruals*		11/30/2020	\$ (10,422,301.38)

* Estimated Amount \$ 60,960,165.04

2. CONTINGENCY ALLOCATIONS AND USAGE

The current Total Project Contingency is negative \$72.05 million. 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. Four dummy contract modifications were created in as holding accounts to reconcile \$27,900,000 in costs that could not be associated with bid items and/or contract modifications. Refer to Report 7.5 for approved contract modifications and potential changes.

3. BUDGET TRANSFERS

CN1300 Station did not process any contract modifications. Instead, \$20,896,645 was used from unprogrammed funds in SCC 90 to re-align a credit of \$25,431,563 from the budgets of the CN1300 stations for STS, CTS, YBM and UMS in SCC 20 category; budgets from STS and UMS of \$29,736,213 in SCC 40 category; budgets from Thales, YBM and CTS of \$9,591,995 in SCC 50 category; budgets from AECOM, Project Management and Construction Management of \$7,000,000. There is a net budget transfer of \$0 in this reporting period due to the further drill down of SCC 10-50 categories; allocated contingency is in SCC 20 category. When a contract modification is processed, the funds are drawn from allocated contingency. Refer to Report 7.7 Column C for budget transfers.

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 November 2020 Report, the Preliminary Earned Value Analysis reports is based on the SFMTA November Schedule Update. The Planned Value, Earned Value, Actual Cost, Percent Complete and resulting indexes as follows:

Preliminary November Earned Value

Overall Budgeted Cost:	\$1,664,487,192
Planned Value:	\$1,593,491,019
Earned Value:	\$1,479,768,448
Actual Cost:	\$1,674,315,804
Schedule Performance Index (SPI):	0.93
Cost Performance Index (CPI):	0.88
Percent Complete:	92.9%

SFMTA, EV Chart
NOVEMBER 30, 2020 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	06-Mar-24	92.86%	\$1,664,687,192.95	\$1,593,491,018.89	\$1,479,768,448.46	\$1,674,315,802.58	0.88	0.83
	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	\$114,018,448.80	1.01	1.00
	Real Estate	15-Apr-13 A	31-May-21	8.25%	\$16,800,000.00	\$26,385,853.00	\$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	\$37,405,895.00	\$37,405,895.00	\$30,543,064.53	1.22	1.00
	Construction Support and Costs	03-Jan-10 A	06-Jun-23	94.11%	\$1,453,126,856.00	\$1,359,581,966.32	\$1,278,587,373.80	\$1,471,282,983.00	0.87	0.94
	Construction Utility Contract #1 - MOS & Portal CN-1250	03-Jan-10 A	06-Jun-23	98.28%	\$234,764,015.00	\$199,862,848.06	\$196,420,237.32	\$219,458,065.19	0.80	0.86
	Construction Utility Contract #2 - LIMS CN-1251	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 CN-1252	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 P-1256 ATDS	08-Jun-11 A	30-Nov-20	93.05%	\$233,511,253.03	\$251,068,047.23	\$233,608,874.38	\$233,511,253.34	1.00	0.93
	Construction STS P-XXXX Radio	20-May-14 A	04-Jun-21	53.87%	\$18,036,709.00	\$18,036,709.00	\$9,716,504.32	\$8,653,218.00	1.12	0.54
	Construction CN-1800	27-Aug-19 A	04-Aug-21	0.6%	\$4,809,852.50	\$4,841,560.49	\$38,735.60	\$32,098.00	1.21	0.01
	Unallocated Contingency	03-Jun-13 A	22-Aug-21	94.6%	\$929,347,797.00	\$851,988,678.54	\$808,021,190.27	\$876,391,117.00	0.83	0.95
	Project Management	30-Nov-20	30-Mar-22	0%	\$1,001,868.80	\$9,519,456.49	\$0.00	\$0.00	0.00	0.00
		31-Mar-22	06-Mar-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.

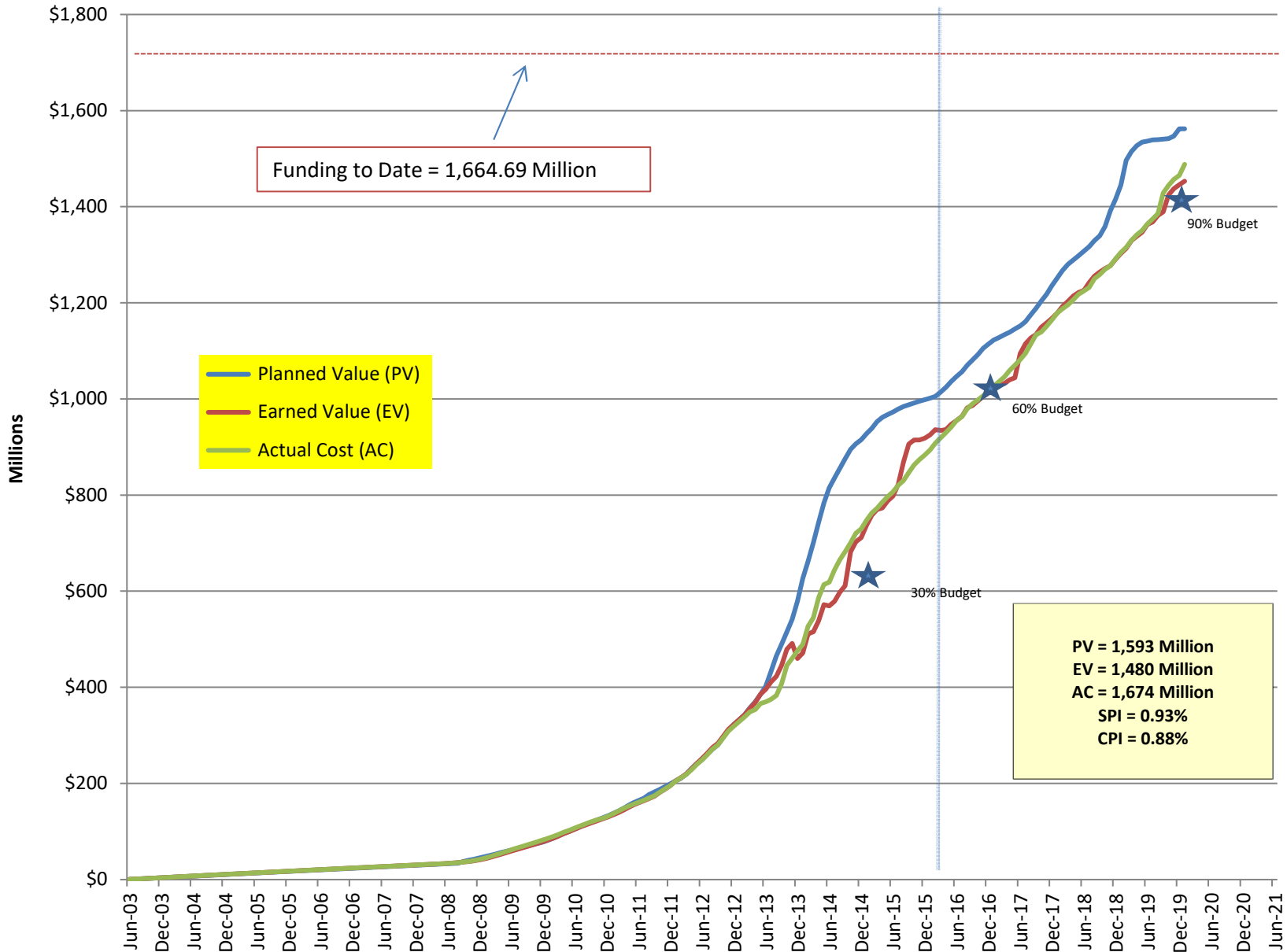
Funding Available Table		
	Funding	
	Committed Funding Sources	Total Awarded Funds to Date
Federal		
Sect. 5309-NS	\$942,200	\$942,200
Sect. 5307-OBAG	\$15,980	\$15,980
CMAQ	\$41,025	\$41,025
Federal Subtotal	\$999,205	\$999,205
State		
TCRP	\$14,000	\$14,000
State RIP	\$12,498	\$12,498
Prop. 1B (I-Bond)	\$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	\$98,957
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	\$265,440
CPT 544 Total	\$1,578,300	\$1,664,687

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	\$7,181,680	68CPT7181341	partial	yes	17a
Total:		\$31,877,289				

Earned Value Cash Flow Curve

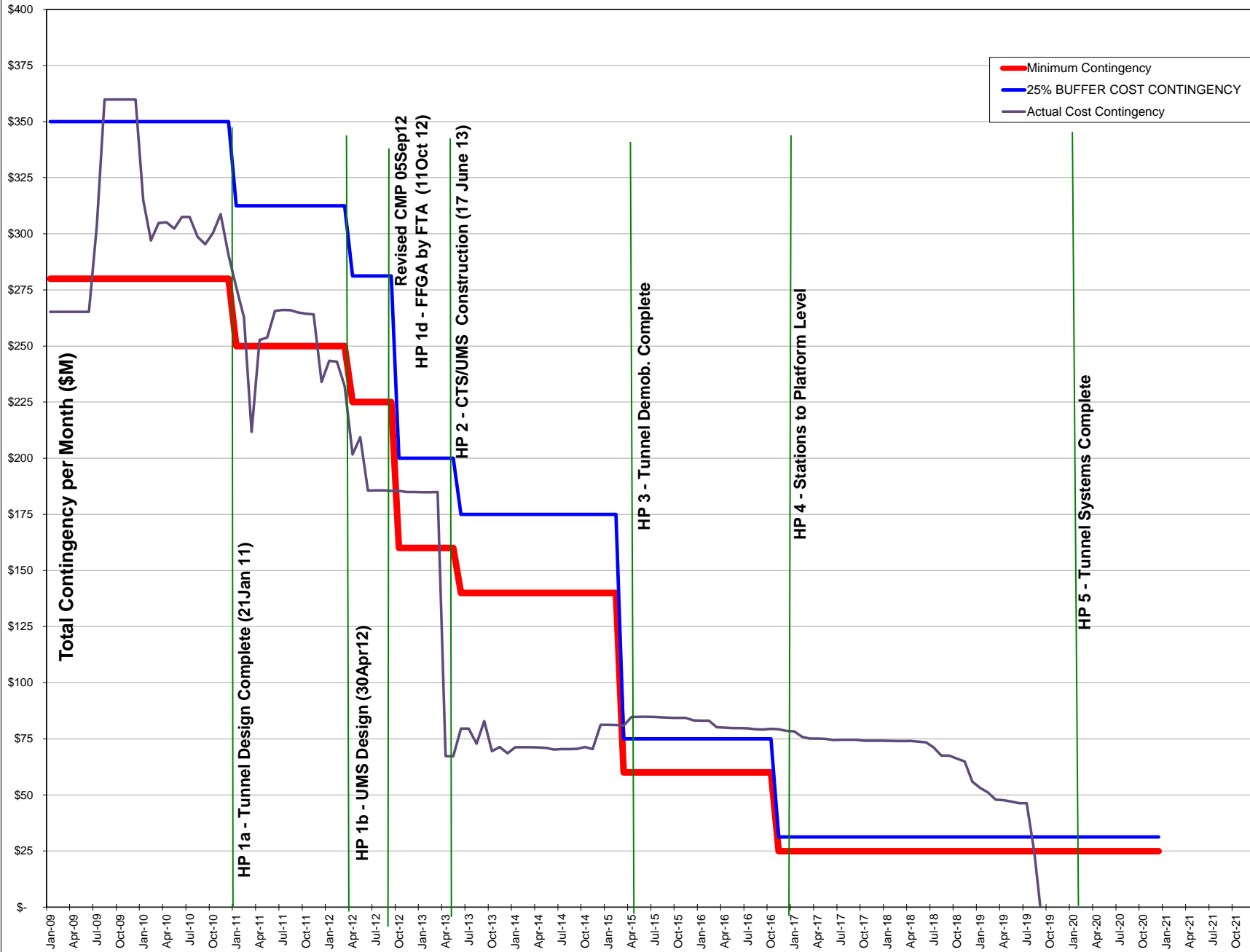


Funding to Date = 1,664.69 Million

Planned Value (PV)
Earned Value (EV)
Actual Cost (AC)

PV = 1,593 Million
EV = 1,480 Million
AC = 1,674 Million
SPI = 0.93%
CPI = 0.88%

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	h	i	j	k			
SCC 10-50 CONSTRUCTION CONTRACT PACKAGES														
1250	UTILITY RELOCATION PACKAGE #1	9,273,939	2,694,211	11,968,150		11,968,150	1,953,377	740,834	2,694,211		11,968,150		18	
	Contract 1250 Department of Technology	166,756		166,756		166,756					166,756			
1251	UTILITY RELOCATION PACKAGE #2	16,832,550	3,836,531	20,669,081		20,669,081	5,367,297	(1,530,766)	3,836,531		20,669,081		19	
	Contract 1251 Department of Technology	75,615		75,615		75,615					75,615			
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	839,676,400	165,245,354	1,004,921,754	19,853,016	1,024,774,770	20,000,000	31,617,894	89,671,396	(75,573,958)	(95,426,974)	(95,426,974)	21	
	1253 UNION SQUARE/MARKET ST STATION [UMS]	294,030,590	28,324,362	322,354,952	5,462,007	327,816,959	5,000,000	15,000,000	20,000,000	(8,324,362)	(13,786,369)	(13,786,369)		
	1254 CHINA TOWN STATION [CTS]	247,567,810	69,492,706	317,060,516	6,124,629	323,185,146	5,000,000	16,617,894	21,617,894	(47,874,812)	(53,999,442)	(53,999,442)	22	
	1255 YERBA BUENA/ MOSCONE STATION [YBM]	158,089,000	16,663,580	174,752,580	3,071,064	177,823,644	5,000,000	10,000,000	15,000,000	(1,663,580)	(4,734,644)	(4,734,644)		
	1256 SURFACE TRACKWORK & SYSTEMS [STS]	139,989,000	50,764,705	190,753,705	5,195,316	195,949,021	5,000,000	46,090,211	33,053,502	(17,711,203)	(22,906,519)	(22,906,519)		
OTHER		39,923,508	23,938,659	63,862,167		63,862,167	1,160,000	1,060,000	25,098,659	1,160,000	1,160,000	65,022,167	1,160,000	23
	SCC 10 - 50 Construction Sub-total	1,139,532,783	195,641,993	1,335,174,776	19,853,016	1,355,027,792	52,139,137	8,156,736	121,228,034	(74,413,958)	(94,266,974)	1,260,760,817	(94,266,974)	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	(2,276,941)	0	0	0	16,800,000	0	26
80	PROFESSIONAL SERVICES	310,518,041	41,105,077	351,623,118		351,623,118	18,221,079	(16,862,657)	1,358,422	1,358,422	1,358,422	352,981,540	1,358,422	26a
	SCC 60 - 80 Construction Sub-total	371,138,552	29,530,887	400,669,439	0	400,669,439	21,498,020	(20,139,598)	1,358,422	1,358,422	1,358,422	402,027,861	1,358,422	
SCC 90	UNALLOCATED CONTINGENCY						3,845,945	(2,844,076)	1,001,869	1,001,869	1,001,869	1,001,869	1,001,869	27
TOTAL		1,510,671,335	225,172,880	1,735,844,215	19,853,016	1,755,697,231	77,483,102	(14,826,938)	123,588,325	(72,053,667)	(72,053,667)	1,663,790,547	(91,906,684)	
												Total Project Budget	1,664,687,192	28
												Estimate At Completion	1,755,697,231	29
												Variance	(91,906,684)	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
Substantial Completion

839,676,400
Spring 2021

\$1,004,921,754
Spring 2021

	UMS	CTS	YBM	STS	COST REPORT NOTES
Potential Changes	5,462,007	6,124,629	3,071,064	5,195,316	31
Change Order - Pending					
CTS COR 1624 Changes Concrete Beam		2,604			
CTS COR 1714 Install Bent Pipe		2,757			
CTS COR 1742 DSC/Notice of Delay Ex		0			
CTS COR 1889 Redesign of AWSS at Wa		76,466			
CTS COR 2014 Routing of Fire Protec		13,786			
CTS COR 2031 FP Mount Det Below Esc		23,535			
CTS COR 2050 Grating at PlatformLvl		4,351			
CTS COR 2071 PCC 050 Stair Tread Re		0			
CTS COR 2141 Light Fixture Mounting		45,529			
CTS COR 2176 Additional Glass Sampl		459			
CTS COR 2192 SFFD Emerg Command Pos		1,529			
CTS COR 2210 Missing Grnd Grid Wire		48,606			
CTS COR 2233 Stainless Steel Light		8,354			
CTS COR 2251 2" PVC Casings Con		0			
CTS COR 2262 DSC Potent Contam Soil		0			
CTS COR 2282 Underplatform Trolley		0			
CTS COR 2300 Extruded Alum Shelf		0			
CTS COR 2303 Cncl of SFWD AWSS Prs		(40,000)			
CTS COR 2304 Surface Changes to F3		0			
CTS COR 2306 Pavers PCC 50		117,231			
CTS PCC 119 Pltform Lvl Wall Art In		9,991			
CTS PCC 207 SEM Sequencing Changes		0			
CTS PCC 493 CMU Walls		27,923			
CTS PCC 613 Beam Connection Details		1,872			
CTS PCC 619 Platform Level Door Mod		7,695			
CTS PCC 630 Rev 1 EOP Framing Rev		53,150			
CTS PCC 641 Fire Rated Enclosure		36,340			
CTS PCC 659 Slab Ext. & Steel Beam		18,519			
CTS PCC 662 GFRC-Z Channel Revision		202,500			
CTS PCC 664 Finish for LMZ01&PL09		9,000			
CTS PCC 665 Framing at Box Struts		146,075			
CTS PCC 667 Finish for room PL18		3,622			
CTS PCC 669Rev 1 Esc 1&2 RC Rm Wall		52,509			
CTS PCC 670 Rev.1 Stair #5 landing		61,940			
CTS PCC 674 Routing Drainpipe		8,791			

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount
Substantial Completion

839,676,400
Spring 2021

\$1,004,921,754
Spring 2021

	UMS	CTS	YBM	STS	COST REPORT NOTES
CTS PCC 675 Underplatform Lvl Door		6,605			
CTS PCC 676 Elevator Louver Size		5,000			
CTS PCC 680 Slab tie in details_		28,174			
CTS PCC 682 Concrete header at GL 8		5,212			
CTS PCC 685 GFRC Panel conn details		21,012			
CTS PCC 687 Rev1 Door Size CN 03A/B		347,307			
CTS PCC 689 Curb to Beam Conn.		21,237			
CTS PCC 690 Waterplug in MER		4,607			
CTS PCC 691 HSS & PL Conn Rev		590			
CTS PCC 696 Slab Opening		60,323			
CTS PCC 706 Relocate CMU Wall		0			
CTS PCC 707 Elevator Shunt Trip		(3,163)			
CTS PCC 712 Stair 4 CMU Wall		6,433			
CTS PCC 713 Shoring for Ret Wal GL		12,580			
CTS PCC 717 Abandon Drain Holes		1,003			
CTS PCC 718 West Wall Along GL A		65,972			
CTS PCC 720 Curb at GL C, D & 8		74,517			
CTS PCC 728 Restroom Wall at Surf		214			
CTS PCC 731 Surface Lvl Column Embe		48,290			
CTS PCC 732 Esc Pit & GFRC Conflict		4,032			
CTS PCC 742 Curb Details for Gate		87,480			
CTS PCC 745 Rev1 Trench Drain Detai		6,330			
CTS PCC 747 Wall Mount T-10		1,144			
CTS PCC 749R 1 Door Swing LMZ03A		11,259			
CTS PCC 750 Add FSD & Rev Airflow R		3,874			
CTS PCC 754 Reloc ECR Devices & Con		9,697			
CTS PCC 760 Elev 1&2 and MEP confli		53,750			
CTS PCC 763 GFRC Z- Channel Rev		78,697			
CTS PCC 765 RC Equip Esc 1 to 6		4,941			
CTS PCC 766 New PGE Feeder Cables		200,000			
CTS PCC 767 Reinf for Ramps Curb		6,433			
CTS PCC 771 Rev HSS for UMZ 10B		7,196			
CTS PCC 772 Fire Spklr Drain Tie in		41,673			
CTS PCC 774 Tomie Arai Artwork Supp		108,775			
CTS PCC 777 GFRC Panels at CN09A		6,683			
CTS PCC 778 GFRC Supp Framing		48,112			
CTS PCC 780 GFRC&TP Conduit Conflic		36,112			
CTS PCC 781 Floor Drain		3,807			

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	UMS	CTS	YBM	STS	COST REPORT NOTES
CTS PCC 783 Revised AWSS		38,923			
CTS PCC 785 Spec for Gate at Plz		16,681			
CTS PCC 786 Grating Reloc & Supp		5,621			
CTS PCC 787 SV-1 Cabinet Anchorage		1,879			
CTS PCC 789 Hose Bib Revision		6,593			
CTS PCC 792 Lighting Conf at Stair7		4,789			
CTS PCC 796 Grating at Plz Lvl		20,276			
CTS PCC 797 GFRC Cut at Terraz Base		2,524			
CTS PCC 799 Soffit Details at SU13		2,789			
CTS PCC 800 Grating at GL 7 Plz Lvl		1,812			
CTS PCC 801 Bench Reinf at Surf Lvl		1,499			
CTS PCC 806 Door MPZ02A Rev		3,025			
CTS PCC 809 GFRC Confl at Elv 4		24,236			
CTS PCC 810 Relocate GL 6/A Wall		1,708			
CTS PCC 812 MEP Supp Details Rev		9,028			
CTS PCC 814 H Beam Lateral Supp		105,000			
CTS PCC 818 H Beam at SAB Rev		3,688			
CTS PCC 820 Esac Side & Soffit Clad		25,924			
CTS PCC 821 Unforeseen Comcast Line		10,000			
CTS PCC 823 Plaza Concrete Curb Rev		13,681			
CTS PCC 826 Swr Ln MH Sldg&Sat Soil		15,000			
CTS PCC 830 Hatch and Ladder Rev		500			
CTS PCC 833 HVAC Fire Rated Enclosu		154,088			
CTS PCC 834 Paint for Sprink Pipes		27,442			
CTS PCC 837 Trellis Rev for Conduit		1,836			
CTS PCC 838 Adjustement to GFRC Pnl		15,111			
CTS PCC 840 Upsize Vent Pipe		30,942			
CTS PCC 844 Add Reinf to Roof Parap		23,253			
CTS PCC 845 Add Fire rated Soffit		25,000			
CTS PCC 851 Stair Config Rev		7,799			
CTS PCC 858 Rev Stair 6 at Surf Lvl		2,935			
CTS PCC 861 Add Soffit for Conduits		5,105			
CTS PCC 864 CTS Fiber Splice Cab		1,500			
CTS PCC 871 Add Protection Board		15,000			
CTS PCC 874 Glass Fin Details Rev		25,000			
CTS PCC 875 Roof GlS & Art Supp Rev		0			
CTS PCC 878 Stair 5 Elevation Confl		17,881			
CTS PCC 880 Parapet Material Rev		10,000			

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	UMS	CTS	YBM	STS	COST REPORT NOTES
CTS PCC 884 Add HSS at TVM		10,000			
CTS PCC 885 Rev to Catwalk Ladder		10,000			
CTS PCC 886 OH Door SU02A Rev		10,000			
CTS PCC 887 Potholing for 8" Water		2,500			
CTS PCC 888 Added GFRC at East UMZ		15,000			
CTS PCC 891 Stair Rail Rev at Plz		20,000			
CTS PCC 895 Fire extin&Tele Ph Cab		5,000			
CTS PCC 896 Light Fixture Rev		13,000			
CTS PCC 897 Slab at Stair 6 Land 25		10,000			
CTS PCC 909 Add lights in Stair 5		46,155			
CTS PCC258 Start PCN before Com PCS		0			
CTS PCC661 Revise PL15B Door Swing		4,653			
CTS PCC663 Reduce Door RF01A Height		184			
CTS PCC715 HSS Support at Esc 1 & 2		2,766			
CTS PCC746 GFRC Framing Support		3,613			
CTS PCC793 Artwall Sury Report CC-C		1,959			
GEN COR 2116 SFMTA Prtrctd Rvw Fsk				0	
Job Readiness - CTS		(195,000)			
Job Readiness - STS				(70,000)	
Job Readiness - UMS	(195,000)				
Job Readiness - YBM			(70,000)		
PCC 575 CTS Emergency Command		35,316			
PCC 828 CTS BM Penetration for Pipe		9,328			
STS 2256 Elev Esc Lift-Net O&M Sub				0	
STS COR 1251 Shal Utl Trak Slab				65,000	
STS COR 1268 FH Install NE 4th Brya				2,486	
STS COR 1276 Install Culvert 4th Br				(5,306)	
STS COR 1320 Accel Sewer Work				15,000	
STS COR 1445 Unkwn Fiber Pave Reno				6,000	
STS COR 1446 PGE Vault Pave Reno				150	
STS COR 1510 Sta Canopy Column Slee				2,501	
STS COR 1562 Curved Unistruts				144,542	
STS COR 1615 Public Safety Comms				1	
STS COR 1622 Exist Pull Box Ramp				6,341	
STS COR 1634 Sewer Confl Light Pole				1,000	
STS COR 1700 Reject O&M Submittals				15,000	
STS COR 1789 Utility Conflicts w/WD				5,513	
STS COR 1816 Trackway Info for PAV				0	

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	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 1874 PAV Headend Train Mvmt				0	
STS COR 1876 OCC Facility Sys Cutov				0	
STS COR 2068 STS Signage Product Da				0	
STS COR 2094 Conduit Conflict at Mo				0	
STS COR 2129 Confirm Revised Routin				0	
STS COR 2145 Notice of Delay				0	
STS COR 2152 Cancellation of 4th &				5,253	
STS COR 2189 Mortar Bed for Accent				0	
STS COR 220 DSC Relocate MRY DB&Vlt				0	
STS COR 2209 Emergency Ventilation				0	
STS COR 2219 IP Add for FSS & EV S				0	
STS COR 2232 Power circuits for SCA				0	
STS COR 2237 4th and King St Track				7,500	
STS COR 2247 4th & King St Track Ti				30,000	
STS COR 2263 Tunnel Inserts for Rad				0	
STS COR 2266 Escalator Ultra violet				0	
STS COR 2289 Improper Rej DMI O&M T				0	
STS COR 2308 Confirm Radio Antenna				0	
STS COR 2322 Material Type for DBI-				0	
STS COR 2342 Installation of OCS De				15,000	
STS COR 2343 Emergency Ventilation				0	
STS COR 2370 CTF Rack Termination D				7,500	
STS COR 406 Addtl TC at 4th/King				200,760	
STS COR 633 Lighting Arrrests Signal				(5,656)	
STS COR 682 Shtdown #1 Rail Mods				4,661	
STS COR 737 Dct Bnk infc w AT&T Rem				1,001	
STS COR 865 Sd Swr Mnhl & 15" Sw Ln				193	
STS COR 890 Ex Pll Box Incon Crb Rm				1,500	
STS COR 909 PGE Gas Interruption				29,350	
STS COR#2220 FSS System Programming				0	
STS PCC 406 OCS Changes on Townsend				26,945	
STS PCC 531 Install 2 Each - 4" PVC				9,314	
STS PCC 533 EV System Mode Table Ch				10,000	
STS PCC 618 Mod Swoosh Arm P1 P2				4,705	
STS PCC 633 Addl Trffc Ctrl Dev DT				29,952	
STS PCC 672 Dlt Spare & Fiber Rack				(15,208)	
STS PCC 683 Bluxome VPI and Traffic				330,598	
STS PCC 688 OCS & SL Revisions				(50,000)	

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	UMS	CTS	YBM	STS	COST REPORT NOTES
STS PCC 694 Modify 4th King Route				0	
STS PCC 695 Train Track Comp Cost				712,572	
STS PCC 699 Fiber Optic Cables				116,170	
STS PCC 700 Repair Sidewalk Lightin				11,344	
STS PCC 741 PA PDS Accpetance Chang				60,831	
STS PCC 779 4th King Route Aspect T				47,500	
STS PCC 794 Windscreen Base Plate				30,265	
STS PCC 803 Add COVID Monitoring				71,769	
STS PCC 804 Added TPC SCADA Points				15,000	
STS PCC 807 Cross Passage Door Fram				19,432	
STS PCC 811 Relocation of MPCs				9,500	
STS PCC 813 ATCS Changes Lenox CESB				48,246	
STS PCC 815 Radio System Revisions				52,844	
STS PCC 819 Add Changes 4th King				25,000	
STS PCC 831 ATCS Equipment Transpor				24,925	
STS PCC 835 PDS Sign Support at CTS				1,500	
STS PCC 836 EV Fan Control Panel				17,424	
STS PCC 852 ATCS Wayside Conflicts				187,543	
STS PCC 860 ATCS Loop Changes				7,394	
STS PCC 868 TP Conduit Transition				2,500	
STS PCC 881 Relocate Rail Counters				105,679	
STS PCC 882 Modify ATCS at YBM				17,500	
STS PCC 883 Gas Line and 230kV Dele				(100,000)	
STS PCC 894 Catch Basin Change				(17,500)	
STS PCC 903 ATCS Cable Mgmt TEFZEL				6,500	
STS PCC 907 ATCS Portal Loop Confli				20,000	
STS PCC 908 Additional Radio Work				82,500	
STS PCC 913 4th Brannan Water Meter				7,500	
UMC PCC 841 Damper Opening Curb Con	9,326				
UMS 482 Elev 3&4 Machine Bm Support	30,361				
UMS COR 1040 Relcate Lw Pressure FH	2,363				
UMS COR 1460 Removal of CB on UD302	343				
UMS COR 1479 Incorr Sewer Laterals	538				
UMS COR 1583 Absent HSS in ST DWG	149,380				
UMS COR 1653 Rustic Terrazzo Sidewa	21,710				
UMS COR 1967 Water Testing	591				
UMS COR 1975 EV Fan Control Panel 1	13,484				

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	UMS	CTS	YBM	STS	COST REPORT NOTES
UMS COR 1989 Kiosk Bases	8,181				
UMS COR 2015 Field Modifications at	10,625				
UMS COR 2088 Debris in MRY Ductbank	9,404				
UMS COR 2147 Confirm Door Changes	1,543				
UMS COR 2239 Inst Dtls for New Elec	12,425				
UMS COR 2244 Elevator Delivery Acce	21,418				
UMS COR 2296 Stair 4 Opening Dimens	0				
UMS PCC 263R1 LED artwork	393,571				
UMS PCC 394 Mezz. Corridor and Beam	269,886				
UMS PCC 398 Escalator Equip. Rooms	34,208				
UMS PCC 561 Add Struts for Curved M	450,000				
UMS PCC 622 Install Steel Plate	14,704				
UMS PCC 624 Rnfrcd Cncrt Pad FH Cbn	155,919				
UMS PCC 629 Hardware Change in Door	2,344				
UMS PCC 631 R1 Revise FSD Size	0				
UMS PCC 644 Instll 42" Grd Barrier	22,281				
UMS PCC 646 LED Light & Ceiling Pan	82,190				
UMS PCC 650 Install SFMTA DT Cndts	83,254				
UMS PCC 654 Install Neutral Wire	10,320				
UMS PCC 655 Door Framing Revisions	27,845				
UMS PCC 657 Relocate TP Conduits	109,422				
UMS PCC 660 Increase Depth of Wall	3,523				
UMS PCC 666 Restore Eyebolt for OCS	31,038				
UMS PCC 679 Reloc Duct Pnetrtn Loc	2,764				
UMS PCC 681 Revisions to Vent Shaft	41,356				
UMS PCC 686 Revise Precast Bench D	14,184				
UMS PCC 692 Elevator 3&4 Code Requi	25,683				
UMS PCC 697 Instll Sump Pit Cvr	3,246				
UMS PCC 701 Rmv Paint App Veneer PI	18,876				
UMS PCC 704 Del of Shunt Trip Devic	(13,656)				
UMS PCC 709 Below Steel at Escalato	2,236				
UMS PCC 714 Fill Gap Btwn Esc & Sta	8,709				
UMS PCC 724 Stainless Steel Handrai	7,428				
UMS PCC 726 Install Seismic Bracing	19,802				
UMS PCC 729 Waterproofing for Roof	9,686				
UMS PCC 737 Metal Stud Size Elv 1&2	3,370				
UMS PCC 738 Pwr Req&Loc for Water H	3,581				
UMS PCC 751 Patch Panels and Rack S	5,258				

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	UMS	CTS	YBM	STS	COST REPORT NOTES
UMS PCC 756 Furnish Pendant Mount S	3,152				
UMS PCC 758 Dir for Powell Sta Inst	20,232				
UMS PCC 761 Strength Details for CM	73,923				
UMS PCC 762 Relocate Pltfrm Tractio	135,225				
UMS PCC 768 Revise CCTV Mounting He	1,126				
UMS PCC 791 Ad Sprkr Heads	11,535				
UMS PCC 829 Side Cladding Backing	113,723				
UMS PCC 839 Apply Paint on Struts	37,777				
UMS PCC 842 Relocate Supply Fans at	16,972				
UMS PCC 855 Escalator Gaps Stair 6	4,718				
UMS PCC 865 Instl Fibre Splic Cbnts	1,641				
UMS PCC 890 Wtrprf Mtnce Htch	2,787				
UMS PCC 892 Install Metal Fascia	2,500				
UMS PCC 899 Remove Duct Dectectors	21,156				
UMS PCC 912 Install HSS & Pwr Rqmnt	5,000				
YBM COR 1693 Traffic Cancellation f			4,554		
YBM COR 1906 Best Construction Dela			891,792		
YBM COR 2065 Added Cladding to Esca			0		
YBM COR 2083 HM Door Hardware Exit			6,670		
YBM COR 2107 Allowance for TC Reimb			0		
YBM COR 2123 Removal of Door Coordi			3,326		
YBM COR 2155 Trac Pwr Sec Sys Oper			0		
YBM COR 2167 Metail Wall Details			10,960		
YBM COR 2221 Install Light Trim Gri			30,648		
YBM COR 2229 Concrete Wall and Elev			0		
YBM COR 2257 Missing Existing OCS w			0		
YBM COR 2294 Changes to Unit Pavers			0		
YBM COR 2317 Surface Level SF Arts			0		
YBM COR 2318 SS Wall Rail Bracket C			34,562		
YBM COR 2329 Feeder P-T10-1 EP & TP			17,898		
YBM COR 2332 Heat Recovery Pump Con			13,490		
YBM COR 2333 Ledger Angle at Concre			4,147		
YBM COR 2338 Mezzanine Level Sector			0		
YBM COR 2351 Finish Requirement for			0		
YBM COR 915 Escala. 1-4 HVAC change			3,000		
YBM PCC 496 Curp Ramp NW Corner Haw			14,586		
YBM PCC 541 Close Opng Door CN324			7,780		
YBM PCC 599 Dltm of Metal Ceililing			(25,097)		

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	UMS	CTS	YBM	STS	COST REPORT NOTES
YBM PCC 59R Pavers Basis of Design			52,569		
YBM PCC 634 Stair 2 Revisions			2,398		
YBM PCC 638 Runnel gap at Escalator			25,000		
YBM PCC 642 Install Drainage Str 3			8,729		
YBM PCC 645 Misc Elctrcl Revision			16,828		
YBM PCC 647 Size Chng for Invert Dr			12,131		
YBM PCC 658 Accommodation Light Fix			46,709		
YBM PCC 673 Various Canopy Changes			16,976		
YBM PCC 677 Replace CCTV Terminatio			3,467		
YBM PCC 678 CMU Wall Under Elv Pit			24,318		
YBM PCC 708 Elev Con Rm Sprinklers			14,210		
YBM PCC 711 Coil Insert Lifting Soc			4,657		
YBM PCC 721 Shunt Trip Switches Rev			61		
YBM PCC 722 EV Fan Instrument Panel			345,106		
YBM PCC 723 Ceiling Diffusers in LR			15,090		
YBM PCC 740 GFCI receptacles at Esc			12,699		
YBM PCC 744 Stainless Steel Angles			1,273		
YBM PCC 748 Added FSDs in Sector 3			11,875		
YBM PCC 753 Condenser Disconnect Mo			11,187		
YBM PCC 757 Closing of MZ201 Wall G			2,111		
YBM PCC 759 F8 Light Fixture St 2			6,500		
YBM PCC 769 Ceiling in Esc 3&4 Mach			0		
YBM PCC 770 Revised Wall Panels			23,173		
YBM PCC 784 Eqpmnt Feeder Elct Conf			29,123		
YBM PCC 798 HVAC to PL207 and PL209			8,329		
YBM PCC 805 Eye Wash Sta Crrsn Inhi			28,025		
YBM PCC 817 Revise Spindle Length			5,570		
YBM PCC 82 Delete Scope Due to Hote			(10,000)		
YBM PCC 824 Station Signage Revise			5,000		
YBM PCC 825 Rlct S Wall Pnls & Inst			35,153		
YBM PCC 827 Esc Cladding Mtrl Type			126,873		
YBM PCC 862 Canopy Penetrations			20,000		
YBM PCC 866 Install Fiber Cabinet			(2,500)		
YBM PCC 869 Chngs in Area of RollUp			0		
YBM PCC 870 Esc Machine Rm Receptac			0		
YBM PCC 872 Concourse Ticketing Hal			10,000		
YBM PCC 893 Install Gate Relocate P			1,000		
YBM PCC 898 Elevator 3 Frame Gap Cl			20,000		

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	UMS	CTS	YBM	STS	COST REPORT NOTES
YBM PCC 905 Remove Duct Detectors			25,000		
YBM PCC 916 Revisions to IV302			500,000		
Change Order Request (COR)					
CTS COR 1042 SFWD Delay		886			
CTS COR 1704 GEN Failure of Timely		0			
CTS COR 1710 3 Added Labeling for D		0			
CTS COR 1760 Flat Jack System		0			
CTS COR 1781 Flooring Sealer		0			
CTS COR 1932 Plmbing Pipes at Stair		0			
CTS COR 1966 Add'l Revision to Elev		1,978			
CTS COR 2009 Fire Prtctn Pipe Routi		0			
CTS COR 2047 Air Transfer Balance		0			
CTS COR 2058 Cntrct Dsgn Cmpln T24		0			
CTS COR 2165 Rebar at Stair 7 Slab		3,710			
CTS COR 2166 Layer of Rebar to CC A		7,562			
CTS COR 2177 GFRC-1 Support Frame C		0			
CTS COR 2190 GL 6 Column & Wall		3,042			
CTS COR 2193 Top Guide Roller Syste		0			
CTS COR 2206 Plaza Lvl Switchboards		0			
CTS COR 2285 Water Leaks in Headhou		0			
CTS COR 2298 Revised Framing Plaza		0			
CTS COR 2300 Extruded Alum Shelf		0			
CTS COR 2309 C Level S 2 Fire Prot.		0			
CTS COR 2312 Gaps at Doors SU01A &		0			
CTS COR 2326 Plaza Level Stair Rail		0			
CTS COR 2327 Ceiling Layout Confl		0			
CTS COR 2328 Upper Mezz Fire Ext		0			
CTS COR 2330 Move Concrete Wall		6,354			
CTS COR 2331 25 Increase Slab		0			
CTS COR 2334 Metal Clnng in Confl w		0			
CTS COR 2336 PSC RFI# CTS-1062		23,347			
CTS COR 2346 T&M Mfg. Costs		148,292			
CTS COR 2347 Plaza Stair Curb Reinf		0			
CTS COR 2350 Landscape Des. Issues		0			
CTS COR 2354 GFRC-1 Panel Det		31,609			
CTS COR 2361 SUB#07 13 55-01		0			
CTS COR 2369 Concourse Elev, HSS		0			
CTS COR 2376 Gaps btwn Escalator		0			

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	UMS	CTS	YBM	STS	COST REPORT NOTES
CTS COR 2385 Elev Rough Opening		12,272			
CTS COR 2395 Voltage Motor O&M		0			
CTS COR 2403 Curb Detail @ Sidewalk		0			
CTS COR 2406 Network Lighting Ctrl		0			
CTS COR 2413 Elevator & Cable Confl				0	
CTS COR 2414 Changes to Ceil Grid		0			
CTS COR 2416 Rev Floor Mounting		0			
CTS COR 2422 Rail Code Deficiency		0			
CTS COR 2423 DBI Relocating Signs		0			
CTS COR 2431 Sidewalk Restor. WA		19,031			
GEN COR 1686 T&M Delay Impacts	2,483,670				
STS COR 1987 Superior Gunitite Projec				1,480,893	
STS COR 2002 All Stations Keying Sc				0	
STS COR 2279 S3 Signage Mounting De				0	
STS COR 2358 Core through Stair #7				16,241	
STS COR 2362 Doors Project Delay Im				95,186	
STS COR 2364 Radio Route to CTS Com				5,366	
STS COR 2377 Provide Mounting Detai				0	
STS COR 2378 Radio Antenna Mounting				0	
STS COR 2379 Change to Radio Cable				0	
STS COR 2380 Radio Cable Mounting D				0	
STS COR 2382 Radiating Co-axial Cab				0	
STS COR 2383 Signal Power Wiring De				3,916	
STS COR 2384 Fisk Revised Substanti				0	
STS COR 2386 Re-Route Cable at UMS				7,681	
STS COR 2387 Radiax Cable routing a				7,082	
STS COR 2388 Splice Radio Cable at				7,076	
STS COR 2389 Mounting Details for J				9,609	
STS COR 2390 Termination Details fo				0	
STS COR 2391 ATCS Fiber Patching PI				0	
STS COR 2392 Emergency Ventilation				0	
STS COR 2396 Facility SCADA O & M M				0	
STS COR 2397 PDS System O & M Manua				0	
STS COR 2404 EV and FCP Training PI				0	
STS COR 2407 Platform Display syste				0	
STS COR 2424 SS Box and GRS Conduit				81,502	
STS COR 2434 Facilitate Routing of				0	
UMS COR 2295 Increase Stair Nosing					
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					7,161

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	UMS	CTS	YBM	STS	COST REPORT NOTES
UMS COR 2325 Powell Temp Barrier Wa	0				
UMS COR 2394 Voltage Motor Ctrl	0				
UMS COR 2426 Quantity & Mounting	0				
UMS COR 2427 Panel& Circuit Battery	0				
USG COR 275 Conn. Plaza Grid B	0				
YBM COR 2375 Access control for eme			100,144		
YBM COR 2399 Beam and Door Conflict			11,690		
YBM COR 2400 Finish Requirement to			20,285		
YBM COR 2401 Lighting Revisions			80,889		
YBM COR 2410 Overhead Coiling Grill			28,812		
YBM COR 2418 Layout Changes for Dev			0		
YBM COR 2419 Emergency command Post			0		
YBM COR 2420 Design Changes to Stat			54,364		
YBM COR 2425 Surface Level Exterior			0		
YBM COR 2428 F17 Light Fixture layo			0		
Negotiation					
CTS COR 1568 Elevators 1 & 2 Routin		67,711			
CTS COR 1810 Aluminum Roll Up Door		0			
CTS COR 1827 PA Mounting Detail		0			
CTS COR 1886 Specs for Alum. Comp.		0			
CTS COR 1898 Concrete Wall Rebar to		0			
CTS COR 1924 Main Power Grating		0			
CTS PCC 593 Station Benches Change		0			
STS PCC 807 Cross Passage Door Fram				25,334	
UMS COR 1753 Stair Framing Conflict	5,001				
UMS COR 1893 All Sta Martinez Steel	575,000				
YBM COR 390 Chip Mezzanine Headwall			30,003		
YBM PCC 748 Added FSDs in Sector 3			53,135		
YBM PCC 770 Revised Wall Panels			47,910		
Proposed Contract Change (PCC)					
CTS PCC 486Rev 1 Structural Slab Cha		19,054			
CTS PCC 548 Spot Acceleration		1,000,000			
CTS PCC 728Rev 1 Rev to Restroom Plz		5,214			
CTS PCC 788 Soil Offhaul		246,942			
CTS PCC 924 Access for Pipes at CMU		10,000			
CTS PCC628 Police Officer at Powell		75,000			
CTS PCC746 GFRC Framing Support		3,613			
STS PCC 618 Mod Swoosh Arm P1 P2				4,705	

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	UMS	CTS	YBM	STS	COST REPORT NOTES
STS PCC 725 ATS for CP5 Sump Pump				16,087	
STS PCC 790 4th Street Portal Gate				75,000	
STS PCC 831 ATCS Equip Transport				24,925	
STS PCC 921 OCS Dead End Revisions				25,000	
YBM PCC 817 Revise Spindle Length			5,000		
YBM PCC 889 Replace Transformer T-1			25,000		
YBM PCC 911 Anti-Static Flooring			2,500		
YBM PCC 926 Replace Disconnect			2,500		
Approved	28,324,362	69,492,706	16,663,580	50,764,705	
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 #040 YBM Analytical Soil Test			3,655		
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		

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount
Substantial Completion

839,676,400
Spring 2021

\$1,004,921,754
Spring 2021

	UMS	CTS	YBM	STS	COST REPORT NOTES
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	
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 #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				

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount
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\$1,004,921,754
Spring 2021

	UMS	CTS	YBM	STS	COST REPORT NOTES
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 #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 #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			
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	

Contract Modification/Trend Log - Contract 1300 Stations

**Awarded NTE Amount
Substantial Completion**

**839,676,400
Spring 2021**

**\$1,004,921,754
Spring 2021**

	UMS	CTS	YBM	STS	COST REPORT NOTES
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#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	20,580,025				
Cmod#885: CTS - Communications - dummy		6,910,784			
Cmod#886: YBM - Communications - dummy			11,773,621		
Cmod#889: STS - Automobile Bus Acceleration -dummy				18,784,307	
CTS CMod #122 Schedule Delay Costs		31,240,000			
STS CMod 045 PCC 008 Tunnel Lowering				107,285	
Grand Total	33,786,369	75,617,336	19,734,644	55,960,021	

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

Report Period: November 2020

		October 2020			November 2020				
Group by Contract & SCC	CATEGORY ITEM	October 2020 Base	October 2020 Allocated Contingency	October 2020 Base + Allocated Contingency (YOE)	November 2020 Base	November 2020 Allocated Contingency	November 2020 Base + Allocated Contingency (YOE)	BUDGET TRANSFERS [November 2020] vs. [October 2020]	Cost Report Notes
10-50	CONSTRUCTION CONTRACT PACKAGES	1,291,901,263	(48,982,394)	1,242,760,819	1,331,229,471	(74,413,957)	1,261,657,464	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	966,490,191	(50,142,394)	916,347,797	1,004,921,754	(75,573,957)	929,347,797	13,000,000	33
1253: UMS	UNION SQUARE/MARKET STREET STATION [UMS]	310,569,556	3,461,034	314,030,590	322,354,952	(8,324,362)	314,030,590	0	
	UMS 1253 Form B Credit	(528,370)		(528,370)	(528,370)		(528,370)	0	
1254: CTS	CHINA TOWN STATION [CTS]	312,453,750	(43,268,046)	269,185,704	317,060,516	(47,874,812)	269,185,704	0	
	CTS 1254 Form B Credit	(451,703)		(451,703)	(451,703)		(451,703)	0	
1255: YBM	YERBA BUENA/ MOSCONE STATION [YBM]	170,663,997	2,425,004	173,089,001	174,752,580	(1,663,579)	173,089,001	0	
	YBM 1255 Form B Credit	(100,000)		(100,000)	(100,000)		(100,000)	0	
1256: STS	SURFACE TRACKWORK & SYSTEMS [STS]	172,802,888	(12,760,386)	160,042,502	190,753,705	(17,711,203)	173,042,502	13,000,000	
	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	79,015,417	1,160,000	80,175,417	79,912,062	1,160,000	81,072,062	896,645	
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	14,611,285		14,611,285	15,507,930		15,507,930	896,645	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: November 2020

		October 2020			November 2020				
Group by Contract & SCC	CATEGORY ITEM	October 2020 Base	October 2020 Allocated Contingency	October 2020 Base + Allocated Contingency (YOE)	November 2020 Base	November 2020 Allocated Contingency	November 2020 Base + Allocated Contingency (YOE)	BUDGET TRANSFERS [November 2020] vs. [October 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	16,800,000	0	16,800,000	16,800,000	0	16,800,000	0	
70.01	LIGHT RAIL	16,800,000	0	16,800,000	16,800,000	0	16,800,000	0	36
80	PROFESSIONAL SERVICES	344,623,116	1,358,422	345,981,538	351,623,116	1,358,422	352,981,538	7,000,000	
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	99,244,281	0	99,244,281	104,154,348	0	104,154,348	4,910,067	36a

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

Report Period: November 2020

		October 2020			November 2020				
Group by Contract & SCC	CATEGORY ITEM	October 2020 Base	October 2020 Allocated Contingency	October 2020 Base + Allocated Contingency (YOE)	November 2020 Base	November 2020 Allocated Contingency	November 2020 Base + Allocated Contingency (YOE)	BUDGET TRANSFERS [November 2020] vs. [October 2020]	Cost Report Notes
80.04	CONSTRUCTION ADMINISTRATION & MANAGEMENT	114,970,219	0	114,970,219	117,060,152	0	117,060,152	2,089,933	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	1,685,570,700	(47,623,972)	1,642,788,678	1,731,898,908	(73,055,535)	1,663,685,323		37
90	UNALLOCATED CONTINGENCIES			21,898,518			1,001,872	(20,896,645)	38
	TOTAL PROJECT COST 10 TO 100			1,664,687,196			1,664,687,196		
	TOTAL CONTINGENCY			(25,725,454)			(72,053,662)		
	CONTINGENCY MINIMUM			25,000,000			25,000,000		
	BELOW OR ABOVE MINIMUM			(50,725,454)			(97,053,662)		

COST STATUS BY CATEGORY	SCC CODES	Sum of Supplemental 2013 Budget	BUDGET October 2020	BUDGET TRANSFERS	BUDGET November 2020	Sum of November 2020	Remaining Budget (Column H-Column I)	November 2020 EAC	November 2020 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	283,523,422	738,026	284,261,448	0	39
STATIONS, STOPS, TERMINALS, INTERMODAL	SCC 020	573,099,645	514,933,533	(25,431,563)	489,501,970	543,551,555	(54,049,585)	571,623,072	(75,573,957)	39
SITework & SPECIAL CONDITIONS	SCC 040	235,514,097	320,351,646	29,736,213	350,087,859	350,721,442	(633,583)	361,725,500	1,160,000	39
SYSTEMS	SCC 050	90,774,397	128,214,191	9,591,995	137,806,186	119,823,273	17,982,914	137,417,771		39
ROW, LAND, EXISTING IMPROVEMENTS	SCC 060	37,511,799	32,246,321	-	32,246,321	30,648,969	1,597,352	32,246,321		
VEHICLES	SCC 070	26,385,653	16,800,000	-	16,800,000	11,929,247	4,870,753	16,800,000	0	
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	61,266,804	51,527	61,318,331		
PM FOR DESIGN & CONSTRUCTION	SCC 080.03 - 080.04	197,146,664	214,214,500	7,000,000	221,214,500	213,111,307	8,103,193	221,214,500	0	39
OTHER PROF SRVCS	SCC 080.05 - 080.08	24,416,118	24,246,033	-	24,246,033	13,537,110	10,708,923	22,887,611	1,358,422	
UNALLOC CONTINGENCY	SCC 090	3,883,480	21,898,514	(20,896,645)	1,001,869	-	1,001,869		1,001,872	39
Grand Total		1,578,300,000	1,664,687,192	0	1,664,687,192	1,674,315,803	(9,628,611)	1,755,697,229	(72,953,662)	

SCC DESCRIPTION	November 2020 BUDGET	November 2020 CTD
010 - GUIDEWAY & TRACK ELEMENTS	284,261,448	283,523,422
020 - STATIONS, STOPS, TERMINALS, INTERMODAL	489,501,970	543,551,555
040 - SITEWORK & SPECIAL CONDITIONS	350,087,859	350,721,442
050 - SYSTEMS	137,806,186	119,823,273
060 - ROW, LAND, EXISTING IMPROVEMENTS	32,246,321	30,648,969
070 - VEHICLES (number)	16,800,000	11,929,247
080 - PROFESSIONAL SERVICES (applies to Cats. 10-50)	352,981,538	334,117,895
090 - UNALLOCATED CONTINGENCY	1,001,869	0
Grand Total	1,664,687,192	1,674,315,803

SCC DESCRIPTION	November 2020 BUDGET	November 2020 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	69,510,264
010.07-Guideway: Underground tunnel	200,374,315	199,946,864
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	6,623,111
020.02-Aerial station, stop, shelter, mall, terminal, platform	(17,711,203)	0
020.03-Underground station, stop, shelter, mall, terminal, platform	467,938,241	515,817,655
020.04-OTHER STATIONS, LANDING, TERMINALS: INTERMODAL, FERRY, TROLLEY, ETC	9,360,183	0
020.07-Elevators, escalators	22,311,892	21,110,789
040.01-Demolition, Clearing, Earthwork	12,754,615	12,495,015
040.02-Site Utilities, Utility Relocation	68,753,443	79,336,316
040.03-Haz. mat'l, contam'd soil removal/mitigation, ground water treatments	9,423,125	8,386,373
040.04-Environmental mitigation, e.g. wetlands, historic/archeologic, parks	1,122,899	851,713
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	5,423,602
040.07-Automobile, bus, van accessways including roads, parking lots	45,943,431	45,779,630
040.08-Temporary Facilities and other indirect costs during construction	199,592,921	195,742,362
050.01-Train control and signals	45,108,633	33,601,315
050.02-Traffic signals and crossing protection	12,804,956	12,183,243
050.03-Traction power supply: substations	21,465,073	20,304,441
050.04-Traction power distribution: catenary and third rail	12,441,113	4,383,501
050.05-Communications	37,271,825	46,788,545
050.06-Fare collection system and equipment	6,100,000	841,265
050.07-Central Control	2,614,586	1,720,962
060.01-Purchase or lease of real estate	30,065,810	28,239,539
060.02-Relocation of existing households and businesses	2,180,511	2,409,430
070.01-Light Rail	16,800,000	11,929,247
080.01-Preliminary Engineering	46,202,674	46,202,675
080.02-Final Design	61,318,331	61,266,804
080.03-Project Management for Design and Construction	89,154,348	83,987,334
080.04-Construction Administration & Management	132,060,152	129,123,973
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	6,288,730
080.07-Surveys, Testing, Investigation, Inspection	933,100	908,184
080.08-Start up	8,300,329	0
090.00-Unallocated Contingency	1,001,869	0
Grand Total	1,664,687,192	1,674,315,803

[A] Cost Account Description	[B] Nov 2020 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	33,324	0	32,655	65,978	(65,978)		
TOTAL FINAL DESIGN	115,075,988	113,985,794	0	32,655	114,018,448	1,057,539		
11 - SFMTA PROJECT MANAGEMENT	20,500,000	18,410,363	194,374	291,346	18,701,709	1,798,291		
1.3.011.01.080.03 - CM:SFMTA LABOR-PROJECT MANAGEMENT	20,500,000	18,410,363	194,374	291,346	18,701,709	1,798,291		
12 - SFMTA ENGINEERING SERVICES	2,923,582	3,075,131	12,865	16,080	3,091,211	(167,629)		
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	2,800,000	3,017,483	12,865	16,080	3,033,563	(233,563)		
13 - SFMTA CONSTRUCTION MANAGEMENT	27,002,275	24,977,240	261,679	389,770	25,367,010	1,635,265		
1.3.013.01.080.04 - CM:SFMTA LABOR-CONSTR. MANAGEM	27,002,275	24,977,240	261,679	389,770	25,367,010	1,635,265		
16 - DEPARTMENT OF PARKING AND TRAFFIC (DPT)	3,659,313	2,765,097	7,869	41,997	2,807,094	852,219		
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT UMS	299,600	374,794	768	23,837	398,631	(99,031)		
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT CTS	274,900	148,375	0	1,812	150,187	124,713		
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT YBM	238,400	225,259	424	272	225,532	12,869		
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT STS	876,876	317,390	6,677	9,033	326,423	550,453		
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	245,049	0	7,043	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	134,385	0	0	134,385	265,615		
1.3.018.04.040.02 - OPS:SUPPORT TO CONTRACT 1300/CTS	100,000	45,887	0	0	45,887	54,113		
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	6,334,984	13,234	13,454	6,348,439	5,662,447		
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	932,880	7,423	9,000	941,880	(107,616)		
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	1,393,660	0	0	1,393,660	0		
1.3.021.06.040.06 - ARTS:CTYCO-ARTS COMMISSION [285MCPFUNA.CPT5441327]	3,011,963	3,592,281	5,811	4,454	3,596,735	(584,772)		
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	2,802,830	0	0	2,802,830	(631,049)		
1.3.023.01.080.06 - ATTY:CN LEGAL-CITY ATTORNEY OF	2,171,781	2,802,830	0	0	2,802,830	(631,049)		
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	4,259,520	12,654	31,513	4,291,033	(49,021)		
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	516,946	2,782	7,287	524,233	(125,833)		
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	633,797	1,741	0	633,797	(27,443)		
1.3.028.03.080.04 - PUC:CMB CONTRACT 1300/UMS INSPECTION	230,000	34,508	0	2,578	37,086	192,914		
1.3.028.04.040.02 - PUC:CDD CONTRACT 1300/CTS SUPPORT	271,755	213,730	5,535	17,717	231,447	40,308		
1.3.028.04.080.04 - PUC:CMB CONTRACT 1300/CTS INSPECTION	115,000	55,773	0	0	55,773	59,227		
1.3.028.05.040.02 - PUC:CDD CONTRACT 1300/YBM SUPPORT	450,282	504,718	1,200	1,419	506,138	(55,856)		
1.3.028.05.080.04 - PUC:CMB CONTRACT 1300/YBM INSPECTION	184,000	98,643	0	0	98,643	85,357		
1.3.028.06.040.02 - PUC:CMB CONTRACT 1300/SFWD AWSS MATERIAL	225,079	249,247	0	0	249,247	(24,168)		
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	88,879	0	0	88,879	(88,879)		
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	496,755	1,396	2,512	499,267	20,810		
1.3.028.09.080.04 - PUC:CMB CONTRACT 1300/STS INSPECTION	207,000	257,294	0	0	257,294	(50,294)		
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	676,358	115	1,446	677,805	93,038		
1.3.051.01.080.03 - ODC.HWRD:ODCs - 821 HOWARD STR	696,753	635,325	115	0	635,325	61,428		
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	29,055	0	147	29,202	25,798		
1.3.051.06.080.04 - ODC.HWRD:W/MTA INST WTR SVC @ STS&YBM TRAILER	9,090	10,923	0	1,300	12,222	(3,132)		
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	78,399,948	72,387,502	2,190,347	1,320,000	73,707,502	4,692,446		
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]	9,400,000	8,901,265	1,621,526	1,056,000	9,957,265	(557,265)		
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3m][PM]	2,350,000	2,225,316	405,381	264,000	2,489,316	(139,316)		
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		
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9m]	1,500,000	521,080	163,440	0	521,080	978,920		
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		

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1.3.063.97.080.03 - AECOM.CS149 ALLOCAT CONTING	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	2,848,817	0	0	2,848,817	182,574		
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	384,352	0	0	384,352	182,573		
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	18,341,336	21,660,175	(291,893)	462,241	22,122,415	(3,781,079)		
1.3.072.01.080.04 - CM: CS155.2 DESIGN SUPPORT DURING CM [1233]	51,351	61,130	0	0	61,130	(9,779)	64	
1.3.072.01.080.04 - CM: CS155.2 DESIGN SUPPORT DURING CM [1333]	18,289,985	21,599,044	(291,893)	462,241	22,061,285	(3,771,300)		
73 - SYSTEMS/INTEGRATION - CONTRACT 155-3	4,828,269	6,528,491	(344,164)	380,719	6,909,210	(2,080,941)		
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]	4,738,269	6,438,700	(344,164)	380,719	6,819,419	(2,081,150)		
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		
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		

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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		
CONTRACT 1300 - STATIONS, TRACKWORK AND SYSTEMS TOTAL	929,347,797	940,837,539	30,806,407	36,153,579	976,991,117	-47,643,320	69	
84 - UNION SQUARE/MARKET STREET STATION (UMS) - WORK PACKAGE 1253	294,030,590	289,458,492	131,325	241,329	289,699,821	4,330,769	21	
1.3.084.03.020.03 - UMS.1253: UNDERGROUD STATION	253,081,452	251,141,750	85,500	212,298	251,354,048	1,727,404		
1.3.084.03.020.07 - UMS.1253: ELEVATORS ESCALATOR	9,465,694	9,106,679	0	0	9,106,679	359,015		
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	322,499	0	0	322,499	227,501		
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	18,322	0	647	18,969	0		
1.3.084.03.040.07 - UMS.1253: AUTOMOBILE BUS ACCE	1,158,410	1,047,609	0	0	1,047,609	110,801		
1.3.084.03.040.08 - UMS.1253: TEMPORARY FACILITIES	11,139,701	10,095,397	0	962	10,096,359	1,043,342		
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	1,063,659	42,125	16,250	1,079,909	735,625		
1.3.084.03.050.04 - UMS.1253: TRACTION POWER DISTR	216,957	183,756	0	7,952	191,708	25,249		
1.3.084.03.050.05 - UMS.1253: COMMUNICATIONS	1,134,314	1,079,262	3,700	3,220	1,082,482	51,832		
84 - UNION SQUARE/MARKET STREET STATION (UMS) CMODs	28,324,362	20,446,319	9,158,467	7,911,760	28,358,080	(33,718)		
1.3.084.84.020.03 - CMOD:UMS.1253: UNDERGROUD STATION	1,832,330	1,809,040	0	0	1,809,040	23,290		
1.3.084.84.020.07 - CMOD:UMS.1253: ELEVATORS, ESCALATORS	490,000	490,000	300,000	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	63,838	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		
1.3.084.84.040.08 - CMOD:UMS.1253: TEMPORARY FACILITIES	809,103	809,102	0	1	809,103	0		
1.3.084.84.050.05 - CMOD:UMS.1253: COMMUNICATIONS	48,149	105,157	0	0	105,157	(57,008)		
1.3.084.94.020.03 - UMS.1253: AC: ALLOC CONTING	(8,324,362)	0	0	0	0	(8,324,362)	41	
85 - CHINATOWN STATION (CTS) - WORK PACKAGE 1254	247,567,810	237,263,281	704,517	535,476	237,798,758	9,769,052		
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	124,800,810	355,161	392,733	125,193,544	7,807,509		
1.3.085.04.020.07 - CTS.1254: ELEVATORS ESCALATOR	6,812,856	6,238,884	41,013	46,092	6,284,976	527,880		
1.3.085.04.040.01 - CTS.1254: DEMOLITION CLEARING	400,000	400,000	0	0	400,000	0		
1.3.085.04.040.02 - CTS.1254: SITE UTILITIES UTIL	6,001,718	5,996,717	275,588	2,501	5,999,218	2,500		
1.3.085.04.040.03 - CTS.1254: HAZARDOUS MATERIALS	350,000	230,000	0	0	230,000	120,000		
1.3.085.04.040.04 - CTS.1254: ENVIRONMENTAL MITIGA	325,665	222,460	0	0	222,460	103,205		
1.3.085.04.040.06 - CTS.1254: PEDESTRIAN/BIKE	15,000	0	0	15,000	15,000	0		
1.3.085.04.040.07 - CTS.1254: AUTOMOBILE BUS ACCE	225,677	130,008	0	45,669	175,677	50,000		

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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	1,665,255	0	1	1,665,256	(65,663)		
1.3.085.04.050.03 - CTS.1254: TRACTION POWER SUPPL	4,063,927	3,620,602	28,125	21,350	3,641,952	421,975		
1.3.085.04.050.04 - CTS.1254: TRACTION POWER DISTRIBUTION	124,481	94,490	0	0	94,490	29,991		
1.3.085.04.050.05 - CTS.1254: COMMUNICATIONS	1,658,938	1,330,153	4,630	12,130	1,342,283	316,655		
85 - CHINATOWN STATION (CTS) CMODs	69,492,706	57,798,124	12,686,123	1,752,303	59,550,428	9,942,279	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	3,895,396	0	3	3,895,399	0		
1.3.085.85.040.08 - CMOD:CTS.1254: TEMPORARY FACILITIES	43,946,308	43,473,304	10,382,106	0	43,473,304	473,004		
1.3.085.85.050.05 - CMOD:CTS.1254: COMMUNICATIONS	6,910,784	5,158,484	2,304,017	1,752,300	6,910,784	0	71a	
1.3.085.95.020.03 - CTS.1254: AC: ALLOC CONTING	(47,874,812)	0	0	0	0	(47,874,812)	72	
86 - YERBA BUENA MOSCONE STATION (YBM) - WORK PACKAGE 1255	158,089,000	155,144,020	219,249	360,127	155,504,147	2,584,853		
1.3.086.05.020.03 - YBM.1255: UNDERGROUND STATION	118,405,840	117,711,168	96,837	354,536	118,065,704	340,136		
1.3.086.05.020.07 - YBM.1255: ELEVATORS ESCALATOR	5,333,287	5,019,079	90,955	0	5,019,079	314,208		
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	7,163,276	0	2	7,163,278	0		
1.3.086.05.040.03 - YBM.1255: HAZARDOUS MATERIALS	2,629,439	2,140,188	0	0	2,140,188	489,251	73	
1.3.086.05.040.04 - YBM.1255: ENVIRONMENTAL MITIGA	100,000	32,019	0	0	32,019	67,981		
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	1,539,725	0	0	1,539,725	3,000		
1.3.086.05.040.08 - YBM.1255: TEMPORARY FACILITIES	15,564,753	15,177,003	16,457	962	15,177,965	386,788		
1.3.086.05.050.02 - YBM.1255: TRAFFIC SIGNALS AND	1,726,492	1,726,492	2,500	0	1,726,492	0		
1.3.086.05.050.03 - YBM.1255: TRACTION POWER SUPPL	3,708,425	2,753,849	12,500	1	2,753,850	954,575		
1.3.086.05.050.05 - YBM.1255: COMMUNICATIONS	1,241,096	1,224,220	0	4,626	1,228,846	12,250		
86 - YERBA BUENA MOSCONE STATION (YBM) CMODs	16,663,580	12,893,545	7,691,427	3,335,940	16,229,485	434,095		
1.3.086.86.020.03 - CMOD:YBM.1255: UNDERGROUND STATION	466,470	456,470	6,389	0	456,470	10,000		
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	259,386	0	0	259,386	7,000	73	
1.3.086.86.040.02 - CMOD:YBM.1255: SITE UTILITIES UTIL	3,570,282	3,158,755	0	0	3,158,755	411,527		
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	29,921	0	0	29,921	5,568		
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	11,773,621	8,437,681	7,685,038	3,335,940	11,773,621	0	73a	
1.3.086.96.020.03 - YBM.1255: AC: ALLOC CONTING	(1,663,579)	0	0	0	0	(1,663,579)	74	
87 - SURFACE TRACKWORK AND SYSTEMS -WORK PACKAGE 1256	139,989,000	118,360,531	-2,532,742	5,378,919	123,739,450	16,249,550		
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	8,937,034	0	14,554	8,951,588	306,143		
1.3.087.09.010.07 - STS.1256: GUIDEWAY: UNDERGROUN	16,723,552	16,201,169	68,732	94,932	16,296,101	427,451		

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1.3.087.09.010.09 - STS.1256: TRACK DIRECT FIXATION	6,761,089	6,756,658	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	6,377,564	58,500	245,547	6,623,111	979,746		
1.3.087.09.040.02 - STS.1256: SITE UTILITIES, UTILITY RELOCA	17,464,046	14,682,873	51,000	1	14,682,874	2,781,172		
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	1	2,116,925	0		
1.3.087.09.040.08 - STS.1256: TEMPORARY FACILITIES	13,896,832	13,735,367	0	100,000	13,835,367	61,464		
1.3.087.09.050.01 - STS.1256: TRAIN CONTROL AND SIGNALS	27,543,451	20,695,549	(2,995,229)	2,193,807	22,889,356	4,654,095		
1.3.087.09.050.02 - STS.1256: TRAFFIC SIGNALS AND	4,463,368	3,798,418	0	1	3,798,419	664,949		
1.3.087.09.050.03 - STS.1256: TRACTION POWER SUPPL	9,889,014	8,938,132	224,940	15,899	8,954,031	934,983		
1.3.087.09.050.04 - STS.1256: TRACTION POWER DISTRIBUTION	6,099,675	3,846,769	9,315	0	3,846,769	2,252,906		
1.3.087.09.050.05 - STS.1256: COMMUNICATIONS	7,996,237	3,243,475	50,000	2,714,178	5,957,653	2,038,584		
1.3.087.09.050.07 - STS.1256: CENTRAL CONTROL	2,614,586	1,720,962	0	0	1,720,962	893,624		
87 - SURFACE TRACKWORK AND SYSTEMS (STS) CMODs	50,764,705	49,473,226	2,748,040	16,637,723	66,110,949	(15,346,244)		
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	1,345,796	0	1	1,345,797	136,525		
1.3.087.89.040.03 - CMOD:STS.1256: HAZARDOUS MATERIALS	18,221	18,219	0	2	18,221	0		
1.3.087.89.040.07 - CMOD:STS.1256: AUTOMOBILE BUS ACCE	18,784,307	3,884,307	833,489	14,900,000	18,784,307	0		
1.3.087.89.040.08 - CMOD:STS.1256: TEMPORARY FACILITIES	34,904,623	34,164,960	181,070	58,340	34,223,300	681,323	74a	
1.3.087.89.050.01 - CMOD:STS.1256: TRAIN CONTROL	(1,856,144)	13,304	(11,427,902)	0	13,304	(1,869,448)		
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	1,666,735	14,304,425	13,161,383	1,679,380	15,983,805	(14,317,070)		
1.3.087.99.020.01 - STS.1256: AC: ALLOC CONTING	(17,711,203)	0	0	0	0	(17,711,203)	75	
88 - STATIONS CONTRACT 1300	2,435,063	1,209,751	96,278	4,203	1,213,954	1,221,109		
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.CPT5441317]	1,430,594	156,022	93,610	0	156,022	1,274,572		
1.3.088.06.080.04 - MTA Communications - Business Liaison to support CN1300 CON[68CPT5441318.CPT5441318]	420,000	343,778	0	0	343,778	76,222		
1.3.088.06.080.04 - IT-CN1300 Installation [68CPT5441319.CPT5441319]	448,371	286,661	2,667	4,203	290,864	157,507		
1.3.088.06.080.04 - CN1300 Installation Maintenance [68CPT5441320.CPT5441320]	25,000	382,655	0	0	382,655	(357,655)		
1.3.088.06.080.04 - DT Support - Stations [68CPT5441325.CPT5441325]	31,098	40,635	0	0	40,635	(9,537)		
141 - CONSTRUCTION ADMINISTRATION	0	0	0	0	0	0		
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	0	0	0	0	8,300,329		
1.3.144.01.080.08 - STRT: STARTUP (SFMTA Transit)	6,941,907	0	0	0	0	6,941,907		
1.3.144.97.080.08 - STRTA: AC STARTUP ALLOC CONTIN	1,358,422	0	0	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	2,403,913	1,280,000	0	2,403,913	8,195,666		
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		

[A] Cost Account Description	[B] Nov 2020 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			
1.3.170.01.050.05 - CSP Radio Cable	377,788	321,963	0	0	321,963	55,825		
1.3.170.01.050.05 - CSP Radio Procurement	3,822,212	1,440,000	1,280,000	0	1,440,000	2,382,212		
181 - AON RISK INSURANCE CS 163	26,803,757	25,119,206	0	0	25,119,206	1,684,551		
1.3.181.01.040.08 - AON.CS163 AON RISK INS.	26,778,757	25,094,206	0	0	25,094,206	1,684,551		
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	152,852	0	213,278	366,130	5,033,871		
1.3.191.01.050.06 - FARE.CONSUL:FARE COLLECTION	5,400,000	152,852	0	213,278	366,130	5,033,871		
192 - THALES T&S CENTRAL CONTROL	19,421,326	10,698,655	0	0	10,698,655	8,722,671		
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	15,507,930	7,475,844	0	0	7,475,844	8,032,086		
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		
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	

[A] Cost Account Description	[B] Nov 2020 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			
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	1,453,126,858	1,431,963,357	34,239,765	39,319,625	1,471,282,983	(18,156,125)		
1.4.091.01.070.01 - LRVS: LIGHT RAIL VEHICLES RFP [34B]	1,324,123	1,319,773	0	0	1,319,773	4,350		
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	14,622,868	9,781,465	0	0	9,781,465	4,841,403		
TOTAL VEHICLES	16,800,000	11,929,247	0	0	11,929,247	4,870,753		
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	6,987,624	0	0	6,987,624	0		
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	30,543,065	0	0	30,543,065	1,597,353		
90 - CONTINGENCY	(46,622,103)	0	0	0	0	(46,622,103)		
1.7.500.91.090.00 - UNALLOCATED CONTINGENCY	1,001,869					1,001,869	84	
TOTAL ALLOCATED CONTINGENCY	(47,623,972)					(47,623,972)		
TOTAL PROJECT COST	1,664,687,193	1,634,963,523	34,239,765	39,352,280	1,674,315,803	(9,628,611)		

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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.

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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.
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.
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.</p>
<p>7.7 Budget Expenditures by SCC Codes</p>	
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.</p>

7.9 Detail Monthly Expenditure Report	
Phase 1 Preliminary Engineering	
40	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.
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]
46	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 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.
49	1.2.071.01.080.02 - 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]
50	1.2.072.01.080.02 - 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]
51	1.2.073.01.080.02 - FD:FINAL DESIGN-DP3 [35CPT5441236.CPT5441236]: FAMIS: \$11,502,372 COST REPORT: \$11,432,312 COST TRANSFER: \$70,060 to 1.3.073.01.080.04 - CM: DP3 [35CPT5441236.CPT5441236]
Phase 3 Construction Phase	

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52	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 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.
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]

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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.
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

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84	<p>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.</p>
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Appendix B

DETAIL SCHEDULE REPORTS

SCHEDULE HIGHLIGHTS

The Master Project Schedule (MPS) below includes progress through November 2020. The November 2020 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 November 2020 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 review and approval. The project continues to evaluate this date with potential impact from COVID restrictions with stricter guidelines and procedures. The schedule team is assessing the risk with these issues and identifying potential mitigation to reduce the risk to the overall schedule. The Contractor has notified the City that potential delay may have occurred due to the social distancing requirement which is impacting production rates.

Currently we are experiencing day-to-day delays caused by TPC's electrical work in the tunnel impacted by lack of resources and extended approvals of contract modifications related to Radio and Train Control Systems. 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 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 November 2020 schedule is

used within the November Report. The SFMTA Contract 1300 November 2020 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:

- Continued installing terrazzo for Stair 1 at Cavern Platform level
- Continued installing overhead signage along North/South Cavern Platform
- Continued installing steel structure for Station Agent Booth at Concourse level
- Continued installing electrical and communication conduits at Station Agent Booth at Concourse level
- Continued pulling service wires at Equipment Room at Underplatform level
- Continued pulling service wires at Main Electrical and Traction Power rooms at Headhouse Platform level
- Continued installing storm, sewer, water piping, refrigerant, and fire sprinkler piping at all levels
- Continued installing GFRC panels at Upper Mezzanine
- Continued installing Elevators 1, 2, 3, and 4 and Stairs 5 and 6
- Completed installing Stair 5
- Completed construction of Plaza walls Continued installing terrazzo for Stair 1 at Cavern Platform level
- Continued installing overhead signage along North/South Cavern Platform
- Completed installing steel structure for Station Agent Booth at Concourse level
- Continued installing electrical and communication conduits at Station Agent Booth at Concourse level
- Continued pulling service wires at Equipment Room at Underplatform level
- Continued pulling service wires at Main Electrical and Traction Power rooms at Headhouse Platform level
- Continued installing storm, sewer, water piping, refrigerant, and fire sprinkler piping at Surface/Plaza levels
- Continued installing GFRC panels at Upper Mezzanine
- Continued installing Elevators 1, 2, 3, and 4 and Stairs 5 and 6
- Continued construction of Plaza roof and stairs
- Continued installing fire proofing for Plaza level
- Continued installing electrical conduits and sprinkler piping at Surface/Plaza levels
- Continued installing HVAC at Surface/Plaza levels
- Continued installing GFRC panels at Plaza level
- Continued installing grating at Roof walkways
- Completed construction of 12" water lines along Washington Street
- Completed construction for Methodist Church rain downspout tie-in to sewer main
- Completed construction for PG&E 2" Gas line along Washington Street
- Completed street restoration at Stockton/Washington Streets
- Completed North sidewalk restoration along Washington Street

- Opened North sidewalk along Washington Street for pedestrian travel
- Continued street work (minor), ongoing monitoring and surveying
- Continued construction of Plaza roof and stairs
- Continued installing fire proofing for Plaza level
- Continued installing electrical conduits and sprinkler piping at Surface and Plaza levels
- Continued installing HVAC at Surface level; began installing HVAC at Plaza level
- Continued installing GFRC panels at Plaza level
- Continued installing grating at Roof walkways
- Closed north sidewalk of Washington Street to pedestrian traffic
- Continued construction of 12" and 8" water lines along Washington Street
- Began construction for Methodist Church rain downspout tie-in to sewer main
- Began construction for PG&E 2" Gas line along Washington Street
- Completed tie-in to MRY Manhole 908 at Washington/Stockton intersection for 4" METS conduit
- Continued street work (minor), ongoing monitoring and surveying

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

- Complete installing terrazzo for Stair 1 at Cavern Platform level
- Complete installing overhead signage along North/South Cavern Platform
- Continue installing electrical and communication conduits at Station Agent Booth at Concourse level
- Complete installing Stair 6
- Complete pulling service wires at Equipment Room at Underplatform level
- Continue installing overhead conduit at Traction Power rooms at Headhouse Platform level
- Complete pulling service wires at Main Electrical and Traction Power rooms at Headhouse Platform level
- Complete installing storm, sewer, water piping, refrigerant, and fire sprinkler piping at Surface/Plaza levels
- Complete installing storm, sewer, water piping, refrigerant, and fire sprinkler piping at Surface and Plaza levels
- Complete installing GFRC panels at Upper Mezzanine level
- Complete installing GFRC panels at Crosscut Cavern Arch
- Complete installing Elevators 1 and 2
- Continue installing Elevators 3 and 4
- Complete construction of Plaza roof and stairs
- Complete installing fire proofing for Plaza level
- Complete installing electrical conduits and sprinkler piping at Surface and Plaza levels
- Complete HVAC installation at Surface and Plaza levels
- Complete construction of 8" water lines along Washington Street

- Obtain SFDBI Green Tag
- Obtain permanent electrical power from PG&E
- Begin testing EV fans, panels, transformers, lighting
- Continued street work (minor), ongoing monitoring and surveying

Activity ID	Activity Name	2020		2021				
		Nov	Dec	Jan	Feb	Mar	Apr	May
CENTRAL SUBWAY PROJECT								
Construction Phase								
Construction CN-1300								
Construction CTS Station P-1254R								
Administrative / Milestones								
Site Work / Utility Relocation								
Demolition								
Concrete/Shotcrete								
Mechanical								
Misc Metal								
Electrical								
Entrance Roof Level								
Surface Level								
Upper Mezz Level								
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.34.22.250	CTS_PL_Pull Cable & Terminate SB Positive Feeder Box PS01 to PS07 (Traction Pc							
CTS.34.22.260	CTS_PL_Pull Cable & Terminate SB Positive Feeder Box PS02 to PS08 (Traction Pc							
CTS.34.2.240	CTS_PL_Pull Cable & Terminate SB Positive Feeder Box PS01 to PS05 (Traction Pc							
CTS.26.50.250	CTS_PL 12 - Train Control Rm: Install - Conduit Back To LMZ Control Rm							
CTS.26.50.200	CTS_PL 17 - Comidor: Install - Conduit & Devices for Lighting							
CTS.34.05.140	CTS_PL_Install Conduit NB Positive Feeder Box PS03 to PS09 (Traction Power)							
CTS.28.31.131	CTS_PL 09 - Aux Comm Rm: Install - Fire Alarm Control Panel - Sector 3							
CTS.28.31.142	CTS_PL 09 - Aux Comm Rm: Install - Fire Alarm Terminal Cabinet - Sector 3							
CTS.26.50.265	CTS_PL 17 - Comidor: Install - Alarms & Card Readers							
CTS.26.50.290	CTS_PL 16 - TP Substation Rm: Install - Conduit & Boxes for Light Switches/Sensor							
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 PSD4 to PS10 (Traction Power)							
CTS.28.31.133	CTS_PL 17 - Comidor - Install - Fire Alarm Preaction Cabinet							
CTS.26.50.1115	CTS_PL 09 - Aux Comm Rm: Wire Pulls to - Fire Alarm Cabinets							
CTS.28.20.525	CTS_PL 09 - Aux Comm Rm: Install - Telephone Rack Cabinet - Sector 3							
CTS.26.50.460	CTS_PL 08 - Mens Restroom: Install - Conduit & Boxes For Light Fixtures							
CTS.26.50.455	CTS_PL 07 - Womens Restroom: Install - Conduit & Boxes For Light Fixtures							
CTS.26.11.915	CTS_PL 18 - Main Elect Rm:Wire Pulls - Riser In Chase @ Col 2.0 To Surface							
CTS.26.24.270	CTS_PL 03 - Aux Elect Rm: Terminations - Panelboard E5NHL (Emerg Ltg Stair 4)							
CTS.26.50.1125	CTS_PL 09 - Aux Comm Rm: Wire Pulls to -CCTV Cabinet							
CTS.26.50.470	CTS_PL 08 - Mens Restroom: Pull Wire & Set Light Fixtures							

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

- Started Terrazzo work at Stair #6.
- Started Installation of OCS brackets at Platform level.
- Continued Pulling fiber for SFDT Installation.
- Continued Installing Area of Refuge Fixtures.
- Continued Installation of Data, Phone at North Entrance.
- Continued working on Station Agent Booth.
- Continued Installation of Power and Data Outlets at Ellis Entrance.
- Continued Installation of Terrazzo at Stair #1.
- Continued Installation of EV-Fans in Air-Flow Sensor Wire.
- Continued Installation of the Glazed Wall System on Platform Level.

- Continued Installation of Fire Alarm BPS and Deluge System at South Electrical Room.
- Continued Installation of Crystallized Glass Panels at street level entrance and Ellis street entrance.
- Continue Installation of cables for Artwork at Concourse Level (Gizmo).
- Completed Installation of Light Fixtures at throughout the station.
- Completed Installation of Radiax on all Levels.
- Completed Installation of cables for Artwork at Platform Level (Gizmo).
- Completed Installation of Precast Terrazzo threads and handrails at Stairs #1 and #2.
- Completed Installation of Crystallized Glass at the Escalator Opening.
- Completed Grinding of Terrazzo at Stair #5.
- Completed Painting Whale and Conduits at Platform level.
- Completed Installation of guard Rails near EV Dampers.
- Completed Testing of all station receptacles.
- Completed landscaping street level area at Stockton street.
- Completed Raising crystallized glass at Utility House.
- Completed Polish and grinding terrazzo at Ellis Entrance.
- Completed Installation of maintenance hatch lid installed on Stockton street

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

Continued construction, installation and testing of the following items:

- Continue working on Station Agent Booth.
- Continue Installation of cables for Artwork at Concourse Level (Gizmo).
- Continue grinding of Terrazzo at Stair #6.
- Continue Installation of Fire Alarm and FHCs.
- Saw Cutting for Door PL 11B and PL12B at Platform Level sector 5.
- Continued Installation of OCS brackets at Platform level.
- Continued Pulling fiber for SFDT Installation.
- Continued Installing Area of Refuge Fixtures

Activity ID	Activity Name	2020		2021				
		Nov	Dec	Jan	Feb	Mar	Apr	May
CENTRAL SUBWAY PROJECT								
Construction Phase								
Construction CN-1300								
Construction UMS Station P-1253								
Administrative / Milestones								
Engineering & Procurement								
Drilled Shafts								
Masonry								
Mechanical								
Electrical								
Surface Level								
All Levels								
Concourse Level								
UMS.08.85.0140	UMS_CN_Pull Wire From Enclosure Box to Artwork Fixture - Sector 3							
UMS.26.24.4480	UMS_CN_21 - Electrical Closet: Pull Data Cable LCP-C2 To Master Panel LCP-M (M							
UMS.09.53.0460	UMS_CN - Concourse: Install Artwork Power & Control Enclosures Sector 3							
UMS.09.53.0470	UMS_CN - Concourse: Install Artwork Power & Control Enclosures Sector 4							
UMS.08.85.0260	UMS_CN_Install Cable Tray For Artwork Power & Control - Sector 6							
UMS.08.85.0190	UMS_CN_Install Cable Tray For Artwork Power & Control - Sector 4							
UMS.28.16.0140	UMS_CN_Install: Security: Intrusion Systems Concourse Level							
UMS.08.85.0280	UMS_CN_Pull Wire From Enclosure Box to Artwork Fixture - Sector 6							
UMS.08.85.0210	UMS_CN_Pull Wire From Enclosure Box to Artwork Fixture - Sector 4							
UMS.09.53.0490	UMS_CN - Concourse: Pull Wire - Artwork Power & Control Enclosures to Fixtures S							
UMS.09.53.0500	UMS_CN - Concourse: Pull Wire - Artwork Power & Control Enclosures To Fixtures S							
UMS.09.53.0480	UMS_CN - Concourse: Install Artwork Power & Control Enclosures Sector 5							
UMS.28.13.0140	UMS_CN_Install: Security: Access Control System Concourse Level							
UMS.09.53.0510	UMS_CN - Concourse: Pull Wire - Artwork Power & Control Enclosures To Fixtures S							
UMS.28.31.9610	UMS_CN_Safety & Security - Testing - Fire Alarm System Concourse Level							
UMS.26.24.4620	UMS_PL_04 -Aux Comm Rm - Terminate CCTV Cabinets							
UMS.26.24.3770	UMS_CN_04 -Main Electrical Rm: Pull Feeder Cable - Elect Panel EDHL To UE4NH1							
UMS.26.24.3740	UMS_CN_04 -Main Electrical Rm: Pull Feeder Cable - Elect Panel EDHL To 2NHL1							
UMS.26.24.3860	UMS_CN_04 -Main Electrical Rm: Pull Feeder Cable - Elect Panel LCP-C1 To LCP-I1							
UMS.26.24.2470	UMS_CN_21 - Energize - Electrical Closet Room Lighting Panels							
UMS.26.24.4570	UMS_CN_28 - Elect Closet - Energize Elect Closet Lighting Panelboards							
UMS.27.21.0160	UMS_CN_04 -Main Elect Rm: Install - SCADA Terminal Cabinet							
UMS.26.24.4230	UMS_CN_04 -Main Electrical Rm: Energize - Emergency Lighting Distribution Panel							
UMS.26.24.4600	UMS_MZ-05 - Main Comm Rm - Terminate CCTV Cabinets							
UMS.28.20.5000	UMS_CN_Security: CCTV System Pull Wire & Terminate Cameras Concourse Level							
UMS.27.21.0170	UMS_CN_04 -Main Elect Rm: Raceway - SCADA Terminal Cabinet							
UMS.27.21.0180	UMS_CN_04 -Main Elect Rm: Terminations - SCADA Terminal Cabinet							

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

- Completed installing Runnels at Ingress/Egress Stair 7
- Continued Installing terrazzo steps at Ingress/Egress stair 7
- Installed Ceiling metal panes and Coiling door grille at Headhouse roof
- Continued installing doors and Hardware's
- Installed benches at platform
- Continued interior finishes Concourse Levels within Station Box
- Rough in Ticketing Hall Kiosk and SCADA terminations at Concourse level
- Continued installation of Elevators 3 and 4
- Continued installation of Escalators 3 and 4
- Continued Installation of Precast pavers at Plaza area, Permanent fencing at South area, at Headhouse Surface level.
- Installed roof coping, Roof fascia, Ceiling metal panels and Installed Coiling door grille.
- Raised piping, Roughed in ceiling at Headhouse roof.
- Completed Tie conduit into tunnel conduit at the expansion joints, Extend CCTV PB and Telephone PB's to tunnel entry at platform.
- Set trim and terminate devices – Tested
- Completed 99.9% CU equipment connect and testing

Activity ID	Activity Name	2020		2021				
		Nov	Dec	Jan	Feb	Mar	Apr	May
CENTRAL SUBWAY PROJECT								
Construction Phase								
Construction CN-1300								
Construction YBM Station P-1255								
Concrete/Shotcrete								
Electrical								
Electrical - Transportation								
Platform Level								
YBM.34.42.0165	Install Train Control Equipment - TCS/TCU Room							
Under Platform Level								
YBM.34.21.1095	YBM_IV 302 - Traction Power Rm: Set & Assemble - DC Switchgear							
YBM.34.21.1185	YBM_IV 302 - Traction Power Rm: Install - AC Control Cable Tray							
YBM.34.21.1065	YBM_IV 302 - Traction Power Rm: Install - Auxiliary Panel K02							
YBM.34.21.1085	YBM_IV 302 - Traction Power Rm: Install - Supervisory Panel SV01							
YBM.34.22.0330	YBM_IV 302 - Traction Power Rm: Pull - Traction Power Cables Pullbox B-01 To PS01							
YBM.34.21.1175	YBM_IV 302 - Traction Power Rm: Install Conduit Between AC & DC Switchgear							
YBM.34.22.0340	YBM_IV 302 - Traction Power Rm: Pull - Traction Power Cables Pullbox B02 To PS01							
YBM.34.21.1195	YBM_IV 302 - Traction Power Rm: Pull & Terminate Power Cable Between AC & DC Switchgear							
YBM.34.21.1145	YBM_IV 302 - Traction Power Rm: Install - DC Control Cable Tray							
YBM.34.21.1075	YBM_IV 302 - Traction Power Rm: Install - Annunciator Panel K01							
YBM.34.22.0360	YBM_IV 302 - Traction Power Rm: Pull - Traction Power Cables Pullbox B-01 To PS01							
YBM.34.22.0370	YBM_IV 302 - Traction Power Rm: Pull - Traction Power Cables PS06 to PS02							
YBM.34.21.1105	YBM_IV 302 - Traction Power Rm: Install - Supervisory Control Cable Tray							
YBM.34.22.0380	YBM_IV 302 - Traction Power Rm: Pull - Traction Power Cables Pullbox B02 To PS01							
YBM.34.21.1165	YBM_IV 302 - Traction Power Rm: Terminations - DC Switchgear							
YBM.34.21.1235	YBM_IV 302 - Traction Power Rm: Pull Wire - DC Control							
YBM.34.22.0390	YBM_IV 302 - Traction Power Rm: Pull - Traction Power Cables PS01 to PS04							
YBM.34.21.1125	YBM_IV 302 - Traction Power Rm: Install - Negative Feeder Cable Tray							
YBM.34.21.1205	YBM_IV 302 - Traction Power Rm: Pull & Terminate AC Control Cable							
YBM.34.21.1245	YBM_IV 302 - Traction Power Rm: Terminate - DC Control							
YBM.34.21.1255	YBM_IV 302 - Traction Power Rm: Pull Cable - Negative Feeder							
YBM.34.21.1115	YBM_IV 302 - Traction Power Rm: Pull & Terminate - Supervisory Control Cable							
YBM.34.21.1265	YBM_IV 302 - Traction Power Rm: Terminations - Negative Feeder (By 1256)							
Conveyances								
All Levels								
Startup & Testing								
No 13-Disp								

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

- Continued 4th/Brannan platform construction
- Continued traction power conduit and other electrical conduit installation inside tunnel for CCTV, telephone, tunnel lighting, and tunnel electrical power
- Continued traction power cable installation, terminations, and installation of cross bonds throughout the tunnel.
- Continued OCS hanger installation and installation of OCS risers throughout the tunnel
- Continued installation of ATCS and radio system
- Continued cross passage 5 sump pump installation
- Start fiber system installation

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

- Continue 4th/Brannan platform construction
- Continue surface signaling work on 4th St.
- Continue traction power conduit and other electrical conduit installation inside tunnel for CCTV, telephone, tunnel lighting, and tunnel electrical
- Continue traction power cable testing, installation and terminations

- Continue tunnel lighting, mini power, OCS hanger, ATCS, and radio system installation
- Continue fiber system installation
- Start FDC installation near 4th St. portal
- Continue tunnel lighting, mini power, OCS hanger, ATCS, and radio system installation
- Continue fiber system installation

Activity ID	Activity Name	2020		2021				
		Nov	Dec	Jan	Feb	Mar	Apr	May
CENTRAL SUBWAY PROJECT								
Construction Phase								
Construction CN-1300								
Construction STS P-1256								
Concrete/Shotcrete								
Tunnel Concrete								
Electrical								
Chinatown Station								
Union Square Station								
Moscone Station								
Fourth/King Intersection								
Fourth Street								
Fifth Street								
Fourth/Brannan Station								
Harrison St								
Bryant St								
Brannan St								
Townsend St								
HeadHouse								
Northbound Tunnel or Trackway								
STS.34.42.0510	STS_Install: Train Control - ATSC Entry Point Signage - Portal							
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.34.42.1270	STS_Install: Train Control - ATSC Entry Point Signage - Union Square Station							
STS.34.42.1640	STS_Install: Train Control - ATSC Entry Point Signage - Chinatown							
STS.26.05.1560	STS_Install: Tunnel Electrical -Lighting Fixtures - NB Chinatown to North Limits							
STS.34.42.0500	STS_Install: Security - NB Portal Intrusion Devices							
STS.34.42.0480	STS_Install: Train Control - Axle Counter Electronics Boxes/Track Heads NB Portal to							
STS.34.42.0490	STS_Install: Train Control - Remote Feed Boxes- NB Portal to Moscone							
STS.34.42.0880	STS_Install: Train Control - Remote Feed Boxes- NB Moscone to Union Square							
STS.34.42.1260	STS_Install: Train Control - Remote Feed Boxes- NB Union Square to Chinatown							
STS.34.42.2370	STS_Install: Train Control - Train Control Pull ATSC Wire & Cable NB Portal To Mosco							
STS.34.23.1230	STS_Install: Tunnel Electrical - OCS Catenary Hangers - NB Union Square to Chinat							
STS.34.42.0410	STS_Install: Train Control - Train Control Signals - NB Portal to Moscone							
STS.34.420.870	STS_Install: Train Control - Axle Counter Electronics Boxes/Track Heads- NB Moscon							
STS.34.42.2260	STS_Install: Train Control - Train Control Conduit - & JB's NB Moscone to Union Squ							
STS.34.23.1940	STS_Install: Tunnel Electrical - OCS Steady Arm Assemblies - NB Moscone to Union							
STS.34.23.1860	STS_Install: Tunnel Electrical - OCS Wires, Spacers, Insulators - NB Portal To Mosco							
STS.34.23.1220	STS_Install: Tunnel Electrical - OCS Elastic Arm Assemblies - NB Union Square to C							
STS.26.05.2000	STS_Install: Tunnel Electrical - Emerg Tel/SFFD Tel/Blue Lights - NB Chinatown to N							
STS.26.05.3790	STS_Install: Tunnel Electrical - Pull & Terminate Emerg Tel/SFFD Tel/Blue Lights - NB							

SCHEDULE REVISIONS

The SFMTA Contract 1300 November 2020 schedule update was added this period to the Central Subway Project Master Schedule.

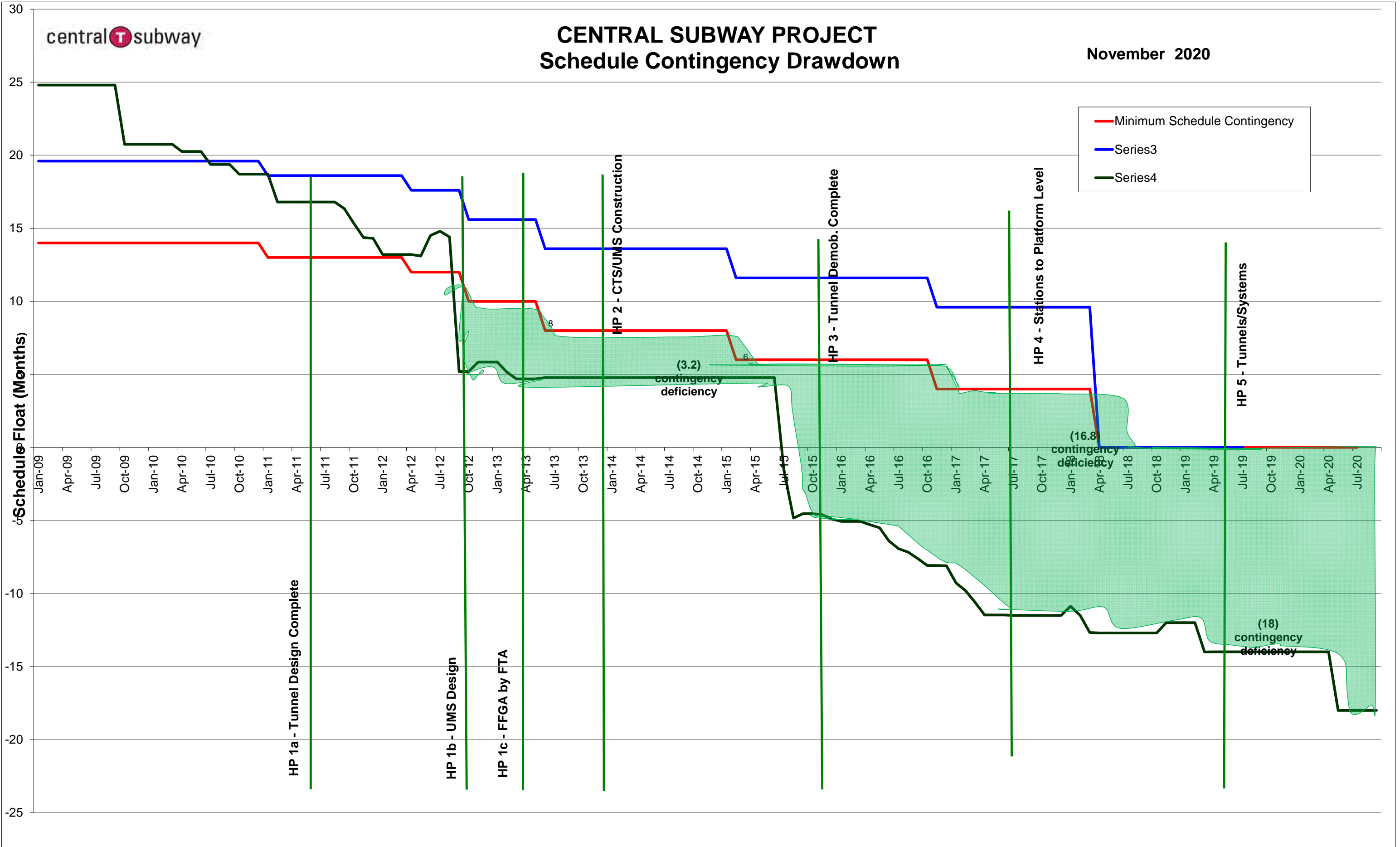
LIST OF SCHEDULE REPORTS

- 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

November 2020



Activity ID	Activity Name	Original Duration	Start	Finish	2021				
					Q4	Q1	Q2	Q3	Q4
CENTRAL SUBWAY PROJECT		5060	03-Jun-03 A	26-Oct-22					
Program Level Milestones		5202	03-Jun-03 A	31-Mar-22					
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		31-Mar-22*					
MS0009	CSP Revenue Service Date	0		31-Mar-22*					
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		2969	15-Apr-13 A	31-May-21					
Real Estate		3130	01-Aug-08 A	02-Jan-14 A					
Construction Phase		3341	04-Jan-10 A	26-Oct-22					
Construction Support and Costs		3944	04-Jan-10 A	26-Oct-22					
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	30-Nov-20					
Construction STS P-1256 ATCS		1825	20-May-14 A	04-Jun-21					
Construction STS P-XXXX Radio		195	27-Aug-19 A	04-Aug-21					
Construction CN-1300		2133	03-Jun-13 A	22-Aug-21					
CN- 1300 Milestone		2133	17-Jun-13 A	22-Aug-21					
Construction UMS Station P-1253		2070	17-Jun-13 A	25-May-21					
Construction CTS Station P-1254R		2070	17-Jun-13 A	25-May-21					
Construction YBM Station P-1255		2070	10-Jun-13 A	25-May-21					
Construction STS P-1256		2070	03-Jun-13 A	25-May-21					
Project Start Up		310	25-May-21	31-Mar-22					
Unallocated Contingency		335	30-Nov-20	30-Mar-22					

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2021				2022				2023	
						Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
Program Level Milestones															
MS0019	Baseline Finish Date: 12-26-2018	0	31-Mar-22	31-Mar-22	-461										
MS0009	CSP Revenue Service Date	0		31-Mar-22*	-461										
CN- 1300 Milestone															
MS-10	Substantial Completion - 1,700 Calendar Days (SP-4.B) { 10-Feb-18 }	0	24-May-21	24-May-21	-672										
Construction STS P-1256															
STS.34.23.1800	STS_Install: Tunnel Electrical - OCS Catenary Hangers - In NB Portal	3	20-May-20 A	26-Nov-20	-475										
STS.34.23.0460	STS_Install: Tunnel Electrical - OCS Catenary Hangers - NB Portal To Moscone	5	30-Sep-19 A	30-Nov-20	-475										
STS.34.23.1970	STS_Install: Tunnel Electrical - OCS Steady Arm Assemblies - In NB Portal	5	27-Nov-20	03-Dec-20	-475										
STS.34.23.1930	STS_Install: Tunnel Electrical - OCS Steady Arm Assemblies - NB Portal To Moscone	7	08-Sep-20 A	09-Dec-20	-475										
STS.34.23.1830	STS_Install: Tunnel Electrical - OCS Wires. Spacers, Insulators - In NB Portal	4	04-Dec-20	09-Dec-20	-475										
STS.34.23.1860	STS_Install: Tunnel Electrical - OCS Wires. Spacers, Insulators - NB Portal To Moscor	4	10-Dec-20	15-Dec-20	-475										
STS.34.23.1850	STS_Install: Tunnel Electrical - OCS Wires. Spacers, Insulators - NB Moscone to Unio	14	16-Dec-20	04-Jan-21	-475										
STS.34.23.1870	STS_Install: Tunnel Electrical - OCS Wires. Spacers, Insulators - NB Union Square to	12	05-Jan-21	20-Jan-21	-475										
STS.34.22.2900	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB03 To	8	04-May-20 A	22-Jan-21	-475										
STS.34.22.3090	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB03 To NB01	2	09-Nov-20 A	26-Jan-21	-475										
STS.34.22.3280	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - NB Portal Pull B	5	27-Jan-21	02-Feb-21	-475										
STS.34.22.2910	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PS-05 To PFCB I	1	01-Jun-20 A	03-Feb-21	-475										
STS.34.22.2920	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB10 To	7	04-May-20 A	05-Feb-21	-475										
STS.34.22.3070	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PS-04 To PFCB NB11	1	08-Feb-21	08-Feb-21	-475										
STS.34.22.3080	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB05 To NB04	3	09-Feb-21	11-Feb-21	-475										
STS.34.22.3100	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PS-05 To PFCB NB11	1	12-Feb-21	12-Feb-21	-475										
STS.34.22.3110	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB10 To NB06	1	15-Feb-21	15-Feb-21	-475										
STS.34.22.2860	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB18 To	15	08-Jun-20 A	17-Feb-21	-475										
STS.34.22.2870	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB12 To F	2	18-Feb-21	19-Feb-21	-475										
STS.34.22.2850	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PS-10 To PFCB I	2	05-Oct-20 A	23-Feb-21	-475										
STS.34.22.3040	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PS-10 To PFCB NB11	1	24-Feb-21	24-Feb-21	-475										
STS.34.22.3050	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB18 To NB12	3	25-Feb-21	01-Mar-21	-475										
STS.34.22.3060	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB12 To PS-01	1	02-Mar-21	02-Mar-21	-475										
STS.34.22.2840	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB19 To F	2	05-Oct-20 A	04-Mar-21	-475										
STS.34.22.3030	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB19 To PS-01	1	05-Mar-21	05-Mar-21	-475										
STS.34.42.0390	STS_Install: Train Control - Train Control Cable Loop System NB Portal To Moscone	4	13-May-19 A	08-Mar-21	-475										
STS.34.42.0770	STS_Install: Train Control - Train Control Cable Loop System NB Moscone to Union Sq	13	08-Mar-21	24-Mar-21	-475										
STS.34.42.1150	STS_Install: Train Control - Train Control Cable Loop System NB Union Square to Chin	14	08-Mar-21	25-Mar-21	-475										
STS.34.42.1520	STS_Install: Train Control - Train Control Cable Loop System NB Chinatown to North L	2	26-Mar-21	29-Mar-21	-475										
STS.34.42.425	Startup & Testing - Tunnel & ATSC Systems	40	30-Mar-21	24-May-21	-475										
Project Start Up															
STU1010	S&S Certification / Pre-Revenue Activities	215	25-May-21	30-Mar-22	-461										
BUF0018	Muni Float	0	31-Mar-22	31-Mar-22	-461										

Activity Name	Original Duration	Start	Finish	2012				2013				2014				2015				2016				2017				2018				2019				2020				2021				2022	
				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	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2				
CENTRAL SUBWAY PROJECT	2661	08-Jun-11 A	22-Aug-21																																										
Construction Phase	2661	08-Jun-11 A	22-Aug-21																																										
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	2133	03-Jun-13 A	22-Aug-21																																										
CN- 1300 Milestone	2133	17-Jun-13 A	22-Aug-21																																										
Construction UMS Station P-1253	2070	17-Jun-13 A	25-May-21																																										
Construction CTS Station P-1254R	2070	17-Jun-13 A	25-May-21																																										
Construction YBM Station P-1255	2070	10-Jun-13 A	25-May-21																																										
Construction STS P-1256	2070	03-Jun-13 A	25-May-21																																										

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2020		2021	
						Q4		Q1	
CENTRAL SUBWAY PROJECT						3794	04-Jan-10 A	06-Jun-23	196
Light Rail Vehicles						1175	29-Aug-16 A	31-May-21	-251
Construction Phase						3794	04-Jan-10 A	06-Jun-23	196
Construction Support and Costs						5314	04-Jan-10 A	06-Jun-23	274
Construction STS P-1256 ATCS						1142	16-May-16 A	04-Jun-21	-180
Construction CN-1300						1919	09-Jan-14 A	24-May-21	64
CN- 1300 Milestone						90	26-Nov-20	23-Feb-21	-582
No 13-Disp						90	26-Nov-20	23-Feb-21	-582
Construction UMS Station P-1253						1890	09-Jan-14 A	24-May-21	64
Mechanical						284	04-Nov-19 A	17-Feb-21	-420
Electrical						672	10-Jul-17 A	09-Apr-21	-449
Surface Level						252	29-Nov-19 A	03-Feb-21	-397
All Levels						119	29-Jun-20 A	09-Apr-21	-444
Concourse Level						579	08-Jan-18 A	12-Feb-21	-408
Mezzanine Level						569	08-Jan-18 A	03-Feb-21	-399
UMS.28.13.0160	UMS_MZ_Install: Security: Access Control System Mezzanine Level	15	08-Jan-18 A	27-Nov-20	-404			UMS_MZ_Install: Security: Access Control System Mezzan	
UMS.26.24.4520	UMS_MZ_11 - Aux Elect Rm: Pull Feeder Cable - Elect Panel 3DHL to 4SHL (PL12))	5	27-Nov-20	03-Dec-20	-363			UMS_MZ_11 - Aux Elect Rm: Pull Feeder Cable - Ele	
UMS.26.24.4560	UMS_MZ_11 - Aux Elect Rm: Pull Feeder Cable - Elect Panel E3DHL To UE4SHL (PL12)	5	27-Nov-20	03-Dec-20	-363			UMS_MZ_11 - Aux Elect Rm: Pull Feeder Cable - Ele	
UMS.26.24.4550	UMS_MZ_11 - Aux Elect Rm: Pull Feeder Cable - Elect Panel 3DHP4 To Esc 4-6	3	02-Dec-20	04-Dec-20	-396			UMS_MZ_11 - Aux Elect Rm: Pull Feeder Cable - Ele	
UMS.34.05.0290	UMS_MZ Install Feeder Conduit: - NB Positive Feeder Gap Breaker Rm to PB-1 (Traction Power)	5	01-Dec-20	07-Dec-20	-426			UMS_MZ Install Feeder Conduit: - NB Positive Fe	
UMS.26.24.2540	UMS_MZ_11 - Aux Elect Rm: Terminations - Elect Panel LCP-M	2	17-Dec-20	18-Dec-20	-374			UMS_MZ_11 - Aux Elect Rm: Terminat	
UMS.34.05.0330	UMS_MZ Install Feeder Conduit: - SB Positive Feeder Gap Breaker Rm to PB-4 (Traction Power)	5	15-Dec-20	21-Dec-20	-431			UMS_MZ Install Feeder Conduit: - S	
UMS.34.05.0320	UMS_MZ Install Feeder Conduit: - NB Positive Feeder Gap Breaker Rm to PB-3 (Traction Power)	5	15-Dec-20	21-Dec-20	-431			UMS_MZ Install Feeder Conduit: - N	
UMS.28.31.0160	UMS_MZ Install Security: Addressable Fire Alarm System Mezzanine Level	15	04-Jun-18 A	01-Feb-21	-399				
UMS.28.31.9620	UMS_MZ_Safety & Security - Testing - Fire Alarm System Mezzanine Level	2	02-Feb-21	03-Feb-21	-399				
Platform Level						627	10-Jul-17 A	05-Feb-21	-404
UMS.26.24.2880	UMS_PL_04 - Aux Elect Rm: Install Raceway - Panelboard UE4NHL	2	17-Jul-17 A	30-Nov-20	-360			UMS_PL_04 - Aux Elect Rm: Install Raceway - Panelboa	
UMS.34.05.0340	UMS_MZ_Install Conduit Riser PB-1 to NB Feeder Boxes PS01 (Traction Power)	5	07-Dec-20	11-Dec-20	-425			UMS_MZ_Install Conduit Riser PB-1 to NB Fe	
UMS.10.14.0290	UMS_PL Install Platform Level Signage	14	26-May-20 A	15-Dec-20	-401			UMS_PL Install Platform Level Signage	
UMS.34.42.0175	UMS_PL Install Train Control Equipment - TCS/TCU Room	15	27-Nov-20	17-Dec-20	-434			UMS_PL Install Train Control Equipmen	
UMS.34.22.0510	UMS_PL_Terminate NB Cable - Positive Feeder Box PS01	2	16-Dec-20	17-Dec-20	-418			UMS_PL_Terminate NB Cable - Positive	
UMS.34.22.0450	UMS_PL_Terminate NB Cable Positive Feeder Box PS05	2	22-Dec-20	23-Dec-20	-422			UMS_PL_Terminate NB Cable Pc	
UMS.28.13.0150	UMS_PL_Install: Security: Access Control System Platform Level	15	10-Jul-17 A	24-Dec-20	-383			UMS_PL_Install: Security: Accoe	
UMS.34.22.0470	UMS_PL_Terminate SB Cable - Positive Feeder Box PS02	2	24-Dec-20	25-Dec-20	-424			UMS_PL_Terminate SB Cable -	
UMS.34.42.175	UMS_PL Install Train Control Raceway - TCS/TCU Room To Trackway Connection	15	06-Aug-18 A	25-Dec-20	-434			UMS_PL Install Train Control Ra	
UMS.34.22.0430	UMS_PL_Terminate SB Cable - Positive Feeder Box PS03	2	29-Dec-20	30-Dec-20	-427			UMS_PL_Terminate SB C	
UMS.34.22.0490	UMS_PL_Terminate SB Cable - Positive Feeder Box PS06	2	31-Dec-20	01-Jan-21	-429			UMS_PL_Terminate SB	
UMS.34.22.0520	UMS_PL_Terminate NB Cable - Positive Feeder Box PS04	2	31-Dec-20	01-Jan-21	-429			UMS_PL_Terminate NB	
UMS.34.42.185	UMS_PL Install Train Control Cable - TCS/TCU Room To Trackway Connection	15	28-Dec-20	15-Jan-21	-434			UMS_PL	
UMS.28.31.0180	UMS_PL_Install Security: Addressable Fire Alarm System Platform Level	15	04-Jun-18 A	01-Feb-21	-399				
UMS.28.31.9630	UMS_PL_Safety & Security - Testing - Fire Alarm System Platform Level	2	04-Feb-21	05-Feb-21	-399				
UMS.34.42.195	UMS_PL Train Control Terminations - TCS/TCU Room To Trackway Connection	15	18-Jan-21	05-Feb-21	-434				
UMS.34.42.205	UMS_PL Train Control Room - Energize Panels	5	01-Feb-21	05-Feb-21	-434				
Electrical - Transportation						590	29-Mar-18 A	02-Feb-21	-436
Architectual Finishes						287	02-Apr-20 A	25-Feb-21	-423
Conveyances						228	26-Mar-20 A	09-Feb-21	-401
Stairs						470	06-Aug-18 A	02-Feb-21	-436
Startup & Testing						40	15-Feb-21	09-Apr-21	-444
No 13-Disp						1845	09-Jan-14 A	24-May-21	64

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2020		2021
						Q4		Q1
Construction CTS Station P-1254R		1884	10-Jul-14 A	24-May-21	64			
Site Work / Utility Relocation		353	05-Aug-19 A	26-Feb-21	125			
Concrete/Shotcrete		5	06-Jul-20 A	18-Feb-21	-423			
Mechanical		550	05-Mar-18 A	02-Feb-21	-396			
Misc Metal		94	03-Aug-20 A	28-Dec-20	-376			
Electrical		557	07-May-18 A	02-Mar-21	-421			
Entrance Roof Level		81	29-Jun-20 A	24-Dec-20	-406			
Surface Level		292	07-Oct-19 A	26-Feb-21	-414			
Upper Mezz Level		397	08-Jul-19 A	02-Mar-21	-431			
Lower Mezz Level		299	01-Oct-19 A	11-Feb-21	-408			
Concourse Level		526	08-Oct-18 A	03-Feb-21	-412			
CTS.26.50.552	CTS_CN 10 - Emerg Command Rm: Wire Pulls - Lighting	1	30-Nov-20	30-Nov-20	-395			CTS_CN 10 - Emerg Command Rm: Wire Pulls - Lighting
CTS.26.50.590	CTS_CN 17 - Janitor Rm: Pull Wire - Lighting	1	30-Nov-20	30-Nov-20	-396			CTS_CN 17 - Janitor Rm: Pull Wire - Lighting
CTS.26.50.588	CTS_CN 15 - Storage Rm: Hang Light Fixtures & Terminate	2	30-Nov-20	01-Dec-20	-401			CTS_CN 15 - Storage Rm: Hang Light Fixtures & Termin
CTS.26.50.570	CTS_CN 01 - Install - Conduit & Devices for Ceiling Lighting	5	28-Oct-19 A	02-Dec-20	-400			CTS_CN 01 - Install - Conduit & Devices for Ceiling Lig
CTS.26.50.564	CTS_CN 06 - Stair 6: Hang Light Fixtures	4	30-Nov-20	03-Dec-20	-383			CTS_CN 06 - Stair 6: Hang Light Fixtures
CTS.26.50.616	CTS_CN 13 - Concessions: Pull Wire - Lighting	4	30-Nov-20	03-Dec-20	-403			CTS_CN 13 - Concessions: Pull Wire - Lighting
CTS.26.50.534	CTS_CN 07 - Elevator Control Closet: Install - Elevator Controller Cabinets & Disconnects	5	30-Nov-20	04-Dec-20	-403			CTS_CN 07 - Elevator Control Closet: Install - Eleva
CTS.26.50.581	CTS_CN 01 - Wire Pulls for Ceiling Lighting	3	03-Dec-20	07-Dec-20	-400			CTS_CN 01 - Wire Pulls for Ceiling Lighting
CTS.26.50.526	CTS_CN 03 - Ticketing Hall: Install - Overhead Lighting Conduit & Devices	5	02-Dec-20	08-Dec-20	-413			CTS_CN 03 - Ticketing Hall: Install - Overhead Li
CTS.26.50.550	CTS_CN 13 - Concessions: Install - Conduit & Devices For Power	5	08-Oct-18 A	10-Dec-20	-408			CTS_CN 13 - Concessions: Install - Conduit &
CTS.26.50.632	CTS_CN 07 - Elevator Control Closet: Pull Wire To Elevators 3 & 4.	4	07-Dec-20	10-Dec-20	-403			CTS_CN 07 - Elevator Control Closet: Pull Wir
CTS.26.05.670	CTS_CN 13 - Concessions: Hang Fixtures & Terminate	5	04-Dec-20	10-Dec-20	-403			CTS_CN 13 - Concessions: Hang Fixtures & Te
CTS.26.50.582	CTS_CN 01 - Hang Fixtures & Terminate	5	08-Dec-20	14-Dec-20	-400			CTS_CN 01 - Hang Fixtures & Terminate
CTS.26.50.558	CTS_CN 03 - Ticketing Hall: - Lighting Wire Pulls	5	09-Dec-20	15-Dec-20	-413			CTS_CN 03 - Ticketing Hall: - Lighting W
CTS.26.50.624	CTS_CN 03 - Ticketing Hall: Pull Wire & Set Light Switches/Sensors	5	09-Dec-20	15-Dec-20	-406			CTS_CN 03 - Ticketing Hall: Pull Wire & S
CTS.28.20.452	CTS_CN 23 - Stair 5: Set & Hook up - CCTV Camera (1 each)	1	07-Oct-19 A	17-Dec-20	-408			CTS_CN 23 - Stair 5: Set & Hook up -
CTS.28.20.500	CTS_CN 24 - Valve Rm: Set & Hook up - CCTV Camera (1 each)	1	14-Oct-19 A	17-Dec-20	-408			CTS_CN 24 - Valve Rm: Set & Hook up
CTS.26.50.648	CTS_CN 13 - Concessions: Pull Wire - Power	5	11-Dec-20	17-Dec-20	-408			CTS_CN 13 - Concessions: Pull Wire - P
CTS.28.20.442	CTS_CN 25 - Stair 5A: Set & Hook up - CCTV Cameras (2 each) - Sector 3	2	21-Oct-19 A	18-Dec-20	-409			CTS_CN 25 - Stair 5A: Set & Hook up
CTS.28.20.422	CTS_CN 26 - Stair 4: Set & Hook up - CCTV Cameras (2 each) - Sector 1	2	07-Oct-19 A	18-Dec-20	-409			CTS_CN 26 - Stair 4: Set & Hook up -
CTS.26.50.656	CTS_CN 03 - Ticketing Hall: Hang Light Fixtures & Terminate	5	16-Dec-20	22-Dec-20	-413			CTS_CN 03 - Ticketing Hall: Hang l
CTS.26.05.695	CTS_CN 03 - Ticketing Hall: Pull Wire & Set Receptacles	4	17-Dec-20	22-Dec-20	-411			CTS_CN 03 - Ticketing Hall: Pull W
CTS.28.20.432	CTS_CN 01: Set & Hook up - CCTV Cameras (8 each) - Sector 2	5	07-Oct-19 A	23-Dec-20	-412			CTS_CN 01: Set & Hook up - CC
CTS.26.24.680	CTS_CN 08 - Aux Elect Rm: Terminations - Panelboard LCP-4 - Lighting Control	5	17-Dec-20	23-Dec-20	-403			CTS_CN 08 - Aux Elect Rm: Term
CTS.26.05.986	CTS_CN 13 - Concessions: Terminate Power Devices	5	18-Dec-20	24-Dec-20	-383			CTS_CN 13 - Concessions: Term
CTS.26.24.610	CTS_CN 02 - Station Agent Booth: Install - Panelboard	5	14-Jan-21	20-Jan-21	-437			CTS_
CTS.26.50.560	CTS_CN 02 - Station Agent Booth: Install - Lighting	3	18-Jan-21	20-Jan-21	-437			CTS_
CTS.26.50.658	CTS_CN 02 - Station Agent Booth: Pull Wire & Set Light Fixtures	5	21-Jan-21	27-Jan-21	-437			
CTS.26.05.700	CTS_CN 02 - Station Agent Booth: Pull Wire - Power	5	21-Jan-21	27-Jan-21	-437			
CTS.26.11.925	CTS_CN 08 - Aux Elect Rm: Energize - Panelboard EDHL	1	28-Jan-21	28-Jan-21	-438			
CTS.26.11.930	CTS_CN 08 - Aux Elect Rm: Energize - Lighting Panelboards	1	29-Jan-21	29-Jan-21	-429			
CTS.28.31.526	CTS_CN 02 - Station Agent Booth Rm: Security & Communications Equipment	5	14-Oct-19 A	03-Feb-21	-435			
Platform Level		538	07-May-18 A	03-Feb-21	-402			
Under Platform Level		40	07-Dec-20	29-Jan-21	-436			
Electrical - Transportation		293	16-Dec-19 A	21-Jan-21	-428			
Architectual Finishes		464	06-May-19 A	03-Mar-21	-417			
Conveyances		187	20-Apr-20 A	11-Feb-21	-429			
Startup & Testing		30	19-Feb-21	01-Apr-21	-438			
No 13-Disp		1850	10-Jul-14 A	24-May-21	64			
Construction YBM Station P-1255		1889	10-Jul-14 A	24-May-21	64			

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2020		2021		
						Q4		Q1		
Concrete/Shotcrete						137	26-May-20 A	10-Dec-20	-403	
Electrical						88	07-Sep-20 A	26-Jan-21	-438	
Electrical - Transportation						431	28-May-19 A	06-Jan-21	-424	
Platform Level						14	26-Nov-20	15-Dec-20	-401	
YBM.34.42.0165	Install Train Control Equipment - TCS/TCU Room	14	26-Nov-20	15-Dec-20	-401				Install Train Control Equipment - TCS/TCU	
Under Platform Level						424	28-May-19 A	06-Jan-21	-422	
YBM.34.21.1095	YBM_IV 302 - Traction Power Rm: Set & Assemble - DC Switchgear	15	03-Jun-19 A	02-Dec-20	-432				YBM_IV 302 - Traction Power Rm: Set & Assemble - D	
YBM.34.21.1185	YBM_IV 302 - Traction Power Rm: Install - AC Control Cable Tray	5	26-Nov-20	02-Dec-20	-417				YBM_IV 302 - Traction Power Rm: Install - AC Control	
YBM.34.21.1085	YBM_IV 302 - Traction Power Rm: Install - Supervisory Panel SV01	5	28-May-19 A	02-Dec-20	-421				YBM_IV 302 - Traction Power Rm: Install - Supervisory	
YBM.34.22.0330	YBM_IV 302 - Traction Power Rm: Pull - Traction Power Cables Pullbox B-01 To PS03	2	30-Sep-20 A	04-Dec-20	-411				YBM_IV 302 - Traction Power Rm: Pull - Traction Po	
YBM.34.21.1175	YBM_IV 302 - Traction Power Rm: Install Conduit Between AC & DC Switchgear	2	03-Dec-20	04-Dec-20	-406				YBM_IV 302 - Traction Power Rm: Install Conduit Be	
YBM.34.22.0340	YBM_IV 302 - Traction Power Rm: Pull - Traction Power Cables Pullbox B02 To PS05	2	07-Dec-20	08-Dec-20	-411				YBM_IV 302 - Traction Power Rm: Pull - Traction	
YBM.34.21.1195	YBM_IV 302 - Traction Power Rm: Pull & Terminate Power Cable Between AC & DC Switchgear	2	07-Dec-20	08-Dec-20	-406				YBM_IV 302 - Traction Power Rm: Pull & Termina	
YBM.34.21.1145	YBM_IV 302 - Traction Power Rm: Install - DC Control Cable Tray	5	03-Dec-20	09-Dec-20	-412				YBM_IV 302 - Traction Power Rm: Install - DC C	
YBM.34.22.0360	YBM_IV 302 - Traction Power Rm: Pull - Traction Power Cables Pullbox B-01 To PS06	2	09-Dec-20	10-Dec-20	-411				YBM_IV 302 - Traction Power Rm: Pull - Tracti	
YBM.34.22.0370	YBM_IV 302 - Traction Power Rm: Pull - Traction Power Cables PS06 to PS02	2	07-Sep-20 A	14-Dec-20	-411				YBM_IV 302 - Traction Power Rm: Pull - T	
YBM.34.21.1105	YBM_IV 302 - Traction Power Rm: Install - Supervisory Control Cable Tray	4	10-Dec-20	15-Dec-20	-426				YBM_IV 302 - Traction Power Rm: Install	
YBM.34.22.0380	YBM_IV 302 - Traction Power Rm: Pull - Traction Power Cables Pullbox B02 To PS01	2	15-Dec-20	16-Dec-20	-411				YBM_IV 302 - Traction Power Rm: Pull -	
YBM.34.21.1165	YBM_IV 302 - Traction Power Rm: Terminations - DC Switchgear	10	03-Dec-20	16-Dec-20	-407				YBM_IV 302 - Traction Power Rm: Term	
YBM.34.21.1235	YBM_IV 302 - Traction Power Rm: Pull Wire - DC Control	5	10-Dec-20	16-Dec-20	-412				YBM_IV 302 - Traction Power Rm: Pull V	
YBM.34.22.0390	YBM_IV 302 - Traction Power Rm: Pull - Traction Power Cables PS01 to PS04	2	17-Dec-20	18-Dec-20	-411				YBM_IV 302 - Traction Power Rm: Pu	
YBM.34.21.1125	YBM_IV 302 - Traction Power Rm: Install - Negative Feeder Cable Tray	5	17-Dec-20	23-Dec-20	-422				YBM_IV 302 - Traction Power Rm	
YBM.34.21.1205	YBM_IV 302 - Traction Power Rm: Pull & Terminate AC Control Cable	15	03-Dec-20	23-Dec-20	-417				YBM_IV 302 - Traction Power Rm	
YBM.34.21.1245	YBM_IV 302 - Traction Power Rm: Terminate - DC Control	5	17-Dec-20	23-Dec-20	-412				YBM_IV 302 - Traction Power Rm	
YBM.34.21.1255	YBM_IV 302 - Traction Power Rm: Pull Cable - Negative Feeder	5	24-Dec-20	30-Dec-20	-422				YBM_IV 302 - Traction Po	
YBM.34.21.1115	YBM_IV 302 - Traction Power Rm: Pull & Terminate - Supervisory Control Cable	15	16-Dec-20	05-Jan-21	-426				YBM_IV 302 - Tracti	
YBM.34.21.1265	YBM_IV 302 - Traction Power Rm: Terminations - Negative Feeder (By 1256)	5	31-Dec-20	06-Jan-21	-422				YBM_IV 302 - Trac	
Conveyances						145	13-Apr-20 A	04-Jan-21	-415	
Startup & Testing						40	12-Feb-21	08-Apr-21	-443	
No 13-Disp						1880	10-Jul-14 A	24-May-21	64	
Construction STS P-1256						1793	14-May-14 A	24-May-21	64	
Tunnel Concrete						655	26-Apr-18 A	14-Jan-21	-398	
Electrical						1141	14-May-14 A	29-Mar-21	104	
Upper Mezz Level						5	30-Dec-20	05-Jan-21	-436	
Lower Mezz Level						10	30-Nov-20	11-Dec-20	-399	
Platform Level						7	21-Jan-21	29-Jan-21	-424	
No 13-Level						1141	14-May-14 A	29-Mar-21	104	
STS 05 52 13 c	STS_Fab\Deliver: Pipe\Tube Railings (05 52 13)	180	04-Sep-14 A	03-Nov-20 A					STS_Fab\Deliver: Pipe\Tube Railings (05 52 13)	
STS.34.42.0690	STS_Install: Train Control - Remote Feed Boxes- SB Portal to Moscone	1	26-Nov-20	26-Nov-20	-393				STS_Install: Train Control - Remote Feed Boxes- SB Portal to	
STS.34.42.0510	STS_Install: Train Control - ATSC Entry Point Signage - Portal	1	26-Nov-20	26-Nov-20	-391				STS_Install: Train Control - ATSC Entry Point Signage - Porta	
STS.34.42.1070	STS_Install: Train Control - Remote Feed Boxes/Track Heads SB Moscone to Union Square	1	27-Nov-20	27-Nov-20	-393				STS_Install: Train Control - Remote Feed Boxes/Track Head	
STS.34.42.0900	STS_Install: Train Control - ATSC Entry Point Signage - Moscone Station	1	27-Nov-20	27-Nov-20	-391				STS_Install: Train Control - ATSC Entry Point Signage - Mo	
STS.34.42.1440	STS_Install: Train Control - Remote Feed Boxes- SB Union Square to Chinatown	1	27-Nov-20	30-Nov-20	-393				STS_Install: Train Control - Remote Feed Boxes- SB Unio	
STS 34 42 37 c	STS_Fab\Deliver: Transportation: ATCS Wayside Equipment (34 42 37)	180	14-Apr-16 A	30-Nov-20	-592				STS_Fab\Deliver: Transportation: ATCS Wayside Equipr	
STS.34.42.2270	STS_Install: Train Control - Train Control Conduit - & JB's NB Portal To Moscone	4	20-Mar-17 A	30-Nov-20	-435				STS_Install: Train Control - Train Control Conduit - & JB'	
STS.34.42.1270	STS_Install: Train Control - ATSC Entry Point Signage - Union Square Station	1	30-Nov-20	30-Nov-20	-391				STS_Install: Train Control - ATSC Entry Point Signage - U	
STS.34.42.1640	STS_Install: Train Control - ATSC Entry Point Signage - Chinatown	1	01-Dec-20	01-Dec-20	-391				STS_Install: Train Control - ATSC Entry Point Signage -	
STS.26.05.1370	STS_Install: Tunnel Electrical -Lighting Fixtures - SB Chinatown to North Limits	5	27-May-20 A	02-Dec-20	184				STS_Install: Tunnel Electrical -Lighting Fixtures - SB Ch	
STS.34.42.0500	STS_Install: Security - NB Portal Intrusion Devices	2	01-Dec-20	02-Dec-20	-415				STS_Install: Security - NB Portal Intrusion Devices	
STS.34.42.1060	STS_Install: Train Control - Axle Counter Electronics Boxes/Track Heads SB Moscone to Union Squa	6	26-Nov-20	03-Dec-20	-402				STS_Install: Train Control - Axle Counter Electronics B	
STS.34.42.0480	STS_Install: Train Control - Axle Counter Electronics Boxes/Track Heads NB Portal to Moscone	6	26-Nov-20	03-Dec-20	-406				STS_Install: Train Control - Axle Counter Electronics B	

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2020		2021	
						Q4		Q1	
STS.34.42.0490	STS_Install: Train Control - Remote Feed Boxes- NB Portal to Moscone	1	03-Dec-20	03-Dec-20	-396				STS_Install: Train Control - Remote Feed Boxes- NB Portal to Moscone
STS.28.20.1870	STS_Install: - CCTV Camera Equipment Cabinets - CTS Communications Rm	4	30-Nov-20	03-Dec-20	-394				STS_Install: - CCTV Camera Equipment Cabinets - CTS Communications Rm
STS.34.42.0880	STS_Install: Train Control - Remote Feed Boxes- NB Moscone to Union Square	1	04-Dec-20	04-Dec-20	-396				STS_Install: Train Control - Remote Feed Boxes- NB Moscone to Union Square
STS.28.20.2050	STS_Install: - Terminate CCTV Camera Equipment Cabinets - CTS Communications Rm	5	30-Nov-20	04-Dec-20	-394				STS_Install: - Terminate CCTV Camera Equipment Cabinets - CTS Communications Rm
STS.34.42.0600	STS_Install: Train Control - Train Control Signals - SB Portal to Moscone	6	30-Nov-20	07-Dec-20	-422				STS_Install: Train Control - Train Control Signals - SB Portal to Moscone
STS.34.42.1260	STS_Install: Train Control - Remote Feed Boxes- NB Union Square to Chinatown	1	07-Dec-20	07-Dec-20	-396				STS_Install: Train Control - Remote Feed Boxes- NB Union Square to Chinatown
STS.34.42.2370	STS_Install: Train Control - Train Control Pull ATSC Wire & Cable NB Portal To Moscone	4	03-Dec-20	08-Dec-20	-425				STS_Install: Train Control - Train Control Pull ATSC Wire & Cable NB Portal To Moscone
STS.34.42.2310	STS_Install: Train Control - Train Control Conduit - & JB's SB Portal To Moscone	4	20-Mar-17 A	09-Dec-20	-451				STS_Install: Train Control - Train Control Conduit - & JB's SB Portal To Moscone
STS.26.05.1010	STS_Install: Tunnel Electrical - Emerg Tel/SFFD Tel/Blue Lights - SB Moscone to Union Square	3	07-Dec-20	09-Dec-20	-412				STS_Install: Tunnel Electrical - Emerg Tel/SFFD Tel/Blue Lights - SB Moscone to Union Square
STS.34.23.1230	STS_Install: Tunnel Electrical - OCS Catenary Hangers - NB Union Square to Chinatown	5	16-Mar-20 A	10-Dec-20	-465				STS_Install: Tunnel Electrical - OCS Catenary Hangers - NB Union Square to Chinatown
STS.34.42.0410	STS_Install: Train Control - Train Control Signals - NB Portal to Moscone	6	03-Dec-20	10-Dec-20	-415				STS_Install: Train Control - Train Control Signals - NB Portal to Moscone
STS.34.420.870	STS_Install: Train Control - Axle Counter Electronics Boxes/Track Heads- NB Moscone to Union Squa	6	04-Dec-20	11-Dec-20	-406				STS_Install: Train Control - Axle Counter Electronics Boxes/Track Heads- NB Moscone to Union Squa
STS.34.42.1800	STS_Install: Train Control - Axle Counter Electronics Boxes/Track Heads SB Union Square to Chinatr	6	03-Dec-20	11-Dec-20	-402				STS_Install: Train Control - Axle Counter Electronics Boxes/Track Heads SB Union Square to Chinatr
STS.26.05.1715	STS_Install: Tunnel Electrical - Traction Power Connection Boxes/OCS Risers SB17- SB Chinatown	2	05-Aug-19 A	11-Dec-20	-402				STS_Install: Tunnel Electrical - Traction Power Connection Boxes/OCS Risers SB17- SB Chinatown
STS.34.42.2260	STS_Install: Train Control - Train Control Conduit - & JB's NB Moscone to Union Square	13	12-Mar-18 A	14-Dec-20	-435				STS_Install: Train Control - Train Control Conduit - & JB's NB Moscone to Union Square
STS.34.23.1940	STS_Install: Tunnel Electrical - OCS Steady Arm Assemblies - NB Moscone to Union Square	7	03-Aug-20 A	14-Dec-20	-474				STS_Install: Tunnel Electrical - OCS Steady Arm Assemblies - NB Moscone to Union Square
STS.26.05.3820	STS_Install: Tunnel Electrical - Pull & Terminate Emerg Tel/SFFD Tel/Blue Lights - SB Moscone to U	3	10-Dec-20	14-Dec-20	-400				STS_Install: Tunnel Electrical - Pull & Terminate Emerg Tel/SFFD Tel/Blue Lights - SB Moscone to U
STS.34.42.0710	STS_Install: Train Control - SB ATSC Entry Point Signage - Portal	1	15-Dec-20	15-Dec-20	-404				STS_Install: Train Control - SB ATSC Entry Point Signage - Portal
STS.34.42.0980	STS_Install: Train Control - Train Control Signals - SB Moscone to Union Square	6	08-Dec-20	15-Dec-20	-422				STS_Install: Train Control - Train Control Signals - SB Moscone to Union Square
STS.34.23.1860	STS_Install: Tunnel Electrical - OCS Wires, Spacers, Insulators - NB Portal To Moscone	4	10-Dec-20	15-Dec-20	-475				STS_Install: Tunnel Electrical - OCS Wires, Spacers, Insulators - NB Portal To Moscone
STS.34.23.1220	STS_Install: Tunnel Electrical - OCS Elastic Arm Assemblies - NB Union Square to Chinatown	3	03-Aug-20 A	15-Dec-20	-461				STS_Install: Tunnel Electrical - OCS Elastic Arm Assemblies - NB Union Square to Chinatown
STS.34.42.1090	STS_Install: Train Control - SB ATSC Entry Point Signage - Moscone	1	16-Dec-20	16-Dec-20	-404				STS_Install: Train Control - SB ATSC Entry Point Signage - Moscone
STS.28.20.2020	STS_Install: - SCADA System Terminations - UMS Communications Rm	10	03-Dec-20	16-Dec-20	-402				STS_Install: - SCADA System Terminations - UMS Communications Rm
STS.26.05.2000	STS_Install: Tunnel Electrical - Emerg Tel/SFFD Tel/Blue Lights - NB Chinatown to North Limits	2	15-Dec-20	16-Dec-20	-404				STS_Install: Tunnel Electrical - Emerg Tel/SFFD Tel/Blue Lights - NB Chinatown to North Limits
STS.28.20.1810	STS_Install: Tunnel Electrical - CCTV Cameras - SB Chinatown to North Limits	2	15-Dec-20	16-Dec-20	-403				STS_Install: Tunnel Electrical - CCTV Cameras - SB Chinatown to North Limits
STS.26.05.3790	STS_Install: Tunnel Electrical - Pull & Terminate Emerg Tel/SFFD Tel/Blue Lights - NB Union Square	5	10-Dec-20	16-Dec-20	-402				STS_Install: Tunnel Electrical - Pull & Terminate Emerg Tel/SFFD Tel/Blue Lights - NB Union Square
STS.34.42.1460	STS_Install: Train Control - SB ATSC Entry Point Signage - Union Square	1	17-Dec-20	17-Dec-20	-404				STS_Install: Train Control - SB ATSC Entry Point Signage - Union Square
STS.34.42.0790	STS_Install: Train Control - Train Control Signals - NB Moscone to Union Square	6	11-Dec-20	18-Dec-20	-415				STS_Install: Train Control - Train Control Signals - NB Moscone to Union Square
STS.34.42.1820	STS_Install: Train Control - SB ATSC Entry Point Signage - Chinatown	1	18-Dec-20	18-Dec-20	-404				STS_Install: Train Control - SB ATSC Entry Point Signage - Chinatown
STS.34.42.2330	STS_Install: Train Control - Train Control Pull ATSC Wire & Cable SB Portal To Moscone	4	15-Dec-20	18-Dec-20	-432				STS_Install: Train Control - Train Control Pull ATSC Wire & Cable SB Portal To Moscone
STS.26.05.3800	STS_Install: Tunnel Electrical - Pull & Terminate Emerg Tel/SFFD Tel/Blue Lights - NB Chinatown to	2	17-Dec-20	18-Dec-20	-404				STS_Install: Tunnel Electrical - Pull & Terminate Emerg Tel/SFFD Tel/Blue Lights - NB Chinatown to
STS.34.42.1250	STS_Install: Train Control - Axle Counter Electronics Boxes/Track Heads NB Union Square to Chinatr	6	11-Dec-20	21-Dec-20	-406				STS_Install: Train Control - Axle Counter Electronics Boxes/Track Heads NB Union Square to Chinatr
STS.34.23.1950	STS_Install: Tunnel Electrical - OCS Steady Arm Assemblies - NB Union Square to Chinatown	7	03-Aug-20 A	21-Dec-20	-465				STS_Install: Tunnel Electrical - OCS Steady Arm Assemblies - NB Union Square to Chinatown
STS.26.05.1960	STS_Install: Tunnel Electrical - Comm/TC Cable Tray - SB Tunnel Wireduct Interface - South Platform	5	15-Dec-20	21-Dec-20	-428				STS_Install: Tunnel Electrical - Comm/TC Cable Tray - SB Tunnel Wireduct Interface - South Platform
STS.26.05.2060	STS_Install: Tunnel Electrical - Comm/TC Conduit & Pull Boxes - SB Tunnel Wireduct Interface - @ I	5	15-Dec-20	21-Dec-20	-420				STS_Install: Tunnel Electrical - Comm/TC Conduit & Pull Boxes - SB Tunnel Wireduct Interface - @ I
STS.34.42.1720	STS_Install: Train Control - Train Control Signals - SB Union Square to Chinatown	6	16-Dec-20	23-Dec-20	-422				STS_Install: Train Control - Train Control Signals - SB Union Square to Chinatown
STS.26.05.2160	STS_Install: Traction Power - Install Conduit/TP SCADA Cable to Existing FODP Panel @ King SubS	10	10-Dec-20	23-Dec-20	-432				STS_Install: Traction Power - Install Conduit/TP SCADA Cable to Existing FODP Panel @ King SubS
STS.34.42.1620	STS_Install: Train Control - Axle Counter Electronics Boxes/Track Heads NB Chinatown to North Limi	1	24-Dec-20	24-Dec-20	-408				STS_Install: Train Control - Axle Counter Electronics Boxes/Track Heads NB Chinatown to North Limi
STS.34.42.1630	STS_Install: Train Control - Remote Feed Boxes- NB Chinatown to North Limits	1	24-Dec-20	24-Dec-20	-408				STS_Install: Train Control - Remote Feed Boxes- NB Chinatown to North Limits
STS.34.42.1810	STS_Install: Train Control - Remote Feed Boxes- SB Chinatown to North Limits	1	24-Dec-20	24-Dec-20	-410				STS_Install: Train Control - Remote Feed Boxes- SB Chinatown to North Limits
STS.34.42.1430	STS_Install: Train Control - Axle Counter Electronics Boxes/Track Heads SB Chinatown to North Limi	1	24-Dec-20	24-Dec-20	-410				STS_Install: Train Control - Axle Counter Electronics Boxes/Track Heads SB Chinatown to North Limi
STS.34.23.1600	STS_Install: Tunnel Electrical - OCS Catenary Hangers - NB Chinatown to North Limits	2	16-Mar-20 A	25-Dec-20	-419				STS_Install: Tunnel Electrical - OCS Catenary Hangers - NB Chinatown to North Limits
STS.34.22.3170	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB SB09 To SB05 - UMS To MC	3	23-Dec-20	25-Dec-20	-454				STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB SB09 To SB05 - UMS To MC
STS.34.42.0520	STS_Install: Train Control - NB Switch Machines @ Chinatown Crossover	2	19-Aug-19 A	25-Dec-20	-409				STS_Install: Train Control - NB Switch Machines @ Chinatown Crossover
STS.34.42.100	STS_Transportation: Surface Signaling System - Testing & Startup	30	28-Nov-20	27-Dec-20	-584				STS_Transportation: Surface Signaling System - Testing & Startup
STS.34.42.2280	STS_Install: Train Control - Train Control Conduit - & JB's NB Union Square to Chinatown	14	20-Apr-16 A	28-Dec-20	-435				STS_Install: Train Control - Train Control Conduit - & JB's NB Union Square to Chinatown
STS.34.23.1590	STS_Install: Tunnel Electrical - OCS Elastic Arm Assemblies - NB Chinatown to North Limits	1	27-Jul-20 A	28-Dec-20	-415				STS_Install: Tunnel Electrical - OCS Elastic Arm Assemblies - NB Chinatown to North Limits
STS.34.22.3010	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB SB04 To PS-02 - MOS I	4	23-Dec-20	28-Dec-20	-455				STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB SB04 To PS-02 - MOS I
STS.34.42.1350	STS_Install: Train Control - Train Control Signals - SB Chinatown to North Limits	3	24-Dec-20	28-Dec-20	-412				STS_Install: Train Control - Train Control Signals - SB Chinatown to North Limits
STS.34.22.2980	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB SB09 To SB05 - UMS To	10	04-May-20 A	28-Dec-20	-455				STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB SB09 To SB05 - UMS To

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2020		2021	
						Q4		Q1	
STS.34.42.1170	STS_Install: Train Control - Train Control Signals - NB Union Square to Chinatown	6	21-Dec-20	28-Dec-20	-415				STS_Install: Train Control -
STS.34.42.2120	STS_Install: Train Control - ATSC Power Panels - Chinatown Station Control Room	4	24-Dec-20	29-Dec-20	-428				STS_Install: Train Control -
STS.34.42.2160	STS_Install: Train Control - ATSC 5KVA UPS Battery Cabinet - Union Square Station Control Room	2	28-Dec-20	29-Dec-20	-430				STS_Install: Train Control -
STS.34.23.2600	STS_Install: OCS System - Install OCS Trolley Wire In 4th St - Townsend To King Street	2	28-Dec-20	29-Dec-20	-448				STS_Install: OCS System -
STS.34.22.3160	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PS-06 To PFCB SB09 - UMS Sour	1	29-Dec-20	29-Dec-20	-455				STS_Install: Tunnel Electr
STS.34.42.2020	STS_Install: Train Control - ATSC Emergency Feed In Device - Moscone Station Control Room	3	25-Dec-20	29-Dec-20	-431				STS_Install: Train Control -
STS.34.22.3190	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB SB05 To PS-03 - MOS Nort	1	29-Dec-20	29-Dec-20	168				STS_Install: Tunnel Electr
STS.26.05.3510	STS_Install: Lighting - 4th/Brannan Station	10	19-Feb-18 A	30-Dec-20	-412				STS_Install: Lighting - 4th
STS.20.71.550	STS_Manufacture - PCC SCADA Equipment	20	17-Jan-20 A	30-Dec-20	-432				STS_Manufacture - PCC S
STS.34.22.2970	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PS-06 To PFCB SB09 - UMS	2	01-Jun-20 A	30-Dec-20	-455				STS_Install: Tunnel Electr
STS.34.23.1410	STS_Install: Tunnel Electrical - OCS Catenary Hangers - SB Chinatown to North Limits	5	09-Mar-20 A	30-Dec-20	-422				STS_Install: Tunnel Electr
STS.26.05.2070	STS_Install: Traction Power - Remove Existing Mimic Panel Equipment @ PCC	5	24-Dec-20	30-Dec-20	-432				STS_Install: Traction Pow
STS.34.41.2120	STS_Install; Traffic Signal Displays 4th St/King	3	28-Dec-20	30-Dec-20	-443				STS_Install; Traffic Signal
STS.26.05.1750	STS_Install: Tunnel Electrical - Emerg Tel/SFFD Tel/Blue Lights - SB Union Square to Chinatown	3	28-Dec-20	30-Dec-20	-415				STS_Install: Tunnel Electr
STS 34 42 39 c	STS_Fab\Deliver: Transportation: ATCS Central Equipment (34 42 39)	10	22-Dec-20	31-Dec-20	-609				STS_Fab\Deliver: Transp
STS.34.42.2110	STS_Install: Train Control - ATSC Transformer - Chinatown Station Control Room	2	30-Dec-20	31-Dec-20	-428				STS_Install: Train Control
STS.34.23.1400	STS_Install: Tunnel Electrical - OCS Elastic Arm Assemblies - SB Chinatown to North Limits	1	27-Jul-20 A	31-Dec-20	-418				STS_Install: Tunnel Elec
STS.34.22.3150	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB SB10 To PS-03 - UMS Nort	1	31-Dec-20	31-Dec-20	-455				STS_Install: Tunnel Elec
STS.28.20.0950	STS_Install: Tunnel Electrical - CCTV Conduit - & JB's SB Moscone to Union Square	13	13-Dec-19 A	31-Dec-20	-430				STS_Install: Tunnel Elec
STS.34.42.1540	STS_Install: Train Control - Train Control Signals - NB Chinatown to North Limits	3	29-Dec-20	31-Dec-20	-415				STS_Install: Train Control
STS.34.01.24.100	STS_: PA/PDS Software: Operation control Center (34 01 24)	30	18-Dec-19 A	01-Jan-21	-619				STS_: PA/PDS Software:
STS.34.01.24.130	STS_: Cable Installation: Operation control Center (34 01 24)	30	27-Jul-20 A	01-Jan-21	-619				STS_: Cable Installation:
STS.34.23.1960	STS_Install: Tunnel Electrical - OCS Steady Arm Assemblies - NB Chinatown to North Limits	5	03-Aug-20 A	01-Jan-21	-419				STS_Install: Tunnel Elec
STS.26.05.3880	STS_Install: Tunnel Electrical - Pull/Terminate Power & Lighting - SB Union Square to Chinatown	5	03-Aug-20 A	01-Jan-21	162				STS_Install: Tunnel Elec
STS.34.23.100	STS_Install: Utilities: Install Fiber Optic Ductbank From (E) Pullbox to (E) MH 1879 - King St/4th Stre	5	28-Dec-20	01-Jan-21	-427				STS_Install: Utilities: Ins
STS.34.42.1940	STS_Install: Surface Signaling - TS Case No. 1 - 4th/King	5	26-Feb-20 A	01-Jan-21	-414				STS_Install: Surface Sig
STS.34.42.2010	STS_Install: Train Control - ATSC Feed In Device - Moscone Station Control Room	3	30-Dec-20	01-Jan-21	-431				STS_Install: Train Control
STS.34.42.2040	STS_Install: Train Control - ATSC Power Panels - Moscone Station Control Room	3	30-Dec-20	01-Jan-21	-431				STS_Install: Train Control
STS 28 20 05 c	STS_Fab\Deliver: Security: CCTV System (28 20 05)	180	03-Sep-14 A	04-Jan-21	-614				STS_Fab\Deliver: Se
STS.34.42.2170	STS_Install: Train Control - ATSC Communication Cable Termination Frame - Union Square Station (4	30-Dec-20	04-Jan-21	-430				STS_Install: Train Co
STS.34.42.2200	STS_Install: Train Control - ATSC Transformer - Union Square Station Control Room	2	01-Jan-21	04-Jan-21	-430				STS_Install: Train Co
STS.34.22.2960	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB SB10 To PS-03 - UMS	2	01-Jan-21	04-Jan-21	-455				STS_Install: Tunnel E
STS.34.23.1850	STS_Install: Tunnel Electrical - OCS Wires. Spacers, Insulators - NB Moscone to Union Square	14	16-Dec-20	04-Jan-21	-475				STS_Install: Tunnel E
STS.34.42.2250	STS_Install: Train Control - Train Control Conduit - & JB's NB Chinatown to North Limits	5	29-Dec-20	04-Jan-21	-417				STS_Install: Train Co
STS.34.41.2100	STS_Install; Traffic Signal Displays 4th St/Harrison	3	31-Dec-20	04-Jan-21	-443				STS_Install; Traffic Si
STS.26.05.3830	STS_Install: Tunnel Electrical - Pull & Terminate Emerg Tel/SFFD Tel/Blue Lights - SB Union Square	3	31-Dec-20	04-Jan-21	-415				STS_Install: Tunnel E
STS.26.05.1310	STS_Install: Tunnel Electrical - Telephone Conduit - & JB's SB Chinatown to North Limits	7	27-May-20 A	05-Jan-21	-417				STS_Install: Tunnel
STS.34.42.2030	STS_Install: Train Control - ATSC Transformer - Moscone Station Control Room	2	04-Jan-21	05-Jan-21	-431				STS_Install: Train C
STS.34.23.2000	STS_Install: Tunnel Electrical - OCS Steady Arm Assemblies - SB Chinatown to North Limits	5	27-Jul-20 A	06-Jan-21	-422				STS_Install: Tunne
STS.26.05.3890	STS_Install: Tunnel Electrical - Pull/Terminate Power & Lighting - SB Chinatown to North Limits	3	30-Sep-20 A	06-Jan-21	162				STS_Install: Tunne
STS.34.42.1880	STS_Install: Surface Signaling - Interlocking Signals & Poles 21/23 - 4th/King	8	06-Jul-20 A	06-Jan-21	-417				STS_Install: Surfac
STS.34.23.1900	STS_Install: Tunnel Electrical - OCS Wires. Spacers, Insulators - SB Moscone to Union Square	14	18-Dec-20	06-Jan-21	-429				STS_Install: Tunne
STS.28.20.1720	STS_Install: Tunnel Electrical - CCTV Cameras - NB Portal To Moscone	2	05-Jan-21	06-Jan-21	-431				STS_Install: Tunne
STS.26.05.2080	STS_Install: Traction Power - New Equipment Display Rack @ PCC	5	31-Dec-20	06-Jan-21	-432				STS_Install: Tractio
STS.26.05.2210	STS_Install: Traction Power -Terminate FODP Panel @ Moscone Folsom SubStation	3	04-Jan-21	06-Jan-21	-427				STS_Install: Tractio
STS.26.05.1380	STS_Install: Tunnel Electrical - Emerg Tel/SFFD Tel/Blue Lights - SB Chinatown to North Limits	2	06-Jan-21	07-Jan-21	-417				STS_Install: Tun
STS.28.20.1760	STS_Install: Tunnel Electrical - CCTV Pull Wire & Terminate NB Portal To Moscone	2	07-Jan-21	08-Jan-21	-424				STS_Install: Tun
STS.34.41.2040	STS_Install; Traffic Signal Controllers 4th St	11	09-Oct-17 A	11-Jan-21	-443				STS_Install; T
STS.26.05.3840	STS_Install: Tunnel Electrical - Pull & Terminate Emerg Tel/SFFD Tel/Blue Lights - SB Chinatown to	2	08-Jan-21	11-Jan-21	-417				STS_Install: T
STS.26.05.2140	STS_Install: Traction Power - Make Fiber Node Connections From King SubStation @PCC (Fiber by	5	07-Jan-21	13-Jan-21	-432				STS_Install;

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2020		2021	
							Q4		Q1
STS.28.20.1730	STS_Install: Tunnel Electrical - CCTV Cameras - NB Moscone to Union Square	5	07-Jan-21	13-Jan-21	-431				STS_Install:
STS.26.05.2090	STS_Install: Traction Power - Video Displays & Cabling @ PCC	10	31-Dec-20	13-Jan-21	-432				STS_Install:
STS.26.05.2100	STS_Install: Traction Power - PCI & TP SCADA Servers @ PCC	10	31-Dec-20	13-Jan-21	-432				STS_Install:
STS.26.05.2130	STS_Install: Traction Power - Make Fiber Node Connections From YBM Folsom SubStation @PCC	5	07-Jan-21	13-Jan-21	-432				STS_Install:
STS.34.42.2300	STS_Install: Train Control - Train Control Conduit - & JB's SB Moscone to Union Square	13	12-Mar-18 A	14-Jan-21	-451				STS_Install:
STS.28.20.1970	STS_Install: - SCADA Terminations YBM Communications Rm	10	01-Jan-21	14-Jan-21	-423				STS_Install:
STS.34.22.2950	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB SB16 To SB10 - CTS T	15	27-Jul-20 A	14-Jan-21	-455				STS_Install:
STS.34.22.3140	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB SB16 To SB10 - CTS To UV	3	12-Jan-21	14-Jan-21	-430				STS_Install:
STS.28.20.1770	STS_Install: Tunnel Electrical - CCTV Pull Wire & Terminate NB Moscone to Union Square	2	14-Jan-21	15-Jan-21	-427				STS_Install:
STS.34.23.1920	STS_Install: Tunnel Electrical - OCS Wires, Spacers, Insulators - SB Union Square to Chinatown	12	31-Dec-20	15-Jan-21	-429				STS_Install:
STS.34.41.1990	STS_Demo/Salvage; Traffic Signals 4th St	15	17-Apr-17 A	18-Jan-21	-443				STS_D
STS.27.42.100	STS_Install: Comm: Platform Display System (27 42 16)	15	12-Aug-19 A	18-Jan-21	-425				STS_Ir
STS.34.22.2940	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PS-8 To PFCB SB16 - CTS Sc	3	05-Oct-20 A	19-Jan-21	-430				STS_
\	CTS_Fab\Deliver: Transportation: Traction Power SCADA System (34 23 10)	180	14-May-14 A	20-Jan-21	-602				CTS_
STS.34.42.0580	STS_Install: Train Control - Train Control Cable Loop System SB Portal To Moscone	4	13-May-19 A	20-Jan-21	-455				STS_
STS.34.22.3130	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PS-8 To PFCB SB16 - CTS South	1	20-Jan-21	20-Jan-21	-430				STS_
STS.34.23.1870	STS_Install: Tunnel Electrical - OCS Wires, Spacers, Insulators - NB Union Square to Chinatown	12	05-Jan-21	20-Jan-21	-475				STS_
STS.26.05.2120	STS_Install: Traction Power - Make Fiber Node Connections From UMS Gap Breaker Station @PCC	5	14-Jan-21	20-Jan-21	-432				STS_
STS.34.42.2390	STS_Install: Train Control - Train Control Pull ATSC Wire & Cable NB Union Square to Chinatown	14	01-Jan-21	20-Jan-21	-429				STS_
STS 34.42.390	STS_Install: Transportation: ATCS Central Equipment - Lennox OCC	15	01-Jan-21	21-Jan-21	-428				STS_
STS 34.42.400	STS_Install: Transportation: ATCS Central Equipment - Transportation Mgmt Center (TMC)	15	01-Jan-21	21-Jan-21	-428				STS_
STS.34.23.2620	STS_Install: OCS System - Install OCS Trolley Wire & Special Work In 4th St/Townsend Street - Inte	17	30-Dec-20	21-Jan-21	-448				STS_
STS.28.20.1740	STS_Install: Tunnel Electrical - CCTV Cameras - NB Union Square to Chinatown	6	14-Jan-21	21-Jan-21	-431				STS_
STS.34.42.2400	STS_Install: Train Control - Train Control Pull ATSC Wire & Cable NB Chinatown to North Limits	2	21-Jan-21	22-Jan-21	-429				ST
STS.34.22.2900	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB03 To NB01 - MOS Tr	8	04-May-20 A	22-Jan-21	-475				ST
STS.34.22.2930	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB SB17 To PS-5 - Chinat	2	12-Oct-20 A	22-Jan-21	-430				ST
STS.34.23.1890	STS_Install: Tunnel Electrical - OCS Wires, Spacers, Insulators - SB Chinatown to North Limits	5	18-Jan-21	22-Jan-21	-429				ST
STS.28.20.1320	STS_Install: Tunnel Electrical - CCTV Conduit - & JB's SB Chinatown to North Limits	16	27-May-20 A	22-Jan-21	-430				ST
STS.34.41.2000	STS_Install; Traffic Signals 4th St	15	24-Apr-17 A	25-Jan-21	-443				
STS.28.20.1850	STS_Install: Tunnel Electrical - CCTV Pull Wire & Terminate SB Chinatown to North Limits	1	25-Jan-21	25-Jan-21	-430				
STS.34.22.3120	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB SB17 To PS-5 - Chinatown	1	25-Jan-21	25-Jan-21	-430				
STS.34.23.2590	STS_Install: OCS System - Install OCS Trolley Wire In 4th St - Bluxome To Townsend	2	22-Jan-21	25-Jan-21	-437				
STS.28.20.1710	STS_Install: Tunnel Electrical - CCTV Cameras NB Chinatown to North Limits	2	22-Jan-21	25-Jan-21	-431				
STS.28.20.1780	STS_Install: Tunnel Electrical - CCTV Pull Wire & Terminate NB Union Square to Chinatown	2	22-Jan-21	25-Jan-21	-431				
STS.34.42.2530	STS_Install: Train Control - ATSC Wire Pulls & Terminations - Union Square Station Control Room	15	05-Jan-21	25-Jan-21	-430				
STS.34.22.3090	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB03 To NB01 - MOS To Poi	2	09-Nov-20 A	26-Jan-21	-475				
STS.28.20.1750	STS_Install: Tunnel Electrical - CCTV Pull Wire & Terminate NB Chinatown to North Limits	1	26-Jan-21	26-Jan-21	-431				
STS.34.42.2540	STS_Install: Train Control - ATSC Wire Pulls & Terminations - Moscone Station Control Room	15	06-Jan-21	26-Jan-21	-431				
STS.34.23.1840	STS_Install: Tunnel Electrical - OCS Wires, Spacers, Insulators - NB Chinatown to North Limits	5	21-Jan-21	27-Jan-21	-432				
STS.26.05.2110	STS_Install: Traction Power - Make Fiber Node Connections From CTS Washington Substation @ P	5	21-Jan-21	27-Jan-21	-432				
STS.34.42.2320	STS_Install: Train Control - Train Control Conduit - & JB's SB Union Square to Chinatown	14	21-Apr-16 A	28-Jan-21	-448				
STS.34.22.2880	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PS-04 To PFCB NB11 - UMS :	2	03-Aug-20 A	28-Jan-21	-474				
STS.34.41.2130	STS_Install; Traffic Signal Displays 5th St/Brannan	3	26-Jan-21	28-Jan-21	-443				
STS.34.23.2640	STS_Install: OCS System - Install OCS Trolley Wire In 5th Street To Brannan	6	22-Jan-21	29-Jan-21	-448				
STS.10.14.3520	STS_Install: Platform Signage - 4th/Brannan Station	10	18-Jan-21	29-Jan-21	-414				
STS.34.01.24.150	STS_: PA/PDS: Operation control Center (34 01 24)	30	30-Jul-18 A	31-Jan-21	-619				
STS.34.01.24.110	STS_: Testing Cutover: Operation control Center (34 01 24)	30	02-Jan-21	31-Jan-21	-619				
STS.34.01.24.120	STS_: System Integration: Operation control Center (34 01 24)	30	02-Jan-21	31-Jan-21	-619				
STS.34.01.24.160	STS_: FSS: Operation control Center (34 01 24)	30	06-May-19 A	31-Jan-21	-619				
STS.34.01.24.170	STS_: CCTV & Access Control: Operation control Center (34 01 24)	30	25-May-20 A	31-Jan-21	-619				

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2020		2021
						Q4		Q1
STS.34.01.24.180	STS_: Network Communication: Operation control Center (34 01 24)	30	02-Jan-21	31-Jan-21	-619			
STS.34.01.24.200	STS_: AV Management: Operation control Center (34 01 24)	30	25-May-20 A	31-Jan-21	-619			
STS.34.01.24.210	STS_: Integrated Human Machine Interface (IHMI) System: Operation control Center (34 01 24)	30	25-May-20 A	31-Jan-21	-619			
STS.34.01.24.220	STS_: Elevator/ Escalator Remote Monitoring System: Operation control Center (34 01 24)	30	25-May-20 A	31-Jan-21	-619			
STS.34.41.2110	STS_Install; Traffic Signal Displays 4th St/Brannan	5	19-Jun-17 A	01-Feb-21	-443			
STS.34.22.2890	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB11To NB04 - UMS To	8	11-May-20 A	01-Feb-21	-474			
STS.34.22.3280	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - NB Portal Pull Box To MH1890	5	27-Jan-21	02-Feb-21	-475			
STS.34.42.2340	STS_Install: Train Control - Train Control Pull ATSC Wire & Cable SB Moscone to Union Square	13	15-Jan-21	02-Feb-21	-451			
STS.34.22.2910	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PS-05 To PFCB NB10 - UMS	1	01-Jun-20 A	03-Feb-21	-475			
STS.34.41.2010	STS_Install; Traffic Signal Displays 4th S/Bryant	6	07-Jan-19 A	04-Feb-21	-443			
STS.34.42.2290	STS_Install: Train Control - Train Control Conduit - & JB's SB Chinatown to North Limits	5	29-Jan-21	04-Feb-21	-440			
STS 33 71 73 a12	STS_Manufacture: Utilities: Electrical Service Panel	30	28-Dec-20	05-Feb-21	-439			
STS.34.23.2580	STS_Install: OCS System - Install OCS Trolley Wire In 4th St - Brannan To Bluxome	9	26-Jan-21	05-Feb-21	-407			
STS.34.23.2630	STS_Install: OCS System - Install OCS Trolley Wire In Townsend Street To 5th Street	11	09-Mar-20 A	05-Feb-21	-448			
STS.34.22.2920	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB10 To NB06 - UMS Tc	7	04-May-20 A	05-Feb-21	-475			
STS.01.64.100	STS_Install:Owner Next Bus Signs @ 4th/Brannon Station	5	01-Feb-21	05-Feb-21	-414			
STS.34.42.0960	STS_Install: Train Control - Train Control Cable Loop System SB Moscone to Union Square	12	21-Jan-21	05-Feb-21	-455			
STS.34.22.3070	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PS-04 To PFCB NB11 - UMS Sout	1	08-Feb-21	08-Feb-21	-475			
STS.34.23.2570	STS_Install: OCS System - Install OCS Trolley Wire In 4th St - Freelon To Brannan	2	08-Feb-21	09-Feb-21	-407			
STS.34.23.2650	STS_Install: OCS System - Install OCS Trolley Wire In Brannan To 4th Street	2	08-Feb-21	09-Feb-21	-448			
STS.34.41.2030	STS_Pull & Terminate Traffic Signal Wiring 4th St	16	24-Apr-17 A	11-Feb-21	-443			
STS.34.22.3080	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB05 To NB04 - UMS To MC	3	09-Feb-21	11-Feb-21	-475			
STS.34.23.2560	STS_Install: OCS System - Install OCS Trolley Wire In 4th St - Welsh To Freelon	2	10-Feb-21	11-Feb-21	-407			
STS.34.22.3100	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PS-05 To PFCB NB10 - UMS Sour	1	12-Feb-21	12-Feb-21	-475			
STS 10 41 00 d1	STS_Prep\Submit: Display Case Mockup	30	16-Jan-21	14-Feb-21	-602			
STS 06 10 53 c	STS_Fab\Deliver: Wood Trough (06 10 53)	30	16-Jan-21	14-Feb-21	-573			
STS.34.22.3110	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB10 To NB06 - UMS To MC	1	15-Feb-21	15-Feb-21	-475			
STS.34.23.3700	STS_Install: OCS System - Remove/Install Cross Spans in Brannan	4	30-Dec-19 A	15-Feb-21	-448			
STS.34.23.2550	STS_Install: OCS System - Install OCS Trolley Wire In 4th St - Bryant to Welsh	4	12-Feb-21	17-Feb-21	-407			
STS.34.22.2860	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB18 To NB12 - CTS Tr	15	08-Jun-20 A	17-Feb-21	-475			
STS.26.05.0785	STS_Install: Tunnel Electrical - Traction Power Connection Boxes/OCS Risers NB12 To NB18 - NB Ur	7	06-May-19 A	18-Feb-21	-474			
STS.34.23.3710	STS_Install: OCS System - Remove/Install Cross Spans in Townsend	3	30-Dec-19 A	18-Feb-21	-448			
STS.10.41.100	STS_Install: Display Cases Between Windscreens	5	15-Feb-21	19-Feb-21	-424			
STS.34.22.2870	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB12 To PS-01 - UMS	2	18-Feb-21	19-Feb-21	-475			
STS.34.42.2360	STS_Install: Train Control - Train Control Pull ATSC Wire & Cable SB Union Square to Chinatown	13	03-Feb-21	19-Feb-21	-451			
STS 34 01 24 a30	STS_Prep\Submit: Operation control Center- Systems Diagrams (34 01 24)	90	26-May-19 A	23-Feb-21	159			
STS.34.22.2850	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PS-10 To PFCB NB18 - CTS S	2	05-Oct-20 A	23-Feb-21	-475			
STS.34.42.2350	STS_Install: Train Control - Train Control Pull ATSC Wire & Cable SB Chinatown to North Limits	2	22-Feb-21	23-Feb-21	-451			
STS 01 79 00 c2	STS_Submit:O&M Manuals 60 Days Prior to Training	60	11-Nov-19 A	24-Feb-21	-619			
STS.34.22.3040	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PS-10 To PFCB NB18 - CTS Sout	1	24-Feb-21	24-Feb-21	-475			
STS.34.42.2520	STS_Install: Train Control - ATSC Wire Pulls & Terminations - Chinatown Station Control Room	15	04-Feb-21	24-Feb-21	-452			
STS.34.42.1700	STS_Install: Train Control - Train Control Cable Loop System SB Union Square to Chinatown	14	08-Feb-21	25-Feb-21	-455			
STS.20.71.515	STS_Prep\Submit: Sub-Systems Maintainability Demonstration - PCC SCADA Equipment	40	21-Jan-21	01-Mar-21	174			
STS.20.71.525	STS_Prep\Submit: Sub-Systems Maintainability Demonstration - Surface Signalling Systems	40	21-Jan-21	01-Mar-21	-638			
STS.20.71.535	STS_Prep\Submit: Sub-Systems Maintainability Demonstration -Facility SCADA Systems (FSS)	40	21-Jan-21	01-Mar-21	-638			
STS.34.42.1330	STS_Install: Train Control - Train Control Cable Loop System SB Chinatown to North Limits	2	26-Feb-21	01-Mar-21	-455			
STS.34.22.3050	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB18 To NB12 - CTS To U	3	25-Feb-21	01-Mar-21	-475			
STS.34.22.3060	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB12 To PS-01 - UMS Nort	1	02-Mar-21	02-Mar-21	-475			
STS.34.22.2840	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB19 To PS-06 - China	2	05-Oct-20 A	04-Mar-21	-475			
STS.34.22.3030	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB19 To PS-06 - Chinatowr	1	05-Mar-21	05-Mar-21	-475			

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2020		2021
						Q4		Q1
STS.34.42.0390	STS_Install: Train Control - Train Control Cable Loop System NB Portal To Moscone	4	13-May-19 A	08-Mar-21	-475			
STS.34.42.0770	STS_Install: Train Control - Train Control Cable Loop System NB Moscone to Union Square	13	08-Mar-21	24-Mar-21	-475			
STS.34.42.1150	STS_Install: Train Control - Train Control Cable Loop System NB Union Square to Chinatown	14	08-Mar-21	25-Mar-21	-475			
STS.34.42.1520	STS_Install: Train Control - Train Control Cable Loop System NB Chinatown to North Limits	2	26-Mar-21	29-Mar-21	-475			
Electrical - Transportation		10	26-Nov-20	09-Dec-20	-419			
Track System Work		120	06-Jun-16 A	04-Dec-20	-413			
Startup & Testing		40	30-Mar-21	24-May-21	-475			
No 13-Disp		1789	14-May-14 A	24-May-21	64			
Unallocated Contingency		335	30-Nov-20	30-Mar-22	-461			

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:

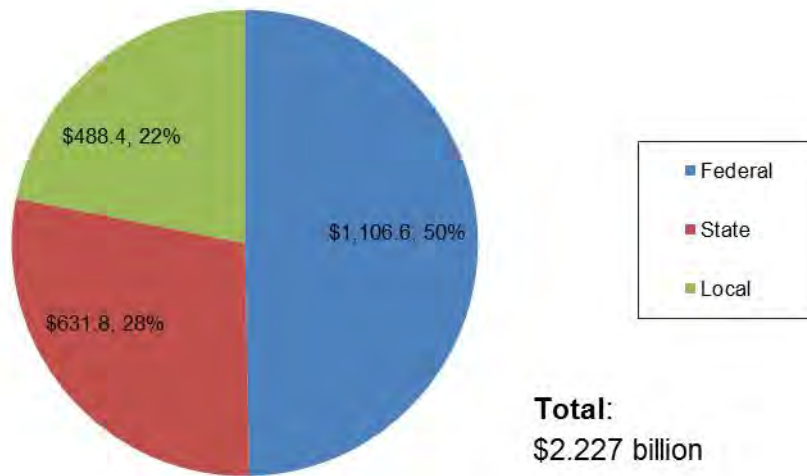
- Phase 1 + Phase 2 of the T Third Line federal, state and local funding percentages previous to the addition of the retrieval shaft relocation budget and funding in December 2013.

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.

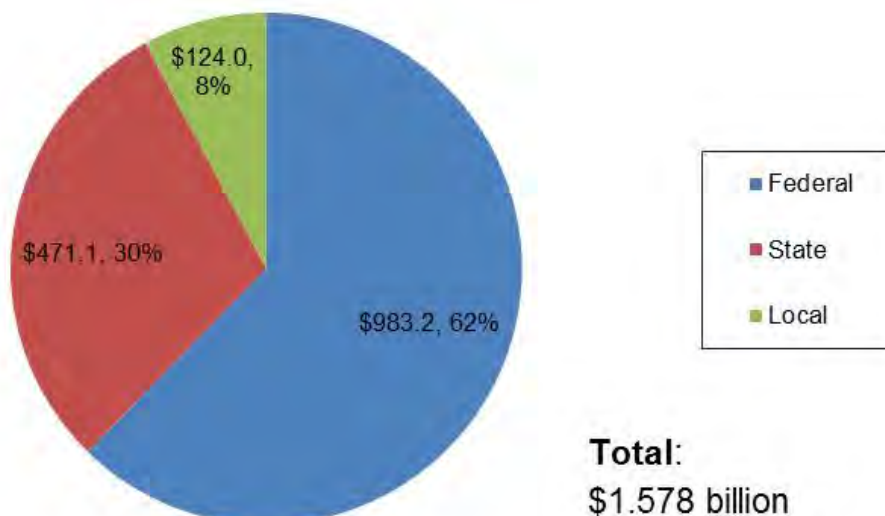
Third Street Light Rail Transit Project Funding

Phase 1 + Phase 2
(\$ in millions)



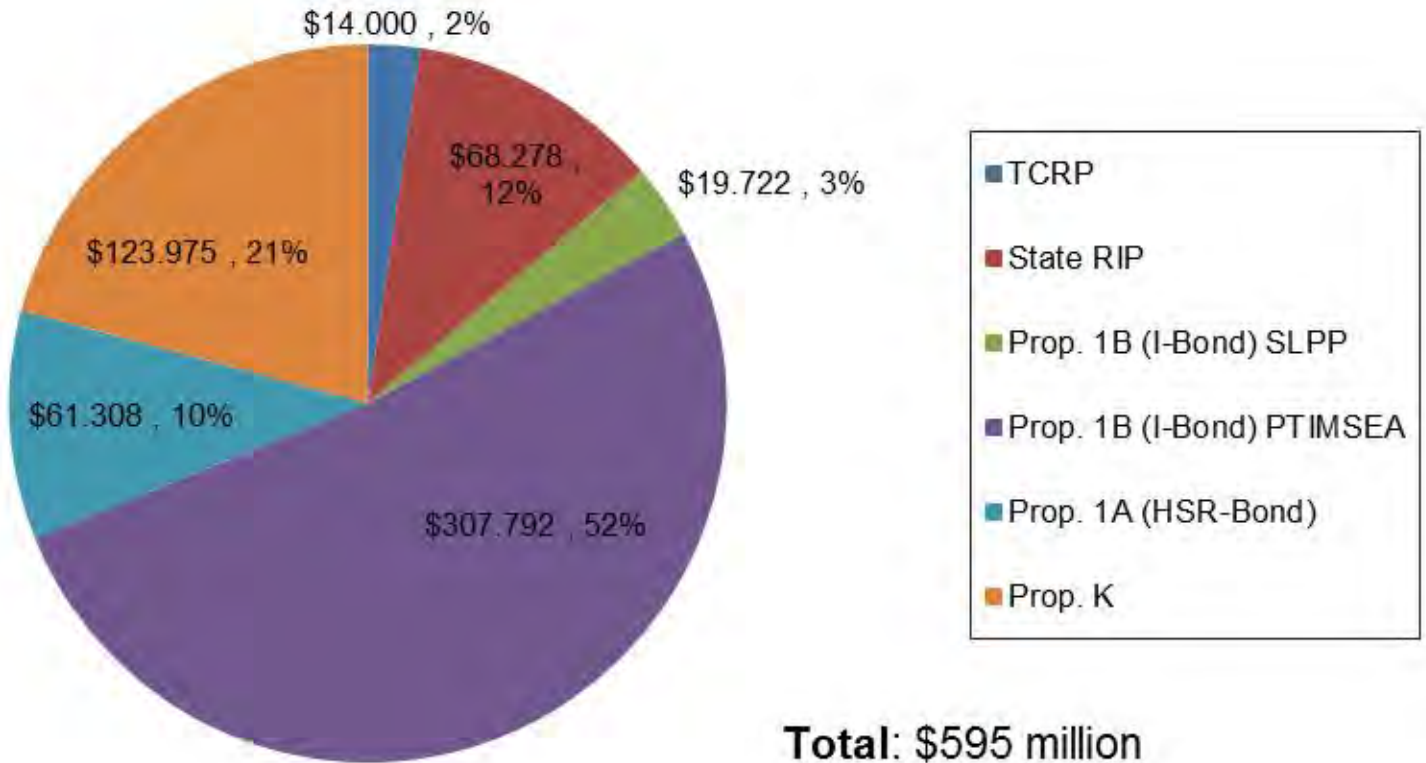
Central Subway Project Funding

Phase 2
(\$ in millions)



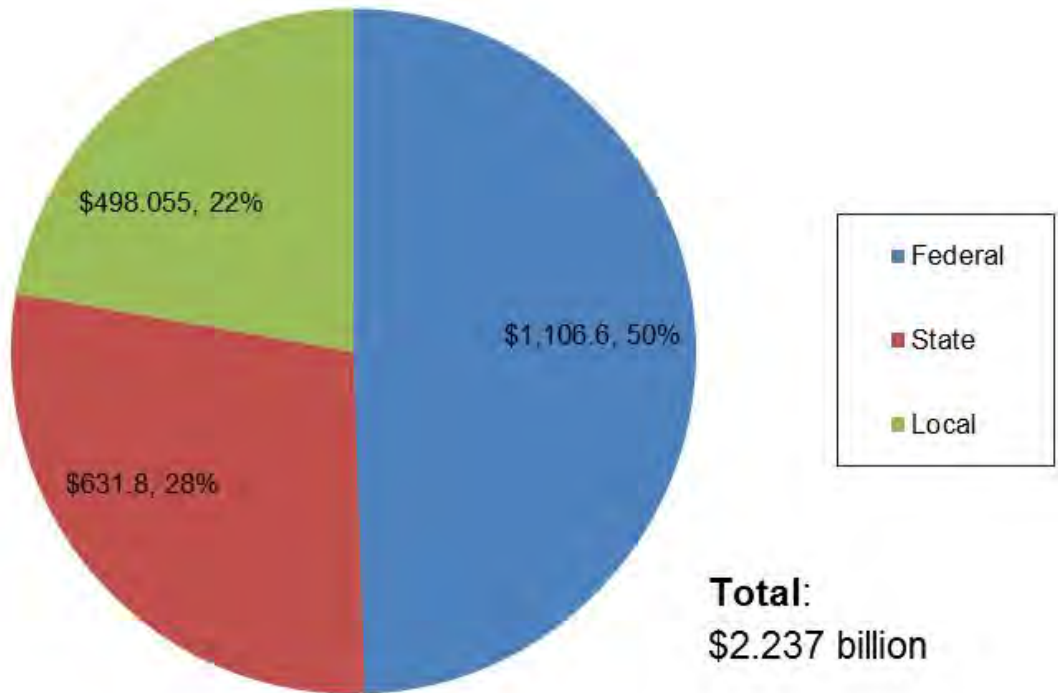
State and Local Funding

Phase 2
(\$ in millions)



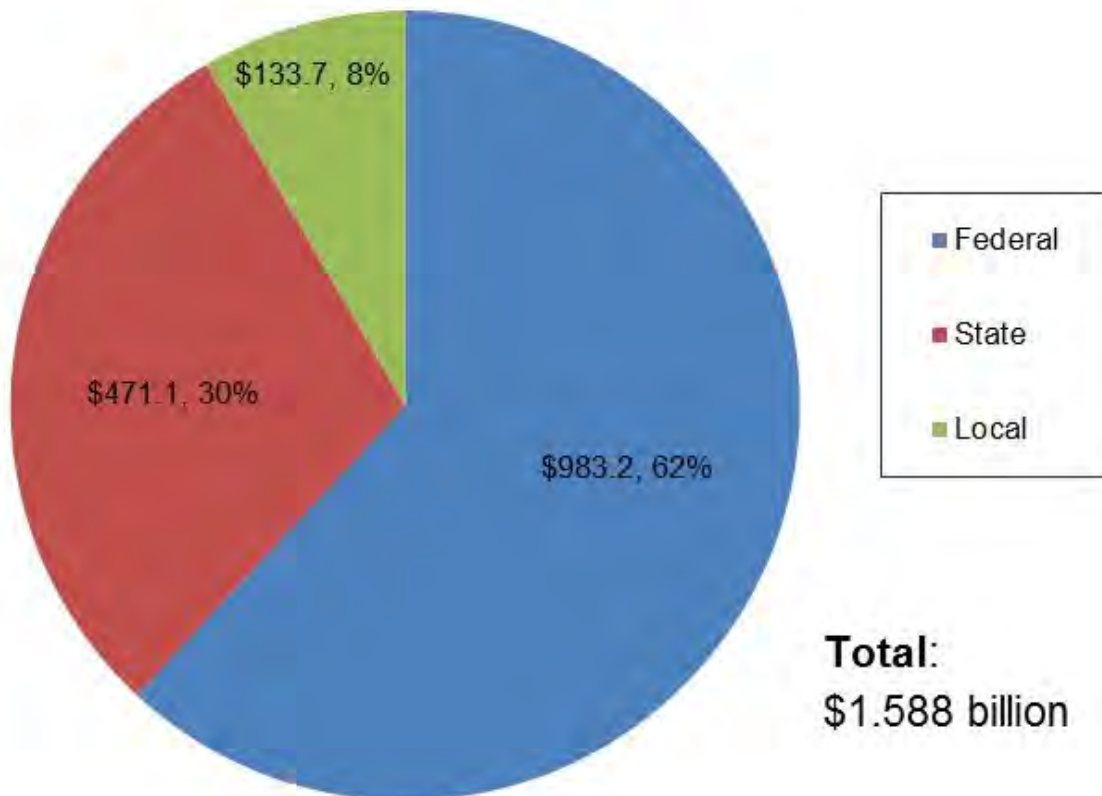
Third Street Light Rail Transit Project Funding

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

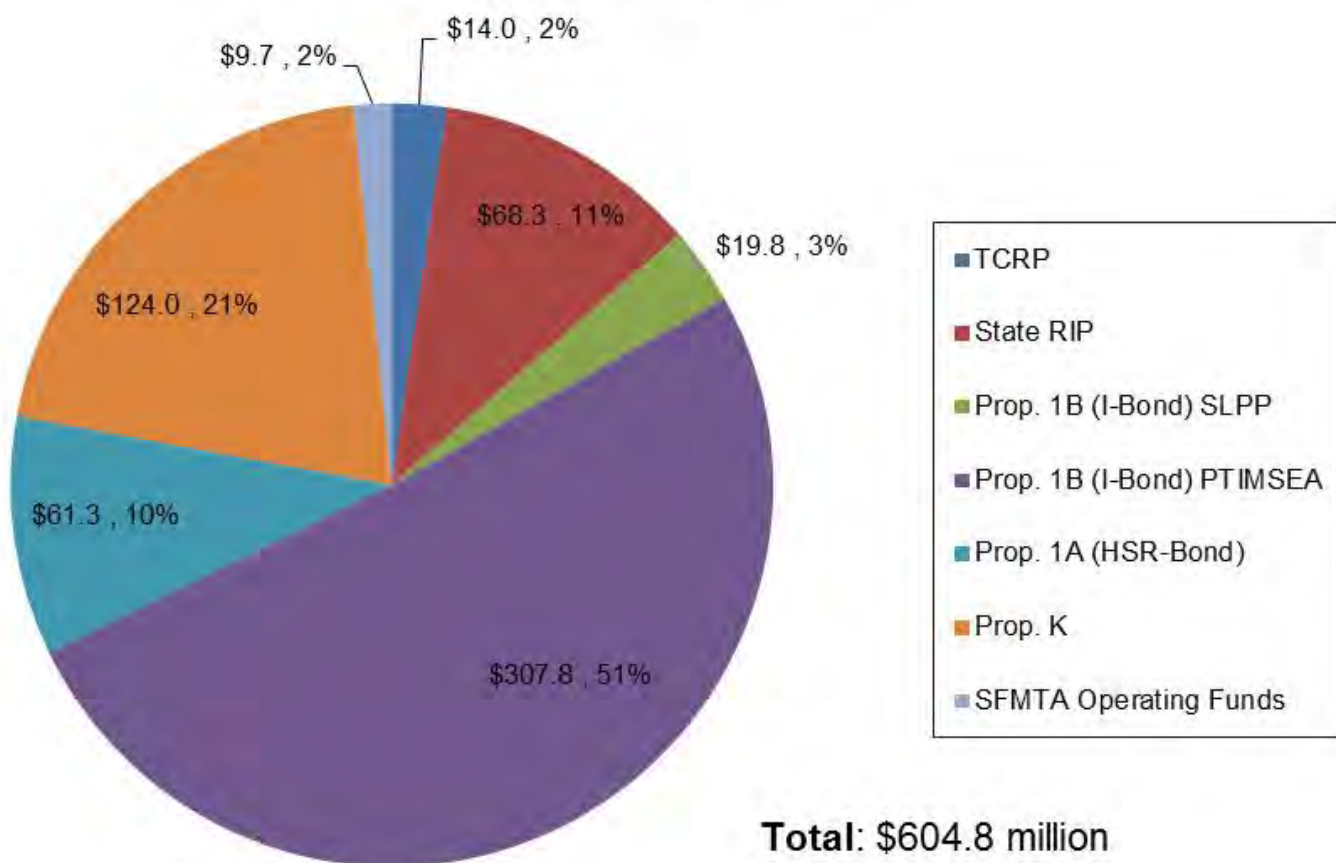


Central Subway Project Funding

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

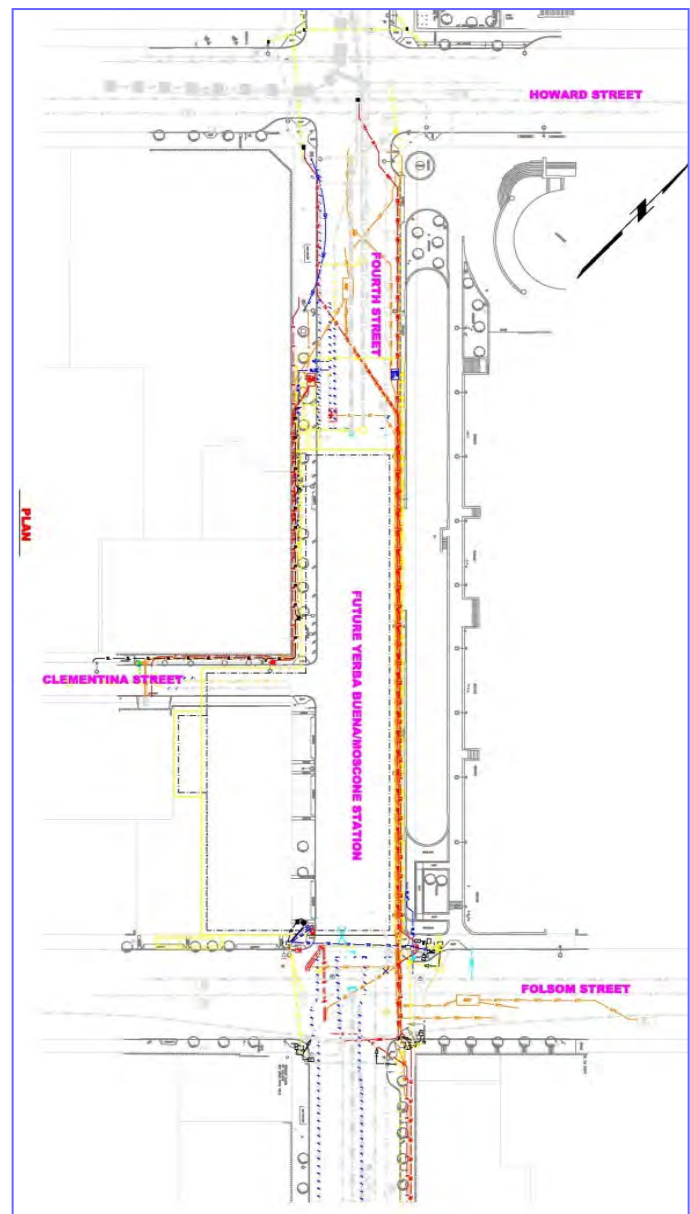
Contract Awarded:	November 17, 2009
Notice to Proceed:	January 4, 2010
Substantial Completion:	June 23, 2011
Contract Award Value:	\$ 9,273,939
Modifications Final :	\$ 2,694,211
Final Contract Value:	\$11,968,150

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)

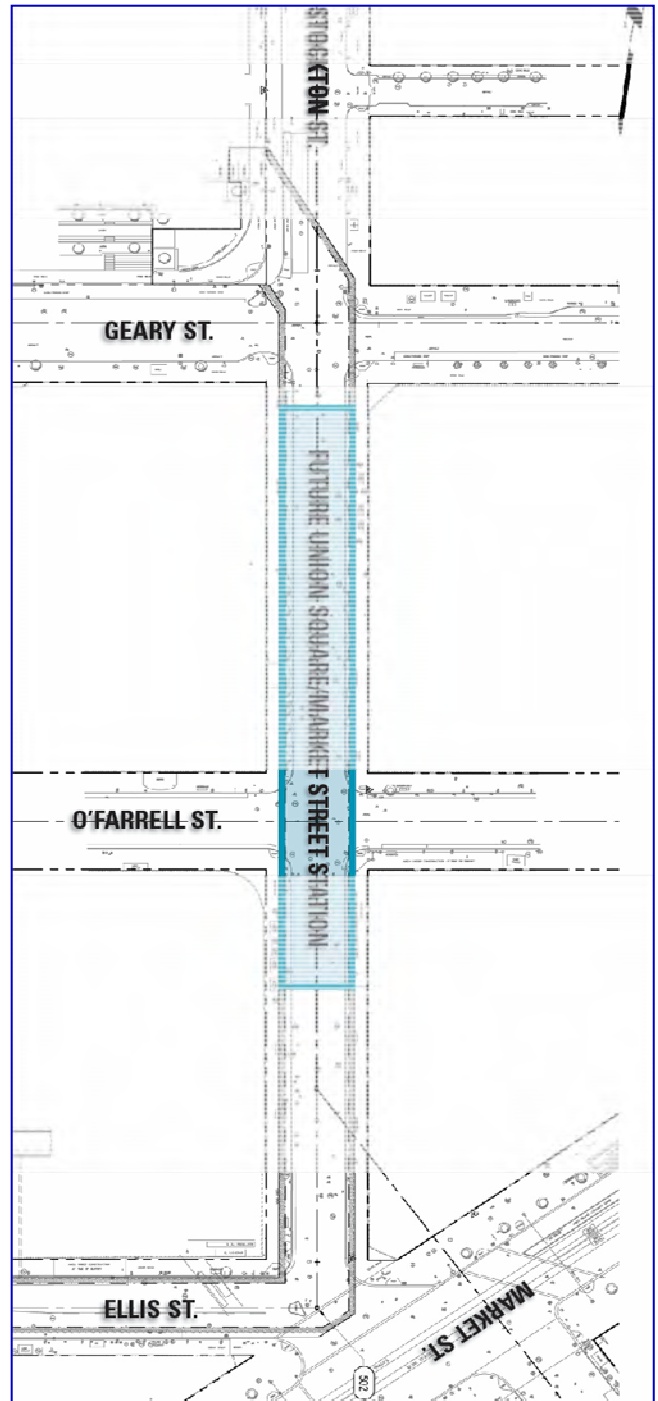
Contract Details	
Contract Awarded:	December 7, 2010
Notice to Proceed:	January 12, 2011
Substantial Completion:	August 16, 2012
Contract Award Value:	\$16,832,550
Modifications Final:	\$3,836,531
Final Contract Value:	\$20,669,081

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

Description

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



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 2020 to September 2020

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, 2020.¹

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.

Appendix E - Monthly Progress Report - Reported Quarterly in 2020
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	\$147.38	30%	\$98.56	32.3%	\$44.21	\$31.79	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%	\$48.27	32.0%	\$16.43	\$15.45	36.4%
5	155-3	HNTB, Inc. - B&C	Systems, Track & Surface Station Design	\$18.21	30%	\$18.21	25.6%	\$5.46	\$4.66	30.0%
Subtotal Professional Services				\$245.42		\$183.06		\$72.94	\$57.25	
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	936.49	20%	\$929.73	19.6%	\$187.30	\$182.50	25.5%
Subtotal Construction Contracts				\$1,209.78		\$1,203.02		\$208.88	\$226.75	
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.

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”).

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

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 construction 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 #84 September 2020, 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: 9/30/2020

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	\$147,375,171
	Expended to Date (est.)	98,562,273
	% Expended	66.9%
	SBE SFMTA Goal	30.0%
	SBE Participation	32.3%

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.)	\$48,270,921
	% Expended	88.1%
	SBE SFMTA Goal	30.0%
	SBE Participation	32.0%

Contract:	DP 3 Systems, Track work,	
Contract No.	CS-155-3 HNTB-B&C*	
Status:	Design is completed. Construction support ongoing	
	Base Contract Value	17,549,417.00
	Approved Change Orders (9)	\$2,735,209
	Current Contract Value	\$20,284,626
	Expended to Date (est.)	18,209,592
	% Expended	89.8%
	SBE SFMTA Goal	30.0%
	SBE Participation	25.6%

* denotes accrual

Active and Completed Construction Contracts - SBE Participation Details

Data as of: 9/30/2020	
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 \$66,216,706
	Current Contract Value \$936,490,911
	Expended to Date (est.) \$929,728,507
	% Expended 99.3%
	SBE SFMTA Goal 20.0%
	SBE Participation To Date 19.6%

Photos on the next page:
 (top to bottom) August 2020:
 At Chinatown Station, installing escalator cabs at train platform level.
 Installation of crystallized glass at north escalator opening for Union Square Market Street Station. At Yerba Buena/Moscone Station, next train sign boards are displayed at platform level. Blast door at cross passage 5 at Surface, Track, and Systems station.

central subway

Central Subway Project Office
530 Bush Street, Suite 400
San Francisco, CA 94108
Email: central.subway@sfmta.com



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