central T subway

Connecting people. Connecting communities.

Transmittal

CS Transmittal No. 2594

To:	Bernardo Bustamante Federal Transit Administration San Francisco Federal Building 90 7th Street, Suite 15-300 San Francisco, CA 94103-6701	**From:**	Nadeem Tahir
		Project No./Contract No.:	M544.1, CSP
		Task No./Title:	Cost/Schedule Management
		Project Phase:	Construction
Date:	May 29, 2020	**Subject:**	Monthly Progress Report April 2020

Sent via:	☐ *mail*	☐ *overnight*	☐ *messenger*	☐ *hand-delivered*
	☐ *fax – **No:***		☒ *email – **Address:***	Bernardo. Bustamante@dot.gov

The following:		***For your:***	***Due date:***
☐ *copy of letter/memo*	☐ *estimate*	☒ *information/use*	N/A
☐ *minutes/agenda*	☐ *schedule*	☐ *action*	
☒ *report*	☐ *deliverable*	☐ *review/comment*	
☐ *presentation*	☐ *review comment form*	☐ *response to comment*	
☐ *cd / dvd*	☐ *no review comment form*	☐ *concurrence*	
☐ *specifications*	☐ *review comments*	☐ *incorporation of comments*	
☐ *half-size drawings*	☐ *response to comments*	☐ *verification*	
☐ *full-size drawings*	☐ *concurrence with response*	☐ *signature*	
☐ *sketches/maps/layouts*	☐ *verification of incorporation*	☐ *acceptance/approval*	
☐ *reference material*	☐ *acceptance/approval*	☐ *other* _____	
☐ *other* _____		_____	

Item No.	***Copies***	***Description***	***Rev. No.***	***Date***
1	1	Monthly Progress Report (April 2020)	1	5/29/2020

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)
Luiz 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
Catherine Luu (catherine.luu@dot.gov)
Edward Carranza, FTA (edward.carranza@dot.gov)
Eric Chang, PMOC (ehch@deainc.com)
SFCTA project file: Propk@sfcta.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)

CS File No. M544.1.5.0340.b

central T subway

Escalation at CTS

Installation of the last two escalators from the street level entrance leading into the upper mezzanine began.

Progress Report

April 2020

SFMTA

This page intentionally left blank

Table of Contents

Table of Contents - continued

See Table of Content page that follows for Cover Photo captions.

Appendices

Cover photo: ***The first in a set of escalators between the street level entrance for Chinatown Station and the upper mezzanine is slowly and carefully lowered into place.*** *The crew worked it into place one small increment at a time until it was perfectly fitted.* ***More photos can be found starting on page 37.***

Above photo: Workers mark out 6-foot intervals with red tape leading into the crew break room and shop area on the mezzanine level of Union Square/Market Street Station, as per CDC guidelines for keeping distance during the COVID-19 pandemic. *Though difficult at times, crews are doing their best to maintain healthy practices while continuing their hard work.*

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.centralsubwaysf.com/

Lighting and glass ceiling panels have been installed inside the south concourse for Union Square/Market Street Station.

Executive Summary

Coronavirus Pandemic (COVID 19) - 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. As part of this order, some infrastructure projects were considered to be essential including Central Subway project. Construction of the Central Subway project continues to progress with minor impacts to supply chains. However, the Contractors have notified the City that due to social distancing requirements production rates have been impacted. The Contractors have implemented a revised site Safety and security plans to incorporate various requirements of the order. The project continues to experience impact to the financial processes including delay to the committed funds. Only essential project staff are on site to ensure compliance with the health order and the other staff has transitioned to telecommuting. (For additional discussion, please see Safety and Security section on pg. 33)

Chinatown Station - Completed installing overhead conduit at Main Electrical at Headhouse Platform level. Continued installing Stair 5, 5A, 6, and 7. Continued installing storm, sewer, water piping, refrigerant and fire sprinkler piping at all levels. Continued construction of Surface level slabs and PCC 50 Chinatown Plaza walls and stairs. Began installing Elevators 1, 2, 3, 4 and Escalator 5 and 6. Continued street work (minor), monitoring and surveying

Union Square/Market Street Station - Continued construction, installation and testing of stairs, escalators, elevators, overhead plumbing, fire protection ping, overhead fixture and electrical, ceiling panels, light fixtures and controls, HVAC and Power startup and testing, artwork, and pavement renovation at respective levels—Platform Station, North Concourse, South Concourse, and Street/Surface.

Yerba Buena/Moscone Station - Completed installing piping at Headhouse Vent Shaft and Headhouse Roof. Completed installing seismic joints at Station Platform. Completed installing branch power at Station Mezzanine. Completed installing toilets and lockers in Headhouse Concourse. Completed installing lighting in Station Concourse. Continued installing Escalators and Elevators 3 and 4.

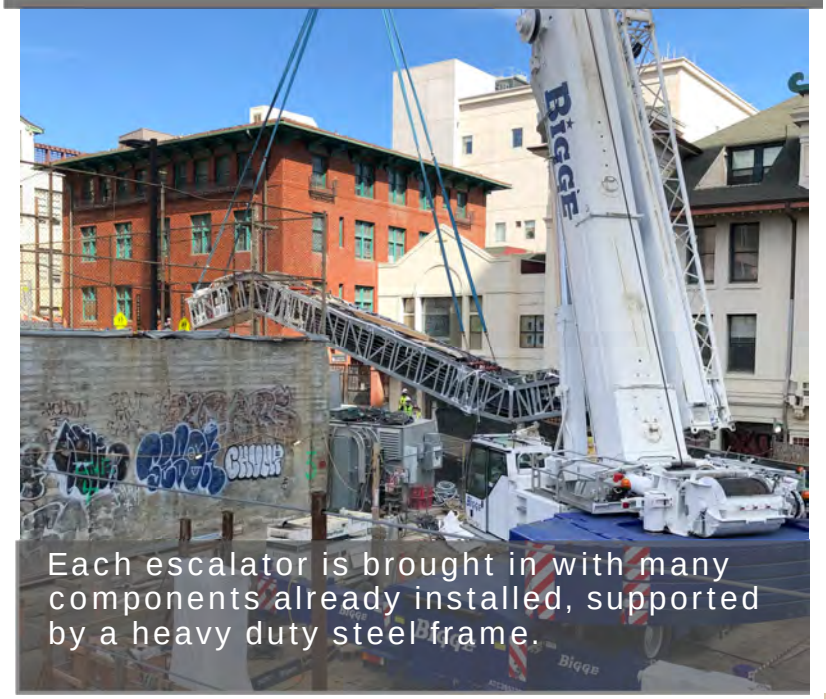
Surface, Track and Systems– Continued traction power conduit and other electrical conduit installation inside tunnel. Continued tunnel lighting installation. Continued 4th/Brannan platform construction. Continued OCS hangar installation inside tunnel. Start FDC work near 4th Street portal.

Total project costs to date are $1,525.85 million, an increase of $7.61 million over last month. The total cost to date equals 96.7% of the total project budget of $1.578 billion. The program continues to show a forecast Revenue Service Date of Summer 2021.

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

Key Milestones

Street level escalator installation at Chinatown Station



Each escalator is brought in with many components already installed, supported by a heavy duty steel frame.

MILESTONE	DATE EXPECTED
General	
Revenue Service	Summer 2021
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	June 29, 2020

The right angle and approach are worked out, and the crew moves it into place very slowly and carefully.

Crews continue building out the components that the escalator did not already possess.

Costs and Schedule

Costs (See Appendix A for Details)

The Current Cost Estimate (CCE) for the Central Subway Project is $1.578 billion in year of expenditure dollars ($YOE). This total project cost is shown at the top of Report 7.1, Program Project Budget. This capital cost projection incorporates allocated and unallocated contingencies to cover the risks associated with the project completion. The Program is in the process of evaluating and adjusting the Program's Estimate at Completion (EAC) as part of a workshop with FTA. The Program intends to report a revised EAC to the SFMTA Board, but has been delayed due to COVID related issues. When approved by the Board, the Program will adjust the overall Program budget and contingency.

Total net incurred costs for the project are $1,524.85 million, a $7.61 million increase over last month. The cost to date figure reflects expenditures through FAMIS 786 Report ($1,480.03 million) plus the utilities joint trench Form B Reimbursement payment ($12.51 million), invoices currently being processed ($32.92 million) and estimates of outstanding pay requests ($0.42 million). This incurred amount equals 96.7% of the total project budget of $1.578 billion.

The current funding level to date is $1,556.74 million and includes Low Carbon Transit Operations Program (LCTOP) Funds FY2019/2020 $4,000,000 and Proposition B (City of San Francisco Adjusting Transportation Funding for Population Growth) FY2020 $3,191,063 appropriated in September 2019 . This represents 98.7% of the total project budget and we anticipate the addition of $21,558,937 to complete the funding of the program. The remaining program funds has been jeopardized due to funding reallocation from the COVID 19 pandemic. The project team will continue to work with our financial partners to ensure that impacts to the project are minimized.

Earned Value Analysis

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

Preliminary April Earned Value

Overall Budgeted Cost:	$1,578,300,000
Planned Value:	$1,589,690,998
Earned Value:	$1,460,310,250
Actual Cost:	$1,525,846,545
Schedule Performance Index (SPI):	0.92
Cost Performance Index (CPI):	0.96
Percent Complete:	91.6%

*April 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 2020.

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 April 2020. The April 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 April 2020 Schedule Update.

The MPS shows a forecast Revenue Service Date of Summer 2021 on 16 September 2021 based on a revised assessment of the overall schedule and the current project conditions. The project continues to evaluate this date with potential impact from COVID 19. The Contractor is notifying the City that potential delays may have occurred due to the social distancing requirement which is impacting production rates.

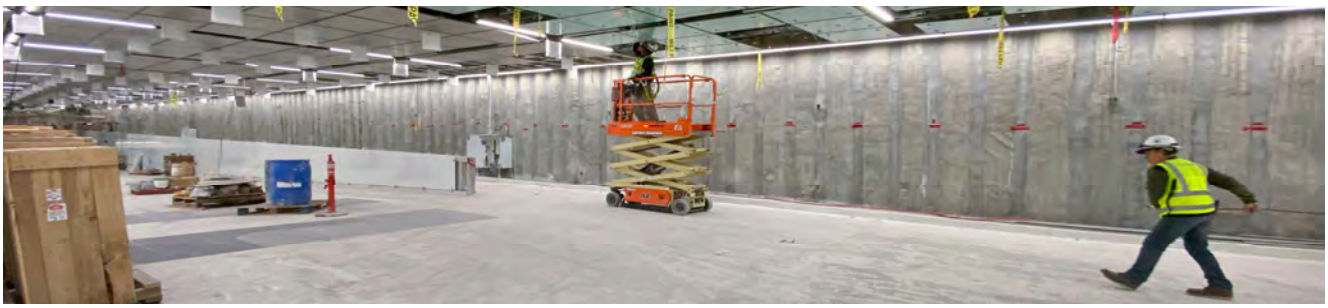
Currently we are experiencing day-to-day delays caused by TPC's electrical work in the tunnel impacted by lack of resources and extended approvals of contract modifications related to Radio and Train Control Systems. These issues have impacted TPC's Substantial Completion date, we have mitigated the delay by accelerating rail activation activities. TPC and SFTMA 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 June 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 April 2020 schedule is used within the November Report. The SFMTA Contract 1300 April 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.



Glass and metal ceiling panels hide utility conduits inside the south concourse ceiling for Union Square/Market Street Station.

Schedule Highlights - Continued

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

- Continued installing Stair 5, 5A, 6, and 7
- Continued installing electrical panels and pulling service wires at Equipment Room at Underplatform level
- Completed installing overhead conduit at Main Electrical at Headhouse Platform level
- Continued installing overhead conduit at Traction Power rooms at Headhouse Platform level
- Continued pulling service wires at Main Electrical and Traction Power rooms at Headhouse Platform level
- Began constructing structural steel for Elevators 1 & 2 at Platform and Concourse levels
- Continued installing storm, sewer, water piping, refrigerant, and fire sprinkler piping at all levels
- Continued installing structural steel for GFRC panels at ticketing hall at Concourse level
- Continued installing structural steel for Station Agent Booth at Concourse level
- Continued pulling service wires at Main Communication room at Lower Mezzanine level
- Began installing Elevators 1, 2, 3, and 4
- Began installing Escalator 5 & 6 at Upper Mezzanine level
- Continued construction of Surface level slabs and PCC 50 Chinatown Plaza walls and stairs
- Began installing structural steel and fire proofing for Plaza level
- Continued street work (minor), ongoing monitoring and surveying

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

Platform Station:

- Stairs, escalators and elevators – including glass enclosure
- Overhead plumbing, fire protection piping, and overhead fixture and electrical
- Unistrut grid for ceiling panels and LED Artwork on concourse level
- Ceiling panels
- Light fixtures and controls
- Curved metal panel on platform strut level
- Terrazzo on concourse and platform level
- Brackets for artwork on platform strut level
- Fire Alarm /PA / Security System
- Emergency lighting at tunnel tie-in on platform level
- HVAC startup and testing
- Power startup and starting

North Concourse:

- Stair, escalator and elevators

Schedule Highlights - Continued

- Overhead plumbing, fire protection piping, and overhead fixture and electrical
- Cement plaster finish in various rooms
- Glass wall panels
- LED artwork

South Concourse:

- Stair and escalator
- Overhead electrical, light fixtures and controls
- Ceiling panels
- Glass wall panels including ticket vending machine
- Terrazzo flooring
- Rolling and Grille Doors

Street/Surface:

- Precast architectural concrete elements at USG terrace level
- Glass roof walk at USG terrace level
- Landscaping and drainage at USG terrace level
- USG Roof level exhaust vent
- Tap room and emergency command post at surface level
- Pavement renovation at northside of Market street
- North sidewalk plaza at USG terrace level

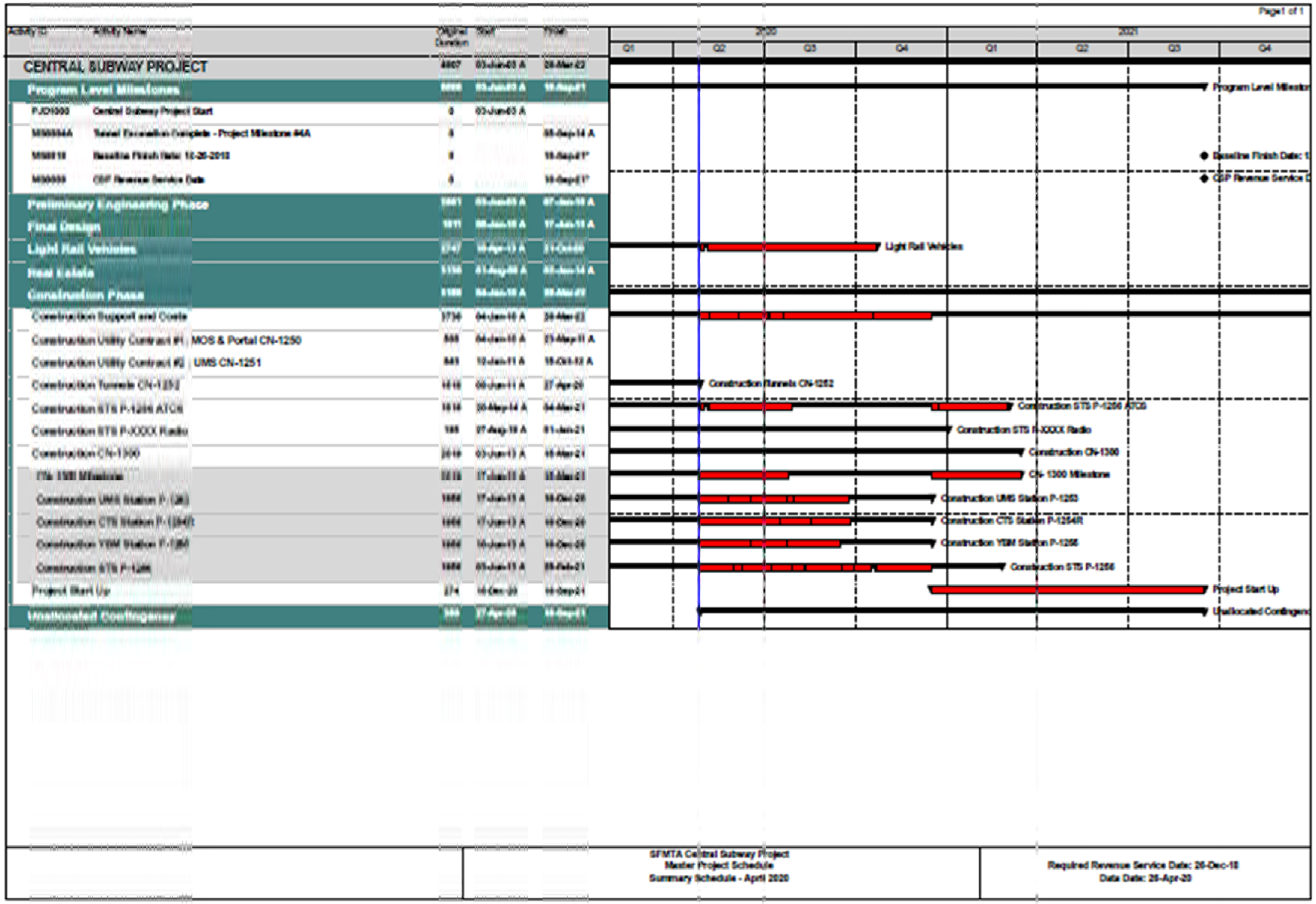
Work Package P-1255 (YBM) has performed the following work this month:

- Continued installing Escalators 3 and 4
- Continued installing Elevators 3 and 4
- Continued installing EV controls at Station Mezzanine
- Continued installing ceiling at Headhouse Concourse.
- Completed installing toilets and lockers in Headhouse Concourse
- Completed installing lighting in Station Concourse
- Poured Clementina Street Sidewalk

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

- Continue 4th/Brannan platform construction
- Continue traction power conduit and other electrical conduit installation inside tunnel
- Continue tunnel lighting installation
- Continue OCS hanger installation inside tunnel
- Continue mini power center installation
- Continue walkway construction at cross-over cavern
- Start FDC work near 4th Street portal

Master Project Schedule



A roll-up steel gate is being installed and tested where the south concourse for Union Square/Market Street Station transitions into the concourse for Powell BART/Muni Station.

Contracts & Construction

Construction Contracts In Progress

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

- Contractor: Tutor - Perini Corporation
- Amount: $888.28 million
- Contract Status: 92.63% complete 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

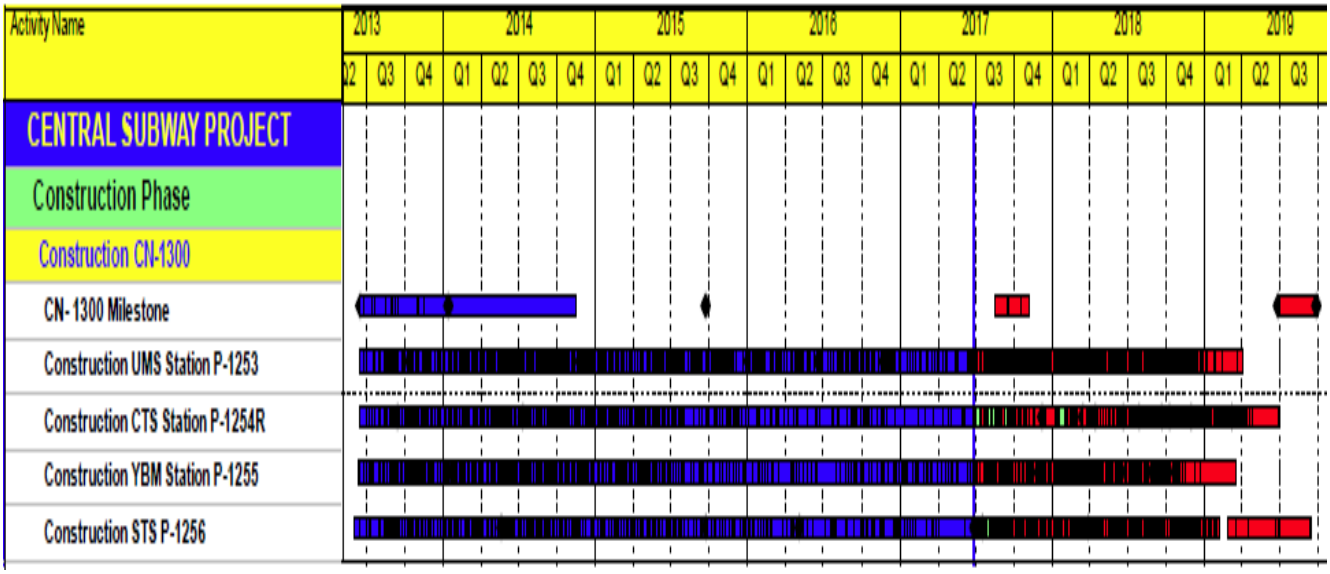
The Contract 1300 scope is to construct the Central Subway's three subway stations, one surface station, construct the 2,000 feet of surface track, and install track and operating systems throughout the new alignment. The separate station and systems work packages are presented in the following pages.

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:	**June 29, 2020**
Contract Award Value:	**$839,676,400**
Modifications to Date ($):	**$48,604,326**
Modifications to Date (Days):	**870**
Current Contract Value:	**$888,280,726**

Budget/Expenditures▲	
Current Budget	**$861,639,691**
Other Project Offset Credits	**$8,091,336**
Expenditures to Date	**$850,624,429**

1300 Summary Schedule

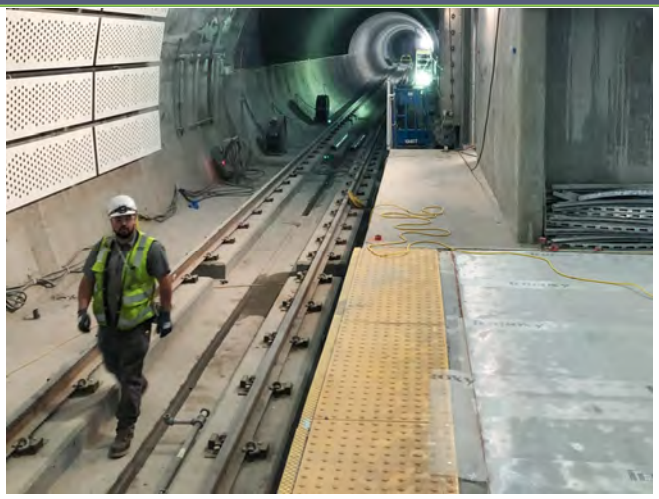


Chinatown Station

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 Stair 5, 5A, 6, and 7
- Continued installing electrical panels and pulling service wires at Equipment Room at Underplatform level
- Completed installing overhead conduit at Main Electrical at Headhouse Platform level
- Continued installing overhead conduit at Traction Power rooms at Headhouse Platform level
- Continued pulling service wires at Main Electrical and Traction Power rooms at Headhouse Platform level
- Began constructing structural steel for Elevators 1 & 2 at Platform and Concourse levels
- Continued installing storm, sewer, water piping, refrigerant, and fire sprinkler piping at all levels
- Continued installing structural steel for Station Agent Booth and GFRC panels at ticketing hall at Concourse level
- Continued pulling service wires at Main Communication room at Lower Mezzanine level
- Began installing Elevators 1, 2, 3, and 4
- Began installing Escalator 5 & 6 at Upper Mezzanine level
- Continued construction of Surface level slabs and PCC 50 Chinatown Plaza walls and stairs
- Began installing structural steel and fire proofing for Plaza level
- Continued street work (minor), ongoing monitoring and surveying

Work Expected Next Month

- Complete installing Stair 5, 5A, 6, and 7
- Complete installing electrical panels and pulling service wires at Equipment Room at Underplatform level
- Complete installing overhead conduit at Traction Power rooms at Headhouse Platform level
- Continue pulling service wires at Main Electrical and Traction Power rooms at Headhouse Platform level
- Continue constructing structural steel for Elevators 1 & 2 at Platform and Concourse levels
- Complete installing storm, sewer, and water piping at levels 1 to 6
- Complete installing fire sprinkler piping at levels 1 to 6
- Complete installing structural steel for

Chinatown Station

GFRC panels at ticketing hall at Concourse level

- Complete GFRC panel installation at ticketing hall at Concourse level
- Complete installing structural steel for Station Agent Booth at Concourse level
- Complete pulling service wires at Main Communication room at Lower Mezzanine level
- Complete CMU wall construction at all levels of Headhouse
- Continue installation of Elevators 1 & 2, 3 & 4
- Complete installation of Escalators 5 & 6
- Continued construction of Surface level slabs and PCC 50 Chinatown Plaza walls and stairs
- Continue installing structural steel and fire proofing for Plaza level
- Begin constructing slabs for Roof level
- Begin construction of AWSS pipeline across Stockton Street at Washington Street
- Continued street work (minor), ongoing monitoring and surveying

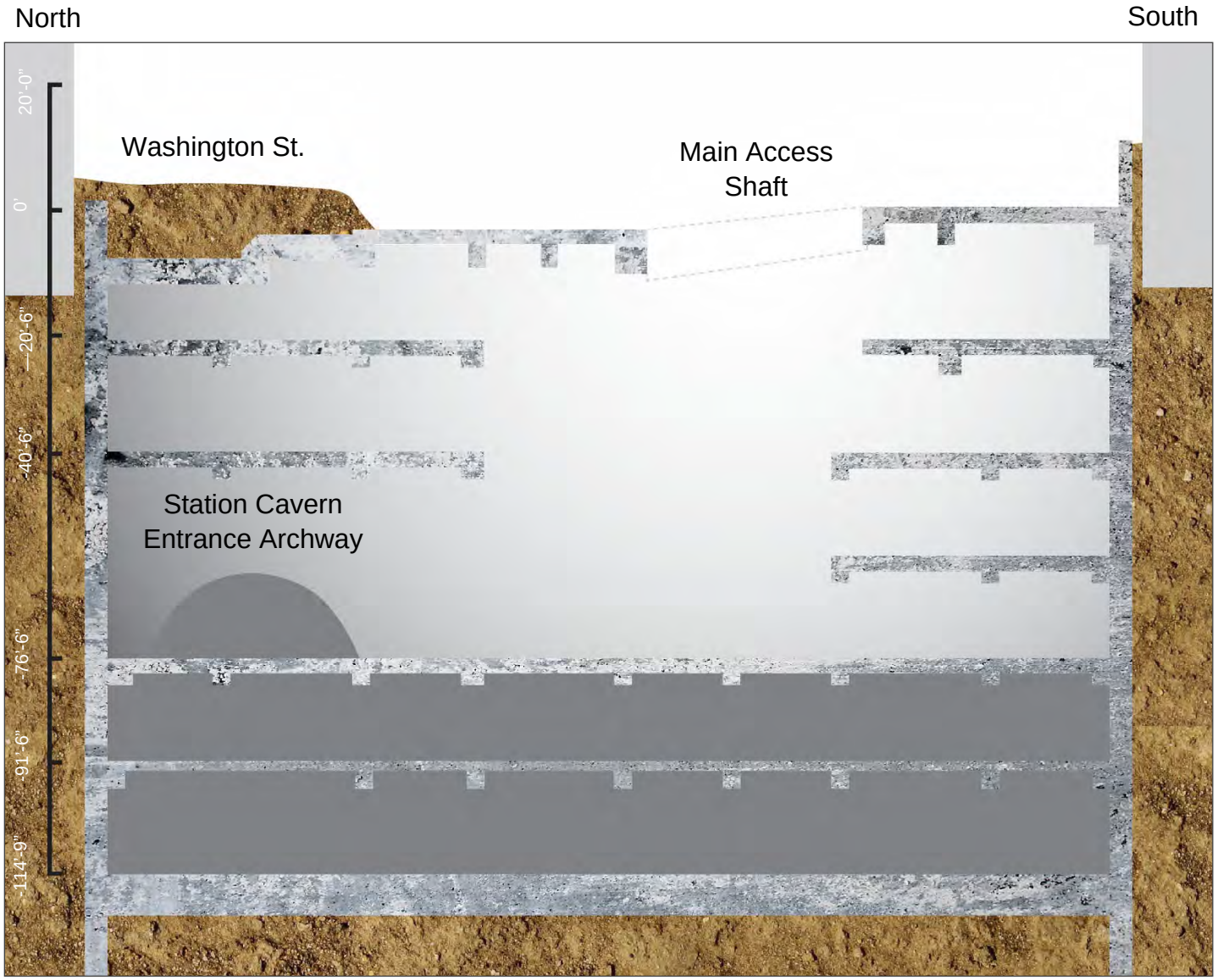
Three Month Look

- Complete installation of Elevators 1 2, 3 & 4
- Complete construction of Surface, Plaza, and Roof levels at Headhouse
- Complete installing mechanical, electrical, plumbing, at Surface, Plaza, and Roof levels at Headhouse
- Complete construction of PCC 50 Chinatown Plaza
- Abandon dewatering wells on Stockton Street
- Begin street utility work on Washington Street

Steel framing for future concourse-to-platform level elevators is being constructed inside the cross-cut cavern leading into the Rose Pak-Chinatown Station platform cavern.

CTS—continued

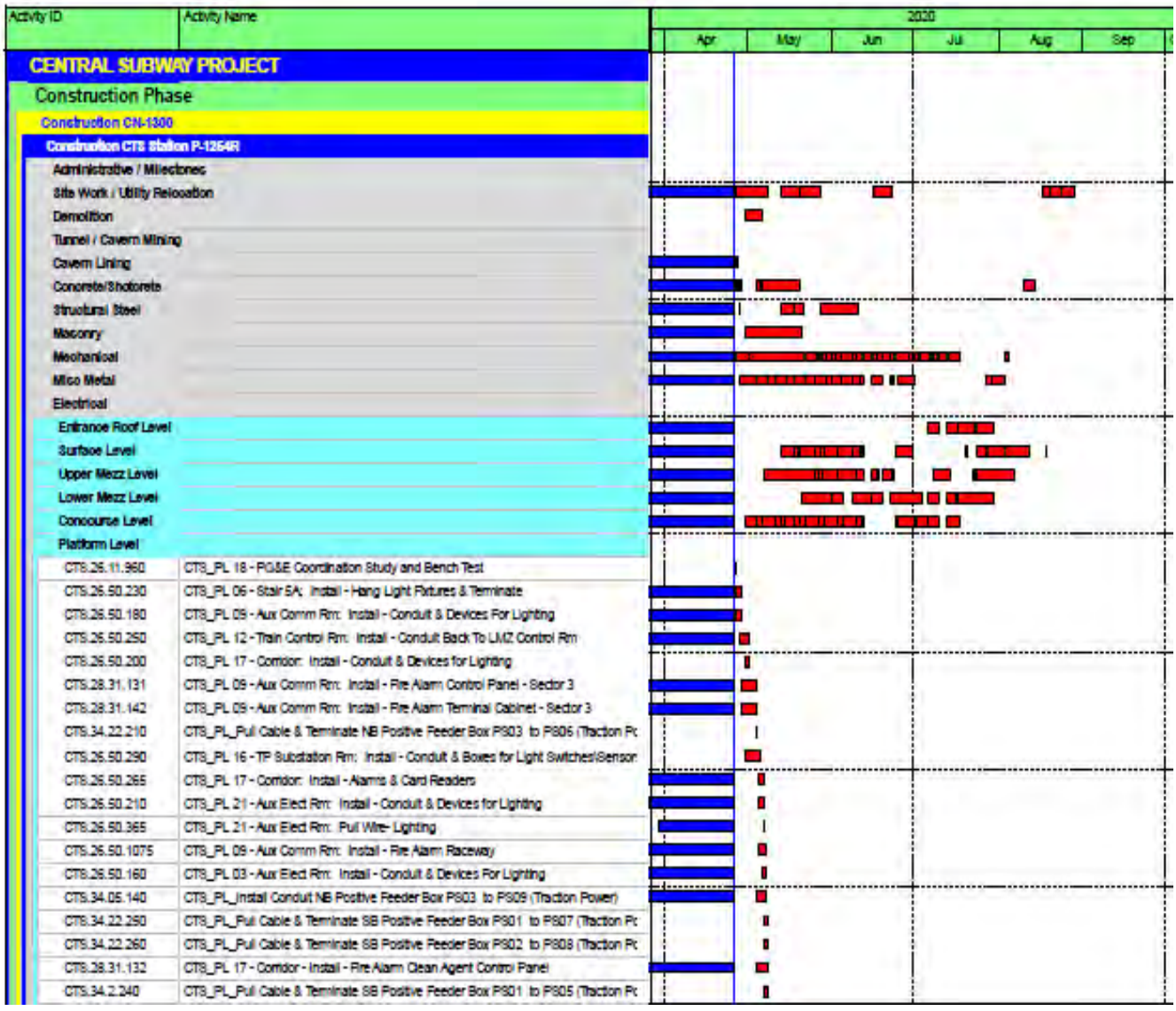
Station Construction Progress Section



Contract Details	
Contract Awarded:	**May 21, 2013**
Notice to Proceed:	**June 17, 2013**
Substantial Completion:	**June 29, 2020**
Contract Award Value:	**$247,567,810**
Modifications to Date ($):	**$52,199,817**
Modifications to Date (Days):	**870**
Current Contract Value:	**$299,767,627**

Budget/Expenditures	
Current Budget	**$257,567,810**
Other Project Offset Credits	**$5,043,239**
Expenditures to Date	**$275,563,181**

CTS Three Month Schedule

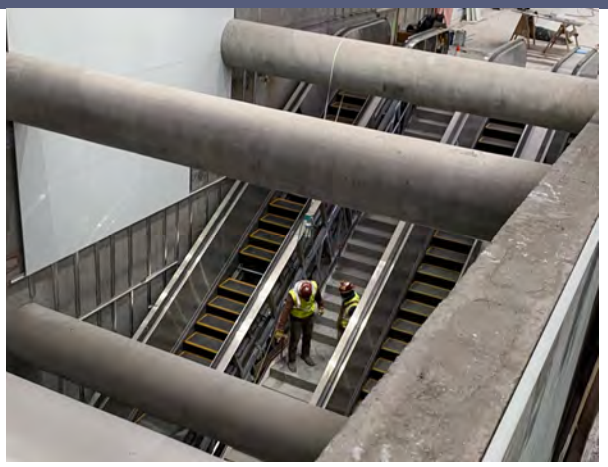


Schedule: Contract 1300 April 2020 Update

Union Square/Market Street Station

Contract 1300 Work Package1253

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 -

Platform Station:

- Stairs, escalators and elevators – including glass enclosure
- Overhead plumbing, fire protection piping, and overhead fixture and electrical
- Unistrut grid for ceiling panels and LED Artwork on concourse level
- Ceiling panels
- Light fixtures and controls
- Curved metal panel on platform strut level
- Terrazzo on concourse and platform level
- Brackets for artwork on platform strut level
- Fire Alarm /PA / Security System
- Emergency lighting at tunnel tie-in on platform level
- HVAC startup and testing
- Power startup and starting

North Concourse:

- Stair, escalator and elevators
- Overhead plumbing, fire protection piping, and overhead fixture and electrical
- Cement plaster finish in various rooms
- Glass wall panels
- LED artwork

South Concourse:

- Stair and escalator
- Overhead electrical, light fixtures and controls
- Ceiling panels
- Glass wall panels including ticket vending machine
- Terrazzo flooring
- Rolling and Grille Doors

Street/Surface:

- Precast architectural concrete elements at USG terrace level.
- Glass roof walk at USG terrace level
- Landscaping and drainage at USG terrace level
- USG Roof level exhaust vent
- Tap room and emergency command post at surface level
- Pavement renovation at northside of Market street
- North sidewalk plaza at USG terrace level

Work Expected Next Month

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

Platform Station:

- Stairs, escalators and elevators – includ-

ing glass enclosure and glass wall panels

- Overhead plumbing, fire protection piping, and overhead fixture and electrical
- Unistrut grid for ceiling panels and LED Artwork on concourse level
- Ceiling panels
- Light fixtures and controls
- Terrazzo on concourse and platform level
- Artwork on platform strut level
- Fire Alarm /PA / Security System
- Emergency lighting at tunnel tie-in on platform level
- HVAC and EV startup and testing
- Power startup and testing
- Fire Alarm System startup and testing

North Concourse:

- Stairs, escalator, elevators
- Overhead plumbing, fire protection piping, and overhead fixture and electrical
- Cement plaster finish in various rooms
- LED artwork

South Concourse:

- Stair and escalator
- Overhead electrical, light fixtures and controls.
- Ceiling panels
- Rolling and Grille Doors

Street/Surface:

- Precast architectural concrete elements at USG terrace level
- Glass roof walk at USG terrace level
- Landscaping and drainage at USG terrace level
- USG Roof level exhaust vent
- Tap room and emergency command post at surface level

Three Month Look Ahead

Platform Station:

Completion of the following:

- CMU wall construction
- Deck installation
- All structural concrete work
- Stairs, elevators and escalators
- Ceiling panels.
- Emergency lighting at tunnel tie-in on platform level

Continued construction / begin installation and testing of the following:

- Fireproofing.
- Terrazzo flooring
- Glass wall panels
- Artwork on concourse and platform level
- Light fixtures and controls
- 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

North Concourse:

Completion of the following:

- Ceiling panels
- Glass wall panels
- Stair, elevators and escalator

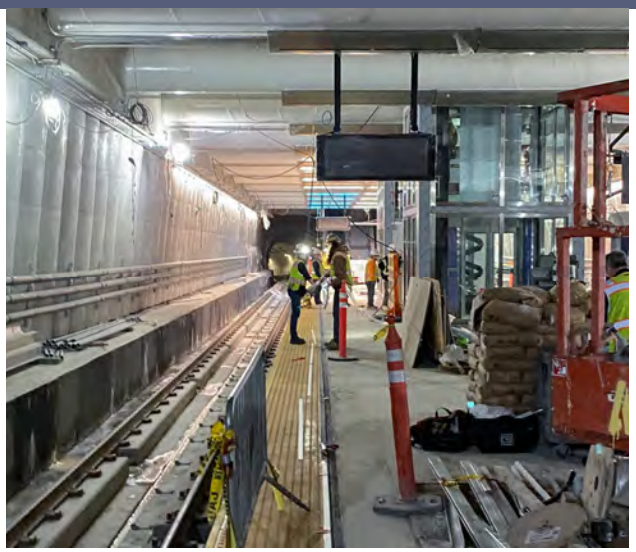
Continued construction / begin installation of the following:

- Terrazzo flooring
- Fire Alarm/ PA/ Security System
- Access controls

South Concourse:

Completion of the following:

- Ceiling panels
- Glass wall panels
- Stairs and escalator
- Rolling and Grille Doors



Continued construction / begin installation of the following:

- Terrazzo flooring
- Fire Alarm/ PA/ Security System
- Access controls

Street/Surface:

Completion of the following:

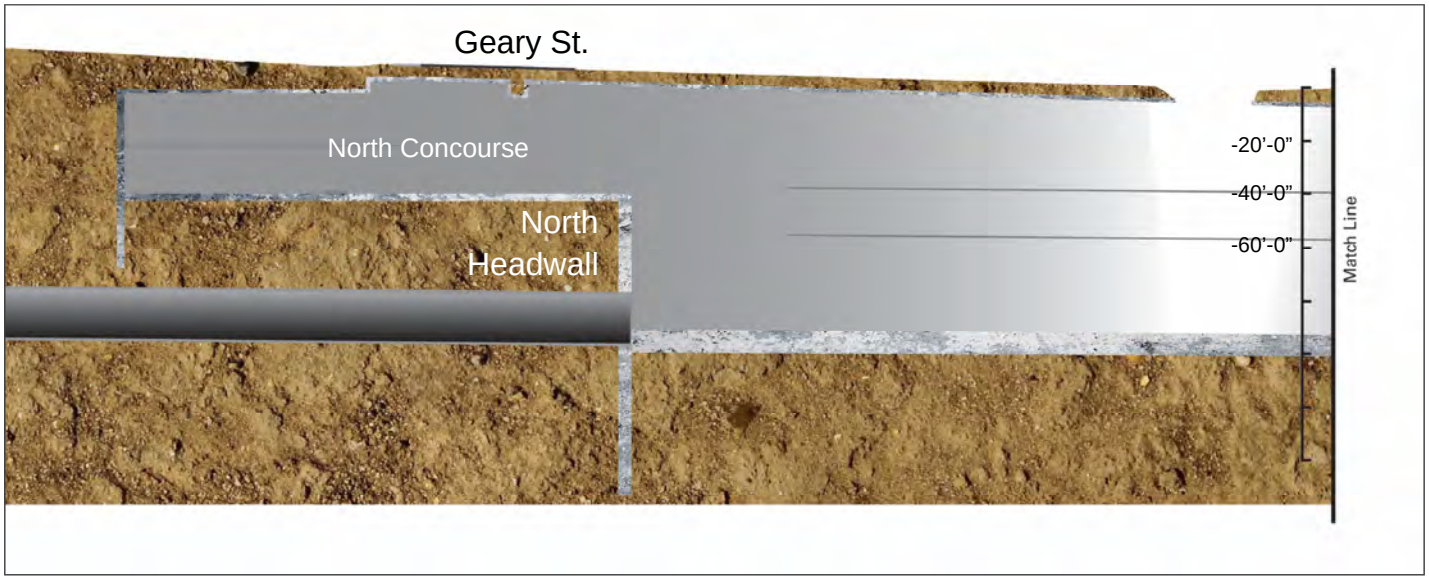
- Granite curb, brick sidewalk, and pedestrian ramps north of Market Street.
- Glass roof walk artwork on USG Terrace level.
- Precast architectural concrete elements for USG terrace level
- Landscaping and drainage at USG terrace level.
- USG Roof level exhaust vent
- Tap room and emergency command post at surface level

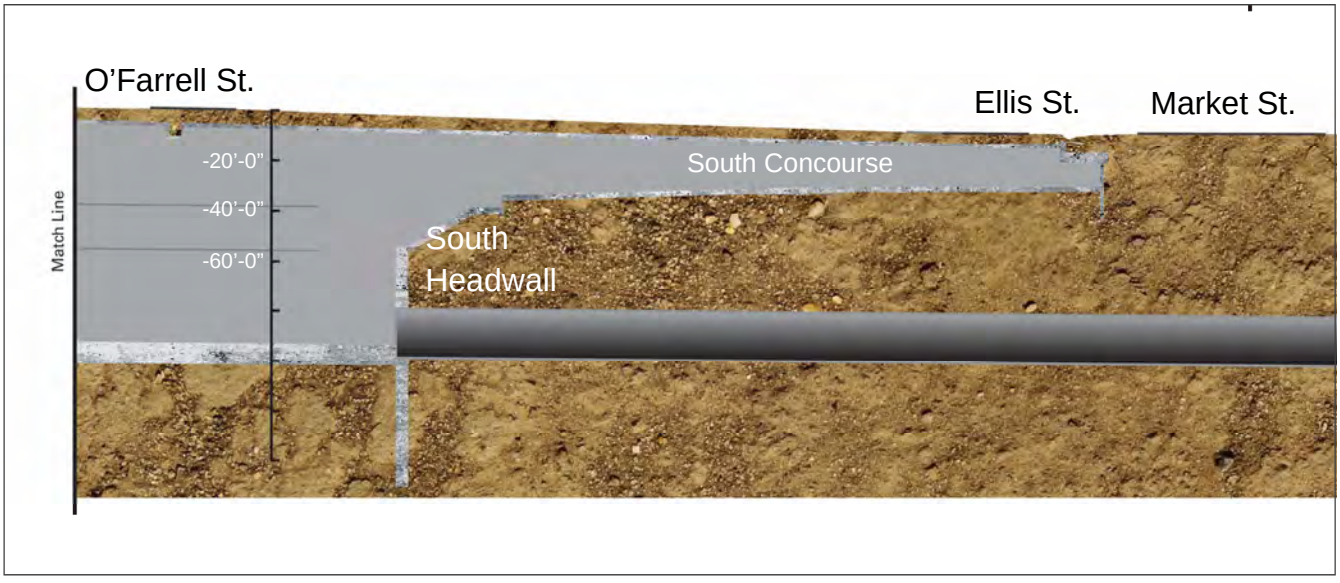
Continued construction / begin installation of the following:

- Permanent PG&E historic streetlights at O'Farrell and Stockton Street
- Traffic cabinets

Station Excavation and Construction Progress Section

North South

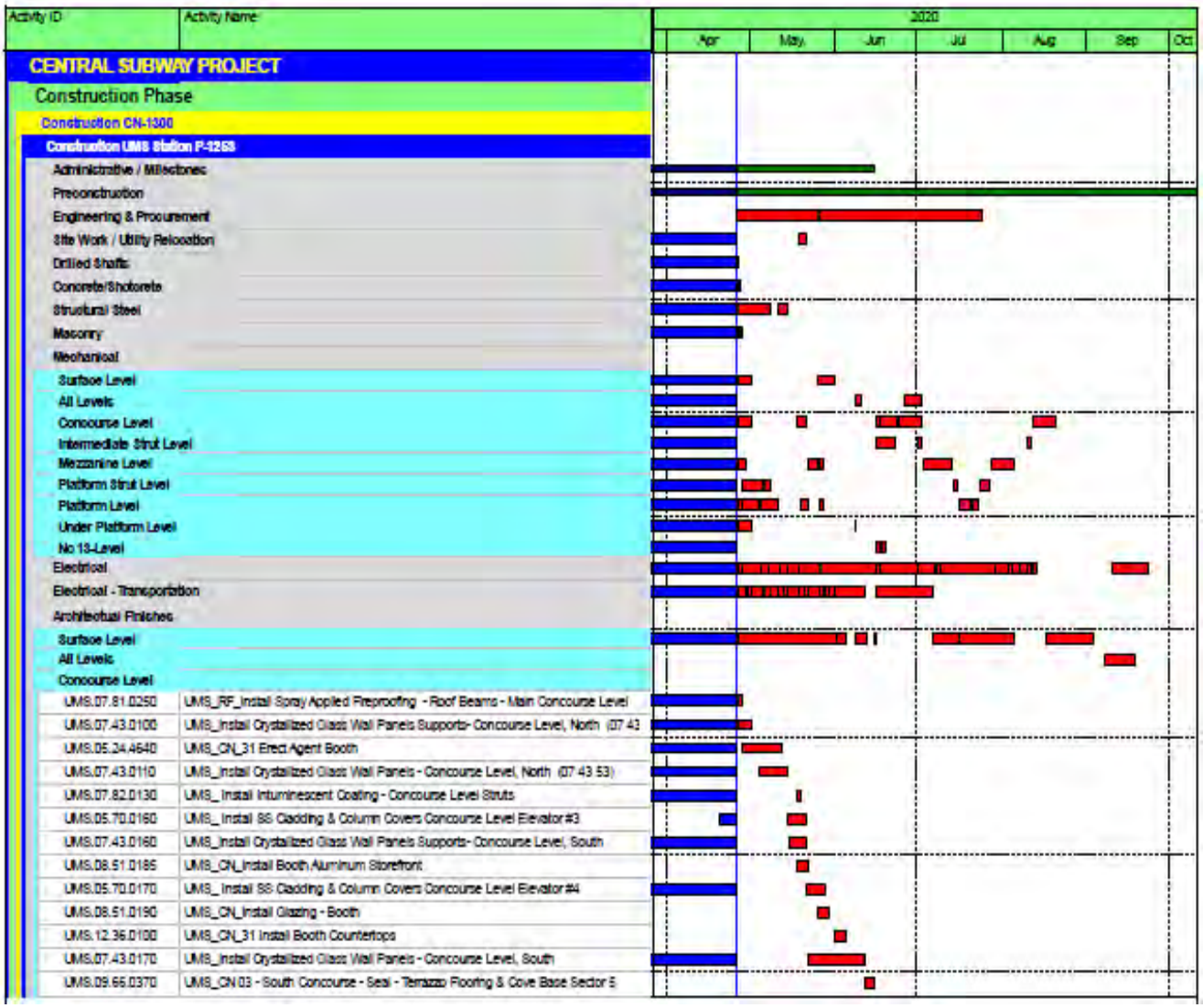




Contract Details	
Contract Awarded:	**May 21, 2013**
Notice to Proceed:	**June 17, 2013**
Substantial Completion:	**June 29, 2020**
Contract Award Value:	**$294,030,590**
Modifications to Date ($):	**$7,744,337**
Modifications to Date (Days):	**870**
Current Contract Value:	**$301,774,927**

Budget/Expenditures ▲	
Current Budget	**$314,030,590**
Expenditures to Date	**$295,325,876**

UMS Three Month Schedule



Schedule: Contract 1300 April 2020 Update

Yerba Buena/Moscone Station

Contract 1300 - Work Package 1255

Description of Work

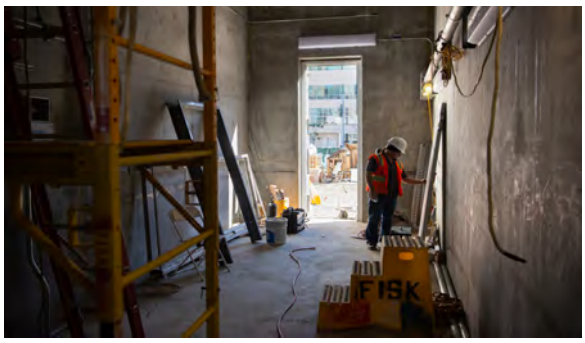
This Work Package is to construct one subway station. Includes station finishes, AC and DC Traction Power substations elevators, escalators, lighting, emergency ventilation fans, HVAC fire alarm/ suppression/ protection, slurry wall top-down construction, settlement monitoring, building protection, PA,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

Current Status

- Continued installing Escalators 3 and 4
- Continued installing Elevators 3 and 4
- Continued installing EV controls at Station Mezzanine
- Continued installing ceiling at Headhouse Concourse.
- Completed installing toilets and lockers in Headhouse Concourse
- Completed installing lighting in Station Concourse
- Poured Clementina Street Sidewalk

Work Expected Next Month

- Continue installing Escalators 1 through 4
- Continue installing Elevators 3 and 4
- Continue installing Stairs 2 and 3
- Continue installing EV Controls at Station Mezzanine
- Continue installing Station Agent Booth at Headhouse Concourse
- Continue installing metal wall and Terrazzo floor in Station Concourse
- Continue installing telephone system at Station Platform level
- Systems startup and Acceptance Testing
- Complete F2A Light Fixture installations at Surface Walls
- Continue installing S.S. Metal wall panels at Concourse Sector 3
- Install MCC-JF in the Main Elect Room -
- Fireproof Plaza Canopy



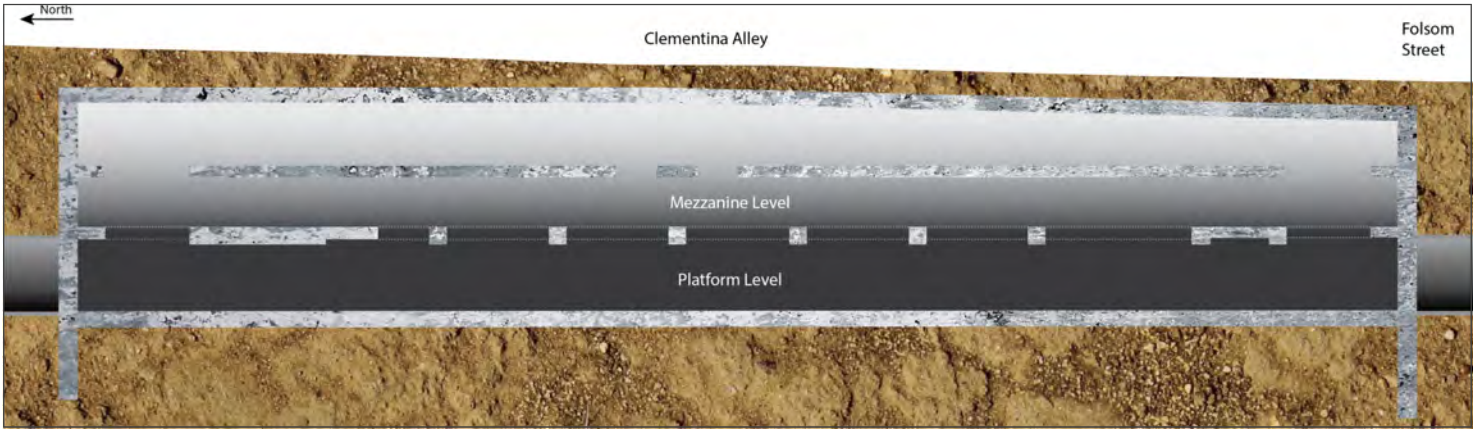
Three Month Look Ahead

- Continue interior finishes on Mezzanine & Concourse Levels within Station Box
- Begin installation of sculpture at Surface level
- Complete installation of Artwork in Headhouse Concourse
- Complete installation of Elevators 3 and 4
- Complete installation of Escalators 3 and 4
- Complete Finish grinding of Platform and Concourse Station Terrazzo Floors
- Complete installation and finish grinding of Concourse Headhouse Terrazzo Floor
- Complete Platform Kiosks
- Complete Station Agent Booth
- Complete Surface Plaza Area
- Complete Systems Start up and Acceptance Testing
- AT&T – Pull in wires to all building levels. Set trim and terminate devices
- Complete FA system
- Set trim and terminate devices - Test

YBM - continued

Station Excavation and Construction Progress Section

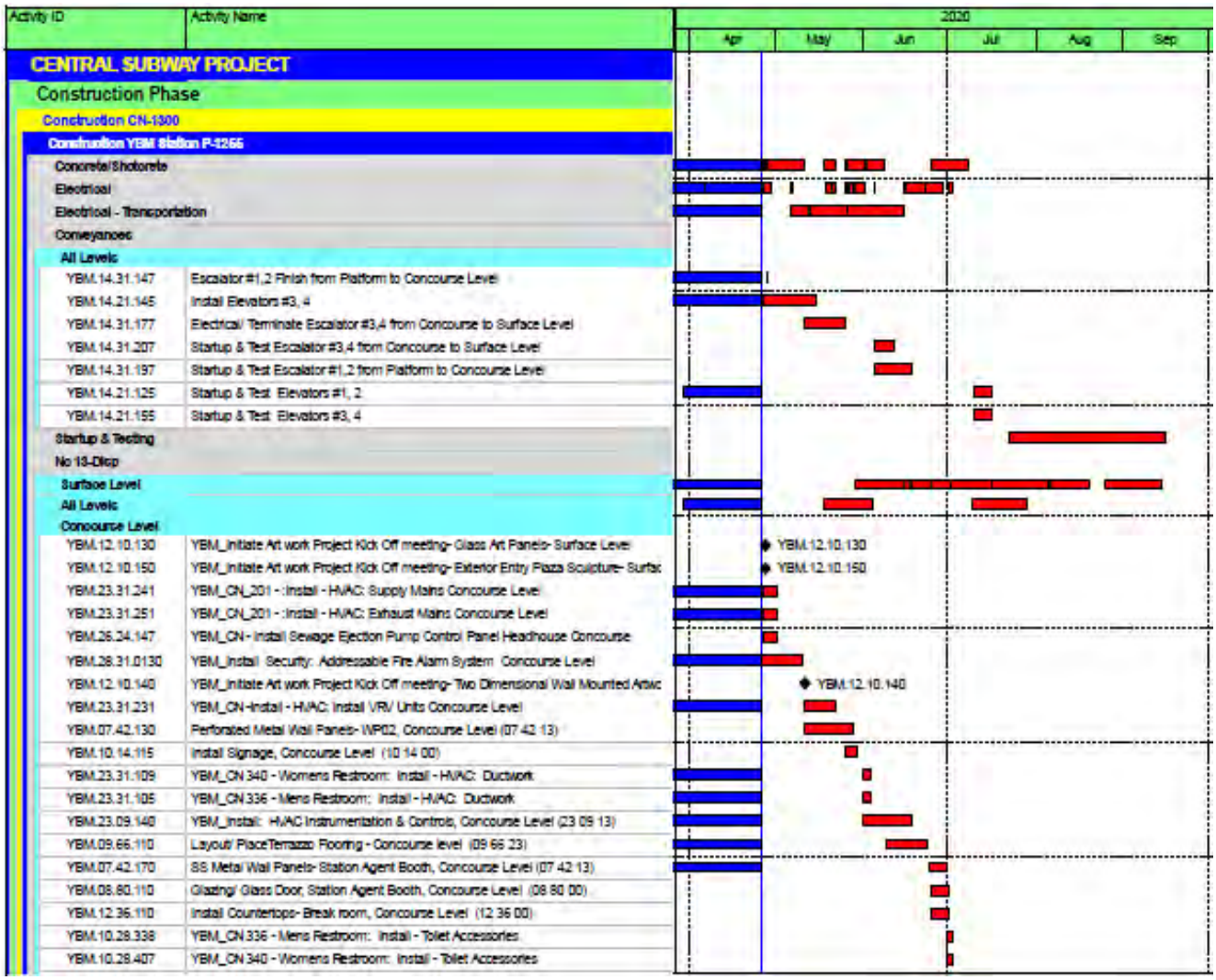
North South



Contract Details	
Contract Awarded:	**May 21, 2013**
Notice to Proceed:	**June 17, 2013**
Substantial Completion:	**June 29, 2020**
Contract Award Value:	**$158,089,000**
Modifications to Date ($):	**$3,241,425**
Modifications to Date (Days):	**870**
Current Contract Value:	**$161,330,425**

Budget/Expenditures ▲	
Current Budget	**$163,089,000**
Other Project Offset Credits	**$415,331**
Expenditures to Date	**$156,430,701**

YBM Three Month Schedule



Schedule: Contract 1300 April 2020 Update

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

- Continue 4th/Brannan platform construction
- Continue traction power conduit and other electrical conduit installation inside tunnel
- Continue tunnel lighting installation
- Continue OCS hanger installation inside tunnel
- Continue mini power center installation
- Continue walkway construction at cross-over cavern
- Start FDC work near 4th Street portal

Work Expected Next Month

- Continue 4th/Brannan platform construction
- Continue traction power conduit and other electrical conduit installation inside tunnel
- Continue tunnel lighting installation
- Continue OCS hanger installation inside tunnel
- Continue mini power center installation
- Continue walkway construction at cross-over cavern
- Continue FDC work near 4th Street portal

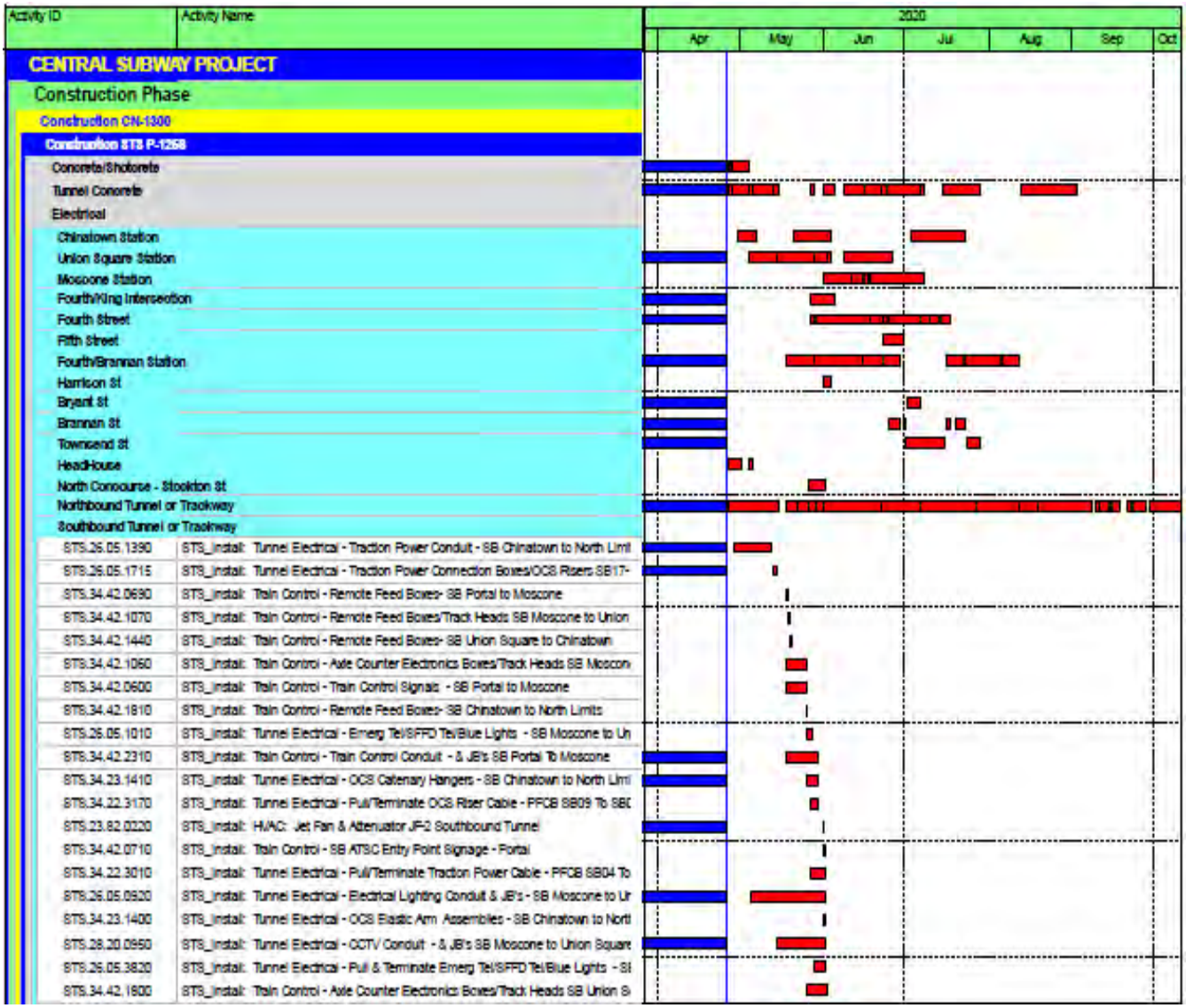
Three Month Look Ahead

- Complete OCS/street light pole installation
- Continue OCS support/wire installation in tunnel and on 4th Street
- Continue 4th/Brannan platform construction
- Continue tunnel walkway stairs installation
- Continue electrical conduit installation inside tunnel
- Continue tunnel lighting installation
- Continue mini power center installation
- Continue pulling traction power feeder cables on surface
- Continue train case work at 4th/King
- Continue FDC work near 4th Street portal

Contract Details	
Contract Awarded:	**May 21, 2013**
Notice to Proceed:	**June 17, 2013**
Substantial Completion:	**June 29, 2020**
Contract Award Value:	**$139,989,000**
Modifications to Date ($):	**($14,581,253)**
Modifications to Date (Days):	**870**
Current Contract Value:	**$125,407,747**

Budget/Expenditures	
Current Budget	**$126,952,290**
Other Project Offset Credits	**$2,632,766**
Expenditures to Date	**$123,304,671**

Systems, Track and Surface Station Three Month Schedule



Schedule: Contract 1300 April 2020 Update

Program Components

Community Outreach

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

- 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 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
4/21/2020	**Coronavirus: Shelter in place speeds up several major Bay Area transportation projects**	San Francisco Chronicle	Michael Cabanatuan

Quality Assurance

Quality Assurance monthly activity of oversight, surveillance, audits, proactive feedback and QA records actively involves the Project construction management staff, the resident engineers, the prime construction contractor and their subcontractors.

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:
    - ◊ Initial: 8 CNCRs are currently posted to the CNCR Log as INITIAL entries. (The Contractor is required to generate a CNCR within 24 hours of becoming aware of what appears to be nonconforming work).
    - ◊ Dispositioned (not acceptable): 26 CNCRs are currently posted to the CNCR Log as DISPOSITIONED (NOT ACCEPTABLE) and have been returned to the Contractor because the RE's review of the Contractor's proposed disposition determined that the proposed disposition is not appropriate and must be revised).
    - ◊ Dispositioned: 8 CNCRs are currently posted to the CNCR Log as DISPOSITIONED and are being reviewed by associated SFMTA RE to verify that the Contractor's proposed dis-

position is appropriate.

- ◊ Approved: 44 CNCRs are currently posted to the CNCR Log as APPROVED because the suggested REPAIR dispositions have been approved and the CNCRs will remain open until the approved REPAIR procedure is performed
- ◊ Closed: 396 CNCRs are currently posted to the CNCR Log as CLOSED.
- ◊ Voided: 54 CNCRs are currently posted to the CNCR Log as VOIDED (subsequent evaluation of the INITIAL CNCRs determined that a CNCR is not warranted)
- ◊ 536 CNCRs are currently posted to the CNCR Log

Notice of Non-compliance (NCN):

- Project QA has issued 33 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 Contactor 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 Contractors QC or responsible production supervision. This presents potential risk

QA Concerns:

- 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 quality has not suffered to date; however the aforementioned concern remains
- Project schedule compression demands disrupting RE, design staff priorities, and work flows as mentioned above; quality has not suffered but the concern remains
- CNCR 354, which documents that standard strength and not high strength 115 RE rail has been furnished and installed by Tutor Perini Corporation (TPC) the C1300 Contractor. CNCR 354 was

dispositioned as Use-As-Is and was then rejected by SFMTA and returned to TPC QC to address the requirements of 34 11 14 *Rail.* SFMTA wrote a letter to TPC directing the removal of the non-conforming rail. SFMTA QA was informed by TPC's Project Manager that CNCR 354 would be voided. SFMTA QA's concern is that that CNCR 354 was voided by TPC perceived ambiguities in the contract documents without consideration of other contract document requirements. Non-compliance Notice NCN STS-001 was issued, directing TPC to reinstate CNCR 354. The CNCR has not been reinstated. This issue is being closely monitored by SFMTA

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 did not take place in April 2020. The members of the Risk Assessment Committee will reconvene at a later date to review the top risks item in accordance with the risk summary sheet, which have been given a rating by The Committee of six and above. The committee will discuss impacts of COVID 19 to the risk management of the program.

Currently, thirty-four (34) 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 is in the process of evaluating the risk, schedule, and cost with FTA to ensure that the program has sufficient schedule and cost contingency.

Top Risks

Risk #	Risk Description	Risk Rating	Contract Phase
255	Water leaks at YBM station, including water in conduits to both electrical room and TP room	10	YBM
251	Physical activities missing (not defined) in the schedule / identify activities of undefined scope	8	STA
205	Prolong period of CMod's creates additional cost/causes bad blood between Resident Engineer and Contractor	8	STA
257	Systems Test Integration between components does not work; fails	8	RS
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
254	CPUC Field Certification - Not having enough staff to certify the work may slow down the process	6	STA

Program Safety & Security

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. As part of this order, some infrastructure projects were considered to be essential including Central Subway project. Essential projects were exempted from the order and allowed to continue in accordance with social distancing and others requirements. The Contractors have implemented a revised site Safety and security plans to incorporate various requirements of the order.

Construction Management team have been monitoring the progress of the work in order confirm that the work is progressing as expected and to document any realized impacts. Daily verification of labor has indicated that the current workforce levels are consistent with the levels observed pre-COVID-19. The team has observed some minor impacts to supply chains and construction efficiency, but have not resulted in a stoppage of work on any critical issues to date. However, the Contractors have notified the City that due to social distancing requirement, Contractors have modified their means and methods for some tasks. These modifications may potentially impact production rates as much as 25% as some of the labor forces are spending additional time to ensure compliance with these requirements. The team will monitor the workforce levels and production rates on a daily basis. The team is evaluating these potential claims to determine if they have merit and will work with the Contractors to resolve these impacts on the production rates which is critical to the completion of the project. The schedule team will also monitor the production rate and compare it against the initial rates prior to COVID pandemic.

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. We hold a "bagel break" once a month to help generate interest and attendance at the meetings. These monthly meetings have helped to create a real team environment.

Safety Summary for the 1300 Stations Systems Track Construction Package

In April, there were a total of two incidents. One was a first aid consisting of a strained elbow. The other consisted of a lower back injury.

In addition, there were crime at both UMS and YBM stations. A police report was filed at YBM station where valuables were stolen and the break-in at UMS station was also documented.

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 conduit, stairs, water piping, CMU wall, and GFRC panels.
2. At UMS, we continue to install stairs, elevators, overhead plumbing, fire protection piping, and overhead fixture and electrical.
3. At the YBM station, we continue to install escalators, elevators, EV controls, 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

Through Month End APRIL 2020

SAFETY GOALS

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

JOB TO DATE	Tutor	Subs	Total Project	Rate*
OSHA Recordable Accidents	32	8	**40**	1.80
Job Transfer or Restricted Duty Cases	0	0	**0**	0.00
Lost Time Cases	10	1	**11**	0.49
Total Project Incidents	42	9	**51**	2.29
Man Hours Worked Through M/E APRIL 2020	2,070,659	2,378,607	**4,449,266**	

YEAR TO DATE (Month ,Day, Year to Month, Day, Year)	Tutor	Subs	Total Project	Rate*
OSHA Recordable Accidents	1	2	**3**	2.70
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 APRIL 2020	76,194	145,990	**222,184**	

* 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 estimating and project control staff along with construction management staff. These estimating staff are needed to provide support for the current Contract Modification process to ensure that the program catches up to the backlog. These additional staff will supplement the existing staff to properly support ongoing effort to complete the project.

A supervisor watches workers atop scaffolding, building an interior cinderblock wall inside the Chinatown Station headhouse structure.

Staffing

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

	Feb-2019		Mar-2019		Apr-2019	
	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	9.40	1.40	9.40	1.40	8.15
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	21.80	22.10	21.80	22.10	20.55
Construction Management						
CM - CN 1252	0.00	0.00	0.00	0.00	0.00	0.00
CM - CN 1300	21.55	27.50	21.55	26.75	21.55	24.75
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	40.50	30.55	39.75	30.55	37.75
Start Up						
Start Up / Safety & Security	5.95	1.20	5.95	1.20	5.95	1.20
Subtotal	5.95	1.20	5.95	1.20	5.95	1.20
Total	**58.60**	**63.50**	**58.60**	**62.75**	**58.60**	**59.50**

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

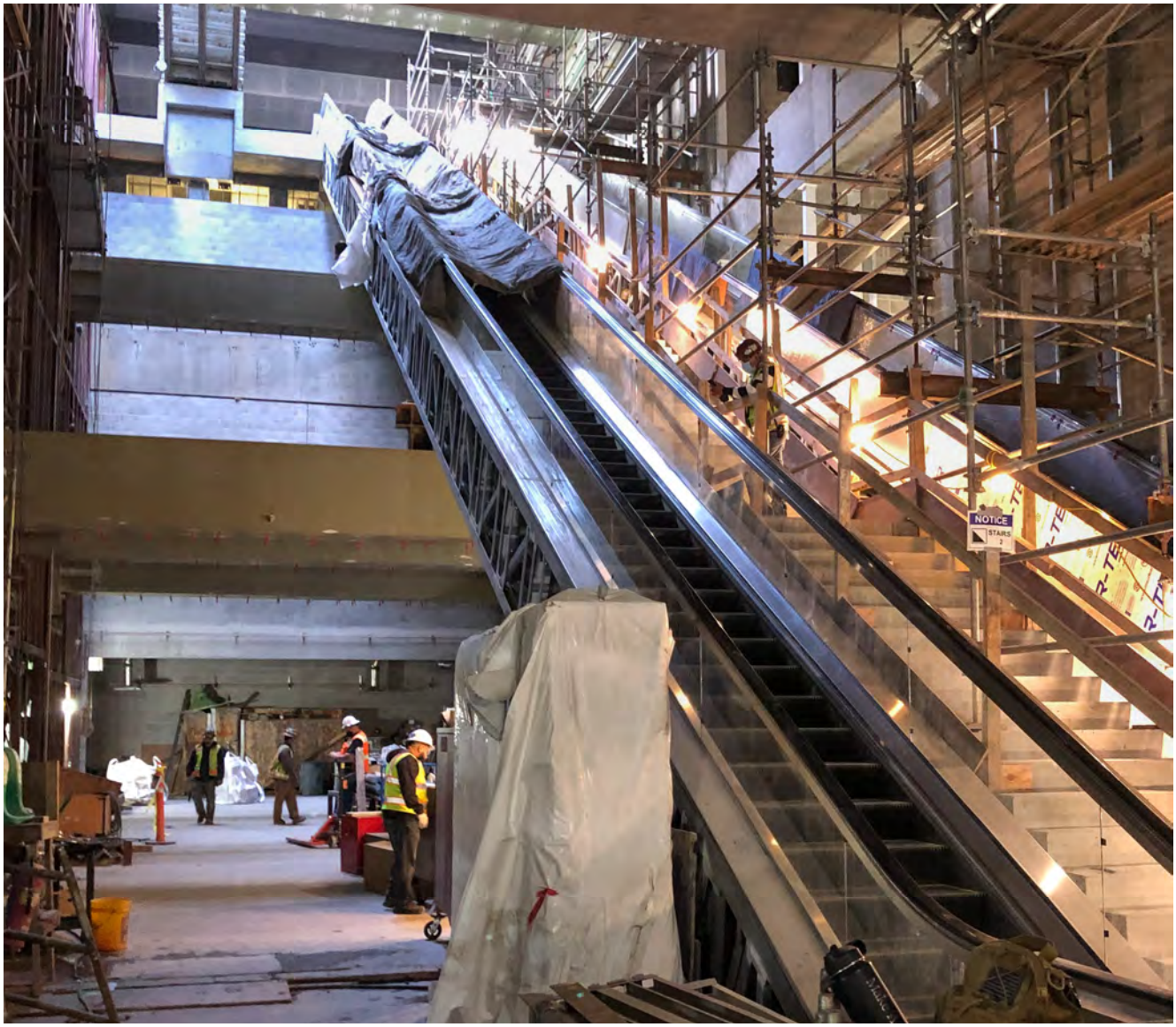
Third-Party Agreements

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.



Scaffolding has been assembled on the main staircase leading from the upper mezzanine down to the concourse lobby area, as interior walls and other station elements continue to be built nearby.

central T subway

Current Construction Activity

Chinatown (CTS)

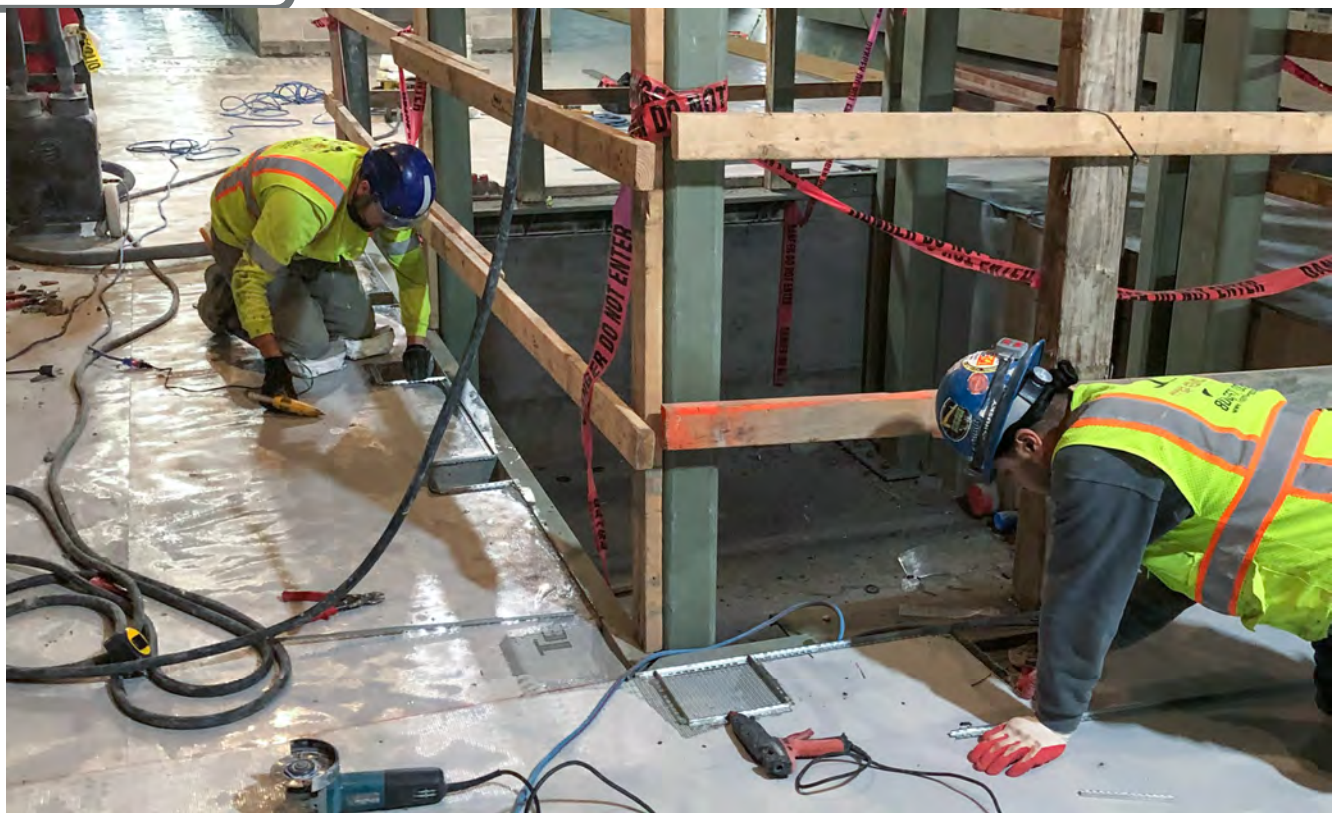
Union Square/Market Street (UMS)

Yerba Buena/Moscone (YBM)

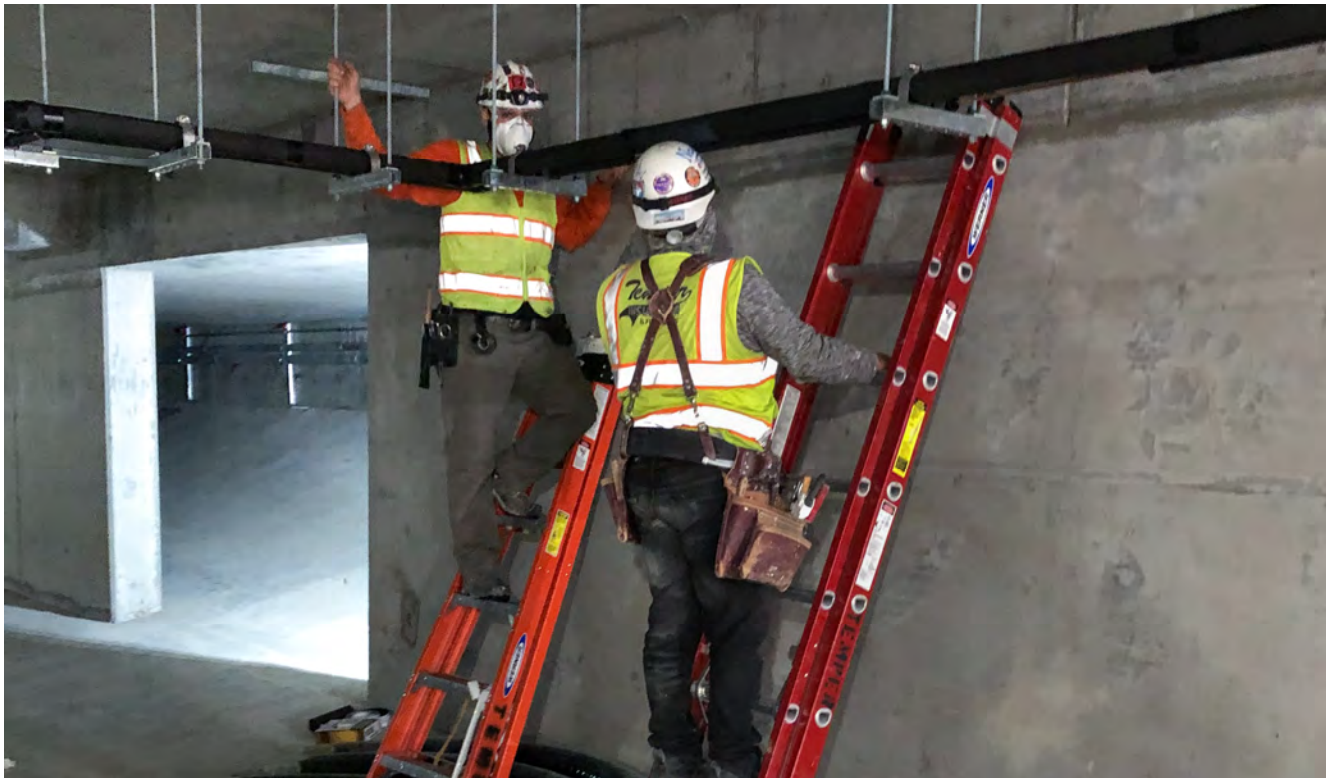
4th St. Surface Track, Systems (STS)

Now lowered into place, the first in a set of escalators leading to and from the street level entrance for Chinatown Station will be built out one piece at a time.

Scaffolding is bundled and loaded onto a flatbed following the completion of specific interior wall work, as two workers observe operations below from an access shaft on Washington Street.

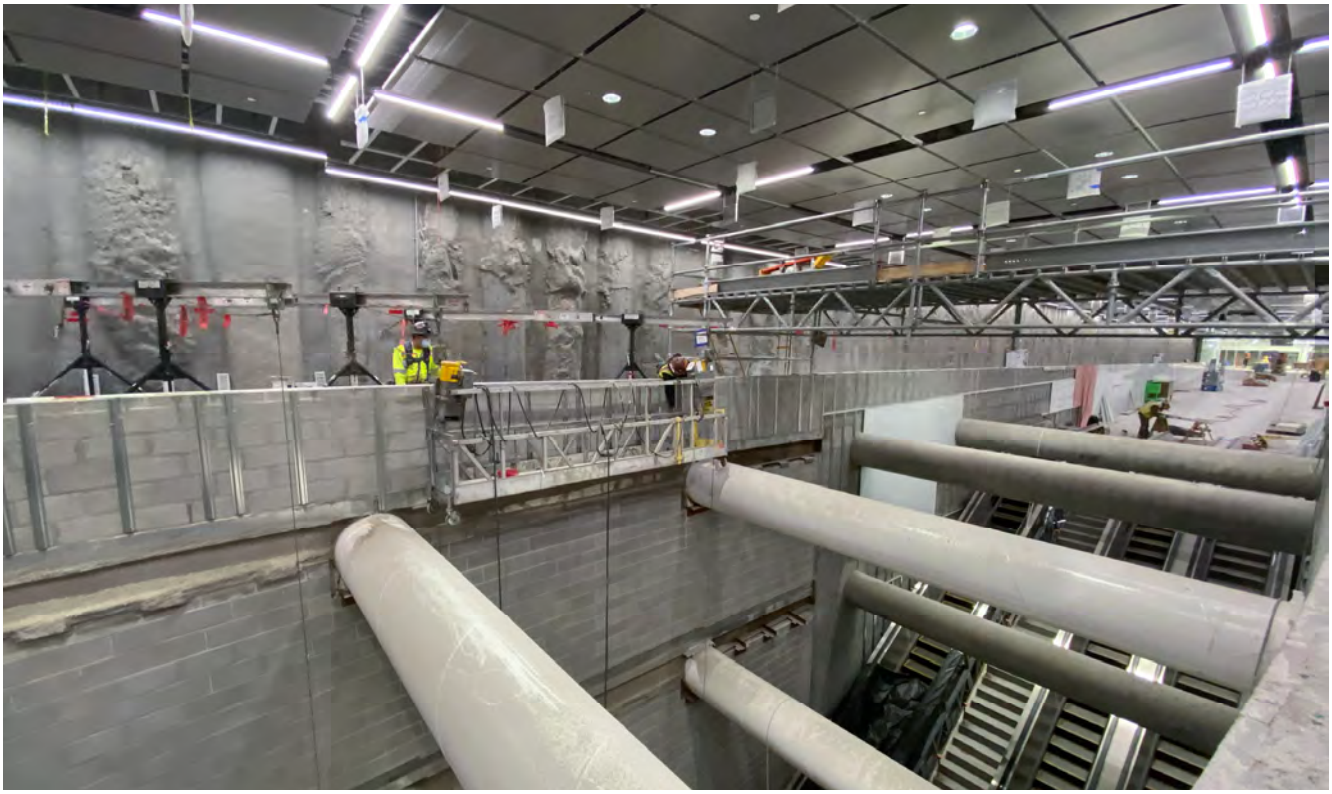


Recesses for lighting and other interior design elements are going in around steel framing for one of the concourse-to-platform elevators.



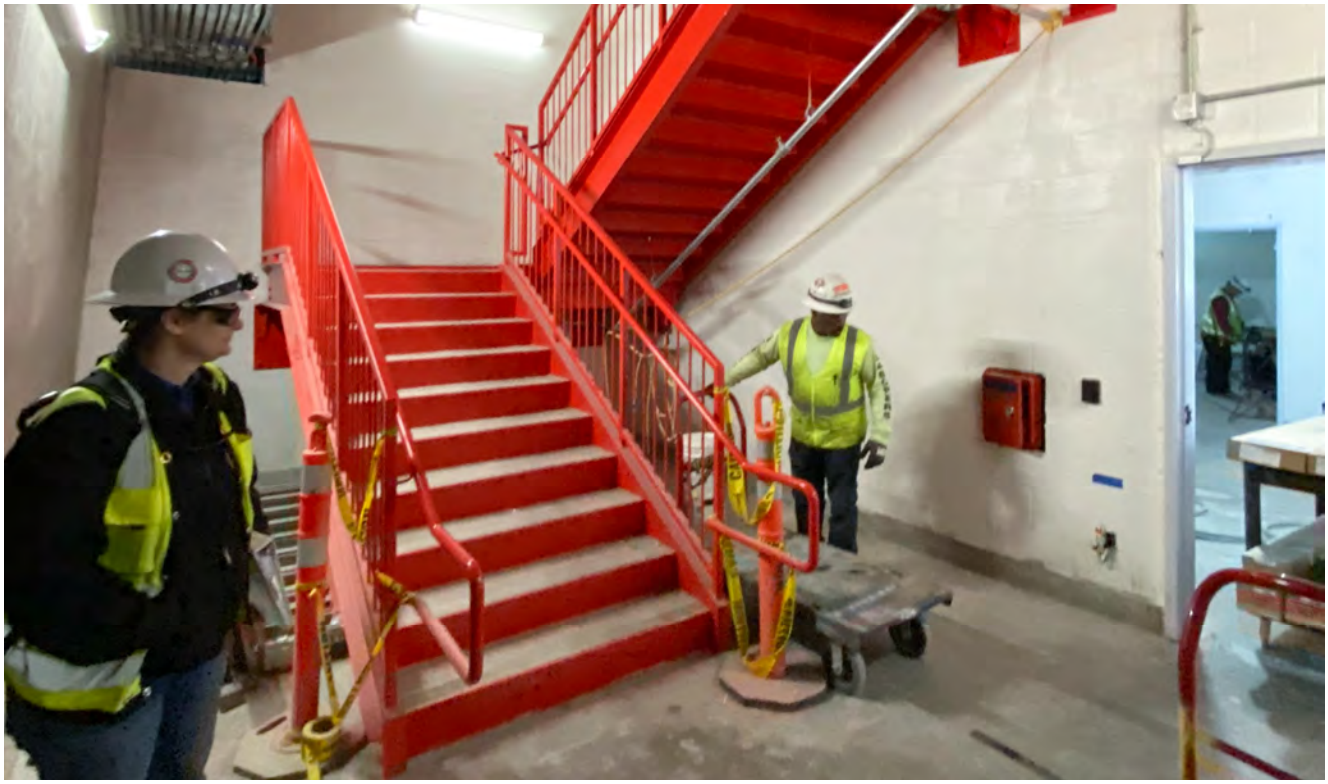
Workers install conduits, drain pipes, and other utilities inside the invert level under the Chinatown Station platform.

Next to the future north entrance for Union Square/Market Street Station, concrete stairs and terrace blocks have been placed, with soil now being added to the planters as part of work to restore this section of the square.



Steel brackets for wall panels, ceiling elements, and utilities continue to be installed inside the Union Square/Market Street Station south concourse.

Arc welding highlights the shadow of a worker installing electrical systems for lighting and other interior elements adjacent to the Union Square/Market Street Station platform.



Emergency egress stairs inside Union Square/Market Street Station are painted a distinct red to make wayfinding easier.

YBM

Photos were unavailable for YBM Station this month but will be updated next month.

Workers review design details during construction of a staircase leading up to the northbound tunnel walkway from Yerba Buena/Moscone Station.

Poles for future signage and signaling equipment have been installed at a number of locations along the 4th Street surface alignment.

With recently-installed catenary system wires spanning overhead, a crew builds concrete forms for a raised walkway to ferry future heavy equipment across the tracks inside the crossover cavern south of Chinatown Station.

Electrical systems are being installed along the southbound track where it transitions from the Chinatown Station platform area to the track crossover cavern.

central T subway

Connecting people. Connecting communities.

Appendix A

DETAIL COST REPORTS

*April 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 2020.

1. PROJECT COST

The Current Cost Estimate (CCE) for the Central Subway Project is $1.578 billion in year of expenditure dollars ($YOE). This total project cost is shown at the top of Report 7.1, Program Project Budget. This capital cost projection incorporates allocated and unallocated contingencies to cover the risks associated with the project completion. The Program is in the process of evaluating and adjusting the Program's Estimate at Completion (EAC) as part of a workshop with FTA. The Program intends to report a revised EAC to the SFMTA Board, but has been delayed due to COVID related issues. When approved by the Board, the Program will adjust the overall Program budget and contingency.

Total net incurred costs for the project are $1,518.23 million, a $7.61 million increase over last month. The cost to date figure reflects expenditures through FAMIS 786 Report ($1,480.03 million) plus the utilities joint trench Form B Reimbursement payment ($12.51 million), invoices currently being processed ($32.92 million) and estimates of outstanding pay requests ($0.42 million). This incurred amount equals 96.7% of the total project budget of $1.578 billion.

The current funding level to date is $1,556.74 million and includes Low Carbon Transit Operations Program (LCTOP) Funds FY2019/2020 $4,000,000 and Proposition B (City of San Francisco Adjusting Transportation Funding for Population Growth) FY2020 $3,191,063 appropriated in September 2019 . This represents 98.7% of the total project budget and we anticipate the addition of $21,558,937 to complete the funding of the program.

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	119	1/31/2020	$ 348,550.37
CS155.2	120	2/29/2020	$ 275,868.99
*CS155.2**	121	3/31/2020	$ 275,868.99
*CS155.2**	122	4/30/2020	$ 275,868.99
CS155.3	116	11/30/2019	$ 123,796.64
CS155.3	117	12/31/2019	$ 155,939.80
CS155.3	118	1/31/2020	$ 155,191.61
CS155.3	119	2/29/2020	$ 179,287.12
*CS155.3**	121	4/30/2020	$ 179,287.12
CN1300	75	2/29/2020	$ 19,015,263.00
CN1300	76	3/31/2020	$ 7,696,392.00
*CN1300**	77	4/30/2020	$ 3,977,096.00
CS149	134	1/31/2020	$ 990,726.00
*CS149**	135	2/29/2020	$ 1,096,959.00
*CS149**	136	3/31/2020	$ 1,345,000.00
*CS149**	137	4/30/2020	$ 1,365,000.00
*other accruals**		4/30/2020	$ (4,474,815.03)
** Estimated Amount*			**$ 33,335,176.72**

2. CONTINGENCY ALLOCATIONS AND USAGE

The current Total Project Contingency is negative $17.24 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, both Contract 1252 Tunnel and CN1300 Station did not process any contract modifications. Refer to Report 7.5 for approved contract modifications and potential changes.

3. BUDGET TRANSFERS

No budget transfers in this reporting period.

4. FORM B

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

TABLE A2: UTILITIES JOINT TRENCH FORM B DETAILS	[A] Mar 2015 BUDGET	[B] EXPENDED TO DATE	Associated Cost Account
1.3.491.07.040.02 - FORM B - CN1250 UTILITY REIMBURSEMENT	(2,275,419)	2,463,325	1.3.081.07.040.02 - 1UTL:SITEWORK: 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:SITEWORK: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 April 2020 Report, the Preliminary Earned Value Analysis reports is based on the SFMTA April Schedule Update. The Planned Value, Earned Value, Actual Cost, Percent Complete and resulting indexes as follows:

Preliminary April Earned Value

Overall Budgeted Cost:	$1,578,300,000
Planned Value:	$1,589,690,998
Earned Value:	$1,460,310,250
Actual Cost:	$1,525,846,545
Schedule Performance Index (SPI):	0.92
Cost Performance Index (CPI):	0.96
Percent Complete:	91.6%

SFMTA, EV Chart

APRIL 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		**03-Jun-03 A**	**30-Aug-23**	**91.64%**	**$1,578,299,999.95**	**$1,589,690,998.10**	**$1,460,310,249.84**	**$1,525,846,545.01**	**0.96**	**0.92**
	Preliminary Engineering Phase	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
	Final Design	08-Jan-10 A	17-Jun-13 A	100%	$115,075,987.10	$115,075,987.06	$115,075,987.06	$113,952,469.99	1.01	1.00
	Light Rail Vehicles	15-Apr-13 A	21-Oct-20	8.25%	$16,800,000.00	$26,385,653.00	$2,177,131.58	$11,929,246.72	0.18	0.08
	Real Estate	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 Phase	03-Jan-10 A	04-Nov-22	92.68%	$1,360,858,864.80	$1,354,761,945.53	$1,259,109,175.18	$1,322,879,703.24	0.95	0.93
	Construction Support and Costs	03-Jan-10 A	04-Nov-22	97.84%	$210,224,127.80	$199,862,849.06	$195,550,360.76	$198,099,607.11	0.99	0.98
	Construction Utility Contract #1 - MOS & Portal CN-1250	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 Utility Contract #2 - UMS CN-1251	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 Tunnels CN-1252	08-Jun-11 A	27-Apr-20	93.05%	$233,511,253.03	$251,069,047.23	$233,608,974.28	$233,511,253.34	1.00	0.93
	Construction STS P-1258 ATCS	20-May-14 A	04-Mar-21	44.21%	$18,038,709.00	$15,601,190.55	$7,973,187.33	$7,975,084.00	1.00	0.51
	Construction STS P-XXXX Radio	27-Aug-19 A	01-Jan-21	0.8%	$4,809,852.50	$3,793,233.10	$38,735.60	$32,098.00	1.21	0.01
	Construction CN-1300	03-Jun-13 A	15-Mar-21	92.63%	$861,639,691.00	$851,672,893.59	$789,175,185.20	$850,624,429.32	0.93	0.93
	Unallocated Contingency	27-Apr-20	15-Sep-21	0%	$6,882,669.00	$9,519,456.49	$0.00	$0.00	0.00	0.00
	Project Management	16-Sep-21	30-Aug-23	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) PTIMSE	$308,601	$307,792
Prop. 1A (HSR-Bond)	$61,308	$61,308
State Subtotal	**$396,407**	**$395,598**
Local		
LCTOP	$4,000	$4,000
Operating	$4,970	$0
MTA	$0	$0
Prop. B Pop Baseline	$26,985	$16,055
Prop. K	$143,542	$138,692
TSF Transit	$3,191	$3,191
Local Subtotal	**$182,688**	**$161,938**
CPT 544 Total	**$1,578,300**	**$1,556,741**

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	$1,578,300,000	J. Funghi	62% Fed, 30% State, 8% Local	yes	1
		Total:	**$1,578,300,000**				

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**				

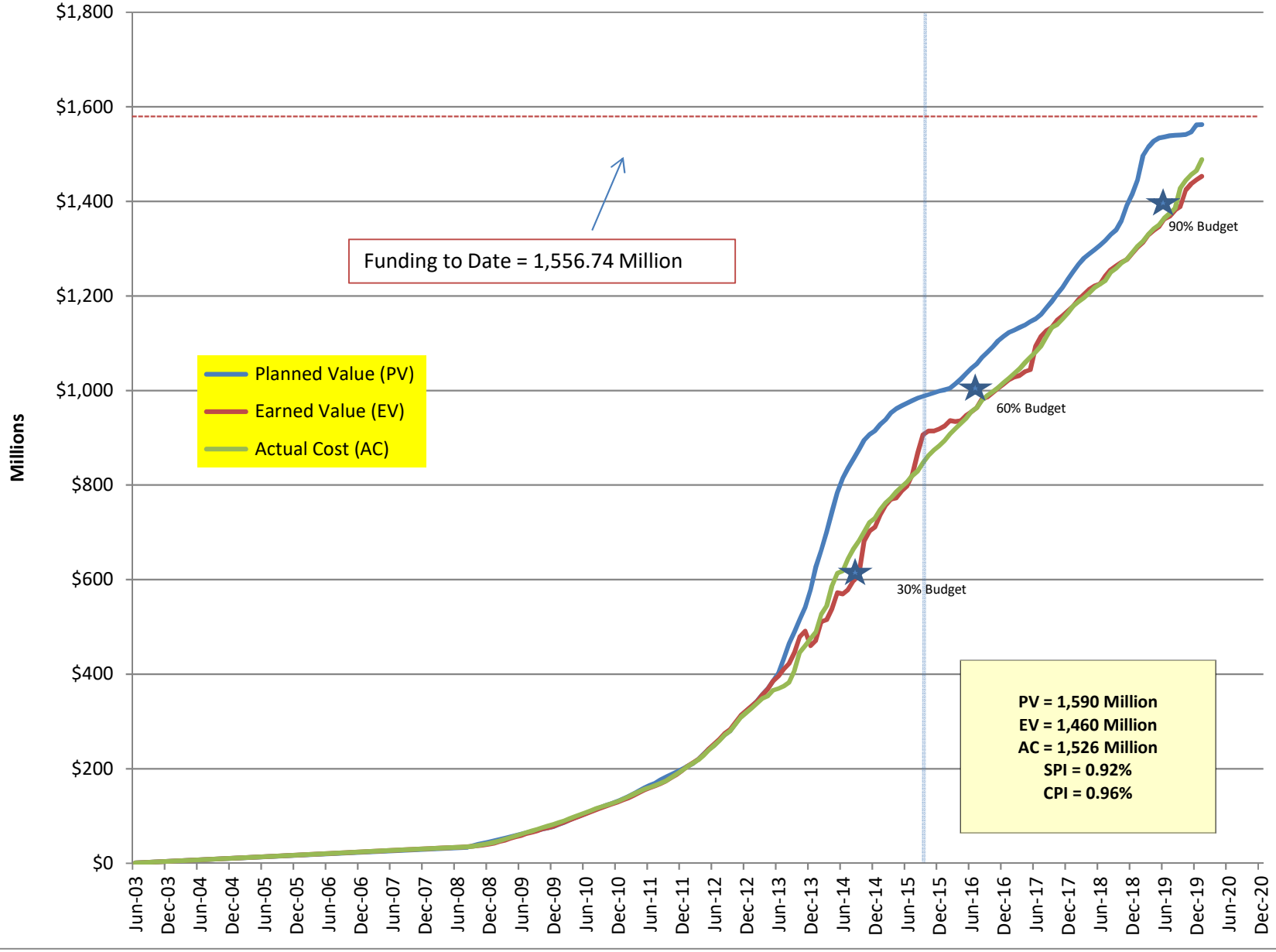
C. Central Subway Project - Project Offset Credits

	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	$112,102	68W409	Contract 1252 CMod #48	yes	14
10	3/15/2016	Support for North Beach Restoration, OCS and Streetlighting	$155,468	68T7373342D2/D3	Contract 1252 CMod #51	yes	15
11	6/27/2016	DPW - MOU for Water Line above YBM Station	$438,218	68W592	Contract 1300 CMod #20	yes	16
12	12/9/2016	SFWD - 8' water line at the intersection of Fourth and Jessie Street	$21,020	68W456	Contract 1252 CMod #49 partial ($2,102) and #60	yes	17
13	1/15/2020	CS-Chinatown Metro Plaza - CN1300	$4,968,239	68CPT7181341	Contract 1300 CMOD #123 partial	yes	17a
		Total:	**$29,663,848**				

central T subway

Earned Value Cash Flow Curve

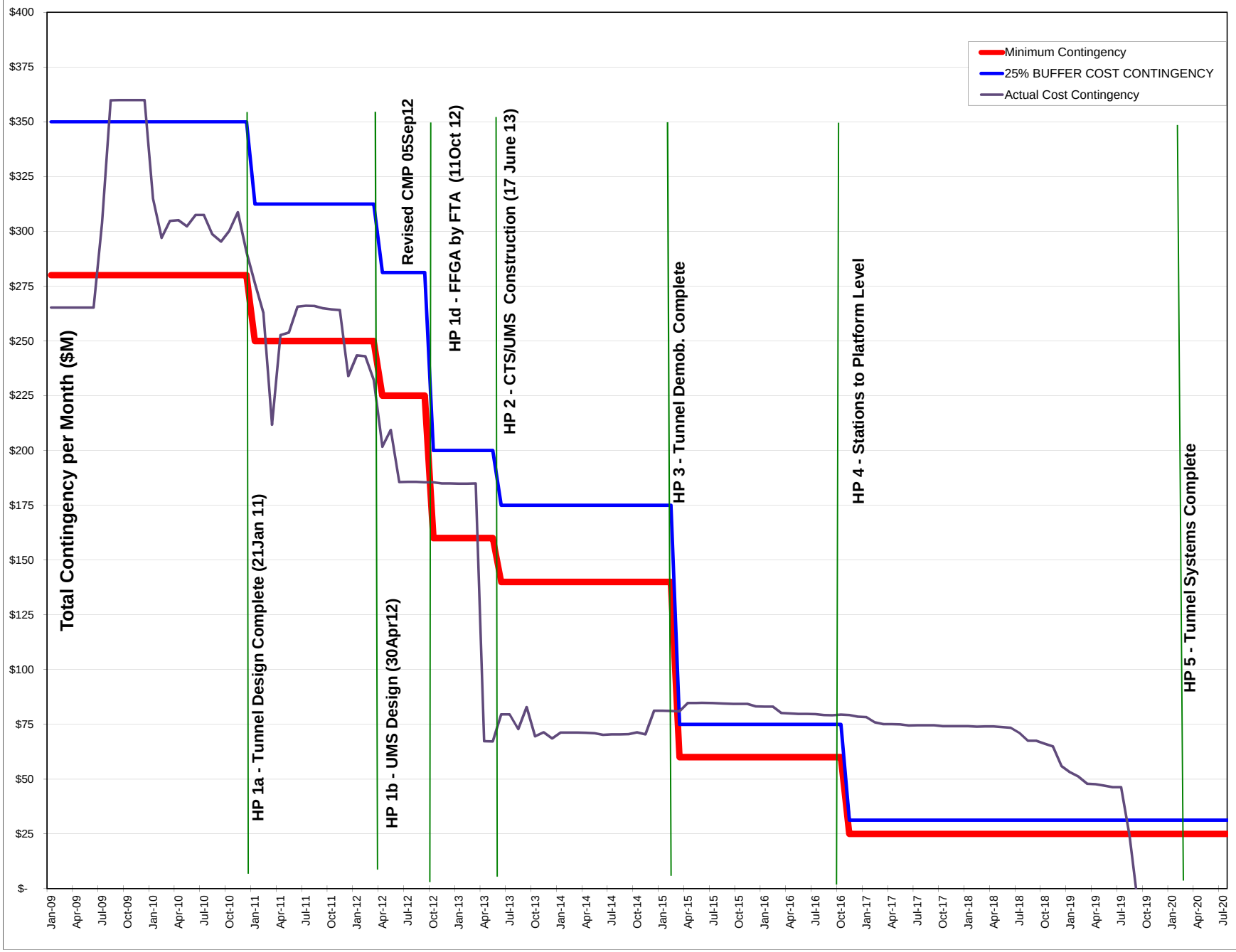
Report Period: April 2020
7.2 EARNED VALUE CASH FLOW



central subway

Cost Contingency Drawdown

Report Period: April 2020
7.3 CONTINGENCY DRAWDOWN CURVE



		CONTRACT COST					CONTINGENCY					BUDGET	VARIANCE	
	COST ELEMENT	ORIGINAL CONTRACT VALUE / September 2013 SUPPLEMENTAL BUDGET	APPROVED CHANGES	CURRENT CONTRACT VALUE [a + b]	POTENTIAL CHANGES	ESTIMATE AT COMPLETION (EAC) [c + d]	ORIGINAL CONTINGENCY / Sep 2013 SUPPLE-MENTAL CONTINGENCY (Include CN 1250 & CN1251)	CONTINGENCY ADJUSTMENT TRANSFERS	REVISED AUTHORIZED CONTINGENCY (Include CN1250 & CN1251) [f + g]	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]	Cost Report Notes
		a	b	c	d	e	f	g	h	i	j	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	48,604,326	888,280,726	15,385,855	903,666,581	20,000,000	20,000,000	21,963,291	(26,641,035)	(42,026,890)	861,639,691	(42,026,890)	21
	1253 UNION SQUARE/MARKET ST STATION [UMS]	294,030,590	7,744,337	301,774,927	4,689,717	306,464,643	5,000,000	15,000,000	20,000,000	12,255,663	7,565,947	314,030,590	7,565,947	
	1254 CHINA TOWN STATION [CTS]	247,567,810	52,199,817	299,767,627	1,853,407	301,621,034	5,000,000	5,000,000	10,000,000	(42,199,817)	(44,053,224)	257,567,810	(44,053,224)	*22*
	1255 YERBA BUENA/ MOSCONE STATION [YBM]	158,089,000	3,241,425	161,330,425	1,270,959	162,601,384	5,000,000		5,000,000	1,758,575	487,616	163,089,000	487,616	
	1256 SURFACE TRACKWORK & SYSTEMS [STS]	139,989,000	(14,581,253)	125,407,747	7,571,773	132,979,520	5,000,000		(13,036,709)	1,544,544	(6,027,229)	126,952,291	(6,027,229)	
OTHER		38,239,187	23,938,659	62,177,846		62,177,846	1,160,000	1,060,000	25,098,659	1,160,000	1,160,000	63,337,846	1,160,000	*23*
	SCC 10 - 50 Construction Sub-total	1,137,848,462	79,000,965	1,216,849,427	15,385,855	1,232,235,282	52,139,137	(3,461,158)	53,519,929	(25,481,035)	(40,866,890)	1,191,368,391	(40,866,890)	*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	19,126,155	329,644,196		329,644,196	18,221,079	(16,862,657)	1,358,422	1,358,422	1,358,422	331,002,618	1,358,422	26a
	SCC 60 - 80 Construction Sub-total	371,138,552	7,551,965	378,690,517	0	378,690,517	21,498,020	(20,139,598)	1,358,422	1,358,422	1,358,422	380,048,939	1,358,422	
SCC 90	UNALLOCATED CONTINGENCY						3,845,945	7,608,606	11,454,551	6,882,669	6,882,669	6,882,669	6,882,669	27
TOTAL		1,508,987,014	86,552,930	1,595,539,944	15,385,855	1,610,925,799	77,483,102	(15,992,150)	66,332,902	(17,239,944)	(32,625,799)	1,578,299,999	(32,625,800)	

Total Project Budget	1,578,300,000	28
Estimate At Completion	1,610,925,799	29
Variance	(32,625,800)	30

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

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	**839,676,400**				**$888,280,726**
Substantial Completion	**6/29/2020**				**6/29/2020**

	UMS	CTS	YBM	STS	COST REPORT NOTES
Potential Changes	**4,689,717**	**1,853,407**	**1,270,959**	**7,571,773**	31
Change Order - Pending					
Job Readiness - CTS		(195,000)			
Job Readiness - STS				(70,000)	
Job Readiness - UMS	(195,000)				
Job Readiness - YBM			(70,000)		
PCC 300 - Radio Direct costs				2,140,404	
STS COR 1908 Cnfrm Crss Psg Sump Pu				8,415	
STS PCC 552 ATCS Clarification				4,000,000	
STS PCC 569 EVACs System - Fire Ala				605,629	
UMS COR 1357 Cncrs Stn Agnt Boot	13,484				
UMS COR 1938 Plaza Vent Wall Slab C	29,000				
UMS PCC 263 LED artwork	393,571				
UMS PCC 363 Ellis Entrance Finishes	151,137				
UMS PCC 650 Install SFMTA DT Cndts	83,254				
UMS PCC 655 Door Framing Revisions	22,291				
YBM COR 1952 Missing Framing Detail			7,982		
YBM PCC 711 Coil Insert Lifting Soc			4,657		
Change Order Request (COR)					
CTS COR 1682 Panelboard Shop Drawin		0			
CTS COR 1704 GEN Failure of Timely		0			
CTS COR 1710 3 Added Labeling for D		0			
CTS COR 1742 DSC/Notice of Delay Ex		0			
CTS COR 1743 Stair 1 & Escalators 1		271,242			
CTS COR 1932 Plmbing Pipes at Stair		0			
CTS COR 1980 Oversized Doors		0			
CTS COR 2003 Confirm Elev 3&4 Hoist		0			
CTS COR 2007 Channel Concrete Toler		0			
CTS COR 2008 Revised Sprnklr Piping		0			
CTS COR 2009 Fire Prtctn Pipe Routi		0			
CTS COR 2013 Confirm Revised Routin		0			
CTS COR 2014 Routing of Fire Protec		0			
CTS COR 2022 Box Strut Cnnctn Confl		0			
CTS COR 2023 Concrete Header at Gri		0			
CTS COR 2031 FP Mount Det Below Esc		23,535			
CTS COR 2034 DBAs at Inverted Curb		0			

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	**839,676,400**				**$888,280,726**
Substantial Completion	**6/29/2020**				**6/29/2020**

	UMS	CTS	YBM	STS	COST REPORT NOTES
CTS COR 2035 Slab Edge Type at Inve		0			
CTS COR 2036 Sloped Perm Slab Tie-I		0			
CTS COR 2047 Air Transfer Balance		0			
CTS COR 2051 Platform Level Sector		11,994			
CTS COR 2058 Cntrct Dsgn Cmpln T24		0			
CTS COR 2060 Cone Wall Tie-in at La		0			
CTS COR 2066 EV Damper Cnflct w Sta		0			
CTS COR 2071 PCC 050 Stair Tread Re		0			
CTS COR 2125 Drainage Piping &Trenc		76,766			
CTS COR 2141 Light Fixture Mounting		0			
CTS COR 2149 Reloc Preaction Sprnkl		0			
GEN COR 2116 SFMTA Prtrctd Rvw Fsk				0	
STS COR 1816 Trackway Info for PAV				0	
STS COR 1959 Assembly of Moto Ohtak				0	
STS COR 1996 Revised Loctations of				0	
STS COR 1998 Changes to PAV Headend				0	
STS COR 2001 Suspend Work Grout				0	
STS COR 2037 Added Cross Slope for				0	
STS COR 2056 Power Feed for Cross				0	
STS COR 2068 STS Signage Product Da				0	
STS COR 2075 4th & Brannan Station				0	
STS COR 2094 Conduit Conflict at Mo				0	
STS COR 2119 GEN SF Order of the He				11,631	
STS COR 2128 Simulated Field Accept				89,344	
STS COR 2129 Confirm Revised Routin				0	
STS COR 2140 Communication & Electr				0	
STS COR 2145 Notice of Delay				0	
STS COR 2152 Cancellation of 4th &				8,753	
STS COR 2160 Traction Power Ductban				0	
STS COR 2168 ATCS Loop Wire Install				0	
UMS COR 1977 Traffic Signal Switcho	0				
UMS COR 1989 Kiosk Bases	16,567				
UMS COR 2015 Field Modifications at	19,875				
UMS COR 2101 BART Fair Gates NDSC	0				
UMS COR 2157 Furnish Pendant Mount	9,839				
UMS COR 2161 Confirm Fan Coil Unit	0				

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	**839,676,400**	**$888,280,726**
Substantial Completion	**6/29/2020**	**6/29/2020**

	UMS	CTS	YBM	STS	COST REPORT NOTES
UMS COR 2162 Mounting Detail for	0				
USG COR 275 Conn. Plaza Grid B	0				
YBM COR 2017 Power & Light Req			0		
YBM COR 2061 PG&E Primary Power Ene			0		
YBM COR 2065 Added Cladding to Esca			0		
YBM COR 2078 Confirm EV MCC			0		
YBM COR 2083 HM Door Hardware Exit			6,670		
YBM COR 2107 Allowance for TC Reimb			0		
YBM COR 2117 Cnfrm Fireprfng Rqmnts			0		
YBM COR 2126 Non-Unfrm Inconsistent			0		
YBM COR 2130 SS Angles for Prtctn o			0		
YBM COR 2142 SFMTA Protracted Revie			0		
YBM COR 2156 Metal Wall Panel MP-01			58,434		
YBM COR 2167 Metail Wall Details			0		
Negotiation					
CTS COR 1621 HVAC 120VAC Requiremen		0			
CTS COR 1757 Stair 2 Support for Pr		0			
CTS COR 1798 S. Egress Waterproofin		0			
CTS COR 1810 Aluminum Roll Up Door		0			
CTS COR 1827 PA Mounting Detail		0			
CTS COR 1858 Crosscut Cavern CC Lvl		0			
CTS COR 1886 Specs for Alum. Comp.		0			
CTS COR 1898 Concrete Wall Rebar to		0			
CTS COR 1899 Fire Protection Sprink		0			
CTS COR 1900 Platform OH Ductwork C		0			
CTS COR 1904		0			
CTS COR 1909 Embed Plates Added at		0			
CTS COR 1924 Main Power Grating		0			
CTS COR 2110 m Access & Enclosure R		47,924			
CTS COR 2120 Surface Level Curbs at		53,779			
CTS COR 681 Crss Cut Cvrn SEM Excvn		30,001			
CTS COR 923 Esc Equp Room Size		0			
CTS PCC 493 CMU Walls		0			
CTS PCC 606 CTS Duct Conflict		178,979			
CTS PCC 619 Platform Level Door Mod		31,408			
CTS PCC 662 GFRC-Z Channel Revision		208,078			

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	**839,676,400**	**$888,280,726**
Substantial Completion	**6/29/2020**	**6/29/2020**

	UMS	CTS	YBM	STS	COST REPORT NOTES
CTS PCC 670 Rev.1 Stair #5 landing		85,787			
CTS PCC 674 Routing Drainpipe		10,342			
CTS PCC 680 Slab tie in details_		26,053			
CTS PCC 712 Stair 4 CMU Wall		34,370			
CTS PCC 731 Surface Lvl Column Embe		61,595			
CTS PCC258 Start PCN before Com PCS		0			
PCC 575 CTS Emergency Command		57,071			
STS COR 1075 U Wall Section Slab				2,001	
STS COR 1116 Live Ductbank in Cnflt				7,500	
STS COR 1201 Unkwn Stl Conduits				12,500	
STS COR 1251 Shal Utl Trak Slab				65,000	
STS COR 1268 FH Install NE 4th Brya				3,501	
STS COR 1276 Install Culvert 4th Br				(3,527)	
STS COR 1278 MRY Vault Cables				25,000	
STS COR 1364 Culvert Confl Trk Drn				1,001	
STS COR 1445 Unkwn Fiber Pave Reno				6,000	
STS COR 1446 PGE Vault Pave Reno				(1)	
STS COR 1510 Sta Canopy Column Slee				2,501	
STS COR 1593 ATT MH 4th Brannan				4,001	
STS COR 1615 Public Safety Comms				1	
STS COR 1622 Exist Pull Box Ramp				501	
STS COR 1634 Sewer Confl Light Pole				1,000	
STS COR 1700 Reject O&M Submittals				15,000	
STS COR 1739 Delete (4) gas line ca				(1)	
STS COR 1765 Add'l Electrical Labo				1	
STS COR 1782 ALL Access Cntrl & Int				25,000	
STS COR 1789 Utility Conflicts w/WD				0	
STS COR 1804 Structural Support Det				2,500	
STS COR 1874 PAV Headend Train Mvmt				0	
STS COR 1876 OCC Facility Sys Cutov				0	
STS COR 211 SW conf AWSS 4th/Freelo				2,281	
STS COR 220 DSC Relocate MRY DB&Vlt				10,358	
STS COR 406 Addtl TC at 4th/King				200,760	
STS COR 518 Wayside Signals				(1)	
STS COR 545 Traffic Control Costs				0	
STS COR 633 Ligting Arrrests Signal				(5,656)	

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	**839,676,400**				**$888,280,726**
Substantial Completion	**6/29/2020**				**6/29/2020**

	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 682 Shtdown #1 Rail Mods				4,716	
STS COR 737 Dct Bnk infc w AT&T Rem				1,228	
STS COR 787 AT&T Dct Bnk InCw N 36"				17,500	
STS COR 813 Permissive Signal				5,001	
STS COR 852 Caltrans Encrocmnt Prmt				(1)	
STS COR 865 Sd Swr Mnhl & 15" Sw Ln				7,501	
STS COR 890 Ex Pll Box Incon Crb Rm				1,501	
STS COR 909 PGE Gas Interruption				29,350	
STS COR 927 E Gas Conf w N CB				1,500	
STS COR 930 SW Cracks Conf w Grout				2,500	
STS COR 962 4th/King Incomp Hrdwr				17,224	
STS COR 999 E 18" Steel Pipe Confli				0	
STS PCC 223 4th and King Advnc Wrk				16,366	
STS PCC 633 Addl Trffc Ctrl Dev DT				32,519	
STS PCC 639 Spot Acceleration				94,299	
UMS 482 Elev 3&4 Machine Bm Support	37,764				
UMS COR 1460 Removal of CB on UD302	343				
UMS COR 1479 Incorr Sewer Laterals	2,501				
UMS COR 1672 Missing Branch Selecto	5,001				
UMS COR 1677 Damper Opening Curb	2,501				
UMS COR 1753 Stair Framing Conflict	5,001				
UMS COR 1893 All Sta Martinez Steel	575,000				
UMS COR 1922 SCADA Analog Connecti	20,000				
UMS COR 1975 EV Fan Control Panel 1	13,484				
UMS PCC 561 Add Struts for Curved M	318,768				
UMS PCC 629 Hardware Change in Door	2,342				
UMS PCC 666 Restore Eyebolt for OCS	12,456				
UMS PCC 681 Revisions to Vent Shaft	121,840				
UMS PCC 692 Elevator 3&4 Code Requi	48,405				
UMS PCC 701 Rmv Paint App Veneer Pl	34,570				
UMS PCC 709 Below Steel at Escalato	5,572				
UMS PCC 714 Fill Gap Btwn Esc & Sta	8,670				
UMS PCC 726 Install Seismic Bracing	86,670				
UMS PCC 737 Metal Stud Size Elv 1&2	8,439				
YBM COR 1454 Changes to Heat Recove			6,001		
YBM COR 1618 Instrum & Cntrl for HV			0		

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount		**839,676,400**			**$888,280,726**
Substantial Completion		**6/29/2020**			**6/29/2020**

	UMS	CTS	YBM	STS	COST REPORT NOTES
YBM COR 1906 Best Construction Delay			891,792		
YBM COR 390 Chip Mezzanine Headwall			30,003		
YBM PCC 59R Pavers Basis of Design			69,738		
YBM PCC 647 Size Chng for Invrt Dr			14,212		
YBM PCC 658 Accommodation Light Fix			67,089		
YBM PCC 82 Delete Scope Due to Hote			(19,513)		
CTS PCC 360 HVAC Ductwork Conflict		12,500			
CTS PCC 456 Throat Size and Anchor		0			
CTS PCC 471 Additional 120 VAC Powe		2,210			
CTS PCC 486 Structural Slab Changes		5,000			
CTS PCC 589 Sequence of Operation R		0			
CTS PCC 593 Station Benches Change		500			
CTS PCC 630 Rev 1 EOP Framing Rev		5,000			
CTS PCC 664 Finish for LMZ01 & PL09		2,456			
CTS PCC 665 GFRC Sup. & Box Struts		131,815			
CTS PCC 667 Finish for room PL18		10,000			
CTS PCC 669Rev 1 Esc 1&2 RC Rm Wall		7,500			
CTS PCC 675 Underplatform Level Door		10,000			
CTS PCC 676 Elevator Louver Size		226			
CTS PCC 682 Concrete header at GL 8		15,000			
CTS PCC 685 GFRC Panel conn details		21,012			
CTS PCC 689 Curb to Beam Conn.		23,000			
CTS PCC 690 Waterplug in MER		5,000			
CTS PCC 691 HSS & PL Conn Rev		250			
CTS PCC 696 Slab Opening		61,000			
CTS PCC 698 Drain Pipe and PGE Conf		5,000			
CTS PCC 705 FCN 01.1 Shotcrete		6,934			
CTS PCC 706 Relocate CMU Wall		0			
CTS PCC 707 Elevator Shunt Trip		5,000			
CTS PCC 717 Abandon Drain Holes		1,000			
CTS PCC 718 West Wall Along GL A		61,208			
CTS PCC 728 Restroom Wall at Surf		500			
CTS PCC 732 Esc Pit & GFRC Conflict		250			
CTS PCC 734 Elevator 1&2 Door		6,000			
CTS PCC 742 Curb Details for Gate		2,500			
CTS PCC 745 Add Drain Pipe at Surf		500			

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	**839,676,400**				**$888,280,726**
Substantial Completion	**6/29/2020**				**6/29/2020**

	UMS	CTS	YBM	STS	COST REPORT NOTES
CTS PCC 749R 1 Door Swing LMZ03A		500			
CTS PCC628 Police Officer at Powell		75,000			
CTS PCC661 Revise PL15B Door Swing		250			
CTS PCC663 Reduce Door RF01A Height		184			
CTS PCC715 HSS Support at Esc 1 & 2		2,766			
CTS PCC746 GFRC Framing Support		2,500			
STS PCC 306 Adv Track Slab Excav				2,500	
STS PCC 406 OCS Changes on Townsend				25,000	
STS PCC 481 NL Drainage and Bulkhea				15,000	
STS PCC 618 Mod Swoosh Arm P1 P2				4,387	
STS PCC 672 Dlt Spare & Fiber Rack				(15,208)	
STS PCC 695 Train Track Comp Cost				122,500	
UMS PCC 394 Mezz. Corridor and Beam	206,717				
UMS PCC 620 Stl Tube Spprt Wall Sys	2,500				
UMS PCC 622 Fill Runnel Gap	3,609				
UMS PCC 644 Instll 42" Grd Barrier	27,500				
UMS PCC 646 LED Light & Ceiling Pan	22,704				
UMS PCC 654 Install Neutral Wire	5,000				
UMS PCC 656 Wtr Infiltarion Cleanin	10,000				
UMS PCC 660 Increase Depth of Wall	10,502				
UMS PCC 679 Reloc Duct Pnetrtn Loc	5,000				
UMS PCC 686 Revise Precast Bench D	13,503				
UMS PCC 697 Instll Sump Pit Cvrs	3,009				
UMS PCC 704 Del of Shunt Trip Devic	0				
UMS PCC 710 Install Ethernet Cable	5,000				
UMS PCC 724 Stainless Steel Handrai	10,000				
UMS PCC 729 Waterproofing for Roof	3,092				
UMS PCC 738 Pwr Req&Loc for Water H	2,500				
UMS PCC 756 Furnish Pendant Mount S	5,000				
YBM PCC 496 Curp Ramp NW Corner Haw			12,500		
YBM PCC 541 Close Opng Door CN324			17,500		
YBM PCC 599R1 Delete CN324 Ceiling			0		
YBM PCC 627 Instll Fire-Rated Clngs			25,000		
YBM PCC 634 Stair 2 Revisions			12,500		
YBM PCC 638 Runnel gap at Escalator			25,000		
YBM PCC 642R1 Install Drainage Str 3			5,000		

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	**839,676,400**				**$888,280,726**
Substantial Completion	**6/29/2020**				**6/29/2020**

	UMS	CTS	YBM	STS	COST REPORT NOTES
YBM PCC 645 Misc Elctrcl Revision			10,000		
YBM PCC 673 Various Canopy Changes			25,000		
YBM PCC 677 Replace CCTV Terminatio			750		
YBM PCC 678R1 CMU Wall Under Elv Pit			10,000		
YBM PCC 708 Elev Con Rm Sprinklers			14,210		
YBM PCC 721 Shunt Trip Switches Rev			7,500		
YBM PCC 723 Ceiling Diffusers in LR			12,500		
YBM PCC 740 GFCI receptacles at Esc			2,500		
YBM PCC 744 Stainless Steel Angles			1,250		
YBM PCC 753 Condenser Disconnect Mo			11,187		
YBM PCC 757 Closing of MZ201 Wall G			5,000		
YBM PCC 759 F8 Light Fixture St 2			6,500		
Approved	**7,744,337**	**52,199,817**	**3,241,425**	**(14,581,253)**	
Contract Modification					
CMod # 14 YBM COR 036, 078			58,526		
CMod #017 CTS CORs 001 053 & 069		54,322			
CMod #018 CTS PCC 012		60,248			
CMod #021 STS CORs 48/52/114/233/252				18,221	
CMod #025 - Various CORs			59,113		
CMod #026 YBM COR 072			84,509		
CMod #027 UMS PCC 092	0				
CMod #028 CTS PCC 017.1		97,743			
CMod #029 STS PCC 009.1				(143,668)	
CMod #033 CTS Various CORs		56,422			
CMod #034 CTS Various CORs		19,334			
CMod #035 STS PCC 077				11,147	
CMod #037 CTS Various CORs		8,886			
CMod #038 STS Various CORs				52,553	
CMod #039 UMS Various CORs	23,271				
CMod #040 YBM Analytical Soil Test			3,655		
CMod #049 STS DSC CORs				136,728	
CMod #050 STS DSC CORs				67,036	
CMod #053 STS DSC CORs				17,035	
CMod #082 YBM COR 385			21,170		
CMod #083 YBM Various Changes			27,270		
CMod #084 YBM Various Changes			12,156		

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	**839,676,400**	**$888,280,726**
Substantial Completion	**6/29/2020**	**6/29/2020**

	UMS	CTS	YBM	STS	COST REPORT NOTES
CMod #085 YBM COR 086 Existing AT&T			156,831		
CMod #086 YBM COR 1106			1,897		
CMod #1 BART Elevator Option 1 @ Pow	90,000				
Cmod #10 YBM PCC 042			64,287		
CMod #100 UMS PCC 102 Fire & Life	48,149				
CMod #101 YBM COR 75 Slurry Wall			22,423		
CMod #102 STS PCC 410 ATCS Ext Cable				125,412	
CMod #103 UMS PCC 345 Lead Paint	221,766				
CMod #104 CTS Soil CMod Suppl CMOD19		1,621,173			
CMod #105 UMS Schedule Recovery	732,979				
CMod #106 CTS COR 1080 Acceleration		970,131			
CMod #107 YBM PCC 446 COR 1425			1,500,787		
CMod #108 STS Various Changes				50,400	
CMod #109 YBM 109 Various CORs			33,471		
CMod #11 UMS PCC 002	12,997				
CMod #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 #13 CTS COR 006		57,707			
CMod #15 YBM COR 196			3,178		
CMod #16 UMS COR 184	8,261				
CMod #19 CTS COR 007, 026		2,274,225			
CMod #20 YBM PCC 047 and 45			364,562		
CMod #22 UMS PCC 045, 046	16,198				
CMod #23 UMS PCC 058	63,838				
CMod #3 CTS Work Safely Ard Power Po		25,956			
CMod #30 YBM Various CORs			334,165		
CMod #31 UMS COR 595	53,701				
CMod #32 YBM Various PCCs			92,934		

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	**839,676,400**	**$888,280,726**
Substantial Completion	**6/29/2020**	**6/29/2020**

	UMS	CTS	YBM	STS	COST REPORT NOTES
CMod #36 YBM Conflict with Waterline			14,484		
CMod #4 CTS-Force Account Change Or		130,000			
CMod #41 YBM Class 2 Conta. Material			40,250		
CMod #42 UMS Addl. Service Conduits	36,873				
CMod #43 UMS D85 Structural Pile	65,188				
CMod #44 UMS Grade 50 Steel	572,884				
CMod #46 YBM/CTS/UMS S.walk Hatches			35,489		
CMod #47 UMS Roof Deck Schedule	76,124				
CMod #48 UMS Undgrnd. Storage Tanks	97,817				
CMod #5 YBM Deletion of Comp Groutin			(1,833,869)		
CMod #51 YBM Various CORs and PCCs			24,875		
CMod #52 YBM Undgrnd. Storage Tanks			167,393		
CMod #54 UMS USG Underpinning	732,157				
CMod #55 YBM Archeological Discovery			102,734		
CMod #56 YBM Contaminated Material			106,923		
CMod #57 STS Crossover Materials				21,245	
CMod #58 STS DSC CORs				90,081	
CMod #59 CTS DSC CORs		66,592			
CMod #6 CTS Plaza Constr Supt Servi		75,000			
CMod #60 UMS USG Two Fuel Tanks	61,312				
CMod #61 YBM Various CORs			207,181		
CMod #62 UMS Wales and Waterproofing	277,714				
CMod #63 CTS DSC CORs		38,025			
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	

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	**839,676,400**				**$888,280,726**
Substantial Completion	**6/29/2020**				**6/29/2020**

	UMS	CTS	YBM	STS	COST REPORT NOTES
CMod #78 STS Various DSC CORs				191,175	
CMod #79 STS PCC 014 Traffic Signal				242,427	
CMod #80 STS Add'l Work to DSCs CORs				111,701	
CMod #87 CTS Var Slurry Wall Changes		3,596,000			
CMod #88 STS Various COR Misc Work				38,346	
CMod #89 YBM CORs 390,485 & 848			85,095		
CMod #9 YBM COR 10,15,16,18,20,25			126,663		
CMod #90 CTS DRB Reimbursement		1,296,364			
CMod #91 YBM PCC 069			84,537		
CMod #92 CTS PCC 233 & 26		1,126,478			
Cmod #93 STS Coordinate of ATCS Work				(18,036,709)	
Cmod #94 UMS Various Changes	46,057				
CMod #95 UMS Bart Elv Opt 2 Add Cost	400,000				
Cmod #96 UMS Comp Grout Quantities	775,000				
CMod #97 STS COR 322 Tunnel Cleaning				399,000	
CMod #98 YBM PCC 76 AWSS SSFM			163,113		
Cmod #99 UMS Various Changes	996,584				
CMod 073 - PCC 066 PB				96,516	
CMOD 24 STS PCC 23				108,053	
Cmod#119: UMS: Various Changes PCC 110, 124, 127 190, 191, 247, and 429	131,687				
Cmod#120: UMS: PCC 122R1 - UMS 1 1/2 inch Drain Piping Grout Details - Dowel Support	560,280				
Cmod#121: YBM: Various Changes COR 825, 1359, 1610 and PCC 320R1			142,904		
CMod#7 STS FACOs 016, 017 &COR 009				80,170	
CMod#8 STS PCC 006 ATT MH, PB&Trench				225,208	
CTS CMod #122 Schedule Delay Costs		31,240,000			
STS CMod 045 PCC 008 Tunnel Lowering				107,285	
Grand Total	**12,434,053**	**54,053,224**	**4,512,384**	**(7,009,480)**	

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

Report Period: April 2020

		March 2020			April 2020				
Group by Contract & SCC	**CATEGORY ITEM**	**March 2020 Base**	**March 2020 Allocated Contingency**	**March 2020 Base + Allocated Contingency (YOE)**	**April 2020 Base**	**April 2020 Allocated Contingency**	**April 2020 Base + Allocated Contingency (YOE)**	**BUDGET TRANSFERS [April 2020] vs. [March 2020]**	**Cost Report Notes**
10-50	**CONSTRUCTION CONTRACT PACKAGES**	**1,212,007,477**	**(25,481,035)**	**1,191,368,392**	**1,212,007,477**	**(25,481,035)**	**1,191,368,392**	**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***	***888,280,726***	***(26,641,035)***	***861,639,691***	***888,280,726***	***(26,641,035)***	***861,639,691***	***0***	33
1253: UMS	UNION SQUARE/MARKET STREET STATION [UMS]	301,774,927	12,255,663	314,030,590	301,774,927	12,255,663	314,030,590	0	
	UMS 1253 Form B Credit	(528,370)		(528,370)	(528,370)		(528,370)	0	
1254: CTS	CHINA TOWN STATION [CTS]	299,767,627	(42,199,817)	257,567,810	299,767,627	(42,199,817)	257,567,810	0	
	CTS 1254 Form B Credit	(451,703)		(451,703)	(451,703)		(451,703)	0	
1255: YBM	YERBA BUENA/ MOSCONE STATION [YBM]	161,330,425	1,758,576	163,089,001	161,330,425	1,758,576	163,089,001	0	
	YBM 1255 Form B Credit	(100,000)		(100,000)	(100,000)		(100,000)	0	
1256: STS	SURFACE TRACKWORK & SYSTEMS [STS]	125,407,747	1,544,543	126,952,290	125,407,747	1,544,543	126,952,290	0	
	STS 1256 SFPUC SEWER MAIN CREDIT	(2,925,296)		(2,925,296)	(2,925,296)		(2,925,296)	0	
	STS 1256 Form B Credit	(1,000,000)		(1,000,000)	(1,000,000)		(1,000,000)	0	
OTHER	***OTHER CONSTRUCTION TOTAL***	***77,331,096***	***1,160,000***	***78,491,096***	***77,331,096***	***1,160,000***	***78,491,096***	***0***	
40.06	PUBLIC ART PROGRAM	8,175,555	1,160,000	9,335,555	8,175,555	1,160,000	9,335,555	0	
40.08	CN1300 JOB READINESS PROGRAM - OUTREACH	1,060,000		1,060,000	1,060,000		1,060,000	0	33
40.02	MISC. CONSTR CONTRCT WK (TRACTION POWER FOR 1251)	258,202		258,202	258,202		258,202	0	
40.01	CONTRACT 1300 SOIL PROCESS	500,000		500,000	500,000		500,000	0	34
50.01	THALES T&S ATCS	487,972		487,972	487,972		487,972	0	
50.01	CN1266-2 Advanced Train Control System (ATCS) - Implementation	14,611,285		14,611,285	14,611,285		14,611,285	0	34a
50.01	CN1266-1 Advanced Train Control System (ATCS) - Equipment	3,425,424		3,425,424	3,425,424		3,425,424	0	34a
50.06	MTA FARE COLLECTION EQUIPMENT	5,400,000		5,400,000	5,400,000		5,400,000	0	
50.06	BART FARE COLLECTION EQUIPMENT	700,000		700,000	700,000		700,000	0	

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

Report Period: April 2020

		March 2020			April 2020				
Group by Contract & SCC	**CATEGORY ITEM**	**March 2020 Base**	**March 2020 Allocated Contingency**	**March 2020 Base + Allocated Contingency (YOE)**	**April 2020 Base**	**April 2020 Allocated Contingency**	**April 2020 Base + Allocated Contingency (YOE)**	**BUDGET TRANSFERS [April 2020] vs. [March 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	25,094,436		25,094,436	25,094,436		25,094,436	0	34b
40.02 40.08	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**	**329,644,196**	**1,358,422**	**331,002,618**	**329,644,196**	**1,358,422**	**331,002,618**	**0**	
80.01	PRELIMINARY ENGINEERING	46,202,674		46,202,674	46,202,674		46,202,674	0	
80.02	FINAL DESIGN	61,318,331		61,318,331	61,318,331		61,318,331	0	
80.03	PROJECT MANAGEMENT FOR DESIGN & CONSTRUCTION	89,244,281	0	89,244,281	89,244,281	0	89,244,281	0	36a

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

Report Period: April 2020

		March 2020			April 2020				
Group by Contract & SCC	**CATEGORY ITEM**	**March 2020 Base**	**March 2020 Allocated Contingency**	**March 2020 Base + Allocated Contingency (YOE)**	**April 2020 Base**	**April 2020 Allocated Contingency**	**April 2020 Base + Allocated Contingency (YOE)**	**BUDGET TRANSFERS [April 2020] vs. [March 2020]**	**Cost Report Notes**
80.04	CONSTRUCTION ADMINISTRATION & MANAGEMENT	109,991,299	0	109,991,299	109,991,299	0	109,991,299	0	36a
80.05	INSURANCES	6,800,000		6,800,000	6,800,000		6,800,000	0	
80.06	LEGAL: PERMITS. REVIEW FEES BY OTHER AGENCIES	8,212,604		8,212,604	8,212,604		8,212,604	0	
80.07	SURVEYS, TESTING, INVESTIGATION. INSPECTION	933,100		933,100	933,100		933,100	0	
80.08	START-UP	6,941,907	1,358,422	8,300,329	6,941,907	1,358,422	8,300,329	0	
	ALL SCC CATEGORIES 10 TO 80	**1,590,697,994**	**(24,122,613)**	**1,571,417,331**	**1,590,697,994**	**(24,122,613)**	**1,571,417,331**	**0**	37
90	**UNALLOCATED CONTINGENCIES**			**6,882,672**			**6,882,672**	**0**	38
	TOTAL PROJECT COST 10 TO 100			**1,578,300,003**			**1,578,300,003**		
	TOTAL CONTINGENCY			(17,239,941)			(17,239,941)		
	CONTINGENCY MINIMUM			25,000,000			25,000,000		
	BELOW OR ABOVE MINIMUM			**(42,239,941)**			**(42,239,941)**		

COST STATUS BY CATEGORY	SCC CODES	Sum of Supplemental 2013 Budget	BUDGET March 2019	BUDGET TRANSFERS	BUDGET April 2020	Sum of April 2020	Remaining Budget (Column H-Column I)	April 2020 EAC	April 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	282,648,964	1,612,485	284,279,025	0	39
STATIONS, STOPS, TERMINALS, INTERMODAL	SCC 020	573,099,645	541,663,144	-	541,663,144	537,445,037	4,218,107	570,639,723	(26,641,035)	39
SITEWORK & SPECIAL CONDITIONS	SCC 040	235,514,097	264,806,024	-	264,806,024	268,630,997	(3,824,973)	270,486,237	1,160,000	39
SYSTEMS	SCC 050	90,774,397	100,637,776	-	100,637,776	77,935,780	22,701,996	106,830,297		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	61,200,826	117,506	61,318,331		
PM FOR DESIGN & CONSTRUCTION	SCC 080.03 - 080.04	197,146,664	199,235,580	-	199,235,580	196,351,318	2,884,262	199,235,580	0	39
OTHER PROF SRVCS	SCC 080.05 - 080.08	24,416,118	24,246,033	-	24,246,033	12,852,734	11,393,299	22,887,611	1,358,422	
UNALLOC CONTINGENCY	SCC 090	3,883,480	6,882,669	-	6,882,669		6,882,669		6,882,672	39
Grand Total		**1,578,300,000**	**1,578,300,000**	-	**1,578,300,000**	**1,525,846,545**	**52,453,455**	**1,610,925,799**	**(17,239,941)**	

SCC DESCRIPTION	April 2020 BUDGET	April 2020 CTD
010 - GUIDEWAY & TRACK ELEMENTS	284,261,448	282,648,964
020 - STATIONS, STOPS, TERMINALS, INTERMODAL	541,663,144	534,626,594
040 - SITEWORK & SPECIAL CONDITIONS	264,806,024	268,595,811
050 - SYSTEMS	100,637,776	76,691,276
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)	331,002,618	313,093,965
090 - UNALLOCATED CONTINGENCY	6,882,669	
Grand Total	**1,578,300,000**	**1,518,234,824**

SCC DESCRIPTION	March 2020 BUDGET	March 2020 CTD
010.02-Guideway: At grade semi-exclusive (allows cross-traffic)	2,860,000	2,855,000
010.06-Guideway: Underground cut & cover	69,816,407	69,117,301
010.07-Guideway: Underground tunnel	200,374,315	199,485,368
010.09-Track: Direct fixation	6,761,089	6,741,658
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	6,208,049
020.02-Aerial station, stop, shelter, mall, terminal, platform	1,544,543	0
020.03-Underground station, stop, shelter, mall, terminal, platform	500,843,668	509,261,664
020.04-OTHER STATIONS, LANDING, TERMINALS: INTERMODAL, FERRY, TROLLEY, ETC	9,360,183	0
020.07-Elevators, escalators	22,311,892	19,156,881
040.01-Demolition, Clearing, Earthwork	12,754,615	12,495,015
040.02-Site Utilities, Utility Relocation	68,753,443	78,368,341
040.03-Haz. mat'l, contam'd soil removal/mitigation, ground water treatments	9,423,125	9,378,786
040.04-Environmental mitigation, e.g. wetlands, historic/archeologic, parks	1,122,899	1,121,899
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	5,128,831
040.07-Automobile, bus, van accessways including roads, parking lots	6,579,099	6,409,470
040.08-Temporary Facilities and other indirect costs during construction	153,675,418	152,987,037
050.01-Train control and signals	28,291,363	34,156,947
050.02-Traffic signals and crossing protection	12,804,956	12,144,191
050.03-Traction power supply: substations	21,465,073	18,681,948
050.04-Traction power distribution: catenary and third rail	12,441,113	3,120,128
050.05-Communications	16,920,685	7,099,693
050.06-Fare collection system and equipment	6,100,000	627,988
050.07-Central Control	2,614,586	860,381
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	61,200,826
080.03-Project Management for Design and Construction	82,244,281	79,881,982
080.04-Construction Administration & Management	116,991,299	112,955,748
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	5,605,986
080.07-Surveys, Testing, Investigation, Inspection	933,100	906,553
080.08-Start up	8,300,329	0
090.00-Unallocated Contingency	6,882,669	
Grand Total	**1,578,300,000**	**1,518,234,824**

central subway
Connecting people. Connecting communities. SFMTA | Municipal Transportation Agency

Report Period: April 2020
CENTRAL SUBWAY PROJECT
7.9 DETAIL MONTHLY EXPENDITURE REPORT
GROUPED BY PROJECT PHASE

[A] Cost Account Description	[A] PRIOR Budget (YOE)		[B] April 2020 Budget (YOE)	ACTUAL COSTS [C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total	[G] VARIANCE (B - F)	COST REPORT NOTES
TOTAL PRELIMINARY ENGINEERING	**46,542,061**		**46,542,061**	**46,542,061**	**0**	**0**	**46,542,061**	**0**	40
11 - SFMTA PROJECT MANAGEMENT	8,800,164		8,800,164	8,253,957	0	0	8,253,957	546,208	41
12 - SFMTA ENGINEERING SERVICES	11,425,594		11,425,594	11,425,594	0	0	11,425,594	0	42
16 - DEPARTMENT OF PARKING AND TRAFFIC (DPT)	921,906		921,906	802,883	0	0	802,883	119,023	
21 - ARTS COMMISSION	1,500,570		1,500,570	1,500,570	0	0	1,500,570	0	43
22 - FIRE DEPARTMENT	33,825		33,825	35,343	1,518	0	35,343	(1,518)	
23 - CITY ATTORNEY'S OFFICE	1,234,754		1,234,754	1,234,754	0	0	1,234,754	0	
24 - RISK MANAGEMENT	0		0	0	0	0	0	0	
26 - PLANNING	99,604		99,604	99,604	0	0	99,604	0	
27 - DEPARTMENT OF PUBLIC HEALTH (DPH)	4,420		4,420	4,420	0	0	4,420	0	
29 - CITY AUDITOR	336,735		336,735	336,735	0	0	336,735	0	44
32 - DPW - IDC ENGINEERING (HYDRAULIC)	3,336,432		3,336,432	3,336,432	0	0	3,336,432	0	
34 - DPW - IDC CONSTRUCTION (CAPTITAL)	17,462		17,462	17,462	0	0	17,462	0	
36 - DPW - BSM INFRASTRUCTURE (MAPPING)	76,549		76,549	76,549	0	0	76,549	0	
39 - DPW - PCS SITE ASSESSMENT & REMEDIATION (SAR)	13,993		13,993	13,993	0	0	13,993	0	
51 - 821 HOWARD STREET	1,005,653		1,005,653	1,005,653	0	0	1,005,653	0	
55 - 651 BRANNAN	2,294,910		2,294,910	2,294,910	0	0	2,294,910	0	45
63 - CENTRAL SUBWAY PARTNERSHIP - AECOM-EPC JV CONTRACT 1	26,793,234		26,793,234	26,793,234	0	0	26,793,234	0	46
66 - ANIL VERMA	395,204		395,204	395,204	0	0	395,204	0	47
67 - HILL INTERNATIONAL CONTRACT 156	6,716,294		6,716,294	6,716,294	0	0	6,716,294	0	48
68 - ARTHUR GALLAGER & CO. CS 164	6,800,000		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	5,469,336	0	0	5,469,336	0	49
72 - STATIONS - CONTRACT # CONTRACT 155-2	26,220,609		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	11,432,312	0	0	11,432,312	0	51
331 - BAY AREA RAPID TRANSIT (BART)	146,427		146,427	146,427	0	0	146,427	0	
332 - SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY (SFC	0		0	0	0	0	0	0	
TOTAL FINAL DESIGN	**115,075,988**		**115,075,988**	**113,952,470**	**1,518**	**0**	**113,952,470**	**1,123,518**	
11 - SFMTA PROJECT MANAGEMENT	16,500,000		16,500,000	16,720,005	335,724	244,570	16,964,576	(464,576)	
1.3.011.01.080.03 - CM:SFMTA LABOR-PROJECT MANAGEMENT	16,500,000		16,500,000	16,720,005	335,724	244,570	16,964,576	(464,576)	
12 - SFMTA ENGINEERING SERVICES	2,923,582		2,923,582	2,897,189	32,369	44,133	2,941,322	(17,740)	
1.3.012.02.080.04 - CM: SFMTA LABOR-ENGINEERING CONTRACT 1252	123,582		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		2,800,000	2,839,541	32,369	44,133	2,883,674	(83,674)	
13 - SFMTA CONSTRUCTION MANAGEMENT	25,432,035		25,432,035	23,026,033	385,303	228,497	23,254,530	2,177,505	
1.3.013.01.080.04 - CM:SFMTA LABOR-CONSTR. MANAGEM	25,432,035		25,432,035	23,026,033	385,303	228,497	23,254,530	2,177,505	
16 - DEPARTMENT OF PARKING AND TRAFFIC (DPT)	3,659,313		3,659,313	2,667,897	5,820	6,599	2,674,496	984,817	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT UMS	299,600		299,600	320,555	1,819	5,369	325,924	(26,324)	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT CTS	274,900		274,900	143,078	262	0	143,078	131,822	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT YBM	238,400		238,400	220,878	2,162	1,231	222,108	16,292	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT STS	876,876		876,876	284,112	1,576	0	284,112	592,764	
1.3.016.02.040.08 - DPT: FIELD OPS TUNNEL [B84]	0		0	1,464	0	0	1,464	(1,464)	
1.3.016.02.040.08 - DPT: FIELD OPS TUNNEL [B86]	0		0	204,261	0	0	204,261	(204,261)	
1.3.016.06.040.02 - DPT:DPT TRAFFIC SHOP CONTRACT 1300	1,200,000		1,200,000	0	0	0	0	1,200,000	
1.3.016.08.040.08 - DPT:PCOS:2UTL [68A]	400,728		400,728	400,728	0	0	400,728	0	
1.3.016.08.040.08 - DPT:SSD CN:2UTL	0		0	108,020	0	0	108,020	(108,020)	
1.3.016.08.080.04 - DPT:SSD [1326]	252,536		252,536	252,536	0	0	252,536	0	
1.3.016.08.080.04 - DPT:SSD [13BN]	23,302		23,302	23,302	0	0	23,302	0	

[A] Cost Account Description	[A] PRIOR Budget (YOE)		[B] April 2020 Budget (YOE)	ACTUAL COSTS [C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total	[G] VARIANCE (B - F)	COST REPORT NOTES
1.3.016.08.080.04 - DPT:SSD [13CN]	963		963	963	0	0	963	0	
1.3.016.08.080.04 - DPT:SSD [B85]	92,008		92,008	92,008	0	0	92,008	0	
1.3.016.03.040.08 - PCOS:1300/UMS [68CPT544132W.CPT544132W]	0		0	163,405	0	0	163,405	(163,405)	
1.3.016.05.040.08 - PCOS:1300/YBM [68CPT544132Y.CPT544132Y]	0		0	207,537	0	0	207,537	(207,537)	
1.3.016.09.040.08 - PCOS:1300/STS [68CPT544132Z.CPT544132Z]	0		0	245,049	0	0	245,049	(245,049)	
17 - MOTIVE POWER	2,195		2,195	0	0	0	0	2,195	
1.3.017.07.040.02 - PWR:SFMTA-MOTIVE POWER-UTL.REL	2,195		2,195	0	0	0	0	2,195	
18 - SFMTA OPERATIONS	400,000		400,000	123,616	19,115	0	123,616	276,384	
1.3.018.04.040.02 - OPS:SUPPORT TO CONTRACT 1300/CTS	100,000		100,000	36,749	0	0	36,749	63,251	
1.3.018.06.080.07 - OPS:SUPPORT TO CONTRACT 1300 - UMS O/L	50,255		50,255	72,185	19,115	0	72,185	(21,930)	
1.3.018.06.080.07 - OPS:SUPPORT TO CONTRACT 1300/UMS	249,745		249,745	14,681	0	0	14,681	235,063	
19 - OTHER SFMTA	1,000,000		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		1,800	1,720	0	0	1,720	80	
1.3.019.08.040.08 - OTH.MTA 1251 MATERIALS	150,000		150,000	126,149	0	0	126,149	23,851	
1.3.019.08.080.07 - OTH.MTA OPERATION SUPPORT DURI	848,200		848,200	817,966	0	0	817,966	30,234	
21 - ARTS COMMISSION	12,010,886		12,010,886	6,016,140	16,415	37,682	6,053,823	5,957,063	
1.3.021.01.040.06 - ARTS:CTYCO-ARTS COMMISSION CONSTRUCTION (	3,769,932		3,769,932	0	0	0	0	3,769,932	
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [1227]	1,719,387		1,719,387	388,167	0	0	388,167	1,331,220	52
1.3.021.01.080.04 - ARTS:CTYCO-ARTS COMMISSION [PWE335MPFUNA.(	21,000		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		834,264	886,885	7,628	4,788	891,672	(57,408)	
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [PWA335MPFUNA.	10,149		10,149	11,093	0	0	11,093	(944)	
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [PWE335MPFUNA.(	4,439		4,439	4,439	0	0	4,439	0	
1.3.021.06.040.06 - ARTS:CTYCO-ARTS COMMISSION [68CPT5441327.CPT	1,393,660		1,393,660	1,393,660	0	0	1,393,660	0	
1.3.021.06.040.06 - ARTS:CTYCO-ARTS COMMISSION [285MCPFUNA.CPT	3,011,963		3,011,963	3,319,432	8,787	32,895	3,352,326	(340,363)	
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [132J]	86,091		86,091	0	0	0	0	86,091	
1.3.021.97.040.06 - ARTS:ARTS COMMISSION ALLOC CO	1,160,000		1,160,000	0			0	1,160,000	
23 - CITY ATTORNEY'S OFFICE	2,171,781		2,171,781	2,125,634	0	0	2,125,634	46,147	
1.3.023.01.080.06 - ATTY:CN LEGAL-CITY ATTORNEY OF	2,171,781		2,171,781	2,125,634	0	0	2,125,634	46,147	
25 - PUBLIC UTILITIES COMMISSION SEWER	(2,925,296)		(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)		(2,925,296)	0			0	(2,925,296)	
26 - PLANNING	137,062		137,062	26,697	0	0	26,697	110,365	
1.3.026.01.080.06 - CM:CTYCO-PLANNING DEPARTMENT	137,062		137,062	26,697	0	0	26,697	110,365	
28 - PUBLIC UTILITIES COMMISSION WATER	4,242,012		4,242,012	4,171,681	4,929	1,292	4,172,973	69,039	
1.3.028.02.040.02 - CM:CTYCO-PUBLIC UTIL COMM. (PUC)	0		0	4,745	0	0	4,745	(4,745)	
1.3.028.02.040.08 - PUC: FIELD OPERATIONS TUNNEL	398,400		398,400	510,208	0	0	510,208	(111,808)	
1.3.028.02.080.04 - PUC:MTA CSP CN1252 [470465]	105,000		105,000	91,587	0	0	91,587	13,413	
1.3.028.03.040.02 - PUC:CDD CONTRACT 1300/UMS SUPPORT	606,354		606,354	632,056	0	0	632,056	(25,702)	
1.3.028.03.080.04 - PUC:CMB CONTRACT 1300/UMS INSPECTION	230,000		230,000	34,508	0	0	34,508	195,492	
1.3.028.04.040.02 - PUC:CDD CONTRACT 1300/CTS SUPPORT	271,755		271,755	201,959	0	0	201,959	69,796	
1.3.028.04.080.04 - PUC:CMB CONTRACT 1300/CTS INSPECTION	115,000		115,000	55,773	0	0	55,773	59,227	
1.3.028.05.040.02 - PUC:CDD CONTRACT 1300/YBM SUPPORT	450,282		450,282	497,828	3,917	1,292	499,120	(48,838)	
1.3.028.05.080.04 - PUC:CMB CONTRACT 1300/YBM INSPECTION	184,000		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		225,079	249,247	0	0	249,247	(24,168)	
1.3.028.07.040.02 - PUC:PUC CDD WATER CONNECTION CONTRACT 125	248,035		248,035	291,501	0	0	291,501	(43,466)	
1.3.028.07.080.04 - PUC:PUC CMB INSPECTION CONTRACT 1250	74,468		74,468	113,844	0	0	113,844	(39,376)	
1.3.028.08.040.02 - PUC:PUC CDD WATER CONNECTION CONTRACT 125	0		0	39,576	0	0	39,576	(39,576)	
1.3.028.08.040.02 - PUC:PUC CDD WATER CONNECTION CONTRACT 125	340,310		340,310	318,130	0	0	318,130	22,180	
1.3.028.08.080.04 - PUC:PUC CMB INSPECTION CONTRACT 1251	266,252		266,252	289,424	0	0	289,424	(23,172)	
1.3.028.09.040.02 - PUC:CMB CONTRACT 1300/STS SUPPORT	520,077		520,077	485,360	1,012	0	485,360	34,717	

				ACTUAL COSTS					
[A] Cost Account Description	[A] PRIOR Budget (YOE)		[B] April 2020 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total	[G] VARIANCE (B - F)	COST REPORT NOTES
1.3.028.09.080.04 - PUC:CMB CONTRACT 1300/STS INSPECTION	207,000		207,000	257,294	0	0	257,294	(50,294)	
32 - DPW - IDC ENGINEERING (HYDRAULIC)	1,150,459		1,150,459	554,094	1,608	5,684	559,778	590,681	
1.3.032.01.080.04 - CM:DPW:1424J-BUREAU OF ENGINEERING (BOE) [AE	(285,405)		(285,405)	(285,405)	0	0	(285,405)	0.00	
1.3.032.03.080.04 - DPW IDC HYDRAULIC CN1300 UMS SUPPORT	297,938		297,938	127,670	122	2,745	130,415	167,523	
1.3.032.04.080.04 - DPW IDC HYDRAULIC CN1300 CTS SUPPORT	295,639		295,639	22,125	0	0	22,125	273,514	
1.3.032.05.080.04 - DPW IDC HYDRAULIC CN1300 YBM SUPPORT	301,882		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	85,275	0	0	85,275	0	53
1.3.032.06.080.04-1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112C112]	109,658		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	15,791	0	0	15,791	0	55
1.3.032.06.080.04 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112E112]	11,193		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	107,798	0	0	107,798	0	57
1.3.032.06.080.04 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112G112]	21,690		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		9,000	0	0	0	0	9,000	
1.3.032.09.080.04 - DPW IDC HYDRAULIC CN1300 STS SUPPOR	180,000		180,000	253,141	1,487	2,939	256,080	(76,080)	
34 - DPW - IDC CONSTRUCTION (CAPITAL)	6,703,969		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	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	1,207,603	0	0	1,207,603	0	
1.3.034.02.080.04 - DPW:CONSTR:1252 CM [13AC12]	138,397		138,397	138,397	0	0	138,397	0	
1.3.034.06.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [132	506,858		506,858	506,858	0	0	506,858	0	
1.3.034.06.080.04 - DPW:CONSTR:1300 CM [13CP12]	2,710,969		2,710,969	2,352,071	0	0	2,352,071	358,898	
36 - DPW - BSM INFRASTRUCTURE (MAPPING)	465,562		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		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		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		48,433	92,977	0	0	92,977	(44,544)	
37 - DPW - PCS MATERIAL TESTING LABORATORY	83,100		83,100	0	0	0	0	83,100	
1.3.037.01.080.07 - DPW.MTL.LABDPW-MATERIAL TESTIN	83,100		83,100	0	0	0	0	83,100	
39 - DPW - PCS SITE ASSESSMENT & REMEDIATION (SAR)	613,853		613,853	438,455	0	0	438,455	175,398	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [221	92,459		92,459	92,459	0	0	92,459	0	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [225	78,400		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	151,515	0	0	151,515	0	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [231	24,343		24,343	24,343	0	0	24,343	0	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION	58,757		58,757	10,109	0	0	10,109	48,648	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [CE1	31,367		31,367	31,367	0	0	31,367	0	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [CH1	100,000		100,000	8,621	0	0	8,621	91,379	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR)	17,000		17,000	0	0	0	0	17,000	
1.3.039.02.080.04 - DPW: SITE ASSESSMENT & REMEDIATION (SAR) – C1	18,632		18,632	16,880	0	0	16,880	1,753	
1.3.039.02.080.04 - DPW: SITE ASSESSMENT & REMEDIATION (SAR) – C1	41,379		41,379	24,761	0	0	24,761	16,618	
46 - MACY'S WEST - SFPUC SEWER WORK	258,202		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	258,202	0	0	258,202	0	
51 - 821 HOWARD STREET	770,843		770,843	650,591	0	8,508	659,099	111,744	
1.3.051.01.080.03 - ODC.HWRD:ODCs - 821 HOWARD STR	696,753		696,753	613,597	0	6,281	619,878	76,875	
1.3.051.02.080.04 - ODC.HWRD:ODCs - TUNNEL CONTRACT 1252	10,000		10,000	1,056	0	0	1,056	8,944	
1.3.051.06.080.04 - ODC.HWRD:ODCs - STATION CONTRACT 1300	55,000		55,000	25,016	0	2,227	27,243	27,757	
1.3.051.06.080.04 - ODC.HWRD:W/MTA INST WTR SVC @ STS&YBM TRA	9,090		9,090	10,923	0	0	10,923	(1,833)	
55 - 651 BRANNAN	10,348		10,348	10,348	0	0	10,348	0	
1.3.055.01.080.03 - CM:ODCs - 651 BRANNAN STREET	10,348		10,348	10,348	0	0	10,348	0	59
63 - CENTRAL SUBWAY PARTNERSHIP - AECOM-EPC JV CONTRACT 14	65,720,187		65,720,187	61,888,987	(49,035)	2,657,813	64,546,800	1,173,387	
1.3.063.01.080.03 - CM:PM:AECOM.CS149 OM-EPC JV CS149-PM	5,017,804		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	1,969,213	0	0	1,969,213	(0)	

[A] Cost Account Description	[A] PRIOR Budget (YOE)		[B] April 2020 Budget (YOE)	ACTUAL COSTS [C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total	[G] VARIANCE (B - F)	COST REPORT NOTES
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3E]	6,386,250		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	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		4,101,465	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	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	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	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	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	1,095,212	0	0	1,095,212	(0)	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3i]	7,310,184		7,310,184	5,568,022	0	14,952	5,582,974	1,727,210	
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3i][PM]	2,590,785		2,590,785	1,392,006	0	3,738	1,395,744	1,195,041	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3j]	7,000,000		7,000,000	7,865,920	(169,283)	1,967,753	9,833,673	(2,833,673)	
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3j][PM]	2,000,000		2,000,000	1,966,480	(42,321)	491,938	2,458,418	(458,418)	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9B]	11,042		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	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	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	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	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	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		2,974,444	2,974,444	0	64,556	3,039,000	(64,556)	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9j]	3,000,000		3,000,000	1,277,341	162,569	114,876	1,392,217	1,607,783	
1.3.063.01.080.04 - FD:CM:EPC JV CS49-PM [123A]	5,579,945		5,579,945	5,579,945	0	0	5,579,945	0	
1.3.063.97.080.03 - AECOM.CS149 ALLOCAT CONTING	0		0					0	
64 - CN1300 JOB READINESS PROGRAM	1,060,000		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		1,060,000	956,145	0	0	956,145	103,855	
67 - HILL INTERNATIONAL CONTRACT 156	3,031,391		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	920,426	0	0	920,426	0	
1.3.067.01.080.03 - HILL.CS156:HILL INTL. CS-156 [1337]	533,148		533,148	533,148	0	0	533,148	0	
1.3.067.01.080.03 - HILL.CS156:HILL INTL. [133O]	127,261		127,261	127,261	0	0	127,261	0	
1.3.067.01.080.03 - HILL INTERNATIONAL CS156 AWP 2016 [68CPT54413	883,631		883,631	883,631	0	0	883,631	(0)	
1.3.067.01.080.03 - HILL INTERNATIONAL CS156 AWP 2017 [68CPT54413	566,925		566,925	384,352	0	0	384,352	182,573	
69 - BAYLAND SOIL PROCESS CONTRACT 175	500,000		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		500,000	255,144	0	0	255,144	244,856	
71 - TUNNEL/UTILITIES - CONTRACT # CONTRACT 155-1	2,158,846		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		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		2,158,846	2,303,091	0	0	2,303,091	(144,245)	
72 - STATIONS - CONTRACT # CONTRACT 155-2	14,612,416		14,612,416	20,076,116	484,331	40,861	20,116,978	(5,504,562)	
1.3.072.01.080.04 - CM: CS155.2 DESIGN SUPPORT DURING CM [1233]	51,351		51,351	61,130	1,634	0	61,130	(9,779)	64
1.3.072.01.080.04 - CM: CS155.2 DESIGN SUPPORT DURING CM [1333]	14,561,065		14,561,065	20,014,986	482,697	40,861	20,055,848	(5,494,783)	
73 - SYSTEMS/INTEGRATION - CONTRACT 155-3	4,828,269		4,828,269	5,437,028	9,332	253,740	5,690,768	(862,499)	
1.3.073.01.080.04 - CM: CS155.3 DESIGN SUPPORT DURING CM [1236]	90,000		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		4,738,269	5,347,237	9,332	253,740	5,600,977	(862,708)	
81 - UTILITIES RELOCATION #1 (PORTAL & MOS) - CONTRACT 1250	11,968,150		11,968,150	11,968,150	0	0	11,968,150	0	
1.3.081.07.040.01 - UR1.CONTRACT 1250:SITEWORK: DEMOLIT	167,458		167,458	167,458	0	0	167,458	0	
1.3.081.07.040.02 - UR1.CONTRACT 1250:SITEWORK: UTILITI	10,099,341		10,099,341	10,099,341	0	0	10,099,341	0	
1.3.081.07.040.03 - UR1.CONTRACT 1250:SITEWORK:HAZMAT	453,321		453,321	453,321	0	0	453,321	0	
1.3.081.07.040.08 - UR1.CONTRACT 1250:SITEWORK:TEMPORAR	1,248,030		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	20,669,081	0	0	20,669,081	(0)	65
1.3.082.08.040.01 - UR2.CONTRACT 1251:SITEWORK: DEMOLIT	752,240		752,240	752,240	0	0	752,240	0	
1.3.082.08.040.02 - UR2.CONTRACT 1251:SITEWORK:UTILITI	10,202,543		10,202,543	10,202,543	0	0	10,202,543	(0)	

[A] Cost Account Description	[A] PRIOR Budget (YOE)		[B] April 2020 Budget (YOE)	ACTUAL COSTS [C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total	[G] VARIANCE (B - F)	COST REPORT NOTES
1.3.082.08.040.03 - UR2.CONTRACT 1251:SITEWORK:HAZMAT	172,712		172,712	172,712	0	0	172,712	0	
1.3.082.08.040.05 - UR2.CONTRACT 1251:SITEWORK: STRUCTU	2,706,431		2,706,431	2,706,431	0	0	2,706,431	0	
1.3.082.08.040.06 - UR2.CONTRACT 1251:SITEWORK:PEDESTRA	319,317		319,317	319,317	0	0	319,317	0	
1.3.082.08.040.07 - UR2.CONTRACT 1251:SITEWORK:AUTO/BUS	190,362		190,362	190,362	0	0	190,362	0	
1.3.082.08.040.08 - UR2.CONTRACT 1251:SITEWORK:TEMP FAC	6,325,476		6,325,476	6,325,476	0	0	6,325,476	0	
GUIDEWAY TUNNELS TOTAL	**233,511,253**		**233,511,253**	**233,511,253**	**0**	**0**	**233,511,253**	**0**	
83 - GUIDEWAY TUNNELS - CONTRACT # 1252 BASE	233,584,015		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	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	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	21,685,000	0	0	21,685,000	0	
1.3.083.02.040.01 - CONTRACT 1252:SITEWORK:DEMO CLEARING	2,440,000		2,440,000	2,440,000	0	0	2,440,000	0	
1.3.083.02.040.02 - CONTRACT 1252:SITEWORK:UTILITIES & RE	10,895,000		10,895,000	10,895,000	0	0	10,895,000	0	
1.3.083.02.040.03 - CONTRACT 1252:SITEWORK:HAZMAT&MITIGAT	200,000		200,000	200,000	0	0	200,000	0	
1.3.083.02.040.04 - CONTRACT 1252:SITEWORK:ENVIRON. MITIG	300,000		300,000	300,000	0	0	300,000	0	
1.3.083.02.040.06 - CONTRACT 1252:SITEWORK:PED/BIKE ACCES	50,000		50,000	50,000	0	0	50,000	0	
1.3.083.02.040.07 - CONTRACT 1252:SITEWORK:AUTO/BUS ACCES	1,345,000		1,345,000	1,345,000	0	0	1,345,000	0	
1.3.083.02.040.08 - CONTRACT 1252:SITEWORK:TEMP FACILITIE	30,799,500		30,799,500	30,799,500	0	0	30,799,500	0	
83 - GUIDEWAY TUNNELS - CONTRACT # 1252 CMODs	(72,762)		(72,762)	(72,762)	0	0	(72,762)	0	67
1.3.083.83.010.06 - CONTRACT 1252: CONTRACT MOD	112,251		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	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	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	1,035,588	0	0	1,035,588	(0)	
1.3.083.83.040.03 - CONTRACT 1252: CONTRACT MOD	453,475		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)	(4,488,326)	0	0	(4,488,326)	0	
1.3.083.93.010.07 - CONTRACT 1252: TUNNEL ALLOC CONTING	0		0	0	0	0	0	0	68
CONTRACT 1300 - STATIONS, TRACKWORK AND SYSTEMS TOTAL	**861,639,691**		**861,639,691**	**846,560,482**	**7,185,841**	**4,063,947**	**850,624,429**	**11,015,262**	69
84 - UNION SQUARE/MARKET STREET STATION (UMS) - WORK PACKA	294,030,590		294,030,590	287,366,689	1,135,909	701,979	288,068,668	5,961,922	21
1.3.084.03.020.03 - UMS.1253: UNDERGROUD STATION	253,081,452		253,081,452	249,017,114	561,363	396,109	249,413,223	3,668,229	
1.3.084.03.020.07 - UMS.1253: ELEVATORS ESCALATOR	9,465,694		9,465,694	8,842,917	9,536	100,124	8,943,041	522,653	
1.3.084.03.040.01 - UMS.1253: DEMOLITION CLEARING	6,071,588		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	4,360,395	0	0	4,360,395	0	
1.3.084.03.040.03 - UMS.1253: HAZARDOUS MATERIALS	550,000		550,000	550,000	146,098	0	550,000	0	
1.3.084.03.040.04 - UMS.1253: ENVIRONMENTAL MITIGA	244,500		244,500	244,500	0	0	244,500	0	
1.3.084.03.040.06 - UMS.1253: PEDESTRIAN/BIKE	18,969		18,969	16,501	0	0	16,501	2,468	
1.3.084.03.040.07 - UMS.1253: AUTOMOBILE BUS ACCE	1,158,410		1,158,410	1,087,451	13,817	0	1,087,451	70,959	
1.3.084.03.040.08 - UMS.1253: TEMPORARY FACILITIES	11,139,701		11,139,701	10,545,006	357,303	0	10,545,006	594,695	
1.3.084.03.050.02 - UMS.1253: TRAFFIC SIGNALS AND	4,773,076		4,773,076	4,773,076	0	0	4,773,076	0	
1.3.084.03.050.03 - UMS.1253: TRACTION POWER SUPPL	1,815,534		1,815,534	934,534	0	137,000	1,071,534	744,000	
1.3.084.03.050.04 - UMS.1253: TRACTION POWER DISTR	216,957		216,957	67,178	0	0	67,178	149,779	
1.3.084.03.050.05 - UMS.1253: COMMUNICATIONS	1,134,314		1,134,314	856,429	47,792	68,746	925,175	209,139	
84 - UNION SQUARE/MARKET STREET STATION (UMS) CMODs	7,744,337		7,744,337	7,257,208	0	0	7,257,208	487,129	
1.3.084.84.020.03 - CMOD:UMS.1253: UNDERGROUD STATION	1,832,330		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	90,000	0	0	90,000	400,000	
1.3.084.84.040.01 - CMOD:UMS.1253: DEMOLITION CLEARING	944,987		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	3,206,200	0	0	3,206,200	63,838	
1.3.084.84.040.03 - CMOD:UMS.1253: HAZARDOUS MATERIALS	349,730		349,730	349,730	0	0	349,730	0	
1.3.084.84.040.08 - CMOD:UMS.1253: TEMPORARY FACILITIES	809,103		809,103	809,102	0	0	809,102	1	
1.3.084.84.050.05 - CMOD:UMS.1253: COMMUNICATIONS	48,149		48,149	48,149	0	0	48,149	0	
1.3.084.94.020.03 - UMS.1253: AC: ALLOC CONTING	12,255,663		12,255,663	0	0	0	0	12,255,663	41

				ACTUAL COSTS					
[A] Cost Account Description	[A] PRIOR Budget (YOE)		[B] April 2020 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total	[G] VARIANCE (B - F)	COST REPORT NOTES
85 - CHINATOWN STATION (CTS) - WORK PACKAGE 1254	247,567,810		247,567,810	231,756,083	2,397,044	1,549,563	233,305,646	14,262,164	
1.3.085.04.010.07 - CTS.1254: GUIDEWAY: UNDERGROUND TUNNEL	76,417,579		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		133,001,053	120,717,421	1,435,783	1,409,874	122,127,295	10,873,758	
1.3.085.04.020.07 - CTS.1254: ELEVATORS ESCALATOR	6,812,856		6,812,856	5,364,164	536,816	27,340	5,391,504	1,421,352	
1.3.085.04.040.01 - CTS.1254: DEMOLITION CLEARING	400,000		400,000	400,000	0	0	400,000	0	
1.3.085.04.040.02 - CTS.1254: SITE UTILITIES UTIL	6,001,718		6,001,718	5,225,465	0	0	5,225,465	776,253	
1.3.085.04.040.03 - CTS.1254: HAZARDOUS MATERIALS	350,000		350,000	350,000	63,257	0	350,000	0	
1.3.085.04.040.04 - CTS.1254: ENVIRONMENTAL MITIGA	325,665		325,665	325,665	116,063	0	325,665	0	
1.3.085.04.040.06 - CTS.1254: PEDESTRIAN/BIKE	15,000		15,000	0	0	0	0	15,000	
1.3.085.04.040.07 - CTS.1254: AUTOMOBILE BUS ACCE	225,677		225,677	130,008	0	0	130,008	95,669	
1.3.085.04.040.08 - CTS.1254: TEMPORARY FACILITIES	16,571,322		16,571,322	16,561,190	150,000	0	16,561,190	10,132	
1.3.085.04.050.02 - CTS.1254: TRAFFIC SIGNALS AND	1,599,593		1,599,593	1,665,255	72,500	0	1,665,255	(65,662)	
1.3.085.04.050.03 - CTS.1254: TRACTION POWER SUPPL	4,063,927		4,063,927	3,559,027	0	5,700	3,564,727	499,200	
1.3.085.04.050.04 - CTS.1254: TRACTION POWER DISTRIBUTION	124,481		124,481	94,490	0	0	94,490	29,991	
1.3.085.04.050.05 - CTS.1254: COMMUNICATIONS	1,658,938		1,658,938	945,818	22,625	106,649	1,052,467	606,471	
85 - CHINATOWN STATION (CTS) CMODs	52,199,817		52,199,817	42,257,535	0	0	42,257,535	9,942,282	71
1.3.085.85.020.03 - CMOD:CTS.1254: UNDERGROUND STATION	1,201,478		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		9,360,183	0	0	0	0	9,360,183	
1.3.085.85.040.01 - CMOD:CTS.1254: POWER POLE	155,956		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		4,022,598	3,996,251	0	0	3,996,251	26,347	
1.3.085.85.040.03 - CMOD:CTS.1254: HAZARDOUS MATERIALS	3,895,399		3,895,399	3,895,396	0	0	3,895,396	3	
1.3.085.85.040.08 - CMOD:CTS.1254: TEMPORARY FACILITIES	33,564,202		33,564,202	33,091,198	0	0	33,091,198	473,004	
1.3.085.95.020.03 - CTS.1254: AC: ALLOC CONTING	(42,199,816)		(42,199,816)	0	0	0	0	(42,199,816)	72
86 - YERBA BUENA MOSCONE STATION (YBM) - WORK PACKAGE 125	158,089,000		158,089,000	152,668,216	1,044,817	945,155	153,613,371	4,475,629	
1.3.086.05.020.03 - YBM.1255: UNDERGROUND STATION	118,405,840		118,405,840	115,084,518	809,824	723,156	115,807,674	2,598,166	
1.3.086.05.020.07 - YBM.1255: ELEVATORS ESCALATOR	5,333,287		5,333,287	4,649,745	60,637	132,299	4,782,044	551,243	
1.3.086.05.040.01 - YBM.1255: DEMOLITION CLEARING	657,000		657,000	657,000	0	0	657,000	0	
1.3.086.05.040.02 - YBM.1255: SITE UTILITIES UTIL	7,163,278		7,163,278	7,162,276	0	1,000	7,163,276	2	
1.3.086.05.040.03 - YBM.1255: HAZARDOUS MATERIALS	2,629,439		2,629,439	2,585,249	53,642	0	2,585,249	44,190	73
1.3.086.05.040.04 - YBM.1255: ENVIRONMENTAL MITIGA	100,000		100,000	100,000	37,770	0	100,000	0	
1.3.086.05.040.06 - YBM.1255: PEDESTRIAN/BIKE	16,665		16,665	1	0	0	1	16,664	
1.3.086.05.040.07 - YBM.1255: AUTOMOBILE BUS ACCE	1,542,725		1,542,725	1,539,725	0	0	1,539,725	3,000	
1.3.086.05.040.08 - YBM.1255: TEMPORARY FACILITIES	15,564,753		15,564,753	15,224,566	33,919	0	15,224,566	340,187	
1.3.086.05.050.02 - YBM.1255: TRAFFIC SIGNALS AND	1,726,492		1,726,492	1,723,992	0	0	1,723,992	2,500	
1.3.086.05.050.03 - YBM.1255: TRACTION POWER SUPPL	3,708,425		3,708,425	2,736,474	0	79,875	2,816,349	892,076	
1.3.086.05.050.05 - YBM.1255: COMMUNICATIONS	1,241,096		1,241,096	1,204,670	49,025	8,825	1,213,495	27,601	
86 - YERBA BUENA MOSCONE STATION (YBM) CMODs	3,241,425		3,241,425	2,817,330	2,631	0	2,817,330	424,095	
1.3.086.86.020.03 - CMOD:YBM.1255: UNDERGROUND STATION	(1,182,064)		(1,182,064)	(1,182,064)	0	0	(1,182,064)	0	
1.3.086.86.020.07 - CMOD:YBM.1255: ELEVATORS ESCALATOR	210,055		210,055	210,055	0	0	210,055	0	
1.3.086.86.040.01 - CMOD:YBM.1255: DEMOLITION CLEARING	266,386		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		3,570,282	3,158,755	2,631	0	3,158,755	411,527	
1.3.086.86.040.03 - CMOD:YBM.1255: HAZARDOUS MATERIALS	150,828		150,828	150,828	0	0	150,828	0	
1.3.086.86.040.04 - CMOD:YBM.1255: ENVIRONMENTAL MITIGA	102,734		102,734	102,734	0	0	102,734	0	
1.3.086.86.040.06 - CMOD:YBM.1255: PEDESTRIAN/BIKE	35,489		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	87,715	0	0	87,715	0	
1.3.086.96.020.03 - YBM.1255: AC: ALLOC CONTING	1,758,576		1,758,576	0	0	0	0	1,758,576	74
87 - SURFACE TRACKWORK AND SYSTEMS -WORK PACKAGE 1256	139,989,000		139,989,000	119,388,200	2,605,440	867,250	120,255,450	19,733,550	
1.3.087.09.010.02 - STS.1256: GUIDEWAY: AT-GRADE SEMI-EXCLUSIVE	2,860,000		2,860,000	2,855,000	0	0	2,855,000	5,000	

				ACTUAL COSTS					
[A] Cost Account Description	[A] PRIOR Budget (YOE)		[B] April 2020 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total	[G] VARIANCE (B - F)	COST REPORT NOTES
1.3.087.09.010.06 - STS.1256: GUIDEWAY: UNDERGROUND CUT & CVR	9,257,731		9,257,731	8,558,625	0	0	8,558,625	699,106	
1.3.087.09.010.07 - STS.1256: GUIDEWAY: UNDERGROUN	16,723,552		16,723,552	15,834,605	118,733	0	15,834,605	888,947	
1.3.087.09.010.09 - STS.1256: TRACK DIRECT FIXATION	6,761,089		6,761,089	6,741,658	0	0	6,741,658	19,432	
1.3.087.09.010.12 - STS.1256: TRACK: SPECIAL	4,449,637		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		7,602,857	6,208,049	154,711	29,541	6,237,590	1,365,267	
1.3.087.09.040.02 - STS.1256: SITE UTILITIES, UTILITY RELOCA	17,464,046		17,464,046	14,665,379	0	0	14,665,379	2,798,667	
1.3.087.09.040.03 - STS.1256: HAZARDOUS MATERIALS	200,000		200,000	199,856	0	0	199,856	144	73
1.3.087.09.040.04 - STS.1256: ENVIRONMENTAL MITIGATION	50,000		50,000	49,000	0	0	49,000	1,000	73
1.3.087.09.040.07 - STS.1256: AUTOMOBILE BUS ACCE	2,116,925		2,116,925	2,116,924	0	0	2,116,924	1	
1.3.087.09.040.08 - STS.1256: TEMPORARY FACILITIES	13,896,832		13,896,832	13,713,506	0	0	13,713,506	183,325	
1.3.087.09.050.01 - STS.1256: TRAIN CONTROL AND SIGNALS	27,543,451		27,543,451	26,167,859	2,018,461	(182,184)	25,985,675	1,557,776	
1.3.087.09.050.02 - STS.1256: TRAFFIC SIGNALS AND	4,463,368		4,463,368	3,761,868	39,250	0	3,761,868	701,500	
1.3.087.09.050.03 - STS.1256: TRACTION POWER SUPPL	9,889,014		9,889,014	7,577,214	13,027	242,227	7,819,441	2,069,573	
1.3.087.09.050.04 - STS.1256: TRACTION POWER DISTRIBUTION	6,099,675		6,099,675	2,707,926	173,354	581,991	3,289,917	2,809,758	
1.3.087.09.050.05 - STS.1256: COMMUNICATIONS	7,996,237		7,996,237	2,920,713	87,904	195,675	3,116,388	4,879,849	
1.3.087.09.050.07 - STS.1256: CENTRAL CONTROL	2,614,586		2,614,586	860,381	0	0	860,381	1,754,205	
87 - SURFACE TRACKWORK AND SYSTEMS (STS) CMODs	(14,581,253)		(14,581,253)	3,049,221	0	0	3,049,221	(17,630,474)	
1.3.087.89.040.02 - CMOD:STS.1256: SITE UTILITIES, UTILITY RELOCA	1,482,322		1,482,322	1,345,796	0	0	1,345,796	136,526	
1.3.087.89.040.03 - CMOD:STS.1256: HAZARDOUS MATERIALS	18,221		18,221	18,219	0	0	18,219	2	
1.3.087.89.040.08 - CMOD:STS.1256: TEMPORARY FACILITIES	1,053,547		1,053,547	1,052,902	0	0	1,052,902	645	
1.3.087.89.050.01 - CMOD:STS.1256: TRAIN CONTROL	(17,776,769)		(17,776,769)	13,304	0	0	13,304	(17,790,073)	
1.3.087.89.050.02 - CMOD:STS.1256: TRAFFIC SIGNALS AND	242,427		242,427	220,000	0	0	220,000	22,427	
1.3.087.99.020.01 - STS.1256: AC: ALLOC CONTING	1,544,543		1,544,543	0	0	0	0	1,544,543	75
88 - STATIONS CONTRACT 1300	2,435,063	0	2,435,063	1,017,682	25,044	18,393	1,036,075	1,398,988	
1.3.088.06.080.04 - CN1300 CONSTRUCTION TRAILER [68CPT5441316.CP	80,000		80,000	0	0	0	0	80,000	
1.3.088.06.080.04 - DT-CN1300 COMMUNICATIONS INSTALL [68CPT5441	1,430,594		1,430,594	354,818	0	0	354,818	1,075,776	
1.3.088.06.080.04 - MTA Communications - Business Liaison to support CN130	420,000		420,000	256,819	25,044	18,393	275,212	144,788	
1.3.088.06.080.04 - IT-CN1300 Installation [68CPT5441319.CPT5441319]	448,371		448,371	365,410	0	0	365,410	82,961	
1.3.088.06.080.04 - CN1300 Installation Mainteanance [68CPT5441320.CPT544	25,000		25,000	0	0	0	0	25,000	
1.3.088.06.080.04 - DT Support - Stations [68CPT544135.CPT5441325]	31,098		31,098	40,635	0	0	40,635	(9,537)	
141 - CONSTRUCTION ADMINISTRATION	0		0	0	0	0	0	0	
1.3.141.97.080.04 - CONSTR.ADMIN:ALLOC CONTING	0		0	0			0	0	75a
142 - LEGAL/PERMITS	2,014,204		2,014,204	0	0	0	0	2,014,204	
1.3.142.01.080.06 - LGL.PRMTSF:LEGAL; PERMITS	2,014,204		2,014,204	0	0	0	0	2,014,204	
144 - STARTUP	8,300,329		8,300,329	0	0	0	0	8,300,329	
1.3.144.01.080.08 - STRT: STARTUP (SFMTA Transit)	6,941,907		6,941,907	0	0	0	0	6,941,907	
1.3.144.97.080.08 - STRTA: AC STARTUP ALLOC CONTIN	1,358,422		1,358,422	0			0	1,358,422	
151 - TEMPORARY LICENSE AGREEMENT	17,000		17,000	0	0	0	0	17,000	
1.3.151.01.080.06 - TEMP.LICPORARY LICENSE AGREEME	17,000		17,000	0	0	0	0	17,000	
170 - COMMUNICATIONS CONNECTIONS	10,599,579		10,599,579	1,123,913	545,170	0	1,123,913	9,475,666	
1.3.170.01.050.04 - COMM.CONNN:COMMUNICATION CONN	5,757,629		5,757,629	0	0	0	0	5,757,629	
1.3.170.01.050.05 - CSP Radio Design	641,950		641,950	641,950	385,170	0	641,950	0	
1.3.170.01.050.05 - CSP Radio Cable	377,788		377,788	321,963	0	0	321,963	55,825	
1.3.170.01.050.05 - CSP Radio Procurement	3,822,212		3,822,212	160,000	160,000	0	160,000	3,662,212	
181 - AON RISK INSURANCE CS 163	25,119,436		25,119,436	25,119,206	0	0	25,119,206	230	
1.3.181.01.040.08 - AON.CS163 AON RISK INS.	25,094,436		25,094,436	25,094,206	0	0	25,094,206	230	
1.3.181.01.080.03 - AON.CS171 AON RISK INS. STUDY	25,000		25,000	25,000	0	0	25,000	0	
191 - FARE COLLECTION CONTRACTOR	5,400,000		5,400,000	152,852	0	0	152,852	5,247,148	
1.3.191.01.050.06 - FARE.CONSUL:FARE COLLECTION	5,400,000		5,400,000	152,852	0	0	152,852	5,247,148	

				ACTUAL COSTS					
[A] Cost Account Description	[A] PRIOR Budget (YOE)		[B] April 2020 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total	[G] VARIANCE (B - F)	COST REPORT NOTES
192 - THALES T&S CENTRAL CONTROL	18,524,681		18,524,681	7,975,784	0	0	7,975,784	10,548,897	
1.3.192.01.050.01 - THALES T&S ATCS	487,972		487,972	106,179	0	0	106,179	381,793	
1.3.192.01.050.01 - CN1266-2 Advanced Train Control System (ATCS) - Impler	14,611,285		14,611,285	4,957,994	0	0	4,957,994	9,653,291	
1.3.192.01.050.01 - CN1266-1 Advanced Train Control System (ATCS) - Equipr	3,425,424		3,425,424	2,911,610	0	0	2,911,610	513,814	
202 - JOC2-022.0	63,938		63,938	0	0	0	0	63,938	
1.3.202.01.040.02 - JOC2-022:15&22 POTHOLING UTIL1 LGHT FNDS	63,938		63,938	0	0	0	0	63,938	
203 - JOC2-029.0	53,317		53,317	0	0	0	0	53,317	
1.3.203.07.040.02 - JOC0292-029: RELOCATE VAULTS-S	53,317		53,317	0	0	0	0	53,317	
302 - PG&E	1,988,173		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)		(2,350,000)	0	0	0	0	(2,350,000)	
1.3.302.03.050.03 - PGE POWER FEED UMS	2,959,826		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)		(2,350,000)	0	0	0	0	(2,350,000)	
1.3.302.04.050.03 - PGE POWER FEED CTS	2,959,826		2,959,826	0	0	0	0	2,959,826	
1.3.302.05.050.03 - PGE PERMANENT POWER YBM	(2,368,540)		(2,368,540)	0	0	0	0	(2,368,540)	
1.3.302.05.050.03 - PGE POWER FEED YBM	3,125,222		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		11,839	0	0	0	0	11,839	
331 - BAY AREA RAPID TRANSIT (BART)	951,356		951,356	471,063	0	0	471,063	480,293	
1.3.331.01.080.04 - CM:SFMTA LABOR-ENG SVCS-IRP/BART/SF	50,000		50,000	33,152	0	0	33,152	16,848	

[A] Cost Account Description	[A] PRIOR Budget (YOE)		[B] April 2020 Budget (YOE)	ACTUAL COSTS [C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total	[G] VARIANCE (B - F)	COST REPORT NOTES
1.3.331.01.080.06 - CM: BAY AREA RAPID TRANSIT (BART) [122A]	901,356		901,356	437,911	0	0	437,911	463,445	
333 - AMERICAN PUBLIC TRANSP. ASSOCIATION (APTA) CS-APTA	146,500		146,500	62,112	0	0	62,112	84,388	
1.3.333.01.080.03 - APTA:APTA - IRP [2G]	46,500		46,500	31,054	0	0	31,054	15,446	
1.3.333.01.080.03 - APTA:APTA - IRP [2C]	100,000		100,000	31,058	0	0	31,058	68,942	
334 - BART FARE COLLECTION SYSTEM	700,000		700,000	475,136	0	0	475,136	224,864	
1.3.334.01.050.06 - BART:BART FARE COLLECTION EQP	700,000		700,000	475,136	0	0	475,136	224,864	
401 - ECONOMIC AND WORKFORCE DEVELOPMENT (EWD)	17,600		17,600	17,600	0	0	17,600	0	
1.3.401.01.080.04 - EWD: MAYORS OFFICE ECON DEV	17,600		17,600	17,600	0	0	17,600	0	
402 - DEPARTMENT OF TECHNOLOGY	242,371		242,371	250,534	0	0	250,534	(8,163)	
1.3.402.07.050.04 - DT:1UTL:COMM. CONNECTIONS	166,756		166,756	179,179	0	0	179,179	(12,423)	
1.3.402.08.050.04 - DT:2UTL:COMM.CONNECTIONS	75,615		75,615	71,354	0	0	71,354	4,261	
404 - DEPARTMENT OF BUILDING INSPECTION (DBI)	1,204,081		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	1,204,081	0	0	1,204,081	0	
491 - FORM B - REIMBURSEMENT	(12,227,954)		(12,227,954)	0	0	0	0	(12,227,954)	
1.3.491.02.040.02 - FORMB - CONTRACT 1252 UTILITY REIMBUR	(254,050)		(254,050)	0	0	0	0	(254,050)	76
1.3.491.03.040.02 - FORMB - UMS:CONTRACT 1300 UTILITY REIMBURSE	(528,370)		(528,370)	0	0	0	0	(528,370)	77
1.3.491.04.040.02 - FORMB - CTS:CONTRACT 1300 UTILITY REIMBURSEN	(451,703)		(451,703)	0	0	0	0	(451,703)	78
1.3.491.05.040.02 - FORMB - YBM:CONTRACT 1300 UTILITY REIMBURSE	(100,000)		(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	0	80
1.3.491.07.040.02 - FORMB - CONTRACT 1250 UTILITY REIMBUR	(2,275,419)		(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)		(7,618,412)	0	0	0	0	(7,618,412)	82
1.3.491.09.040.02 - FORMB - STS:CONTRACT 1300 UTILITY REIMBURSEN	(1,000,000)		(1,000,000)	0	0	0	0	(1,000,000)	83
TOTAL CONSTRUCTION PHASE	**1,360,858,865**		**1,360,858,865**	**1,315,267,982**	**9,001,968**	**7,611,721**	**1,322,879,703**	**37,979,161**	
1.4.091.01.070.01 - LRVS: LIGHT RAIL VEHICLES RFP [34B]	1,324,123		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	828,009	0	0	828,009	0	
1.4.091.01.070.01 - LRVS: LRV PROCUREMENT ODC	25,000		25,000	0	0	0	0	25,000	
1.4.091.01.070.01 - LRVS: LRV PROCUREMENT	14,622,868		14,622,868	9,781,465	0	0	9,781,465	4,841,403	
1.4.091.97.070.01 - LRVA:AC: VEHICLES ALLOC CONTI	0		0	0	0	0	0	0	26
TOTAL VEHICLES	**16,800,000**		**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		400,000	322,939	0	0	322,939	77,061	
1.5.015.01.060.01 - RE: REAL EST SITE ACQ	15,955,138		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	766,272	0	0	766,272	0	
1.5.015.01.060.01 - RE: REC & PARK MOU	6,987,624		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	2,686,000	0	0	2,686,000	0	
1.5.015.01.060.01 - RE:-LICENSES FEES	400,000		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	2,764,872	0	0	2,764,872	0	
1.5.101.01.060.02 - RES.RELO: RELOCATION COST	1,275,200		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		905,311	1,119,729	0	0	1,119,729	(214,418)	
TOTAL ROW, LAND, EXISTING IMPROVEMENTS	**32,140,418**		**32,140,418**	**30,543,065**	**0**	**0**	**30,543,065**	**1,597,353**	
90 - CONTINGENCY	(17,239,944)		(17,239,944)	0	0	0	0	(17,239,944)	
1.7.500.91.090.00 - UNALLOCATED CONTINGENCY	6,882,669		6,882,669					6,882,669	84
TOTAL ALLOCATED CONTINGENCY	(24,122,613)		(24,122,613)					(24,122,613)	
TOTAL PROJECT COST	**1,578,300,000**		**1,578,300,000**	**1,518,234,824**	**9,003,486**	**7,611,721**	**1,525,846,545**	**52,453,455**	

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

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

24	In December 2017 Report, there is a change in Column "f" and Column "h" to reflect reporting to include CN1250 and CN1251. Prior to this, Column "f" and Column "h" reporting excluded CN1250 and CN1251.
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.
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.
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.

37	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 progrrm unallocated contingency. In August 2019, increased SCC category Other Construction in 50.05 CSP Radio by $4,841,950 by reducing program unallocated contingency.
38	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 Managment. 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, reducted program contingency by $4,841,950 to fund additional costs for SCC category Other Construction in 50.05 to fund CSP Radio related services.
7.7 Budget Expenditures by SCC Codes	
39	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.
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	
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]
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.
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.
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.
74	Revised Contract 1300/YBM allocated contingency SCC code from 040.08 to 020.03.
75	Revised Contract 1300/STS allocated contingency SCC code from 040.08 to 020.01.
75a	In August 2019 Report, reallocated and aligned SCC 80 Professional Services category budget by $2,956,812 due to additional costs; cost was transferred from construction management allocated contingency.
76	Revised Form B Reimbursements SCC code from 900.01 to 040.02
77	Revised Form B Reimbursements SCC code from 900.01 to 040.02
78	Revised Form B Reimbursements SCC code from 900.01 to 040.02
79	Revised Form B Reimbursements SCC code from 900.01 to 040.02
80	Revised Form B Reimbursements SCC code from 900.01 to 040.02
81	Revised Form B Reimbursements SCC code from 900.01 to 040.02
82	Revised Form B Reimbursements SCC code from 900.01 to 040.02
83	Revised Form B Reimbursements SCC code from 900.01 to 040.02
84	Increase Program contingency $1,023,508. Refer to Report Notes #11 and #12. In April 2015 report, program contingency decreased by $500,000. Refer to Report Notes #20. In August 2015 report, release $15M CN1252 Tunnel assigned contingency to program unallocated contingency. In March 2016 report, program unallocated contingency increased by $230,468. In August 2016, released $20M to CN1300 Construction assigned contingency from program unallocated contingency. In February 2017, used $1,060,000 for CN1300 Job Readiness Program from unallocated contingency, refer to Note 30. Also, released $5,265,478 assigned real estate contingency to program unallocated contingency, refer to Note 27. In July 2018 report, used $2,263,498 to fund SCC 80 Professional Services category regarding matters related to stations from program unallocated contingency. In December 2018, moved $11,987,900 from CN1252 and LRV contingency to program unallocated contingency. In March 2019, added $18,036,709 from taking out the ATCS from Tutor contract. The budget transfer was used to create a stand alone line for ATCS work in 50.01 under Thales. In August 2019, used $4,841,950 from program unallocated contingency to create CSP Radio Design, CSP Radio Cable, and CSP Radio Procurement in SCC 50 Systems category. Waiting for a contract modification to readjust the borrowed contingency from unprogramed contingency.

central T subway

Connecting people. Connecting communities.

Appendix B

DETAIL SCHEDULE REPORTS

SCHEDULE HIGHLIGHTS

The Master Project Schedule (MPS) below includes progress through April 2020. The April 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 April 2020 Schedule Update.

The MPS shows a forecast Revenue Service Date of Summer 2021 on 16 September 2021 based on a revised assessment of the overall schedule and the current project conditions. The project continues to evaluate this date with potential impact from COVID 19. The Contractor is notifying the City that potential delays may have occurred due to the social distancing requirement with 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 SFTMA 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 April 2020 schedule is used within the April Report. The SFMTA Contract 1300 April 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.

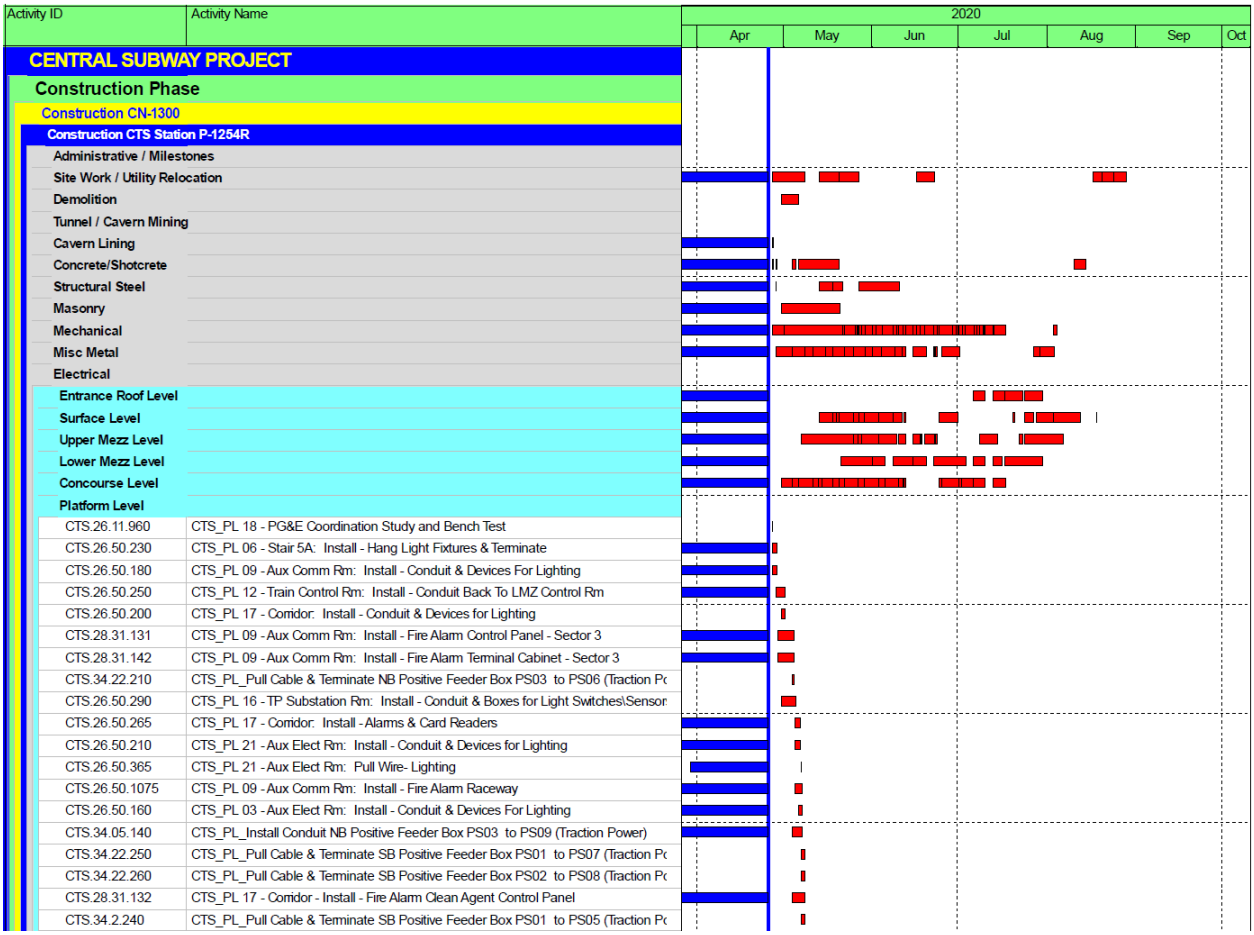
Work Package P-1254R (CTS) has performed the following work this month:

- Continued installing Stair 5, 5A, 6, and 7
- Continued installing electrical panels and pulling service wires at Equipment Room at Underplatform level
- Completed installing overhead conduit at Main Electrical at Headhouse Platform level
- Continued installing overhead conduit at Traction Power rooms at Headhouse Platform level
- Continued pulling service wires at Main Electrical and Traction Power rooms at Headhouse Platform level
- Began constructing structural steel for Elevators 1 & 2 at Platform and Concourse levels
- Continued installing storm, sewer, water piping, refrigerant, and fire sprinkler piping at all levels
- Continued installing structural steel for GFRC panels at ticketing hall at Concourse level
- Continued installing structural steel for Station Agent Booth at Concourse level
- Continued pulling service wires at Main Communication room at Lower Mezzanine level
- Began installing Elevators 1, 2, 3, and 4
- Began installing Escalator 5 & 6 at Upper Mezzanine level
- Continued construction of Surface level slabs and PCC 50 Chinatown Plaza walls and stairs
- Began installing structural steel and fire proofing for Plaza level
- Continued street work (minor), ongoing monitoring and surveying

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

- Complete installing Stair 5, 5A, 6, and 7
- Complete installing electrical panels and pulling service wires at Equipment Room at Underplatform level
- Complete installing overhead conduit at Traction Power rooms at Headhouse Platform level
- Continue pulling service wires at Main Electrical and Traction Power rooms at Headhouse Platform level
- Continue constructing structural steel for Elevators 1 & 2 at Platform and Concourse levels
- Complete installing storm, sewer, and water piping at levels 1 to 6
- Complete installing fire sprinkler piping at levels 1 to 6
- Complete installing structural steel for GFRC panels at ticketing hall at Concourse level
- Complete GFRC panel installation at ticketing hall at Concourse level

- Complete installing structural steel for Station Agent Booth at Concourse level
- Complete pulling service wires at Main Communication room at Lower Mezzanine level
- Complete CMU wall construction at all levels of Headhouse
- Continue installation of Elevators 1 & 2, 3 & 4
- Complete installation of Escalators 5 & 6
- Continued construction of Surface level slabs and PCC 50 Chinatown Plaza walls and stairs
- Continue installing structural steel and fire proofing for Plaza level
- Begin constructing slabs for Roof level
- Begin construction of AWSS pipeline across Stockton Street at Washington Street
- Continued street work (minor), ongoing monitoring and surveying



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

- Platform Station:

- Stairs, escalators and elevators – including glass enclosure.
- Overhead plumbing, fire protection piping, and overhead fixture and electrical.
- Unistrut grid for ceiling panels and LED Artwork on concourse level.
- Ceiling panels.
- Light fixtures and controls.
- Curved metal panel on platform strut level.
- Terrazzo on concourse and platform level.
- Brackets for artwork on platform strut level.
- Fire Alarm /PA / Security System.
- Emergency lighting at tunnel tie-in on platform level.
- HVAC startup and testing.
- Power startup and starting.

- North Concourse:
  - Stair, escalator and elevators.
  - Overhead plumbing, fire protection piping, and overhead fixture and electrical.
  - Cement plaster finish in various rooms.
  - Glass wall panels.
  - LED artwork.
  -
  - South Concourse:
  - Stair and escalator.
  - Overhead electrical, light fixtures and controls.
  - Ceiling panels.
  - Glass wall panels including ticket vending machine.
  - Terrazzo flooring.
  - Rolling and Grille Doors.

- Street/Surface:
  - Precast architectural concrete elements at USG terrace level.
  - Glass roof walk at USG terrace level.
  - Landscaping and drainage at USG terrace level.
  - USG Roof level exhaust vent.
  - Tap room and emergency command post at surface level.
  - Pavement renovation at northside of Market street.
  - North sidewalk plaza at USG terrace level.

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

Platform Station:

- Stairs, escalators and elevators – including glass enclosure and glass wall panels.
- Overhead plumbing, fire protection piping, and overhead fixture and electrical.
- Unistrut grid for ceiling panels and LED Artwork on concourse level.
- Ceiling panels.
- Light fixtures and controls.
- Terrazzo on concourse and platform level.
- Artwork on platform strut level.
- Fire Alarm /PA / Security System.
- Emergency lighting at tunnel tie-in on platform level.
- HVAC and EV startup and testing.
- Power startup and testing.
- Fire Alarm System startup and testing.

North Concourse

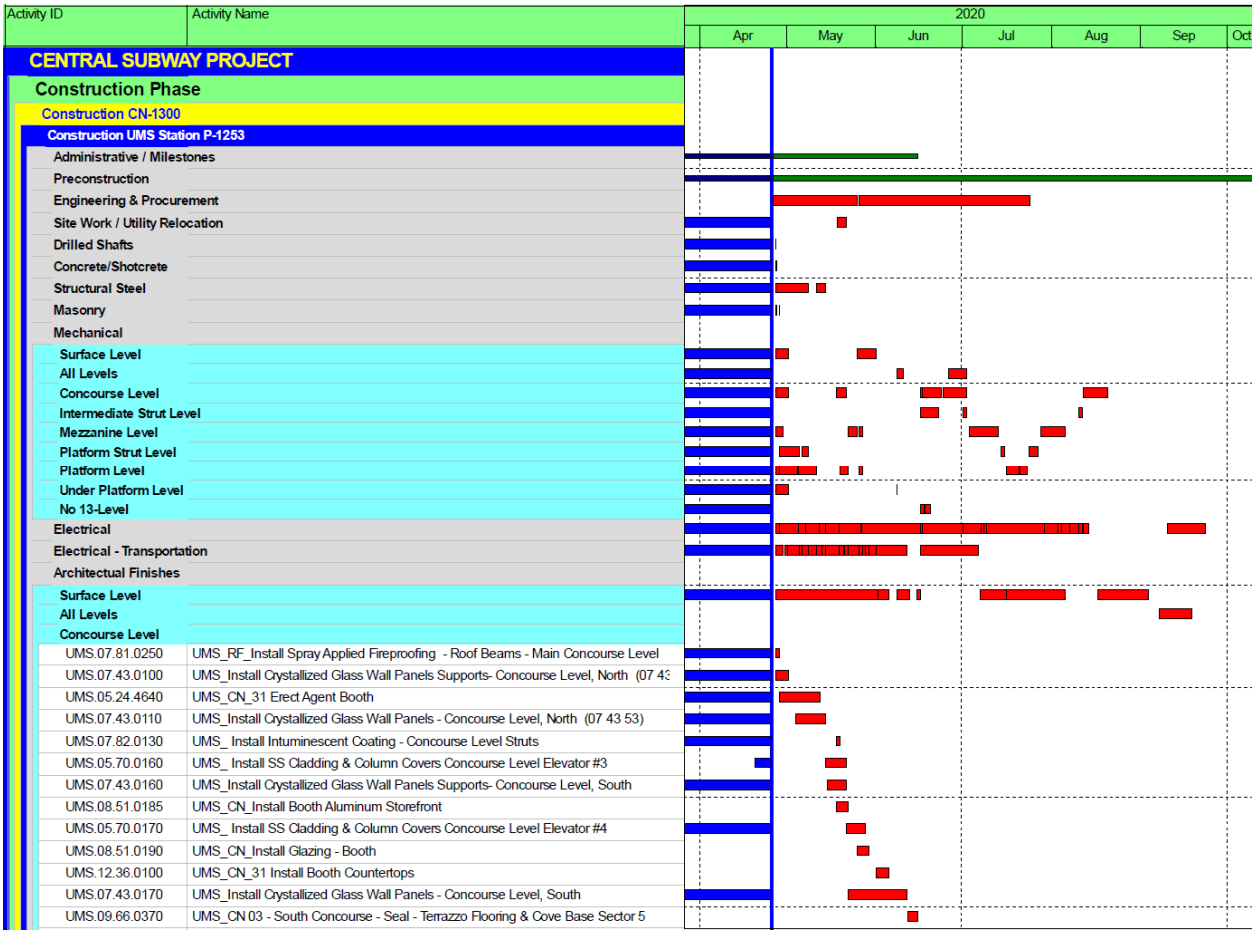
- Stairs, escalator, elevators.
- Overhead plumbing, fire protection piping, and overhead fixture and electrical.
- Cement plaster finish in various rooms.
- LED artwork.

South Concourse:

- Stair and escalator.
- Overhead electrical, light fixtures and controls.
- Ceiling panels.
- Rolling and Grille Doors.

Street/Surface:

- Precast architectural concrete elements at USG terrace level.
- Glass roof walk at USG terrace level.
- Landscaping and drainage at USG terrace level.
- USG Roof level exhaust vent.
- Tap room and emergency command post at surface level.



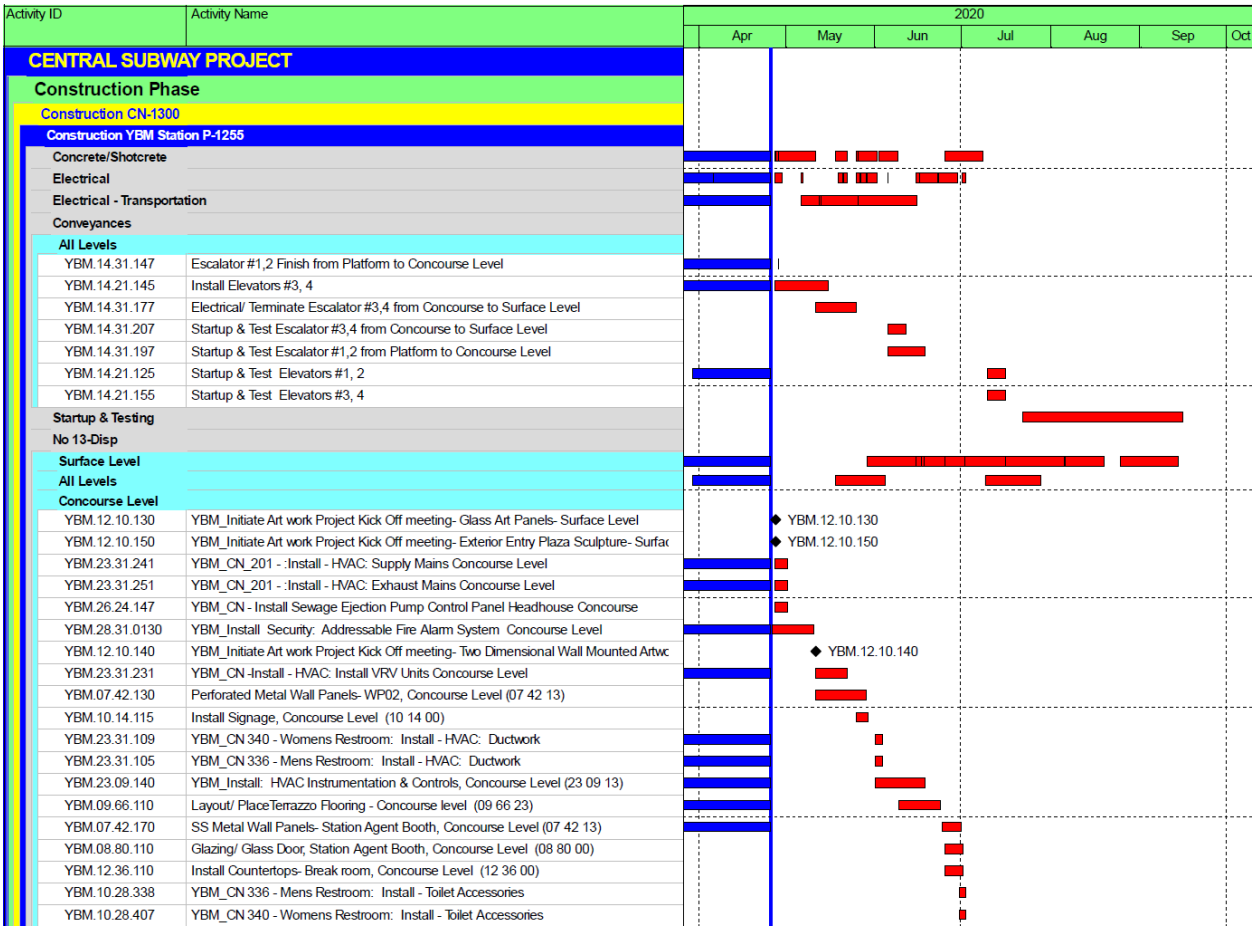
Work Package P-1255 (YBM) has performed the following work this month:

- Continued installing Escalators 3 and 4
- Continued installing Elevators 3 and 4
- Continued installing EV controls at Station Mezzanine
- Continued installing ceiling at Headhouse Concourse.
- Completed installing toilets and lockers in Headhouse Concourse
- Completed installing lighting in Station Concourse
- Poured Clementina Street Sidewalk

Work Package P-1255 (YBM) will perform the following work next month:

- Continue installing Escalators 1 through 4
- Continue installing Elevators 3 and 4
- Continue installing Stairs 2 and 3
- Continue installing EV Controls at Station Mezzanine
- Continue installing Station Agent Booth at Headhouse Concourse

- Continue installing metal wall and Terrazzo floor in Station Concourse
- Continue installing telephone system at Station Platform level
- Systems startup and Acceptance Testing
- Complete F2A Light Fixture installations at Surface Walls
- Continue installing S.S. Metal wall panels at Concourse Sector 3
- Install MCC-JF in the Main Elect Room -
- Fireproof Plaza Canopy



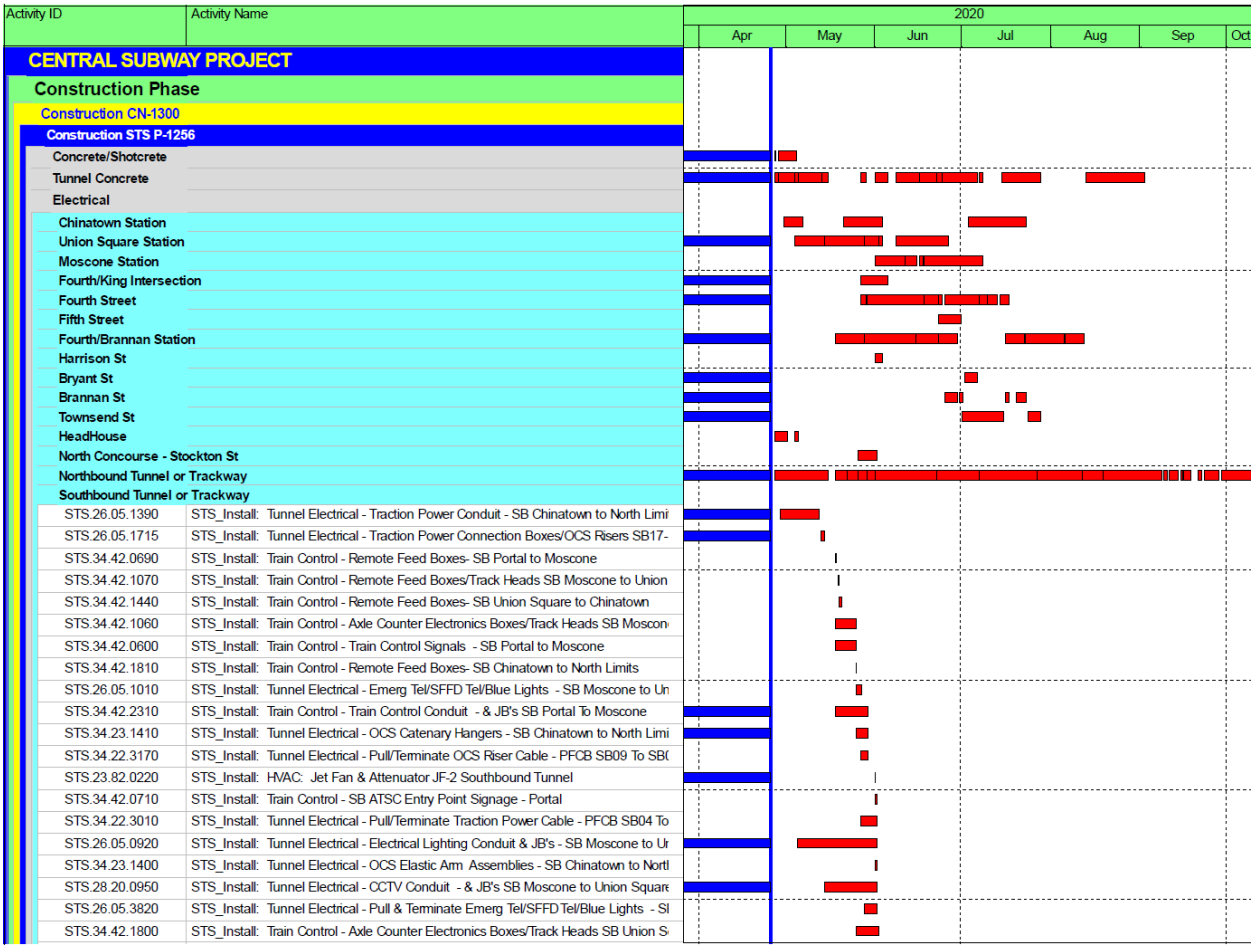
Work Package P-1256 (STS) has performed the following work this month:

- Continue 4th/Brannan platform construction
- Continue traction power conduit and other electrical conduit installation inside tunnel
- Continue tunnel lighting installation
- Continue OCS hanger installation inside tunnel
- Continue mini power center installation
- Continue walkway construction at cross-over cavern

- Start FDC work near 4th Street portal

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

- Continue 4th/Brannan platform construction
- Continue traction power conduit and other electrical conduit installation inside tunnel
- Continue tunnel lighting installation
- Continue OCS hanger installation inside tunnel
- Continue mini power center installation
- Continue walkway construction at cross-over cavern
- Continue FDC work near 4th Street portal



SCHEDULE REVISIONS

The SFMTA Contract 1300 April 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

CENTRAL SUBWAY PROJECT
Schedule Contingency Drawdown

April 2020

Minimum Schedule Contingency
Series3
Series4

Schedule Float (Months)

30
25
20
15
10
5
0
-5
-10
-15
-20

Jan-09 Apr-09 Jul-09 Oct-09 Jan-10 Apr-10 Jul-10 Oct-10 Jan-11 Apr-11 Jul-11 Oct-11 Jan-12 Apr-12 Jul-12 Oct-12 Jan-13 Apr-13 Jul-13 Oct-13 Jan-14 Apr-14 Jul-14 Oct-14 Jan-15 Apr-15 Jul-15 Oct-15 Jan-16 Apr-16 Jul-16 Oct-16 Jan-17 Apr-17 Jul-17 Oct-17 Jan-18 Apr-18 Jul-18 Oct-18 Jan-19 Apr-19 Jul-19 Oct-19 Jan-20 Apr-20 Jul-20

HP 1a - Tunnel Design Complete
HP 1b - UMS Design
HP 1c - FFGA by FTA
HP 2 - CTS/UMS Construction
HP 3 - Tunnel Demob. Complete
HP 4 - Stations to Platform Level
HP 5 - Tunnels/Systems

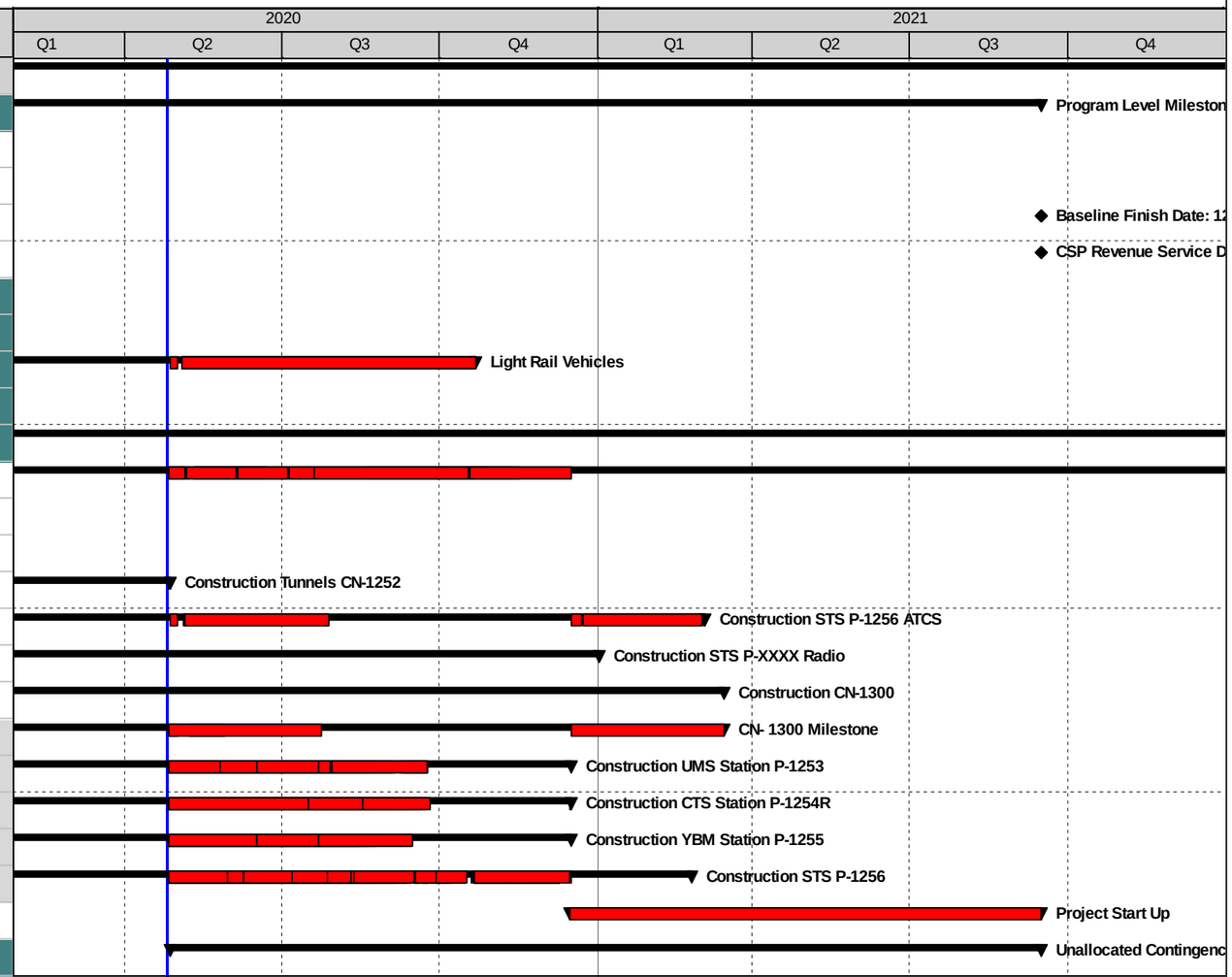
8
6
2

(3.2) contingency deficiency

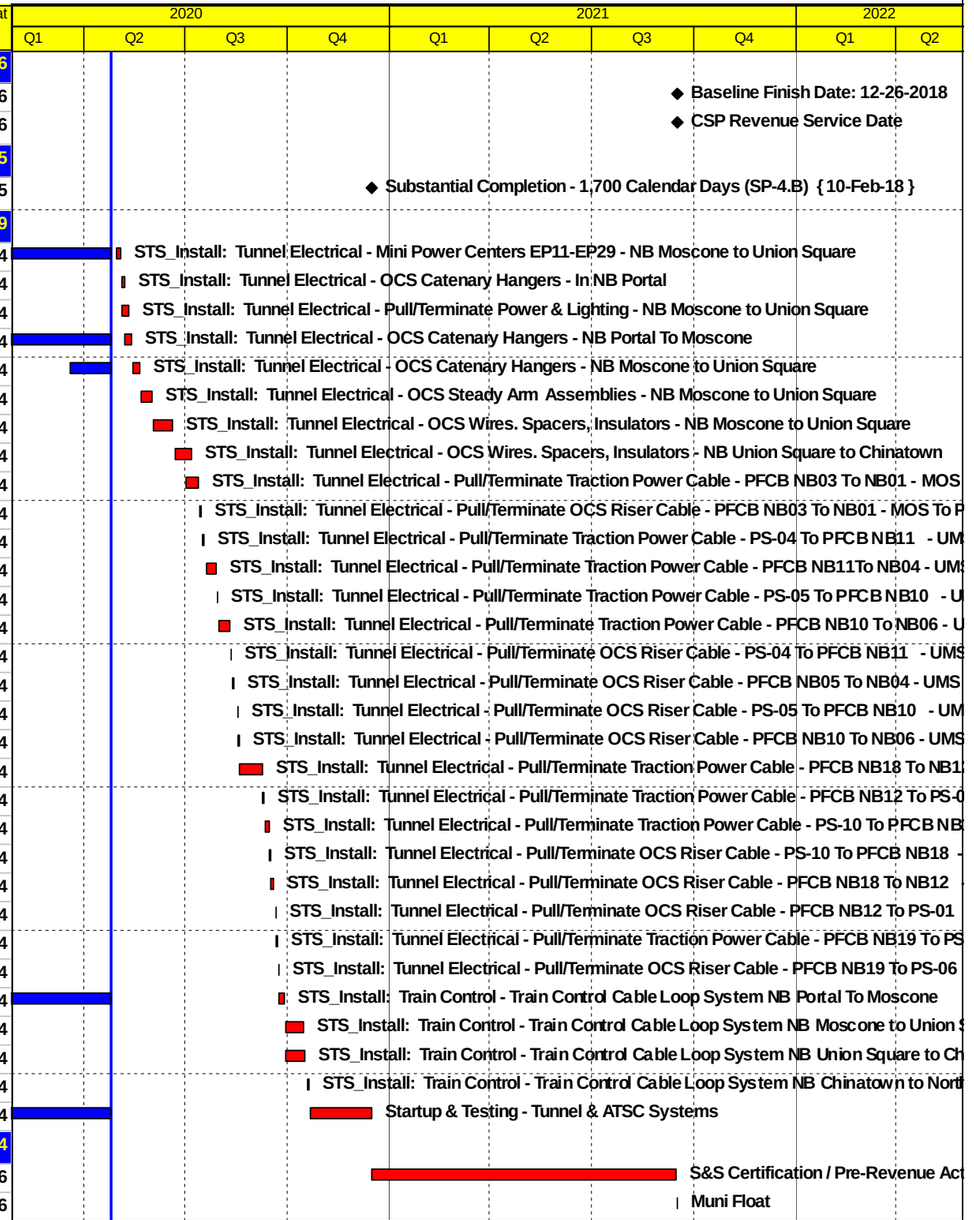
(16.8) contingency deficiency

(14) contingency deficiency

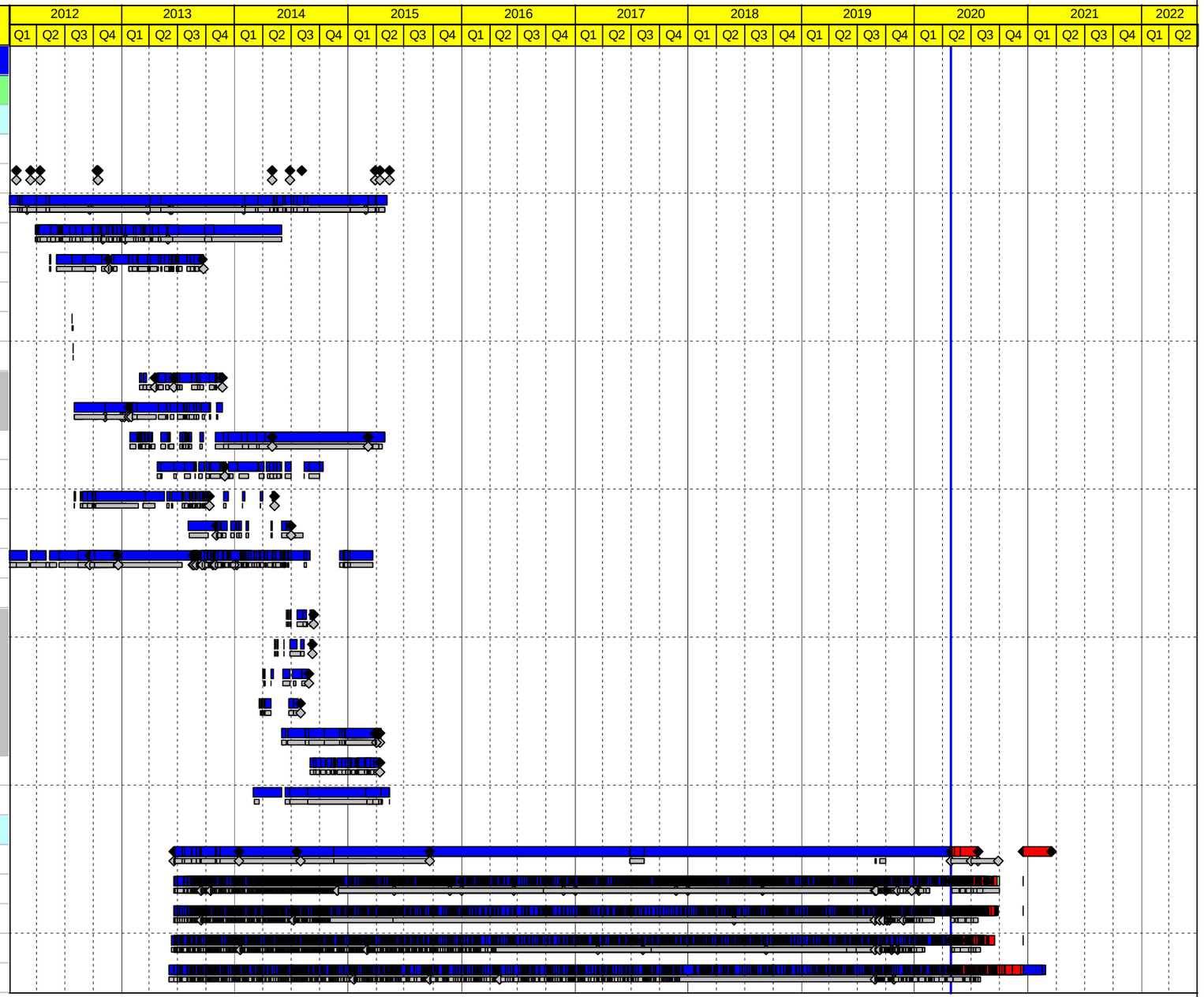
Activity ID	Activity Name	Original Duration	Start	Finish
CENTRAL SUBWAY PROJECT		4907	03-Jun-03 A	26-Mar-22
Program Level Milestones		5006	03-Jun-03 A	16-Sep-21
PJD1000	Central Subway Project Start	0	03-Jun-03 A	
MS0004A	Tunnel Excavation Complete - Project Milestone #4A	0		05-Sep-14 A
MS0019	Baseline Finish Date: 12-26-2018	0		16-Sep-21*
MS0009	CSP Revenue Service Date	0		16-Sep-21*
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		2747	15-Apr-13 A	21-Oct-20
Real Estate		3130	01-Aug-08 A	02-Jan-14 A
Construction Phase		3188	04-Jan-10 A	26-Mar-22
Construction Support and Costs		3730	04-Jan-10 A	26-Mar-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	27-Apr-20
Construction STS P-1256 ATCS		1816	20-May-14 A	04-Mar-21
Construction STS P-XXXX Radio		195	27-Aug-19 A	01-Jan-21
Construction CN-1300		2019	03-Jun-13 A	15-Mar-21
CN- 1300 Milestone		2019	17-Jun-13 A	15-Mar-21
Construction UMS Station P-1253		1956	17-Jun-13 A	16-Dec-20
Construction CTS Station P-1254R		1956	17-Jun-13 A	16-Dec-20
Construction YBM Station P-1255		1956	10-Jun-13 A	16-Dec-20
Construction STS P-1256		1956	03-Jun-13 A	25-Feb-21
Project Start Up		274	15-Dec-20	16-Sep-21
Unallocated Contingency		350	27-Apr-20	15-Sep-21



Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
Program Level Milestones		**0**	**16-Sep-21**	**16-Sep-21**	**-326**
MS0019	Baseline Finish Date: 12-26-2018	0		16-Sep-21*	-326
MS0009	CSP Revenue Service Date	0		16-Sep-21*	-326
CN- 1300 Milestone		**0**	**15-Dec-20**	**15-Dec-20**	**-475**
MS-10	Substantial Completion - 1,700 Calendar Days (SP-4.B) { 10-Feb-18 }	0		15-Dec-20*	-475
Construction STS P-1256		**395**	**13-May-19 A**	**15-Dec-20**	**-339**
STS.26.05.0820	STS_Install: Tunnel Electrical - Mini Power Centers EP11-EP29 - NB Moscone to Union	3	02-Dec-19 A	04-May-20	-334
STS.34.23.1800	STS_Install: Tunnel Electrical - OCS Catenary Hangers - In NB Portal	3	05-May-20	07-May-20	-334
STS.26.05.3910	STS_Install: Tunnel Electrical - Pull/Terminate Power & Lighting - NB Moscone to Unior	5	05-May-20	11-May-20	-334
STS.34.23.0460	STS_Install: Tunnel Electrical - OCS Catenary Hangers - NB Portal To Moscone	5	30-Sep-19 A	14-May-20	-334
STS.34.23.0850	STS_Install: Tunnel Electrical - OCS Catenary Hangers - NB Moscone to Union Square	5	20-Mar-20 A	21-May-20	-334
STS.34.23.1940	STS_Install: Tunnel Electrical - OCS Steady Arm Assemblies - NB Moscone to Union S	7	22-May-20	01-Jun-20	-334
STS.34.23.1850	STS_Install: Tunnel Electrical - OCS Wires. Spacers, Insulators - NB Moscone to Unior	14	02-Jun-20	19-Jun-20	-334
STS.34.23.1870	STS_Install: Tunnel Electrical - OCS Wires. Spacers, Insulators - NB Union Square to C	12	22-Jun-20	07-Jul-20	-334
STS.34.22.2900	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB03 To N	8	02-Jul-20	13-Jul-20	-334
STS.34.22.3090	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB03 To NB01	2	14-Jul-20	15-Jul-20	-334
STS.34.22.2880	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PS-04 To PFCB N	2	16-Jul-20	17-Jul-20	-334
STS.34.22.2890	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB11To NE	8	20-Jul-20	29-Jul-20	-334
STS.34.22.2910	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PS-05 To PFCB N	1	30-Jul-20	30-Jul-20	-334
STS.34.22.2920	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB10 To N	7	31-Jul-20	10-Aug-20	-334
STS.34.22.3070	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PS-04 To PFCB NB11	1	11-Aug-20	11-Aug-20	-334
STS.34.22.3080	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB05 To NB04	3	12-Aug-20	14-Aug-20	-334
STS.34.22.3100	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PS-05 To PFCB NB10	1	17-Aug-20	17-Aug-20	-334
STS.34.22.3110	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB10 To NB06	1	18-Aug-20	18-Aug-20	-334
STS.34.22.2860	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB18 To N	15	19-Aug-20	08-Sep-20	-334
STS.34.22.2870	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB12 To P	2	09-Sep-20	10-Sep-20	-334
STS.34.22.2850	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PS-10 To PFCB N	2	11-Sep-20	14-Sep-20	-334
STS.34.22.3040	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PS-10 To PFCB NB18	1	15-Sep-20	15-Sep-20	-334
STS.34.22.3050	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB18 To NB12	3	16-Sep-20	18-Sep-20	-334
STS.34.22.3060	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB12 To PS-01	1	21-Sep-20	21-Sep-20	-334
STS.34.22.2840	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB19 To P	2	21-Sep-20	22-Sep-20	-334
STS.34.22.3030	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB19 To PS-06	1	23-Sep-20	23-Sep-20	-334
STS.34.42.0390	STS_Install: Train Control - Train Control Cable Loop System NB Portal To Moscone	4	13-May-19 A	28-Sep-20	-334
STS.34.42.0770	STS_Install: Train Control - Train Control Cable Loop System NB Moscone to Union Sq	13	29-Sep-20	15-Oct-20	-334
STS.34.42.1150	STS_Install: Train Control - Train Control Cable Loop System NB Union Square to Chin	14	29-Sep-20	16-Oct-20	-334
STS.34.42.1520	STS_Install: Train Control - Train Control Cable Loop System NB Chinatown to North Li	2	19-Oct-20	20-Oct-20	-334
STS.34.42.425	Startup & Testing - Tunnel & ATSC Systems	40	14-Jan-20 A	15-Dec-20	-334
Project Start Up		**274**	**15-Dec-20**	**16-Sep-21**	**-474**
STU1010	S&S Certification / Pre-Revenue Activities	188	15-Dec-20	15-Sep-21	-326
BUF0018	Muni Float	0	16-Sep-21	16-Sep-21	-326



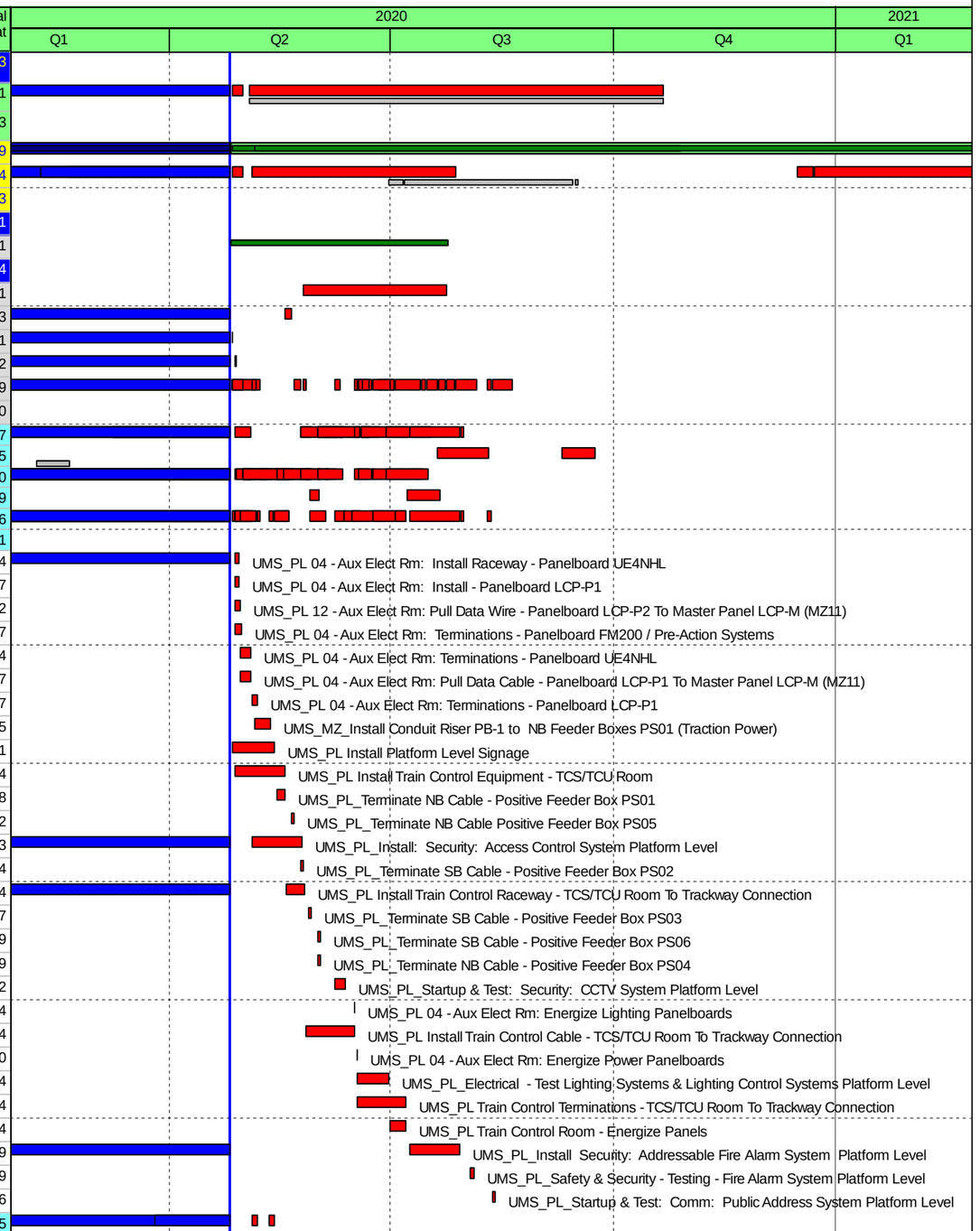
Activity Name	Original Duration	Start	Finish
CENTRAL SUBWAY PROJECT	2547	08-Jun-11 A	15-Mar-21
Construction Phase	2547	08-Jun-11 A	15-Mar-21
Construction Tunnels CN-1252	1518	08-Jun-11 A	15-May-15 A
1252 Tunnel Contract BIH	1518	08-Jun-11 A	15-May-15 A
Contract Milestones	1437	08-Jun-11 A	15-May-15 A
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	2019	03-Jun-13 A	15-Mar-21
CN- 1300 Milestone	2019	17-Jun-13 A	15-Mar-21
Construction UMS Station P-1253	1956	17-Jun-13 A	16-Dec-20
Construction CTS Station P-1254R	1956	17-Jun-13 A	16-Dec-20
Construction YBM Station P-1255	1956	10-Jun-13 A	16-Dec-20
Construction STS P-1256	1956	03-Jun-13 A	25-Feb-21



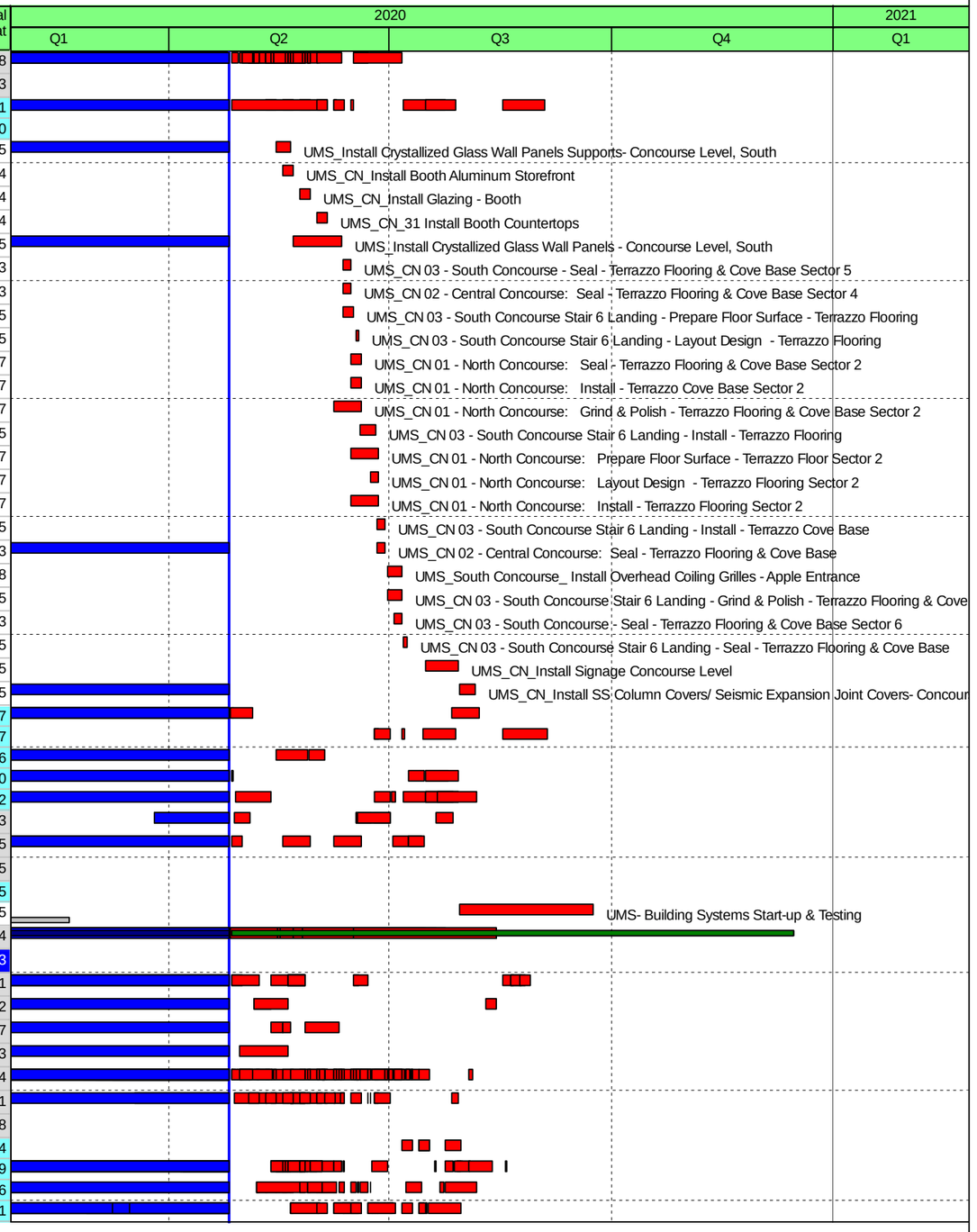
SFMTA Central Subway Project
Master Project Schedule
Contracts Summary Schedule- April 2020 Update

Required Revenue Service Date: 26-Dec-18
Data Date: 26-Apr-20

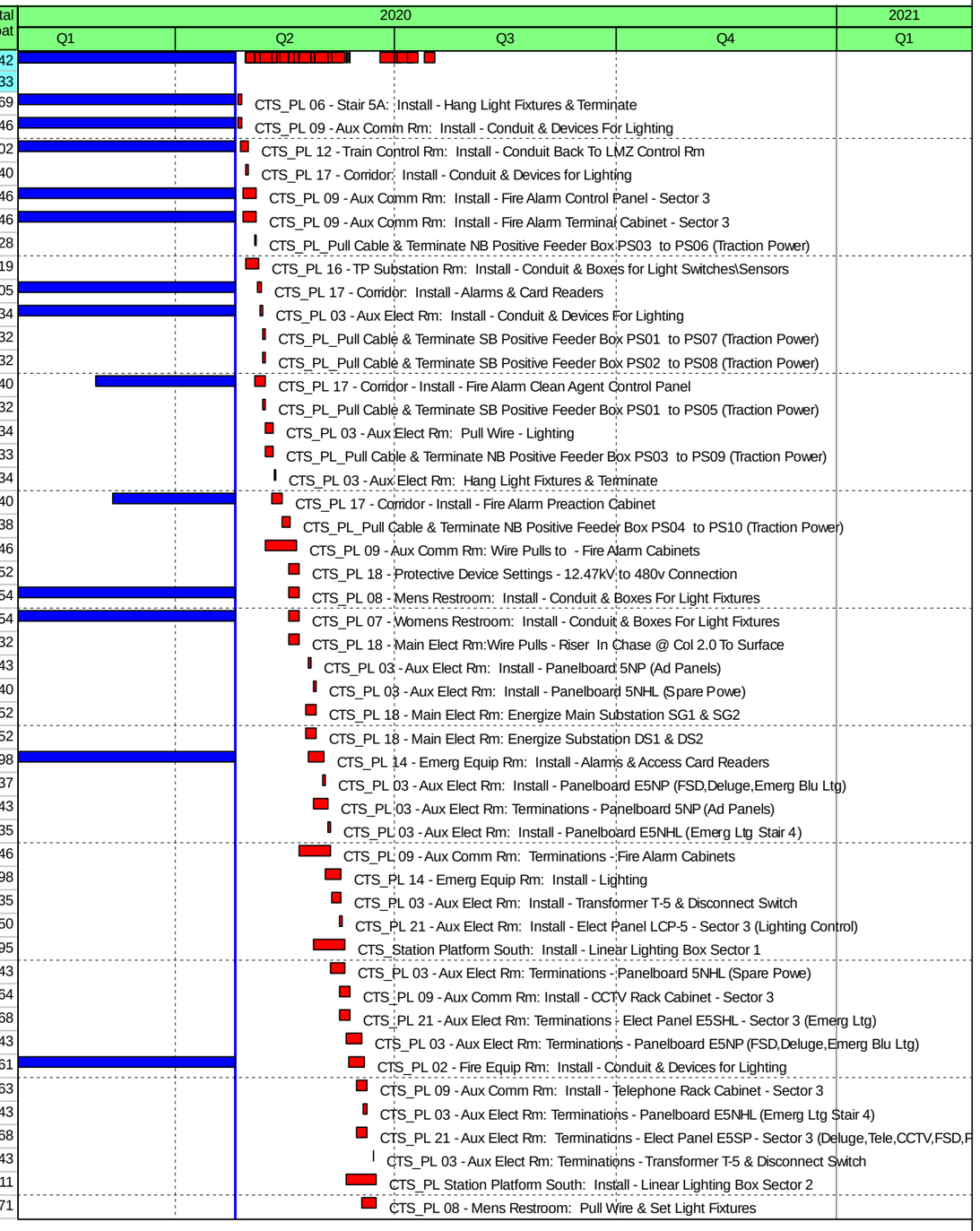
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
CENTRAL SUBWAY PROJECT		3794	04-Jan-10 A	04-Nov-22	213
Light Rail Vehicles		1025	29-Aug-16 A	21-Oct-20	-101
Construction Phase		3794	04-Jan-10 A	04-Nov-22	213
Construction Support and Costs		5314	04-Jan-10 A	04-Nov-22	299
Construction STS P-1256 ATCS		1133	16-May-16 A	04-Mar-21	-114
Construction CN-1300		1956	09-Jan-14 A	25-Feb-21	63
CN- 1300 Milestone		90	26-Apr-20	24-Jul-20	-331
No 13-Disp		90	26-Apr-20	24-Jul-20	-331
Construction UMS Station P-1253		1894	09-Jan-14 A	15-Dec-20	64
Engineering & Procurement		60	26-May-20	24-Jul-20	-331
Site Work / Utility Relocation		58	05-Feb-18 A	21-May-20	-183
Drilled Shafts		1	11-Sep-17 A	27-Apr-20	231
Masonry		10	25-Jun-18 A	28-Apr-20	-232
Mechanical		1042	14-May-18 A	20-Aug-20	-259
Electrical		582	10-Jul-17 A	23-Sep-20	-280
Surface Level		528	12-Feb-18 A	31-Jul-20	-237
All Levels		48	20-Jul-20	23-Sep-20	-275
Concourse Level		461	04-Sep-17 A	16-Jul-20	-230
Intermediate Strut Level		38	29-May-20	21-Jul-20	-239
Mezzanine Level		538	10-Jul-17 A	11-Aug-20	-246
Platform Level		501	10-Jul-17 A	13-Aug-20	-251
UMS.26.24.2880	UMS_PL 04 - Aux Elect Rm: Install Raceway - Panelboard UE4NHL	2	17-Jul-17 A	29-Apr-20	-194
UMS.26.24.2890	UMS_PL 04 - Aux Elect Rm: Install - Panelboard LCP-P1	2	28-Apr-20	29-Apr-20	-197
UMS.26.24.2180	UMS_PL 12 - Aux Elect Rm: Pull Data Wire - Panelboard LCP-P2 To Master Panel LCP-M (MZ11)	3	28-Apr-20	30-Apr-20	-192
UMS.26.24.2990	UMS_PL 04 - Aux Elect Rm: Terminations - Panelboard FM200 / Pre-Action Systems	3	28-Apr-20	30-Apr-20	-207
UMS.26.24.2970	UMS_PL 04 - Aux Elect Rm: Terminations - Panelboard UE4NHL	3	30-Apr-20	04-May-20	-194
UMS.26.24.2940	UMS_PL 04 - Aux Elect Rm: Pull Data Cable - Panelboard LCP-P1 To Master Panel LCP-M (MZ11)	3	30-Apr-20	04-May-20	-197
UMS.26.24.4440	UMS_PL 04 - Aux Elect Rm: Terminations - Panelboard LCP-P1	3	05-May-20	07-May-20	-197
UMS.34.05.0340	UMS_MZ_Install Conduit Riser PB-1 to NB Feeder Boxes PS01 (Traction Power)	5	06-May-20	12-May-20	-245
UMS.10.14.0290	UMS_PL Install Platform Level Signage	14	27-Apr-20	14-May-20	-221
UMS.34.42.0175	UMS_PL Install Train Control Equipment - TCS/TCU Room	15	28-Apr-20	18-May-20	-254
UMS.34.22.0510	UMS_PL_Terminate NB Cable - Positive Feeder Box PS01	2	15-May-20	18-May-20	-238
UMS.34.22.0450	UMS_PL_Terminate NB Cable Positive Feeder Box PS05	2	21-May-20	22-May-20	-242
UMS.28.13.0150	UMS_PL_Install: Security: Access Control System Platform Level	15	10-Jul-17 A	25-May-20	-203
UMS.34.22.0470	UMS_PL_Terminate SB Cable - Positive Feeder Box PS02	2	25-May-20	26-May-20	-244
UMS.34.42.175	UMS_PL Install Train Control Raceway - TCS/TCU Room To Trackway Connection	15	06-Aug-18 A	26-May-20	-254
UMS.34.22.0430	UMS_PL_Terminate SB Cable - Positive Feeder Box PS03	2	28-May-20	29-May-20	-247
UMS.34.22.0490	UMS_PL_Terminate SB Cable - Positive Feeder Box PS06	2	01-Jun-20	02-Jun-20	-249
UMS.34.22.0520	UMS_PL_Terminate NB Cable - Positive Feeder Box PS04	2	01-Jun-20	02-Jun-20	-249
UMS.28.20.9955	UMS_PL_Startup & Test: Security: CCTV System Platform Level	5	08-Jun-20	12-Jun-20	-242
UMS.26.11.1440	UMS_PL 04 - Aux Elect Rm: Energize Lighting Panelboards	1	16-Jun-20	16-Jun-20	-224
UMS.34.42.185	UMS_PL Install Train Control Cable - TCS/TCU Room To Trackway Connection	15	27-May-20	16-Jun-20	-254
UMS.26.11.1400	UMS_PL 04 - Aux Elect Rm: Energize Power Panelboards	1	17-Jun-20	17-Jun-20	-240
UMS.26.50.9920	UMS_PL_Electrical - Test Lighting Systems & Lighting Control Systems Platform Level	10	17-Jun-20	30-Jun-20	-224
UMS.34.42.195	UMS_PL Train Control Terminations - TCS/TCU Room To Trackway Connection	15	17-Jun-20	07-Jul-20	-254
UMS.34.42.205	UMS_PL Train Control Room - Energize Panels	5	01-Jul-20	07-Jul-20	-254
UMS.28.31.0180	UMS_PL_Install Security: Addressable Fire Alarm System Platform Level	15	04-Jun-18 A	29-Jul-20	-239
UMS.28.31.9630	UMS_PL_Safety & Security - Testing - Fire Alarm System Platform Level	2	03-Aug-20	04-Aug-20	-239
UMS.27.51.9830	UMS_PL_Startup & Test: Comm: Public Address System Platform Level	2	12-Aug-20	13-Aug-20	-246
No 13-Level		8	27-Jun-19 A	14-May-20	-215



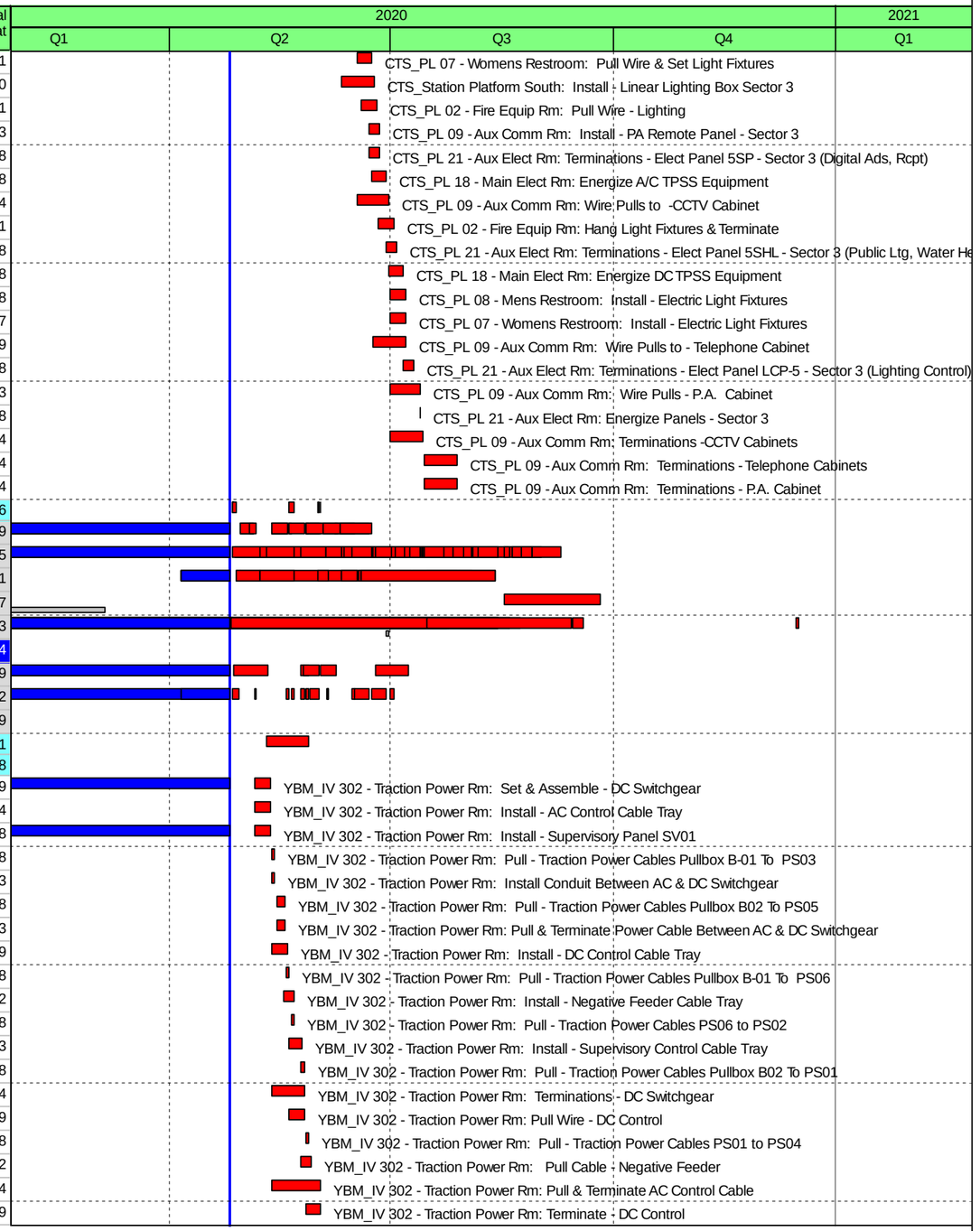
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
Electrical - Transportation		439	29-Mar-18 A	06-Jul-20	-258
Architectual Finishes		564	10-Apr-17 A	04-Sep-20	-263
Surface Level		167	30-Dec-19 A	03-Sep-20	-271
Concourse Level		193	20-May-19 A	05-Aug-20	-240
UMS.07.43.0160	UMS_Install Crystallized Glass Wall Panels Supports- Concourse Level, South	5	17-Oct-19 A	21-May-20	-235
UMS.08.51.0185	UMS_CN_Install Booth Aluminum Storefront	5	18-May-20	22-May-20	-244
UMS.08.51.0190	UMS_CN_Install Glazing - Booth	5	25-May-20	29-May-20	-244
UMS.12.36.0100	UMS_CN_31 Install Booth Countertops	5	01-Jun-20	05-Jun-20	-244
UMS.07.43.0170	UMS_Install Crystallized Glass Wall Panels - Concourse Level, South	15	07-Oct-19 A	11-Jun-20	-235
UMS.09.66.0370	UMS_CN 03 - South Concourse - Seal - Terrazzo Flooring & Cove Base Sector 5	2	12-Jun-20	15-Jun-20	-203
UMS.09.66.0510	UMS_CN 02 - Central Concourse: Seal - Terrazzo Flooring & Cove Base Sector 4	2	12-Jun-20	15-Jun-20	-213
UMS.09.66.0520	UMS_CN 03 - South Concourse Stair 6 Landing - Prepare Floor Surface - Terrazzo Flooring	3	12-Jun-20	16-Jun-20	-235
UMS.09.66.0530	UMS_CN 03 - South Concourse Stair 6 Landing - Layout Design - Terrazzo Flooring	2	17-Jun-20	18-Jun-20	-235
UMS.09.66.0250	UMS_CN 01 - North Concourse: Seal - Terrazzo Flooring & Cove Base Sector 2	5	15-Jun-20	19-Jun-20	-217
UMS.09.66.0230	UMS_CN 01 - North Concourse: Install - Terrazzo Cove Base Sector 2	5	15-Jun-20	19-Jun-20	-247
UMS.09.66.0240	UMS_CN 01 - North Concourse: Grind & Polish - Terrazzo Flooring & Cove Base Sector 2	10	08-Jun-20	19-Jun-20	-247
UMS.09.66.0540	UMS_CN 03 - South Concourse Stair 6 Landing - Install - Terrazzo Flooring	5	19-Jun-20	25-Jun-20	-235
UMS.09.66.0200	UMS_CN 01 - North Concourse: Prepare Floor Surface - Terrazzo Floor Sector 2	10	15-Jun-20	26-Jun-20	-247
UMS.09.66.0210	UMS_CN 01 - North Concourse: Layout Design - Terrazzo Flooring Sector 2	4	23-Jun-20	26-Jun-20	-247
UMS.09.66.0220	UMS_CN 01 - North Concourse: Install - Terrazzo Flooring Sector 2	10	15-Jun-20	26-Jun-20	-247
UMS.09.66.0550	UMS_CN 03 - South Concourse Stair 6 Landing - Install - Terrazzo Cove Base	2	26-Jun-20	29-Jun-20	-235
UMS.09.66.0310	UMS_CN 02 - Central Concourse: Seal - Terrazzo Flooring & Cove Base	2	06-Jan-20 A	29-Jun-20	-223
UMS.08.34.0100	UMS_South Concourse_ Install Overhead Coiling Grilles - Apple Entrance	5	30-Jun-20	06-Jul-20	-228
UMS.09.66.0560	UMS_CN 03 - South Concourse Stair 6 Landing - Grind & Polish - Terrazzo Flooring & Cove Base	5	30-Jun-20	06-Jul-20	-235
UMS.09.66.620	UMS_CN 03 - South Concourse - Seal - Terrazzo Flooring & Cove Base Sector 6	2	03-Jul-20	06-Jul-20	-223
UMS.09.66.0570	UMS_CN 03 - South Concourse Stair 6 Landing - Seal - Terrazzo Flooring & Cove Base	2	07-Jul-20	08-Jul-20	-235
UMS.10.14.290	UMS_CN_Install Signage Concourse Level	10	16-Jul-20	29-Jul-20	-245
UMS.05.70.0130	UMS_CN_Install SS Column Covers/ Seismic Expansion Joint Covers- Concourse Level (05 70 00)	5	20-May-19 A	05-Aug-20	-245
Intermediate Strut Level		424	07-May-18 A	07-Aug-20	-257
Mezzanine Level		52	25-Jun-20	04-Sep-20	-277
Platform Strut Level		19	04-Nov-19 A	04-Jun-20	-246
Platform Level		436	27-Aug-18 A	29-Jul-20	-250
No 13-Level		543	10-Apr-17 A	06-Aug-20	-242
Conveyances		87	26-Mar-20 A	27-Jul-20	-233
Stairs		395	06-Aug-18 A	15-Jul-20	-235
Startup & Testing		40	30-Jul-20	23-Sep-20	-275
Platform Level		40	30-Jul-20	23-Sep-20	-275
UMS.01.80.9900	UMS- Building Systems Start-up & Testing	40	30-Jul-20	23-Sep-20	-275
No 13-Disp		1866	09-Jan-14 A	15-Dec-20	64
Construction CTS Station P-1254R		1808	22-Apr-14 A	16-Dec-20	63
Site Work / Utility Relocation		430	31-Dec-18 A	28-Aug-20	141
Concrete/Shotcrete		182	21-Oct-19 A	14-Aug-20	-262
Structural Steel		98	28-Oct-19 A	10-Jun-20	-227
Masonry		15	16-Sep-19 A	20-May-20	-263
Mechanical		420	05-Mar-18 A	04-Aug-20	-244
Misc Metal		214	03-Jun-19 A	29-Jul-20	-241
Electrical		413	07-May-18 A	18-Aug-20	-248
Entrance Roof Level		19	06-Jul-20	30-Jul-20	-274
Surface Level		163	07-Oct-19 A	18-Aug-20	-249
Upper Mezz Level		249	08-Jul-19 A	06-Aug-20	-256
Lower Mezz Level		159	01-Oct-19 A	30-Jul-20	-241



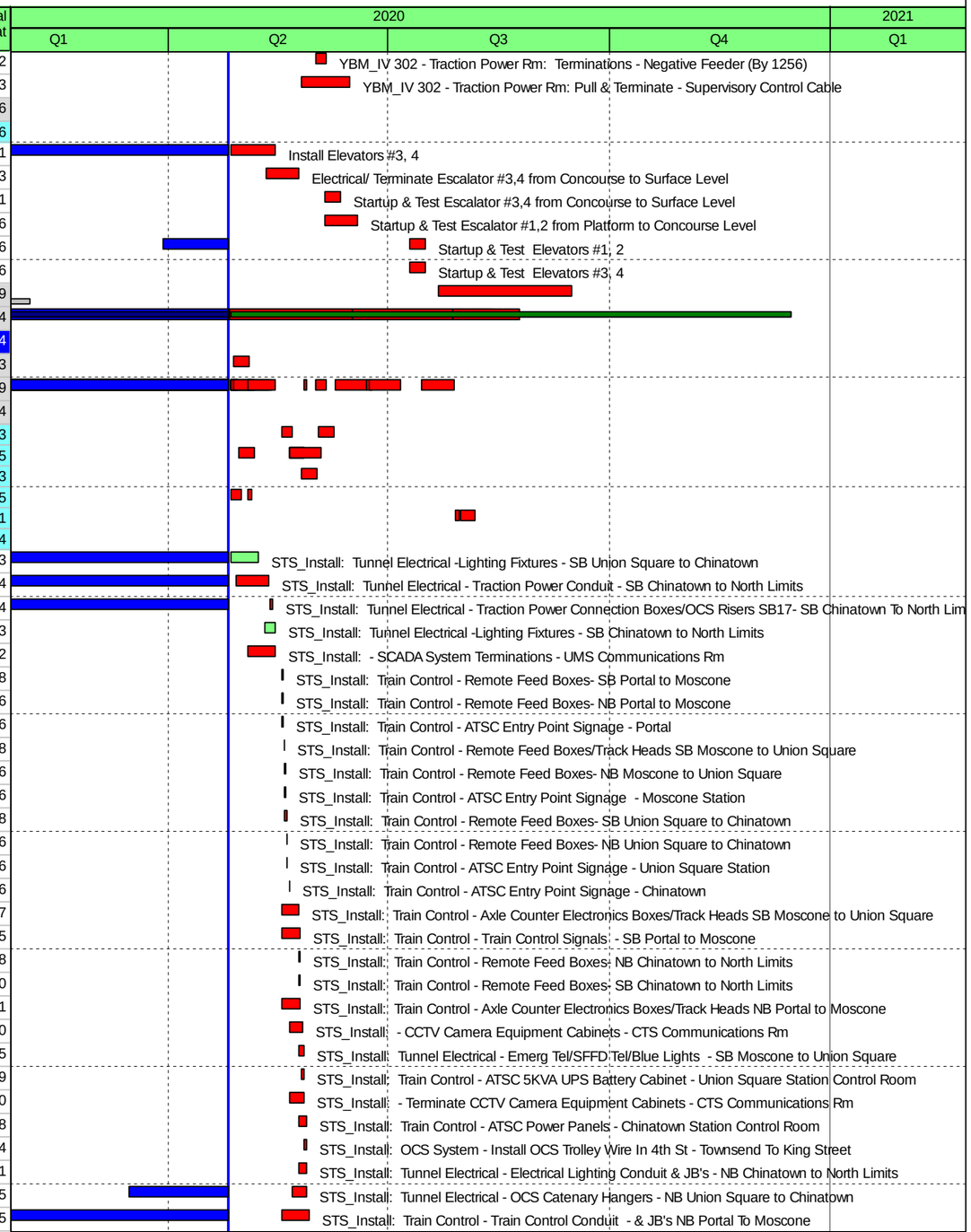
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
Concourse Level		381	08-Oct-18 A	17-Jul-20	-242
Platform Level		402	07-May-18 A	28-Jul-20	-233
CTS.26.50.230	CTS_PL 06 - Stair 5A: Install - Hang Light Fixtures & Terminate	2	30-Oct-19 A	28-Apr-20	-169
CTS.26.50.180	CTS_PL 09 - Aux Comm Rm: Install - Conduit & Devices For Lighting	2	29-Oct-19 A	28-Apr-20	-246
CTS.26.50.250	CTS_PL 12 - Train Control Rm: Install - Conduit Back To LMZ Control Rm	4	28-Oct-19 A	01-May-20	-202
CTS.26.50.200	CTS_PL 17 - Corridor: Install - Conduit & Devices for Lighting	2	30-Apr-20	01-May-20	-240
CTS.28.31.131	CTS_PL 09 - Aux Comm Rm: Install - Fire Alarm Control Panel - Sector 3	5	07-May-18 A	04-May-20	-246
CTS.28.31.142	CTS_PL 09 - Aux Comm Rm: Install - Fire Alarm Terminal Cabinet - Sector 3	4	05-Nov-19 A	04-May-20	-246
CTS.34.22.210	CTS_PL_Pull Cable & Terminate NB Positive Feeder Box PS03 to PS06 (Traction Power)	1	04-May-20	04-May-20	-228
CTS.26.50.290	CTS_PL 16 - TP Substation Rm: Install - Conduit & Boxes for Light Switches\Sensors	4	30-Apr-20	05-May-20	-219
CTS.26.50.265	CTS_PL 17 - Corridor: Install - Alarms & Card Readers	2	09-Oct-19 A	06-May-20	-205
CTS.26.50.160	CTS_PL 03 - Aux Elect Rm: Install - Conduit & Devices For Lighting	2	15-Nov-19 A	07-May-20	-234
CTS.34.22.250	CTS_PL_Pull Cable & Terminate SB Positive Feeder Box PS01 to PS07 (Traction Power)	2	07-May-20	08-May-20	-232
CTS.34.22.260	CTS_PL_Pull Cable & Terminate SB Positive Feeder Box PS02 to PS08 (Traction Power)	2	07-May-20	08-May-20	-232
CTS.28.31.132	CTS_PL 17 - Corridor - Install - Fire Alarm Clean Agent Control Panel	5	28-Feb-20 A	08-May-20	-240
CTS.34.2.240	CTS_PL_Pull Cable & Terminate SB Positive Feeder Box PS01 to PS05 (Traction Power)	2	07-May-20	08-May-20	-232
CTS.26.50.305	CTS_PL 03 - Aux Elect Rm: Pull Wire - Lighting	2	08-May-20	11-May-20	-234
CTS.34.22.220	CTS_PL_Pull Cable & Terminate NB Positive Feeder Box PS03 to PS09 (Traction Power)	2	08-May-20	11-May-20	-233
CTS.26.50.380	CTS_PL 03 - Aux Elect Rm: Hang Light Fixtures & Terminate	1	12-May-20	12-May-20	-234
CTS.28.31.133	CTS_PL 17 - Corridor - Install - Fire Alarm Preaction Cabinet	5	06-Mar-20 A	15-May-20	-240
CTS.34.22.230	CTS_PL_Pull Cable & Terminate NB Positive Feeder Box PS04 to PS10 (Traction Power)	2	15-May-20	18-May-20	-238
CTS.26.50.1115	CTS_PL 09 - Aux Comm Rm: Wire Pulls to - Fire Alarm Cabinets	10	08-May-20	21-May-20	-246
CTS.26.05.200	CTS_PL 18 - Protective Device Settings - 12.47kV to 480v Connection	5	18-May-20	22-May-20	-252
CTS.26.50.460	CTS_PL 08 - Mens Restroom: Install - Conduit & Boxes For Light Fixtures	5	11-Nov-19 A	22-May-20	-254
CTS.26.50.455	CTS_PL 07 - Womens Restroom: Install - Conduit & Boxes For Light Fixtures	5	11-Nov-19 A	22-May-20	-254
CTS.26.11.915	CTS_PL 18 - Main Elect Rm:Wire Pulls - Riser In Chase @ Col 2.0 To Surface	5	18-May-20	22-May-20	-232
CTS.26.24.225	CTS_PL 03 - Aux Elect Rm: Install - Panelboard 5NP (Ad Panels)	2	26-May-20	27-May-20	-243
CTS.26.24.230	CTS_PL 03 - Aux Elect Rm: Install - Panelboard 5NHL (Spare Powe)	2	28-May-20	29-May-20	-240
CTS.26.11.900	CTS_PL 18 - Main Elect Rm: Energize Main Substation SG1 & SG2	5	25-May-20	29-May-20	-252
CTS.26.11.905	CTS_PL 18 - Main Elect Rm: Energize Substation DS1 & DS2	5	25-May-20	29-May-20	-252
CTS.26.50.205	CTS_PL 14 - Emerg Equip Rm: Install - Alarms & Access Card Readers	5	08-Jul-19 A	01-Jun-20	-198
CTS.26.24.235	CTS_PL 03 - Aux Elect Rm: Install - Panelboard E5NP (FSD,Deluge,Emerg Blu Ltg)	2	01-Jun-20	02-Jun-20	-237
CTS.26.24.255	CTS_PL 03 - Aux Elect Rm: Terminations - Panelboard 5NP (Ad Panels)	5	28-May-20	03-Jun-20	-243
CTS.26.24.240	CTS_PL 03 - Aux Elect Rm: Install - Panelboard E5NHL (Emerg Ltg Stair 4)	2	03-Jun-20	04-Jun-20	-235
CTS.26.50.1155	CTS_PL 09 - Aux Comm Rm: Terminations - Fire Alarm Cabinets	10	22-May-20	04-Jun-20	-246
CTS.26.50.270	CTS_PL 14 - Emerg Equip Rm: Install - Lighting	5	02-Jun-20	08-Jun-20	-198
CTS.26.12.245	CTS_PL 03 - Aux Elect Rm: Install - Transformer T-5 & Disconnect Switch	2	05-Jun-20	08-Jun-20	-235
CTS.26.24.160	CTS_PL 21 - Aux Elect Rm: Install - Elect Panel LCP-5 - Sector 3 (Lighting Control)	2	08-Jun-20	09-Jun-20	-250
CTS.26.50.1215	CTS_Station Platform South: Install - Linear Lighting Box Sector 1	10	28-May-20	10-Jun-20	-195
CTS.26.24.260	CTS_PL 03 - Aux Elect Rm: Terminations - Panelboard 5NHL (Spare Powe)	5	04-Jun-20	10-Jun-20	-243
CTS.28.20.148	CTS_PL 09 - Aux Comm Rm: Install - CCTV Rack Cabinet - Sector 3	5	08-Jun-20	12-Jun-20	-264
CTS.26.24.170	CTS_PL 21 - Aux Elect Rm: Terminations - Elect Panel E5SHL - Sector 3 (Emerg Ltg)	5	08-Jun-20	12-Jun-20	-268
CTS.26.24.265	CTS_PL 03 - Aux Elect Rm: Terminations - Panelboard E5NP (FSD,Deluge,Emerg Blu Ltg)	5	11-Jun-20	17-Jun-20	-243
CTS.26.50.215	CTS_PL 02 - Fire Equip Rm: Install - Conduit & Devices for Lighting	5	04-Nov-19 A	18-Jun-20	-261
CTS.28.20.525	CTS_PL 09 - Aux Comm Rm: Install - Telephone Rack Cabinet - Sector 3	5	15-Jun-20	19-Jun-20	-263
CTS.26.24.270	CTS_PL 03 - Aux Elect Rm: Terminations - Panelboard E5NHL (Emerg Ltg Stair 4)	2	18-Jun-20	19-Jun-20	-243
CTS.26.24.175	CTS_PL 21 - Aux Elect Rm: Terminations - Elect Panel E5SP - Sector 3 (Deluge,Tele,CCTV,FSD,Pre	5	15-Jun-20	19-Jun-20	-268
CTS.26.12.275	CTS_PL 03 - Aux Elect Rm: Terminations - Transformer T-5 & Disconnect Switch	1	22-Jun-20	22-Jun-20	-243
CTS.26.50.1205	CTS_PL Station Platform South: Install - Linear Lighting Box Sector 2	9	11-Jun-20	23-Jun-20	-211
CTS.26.50.470	CTS_PL 08 - Mens Restroom: Pull Wire & Set Light Fixtures	5	17-Jun-20	23-Jun-20	-271



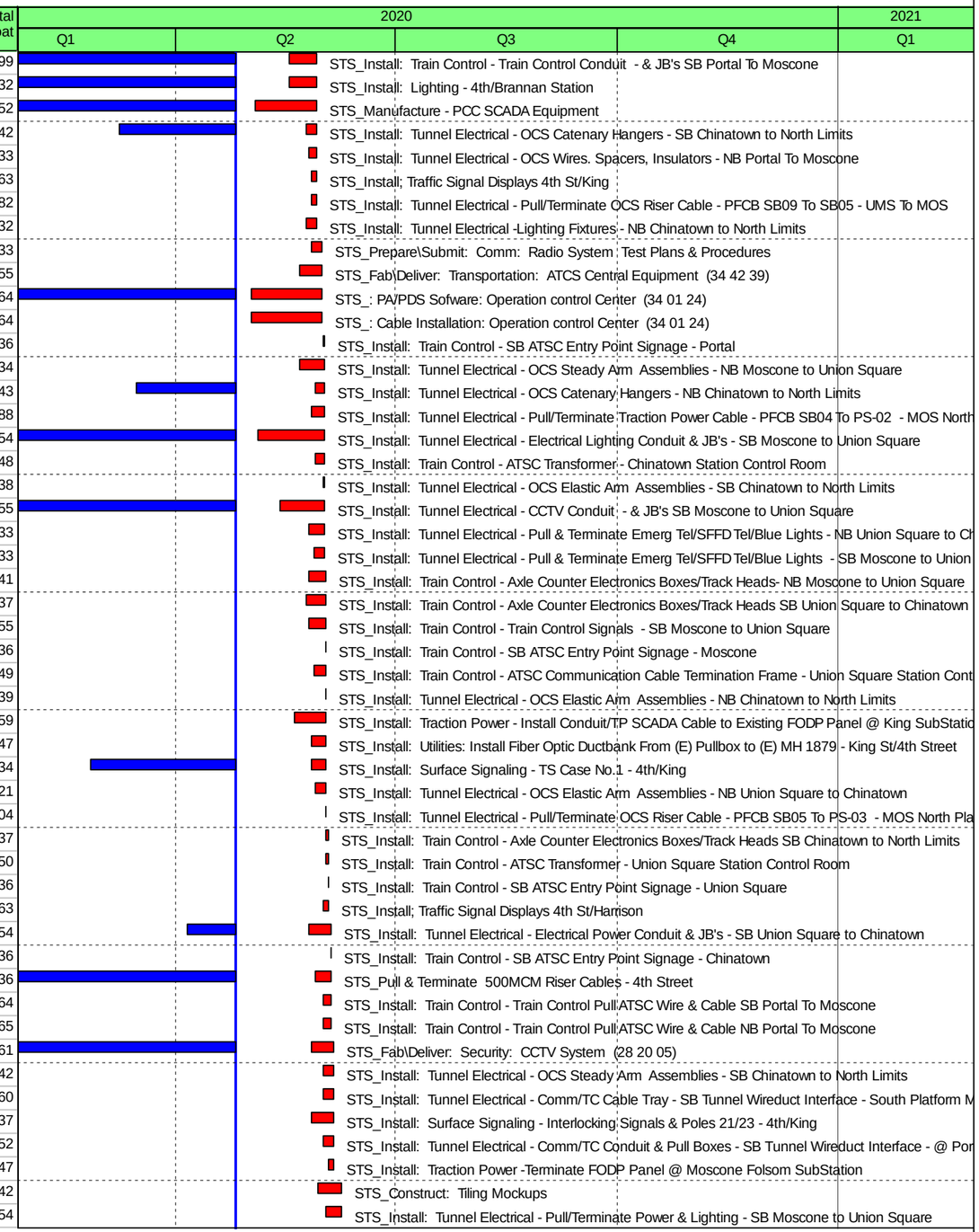
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
CTS.26.50.465	CTS_PL 07 - Womens Restroom: Pull Wire & Set Light Fixtures	5	17-Jun-20	23-Jun-20	-271
CTS.26.50.1195	CTS_Station Platform South: Install - Linear Lighting Box Sector 3	10	11-Jun-20	24-Jun-20	-240
CTS.26.50.370	CTS_PL 02 - Fire Equip Rm: Pull Wire - Lighting	5	19-Jun-20	25-Jun-20	-261
CTS.28.20.535	CTS_PL 09 - Aux Comm Rm: Install - PA Remote Panel - Sector 3	5	22-Jun-20	26-Jun-20	-263
CTS.26.24.180	CTS_PL 21 - Aux Elect Rm: Terminations - Elect Panel 5SP - Sector 3 (Digital Ads, Rcpt)	5	22-Jun-20	26-Jun-20	-268
CTS.34.21.915	CTS_PL 18 - Main Elect Rm: Energize A/C TPSS Equipment	5	23-Jun-20	29-Jun-20	-258
CTS.26.50.1125	CTS_PL 09 - Aux Comm Rm: Wire Pulls to -CCTV Cabinet	10	17-Jun-20	30-Jun-20	-264
CTS.26.50.435	CTS_PL 02 - Fire Equip Rm: Hang Light Fixtures & Terminate	5	26-Jun-20	02-Jul-20	-261
CTS.26.24.185	CTS_PL 21 - Aux Elect Rm: Terminations - Elect Panel 5SHL - Sector 3 (Public Ltg, Water Heater)	5	29-Jun-20	03-Jul-20	-268
CTS.34.21.935	CTS_PL 18 - Main Elect Rm: Energize DC TPSS Equipment	5	30-Jun-20	06-Jul-20	-258
CTS.26.50.480	CTS_PL 08 - Mens Restroom: Install - Electric Light Fixtures	5	01-Jul-20	07-Jul-20	-268
CTS.26.50.475	CTS_PL 07 - Womens Restroom: Install - Electric Light Fixtures	5	01-Jul-20	07-Jul-20	-267
CTS.26.50.1135	CTS_PL 09 - Aux Comm Rm: Wire Pulls to - Telephone Cabinet	10	24-Jun-20	07-Jul-20	-259
CTS.26.24.190	CTS_PL 21 - Aux Elect Rm: Terminations - Elect Panel LCP-5 - Sector 3 (Lighting Control)	5	06-Jul-20	10-Jul-20	-268
CTS.26.50.1145	CTS_PL 09 - Aux Comm Rm: Wire Pulls - P.A. Cabinet	9	01-Jul-20	13-Jul-20	-263
CTS.26.24.925	CTS_PL 21 - Aux Elect Rm: Energize Panels - Sector 3	1	13-Jul-20	13-Jul-20	-268
CTS.26.50.1165	CTS_PL 09 - Aux Comm Rm: Terminations -CCTV Cabinets	10	01-Jul-20	14-Jul-20	-264
CTS.26.50.1175	CTS_PL 09 - Aux Comm Rm: Terminations - Telephone Cabinets	10	15-Jul-20	28-Jul-20	-264
CTS.26.50.1185	CTS_PL 09 - Aux Comm Rm: Terminations - P.A. Cabinet	10	15-Jul-20	28-Jul-20	-264
Under Platform Level		27	27-Apr-20	02-Jun-20	-236
Electrical - Transportation		145	16-Dec-19 A	23-Jun-20	-249
Architectual Finishes		352	26-Apr-19 A	09-Sep-20	-265
Conveyances		70	06-Apr-20 A	13-Aug-20	-271
Startup & Testing		30	17-Aug-20	25-Sep-20	-277
No 13-Disp		1808	22-Apr-14 A	16-Dec-20	63
Construction YBM Station P-1255		1742	10-Jul-14 A	15-Dec-20	64
Concrete/Shotcrete		371	15-Oct-18 A	08-Jul-20	-249
Electrical		249	18-Jul-19 A	02-Jul-20	-262
Electrical - Transportation		284	28-May-19 A	15-Jun-20	-249
Platform Level		14	11-May-20	28-May-20	-231
Under Platform Level		277	28-May-19 A	15-Jun-20	-248
YBM.34.21.1095	YBM_IV 302 - Traction Power Rm: Set & Assemble - DC Switchgear	15	03-Jun-19 A	12-May-20	-259
YBM.34.21.1185	YBM_IV 302 - Traction Power Rm: Install - AC Control Cable Tray	5	06-May-20	12-May-20	-244
YBM.34.21.1085	YBM_IV 302 - Traction Power Rm: Install - Supervisory Panel SV01	5	28-May-19 A	12-May-20	-248
YBM.34.22.0330	YBM_IV 302 - Traction Power Rm: Pull - Traction Power Cables Pullbox B-01 To PS03	2	13-May-20	14-May-20	-238
YBM.34.21.1175	YBM_IV 302 - Traction Power Rm: Install Conduit Between AC & DC Switchgear	2	13-May-20	14-May-20	-233
YBM.34.22.0340	YBM_IV 302 - Traction Power Rm: Pull - Traction Power Cables Pullbox B02 To PS05	2	15-May-20	18-May-20	-238
YBM.34.21.1195	YBM_IV 302 - Traction Power Rm: Pull & Terminate Power Cable Between AC & DC Switchgear	2	15-May-20	18-May-20	-233
YBM.34.21.1145	YBM_IV 302 - Traction Power Rm: Install - DC Control Cable Tray	5	13-May-20	19-May-20	-239
YBM.34.22.0360	YBM_IV 302 - Traction Power Rm: Pull - Traction Power Cables Pullbox B-01 To PS06	2	19-May-20	20-May-20	-238
YBM.34.21.1125	YBM_IV 302 - Traction Power Rm: Install - Negative Feeder Cable Tray	5	18-May-20	22-May-20	-242
YBM.34.22.0370	YBM_IV 302 - Traction Power Rm: Pull - Traction Power Cables PS06 to PS02	2	21-May-20	22-May-20	-238
YBM.34.21.1105	YBM_IV 302 - Traction Power Rm: Install - Supervisory Control Cable Tray	4	20-May-20	25-May-20	-253
YBM.34.22.0380	YBM_IV 302 - Traction Power Rm: Pull - Traction Power Cables Pullbox B02 To PS01	2	25-May-20	26-May-20	-238
YBM.34.21.1165	YBM_IV 302 - Traction Power Rm: Terminations - DC Switchgear	10	13-May-20	26-May-20	-234
YBM.34.21.1235	YBM_IV 302 - Traction Power Rm: Pull Wire - DC Control	5	20-May-20	26-May-20	-239
YBM.34.22.0390	YBM_IV 302 - Traction Power Rm: Pull - Traction Power Cables PS01 to PS04	2	27-May-20	28-May-20	-238
YBM.34.21.1255	YBM_IV 302 - Traction Power Rm: Pull Cable - Negative Feeder	5	25-May-20	29-May-20	-242
YBM.34.21.1205	YBM_IV 302 - Traction Power Rm: Pull & Terminate AC Control Cable	15	13-May-20	02-Jun-20	-244
YBM.34.21.1245	YBM_IV 302 - Traction Power Rm: Terminate - DC Control	5	27-May-20	02-Jun-20	-239



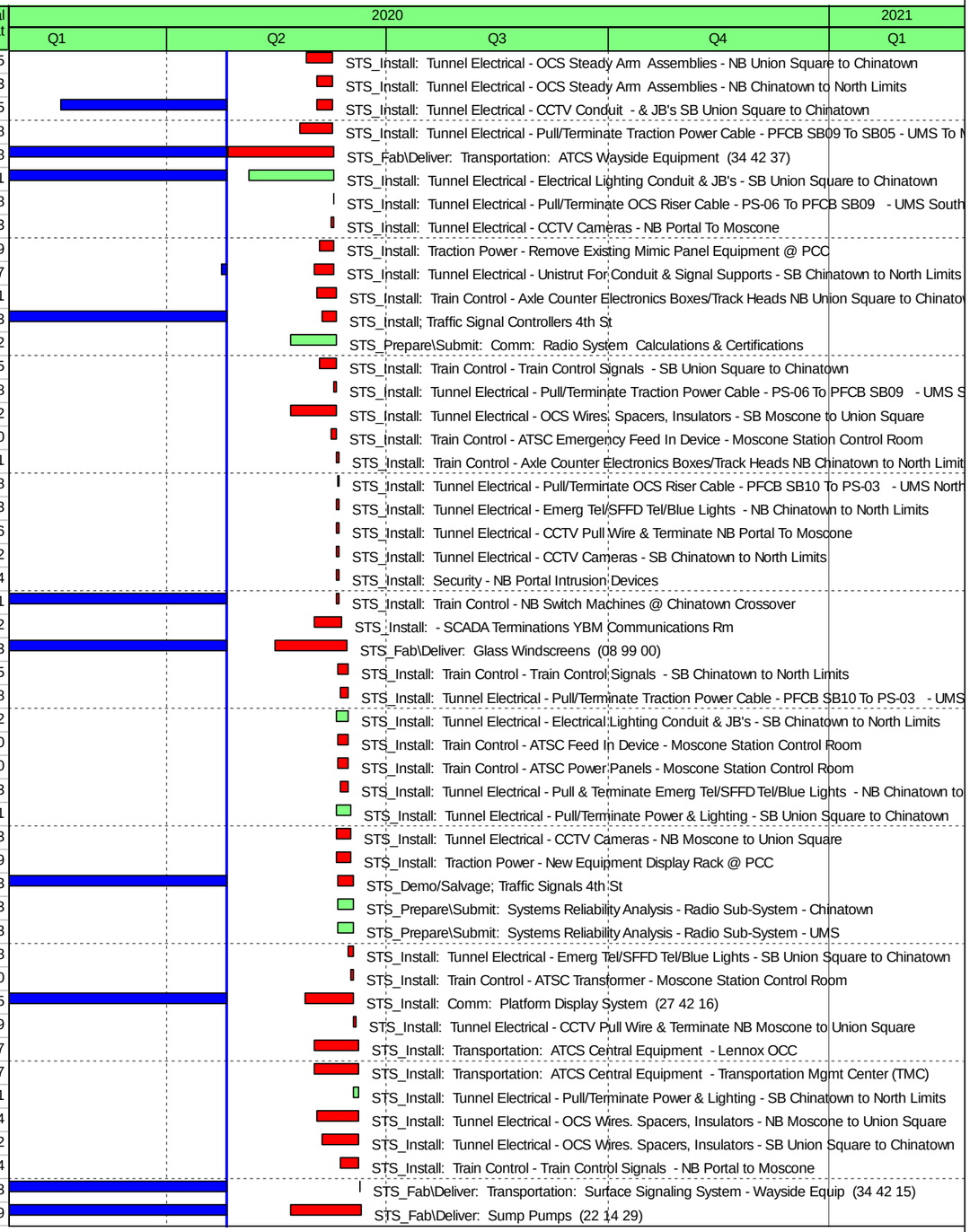
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
YBM.34.21.1265	YBM_IV 302 - Traction Power Rm: Terminations - Negative Feeder (By 1256)	5	01-Jun-20	05-Jun-20	-242
YBM.34.21.1115	YBM_IV 302 - Traction Power Rm: Pull & Terminate - Supervisory Control Cable	15	26-May-20	15-Jun-20	-253
Conveyances		146	06-Jan-20 A	16-Jul-20	-266
All Levels		146	06-Jan-20 A	16-Jul-20	-266
YBM.14.21.145	Install Elevators #3, 4	30	06-Jan-20 A	15-May-20	-241
YBM.14.31.177	Electrical/ Terminate Escalator #3,4 from Concourse to Surface Level	10	11-May-20	25-May-20	-233
YBM.14.31.207	Startup & Test Escalator #3,4 from Concourse to Surface Level	5	05-Jun-20	11-Jun-20	-241
YBM.14.31.197	Startup & Test Escalator #1,2 from Platform to Concourse Level	10	05-Jun-20	18-Jun-20	-246
YBM.14.21.125	Startup & Test Elevators #1, 2	5	30-Mar-20 A	16-Jul-20	-266
YBM.14.21.155	Startup & Test Elevators #3, 4	5	10-Jul-20	16-Jul-20	-266
Startup & Testing		40	22-Jul-20	15-Sep-20	-269
No 13-Disp		1726	10-Jul-14 A	15-Dec-20	64
Construction STS P-1256		1747	13-Jan-14 A	25-Feb-21	64
Concrete/Shotcrete		5	28-Apr-20	04-May-20	-213
Tunnel Concrete		538	22-Jan-18 A	28-Jul-20	-249
Electrical		1683	14-May-14 A	20-Oct-20	104
Upper Mezz Level		16	18-May-20	08-Jun-20	-223
Lower Mezz Level		25	30-Apr-20	03-Jun-20	-235
Intermediate Strut Level		5	26-May-20	01-Jun-20	-243
Mezzanine Level		7	27-Apr-20	05-May-20	-215
Platform Level		7	29-Jul-20	06-Aug-20	-271
No 13-Level		1683	14-May-14 A	20-Oct-20	104
STS.26.05.1740	STS_Install: Tunnel Electrical -Lighting Fixtures - SB Union Square to Chinatown	10	03-Sep-18 A	08-May-20	213
STS.26.05.1390	STS_Install: Tunnel Electrical - Traction Power Conduit - SB Chinatown to North Limits	10	15-Jul-19 A	12-May-20	-224
STS.26.05.1715	STS_Install: Tunnel Electrical - Traction Power Connection Boxes/OCS Risers SB17- SB Chinatown	2	05-Aug-19 A	14-May-20	-224
STS.26.05.1370	STS_Install: Tunnel Electrical -Lighting Fixtures - SB Chinatown to North Limits	5	11-May-20	15-May-20	213
STS.28.20.2020	STS_Install: - SCADA System Terminations - UMS Communications Rm	10	04-May-20	15-May-20	-222
STS.34.42.0690	STS_Install: Train Control - Remote Feed Boxes- SB Portal to Moscone	1	18-May-20	18-May-20	-228
STS.34.42.0490	STS_Install: Train Control - Remote Feed Boxes- NB Portal to Moscone	1	18-May-20	18-May-20	-226
STS.34.42.0510	STS_Install: Train Control - ATSC Entry Point Signage - Portal	1	18-May-20	18-May-20	-226
STS.34.42.1070	STS_Install: Train Control - Remote Feed Boxes/Track Heads SB Moscone to Union Square	1	19-May-20	19-May-20	-228
STS.34.42.0880	STS_Install: Train Control - Remote Feed Boxes- NB Moscone to Union Square	1	19-May-20	19-May-20	-226
STS.34.42.0900	STS_Install: Train Control - ATSC Entry Point Signage - Moscone Station	1	19-May-20	19-May-20	-226
STS.34.42.1440	STS_Install: Train Control - Remote Feed Boxes- SB Union Square to Chinatown	1	19-May-20	20-May-20	-228
STS.34.42.1260	STS_Install: Train Control - Remote Feed Boxes- NB Union Square to Chinatown	1	20-May-20	20-May-20	-226
STS.34.42.1270	STS_Install: Train Control - ATSC Entry Point Signage - Union Square Station	1	20-May-20	20-May-20	-226
STS.34.42.1640	STS_Install: Train Control - ATSC Entry Point Signage - Chinatown	1	21-May-20	21-May-20	-226
STS.34.42.1060	STS_Install: Train Control - Axle Counter Electronics Boxes/Track Heads SB Moscone to Union Squa	6	18-May-20	25-May-20	-237
STS.34.42.0600	STS_Install: Train Control - Train Control Signals - SB Portal to Moscone	6	18-May-20	25-May-20	-255
STS.34.42.1630	STS_Install: Train Control - Remote Feed Boxes- NB Chinatown to North Limits	1	25-May-20	25-May-20	-228
STS.34.42.1810	STS_Install: Train Control - Remote Feed Boxes- SB Chinatown to North Limits	1	25-May-20	25-May-20	-230
STS.34.42.0480	STS_Install: Train Control - Axle Counter Electronics Boxes/Track Heads NB Portal to Moscone	6	18-May-20	25-May-20	-241
STS.28.20.1870	STS_Install: - CCTV Camera Equipment Cabinets - CTS Communications Rm	4	21-May-20	26-May-20	-230
STS.26.05.1010	STS_Install: Tunnel Electrical - Emerg Tel/SFFD Tel/Blue Lights - SB Moscone to Union Square	3	25-May-20	27-May-20	-245
STS.34.42.2160	STS_Install: Train Control - ATSC 5KVA UPS Battery Cabinet - Union Square Station Control Room	2	26-May-20	27-May-20	-249
STS.28.20.2050	STS_Install: - Terminate CCTV Camera Equipment Cabinets - CTS Communications Rm	5	21-May-20	27-May-20	-230
STS.34.42.2120	STS_Install: Train Control - ATSC Power Panels - Chinatown Station Control Room	4	25-May-20	28-May-20	-248
STS.34.23.2600	STS_Install: OCS System - Install OCS Trolley Wire In 4th St - Townsend To King Street	2	27-May-20	28-May-20	-274
STS.26.05.1480	STS_Install: Tunnel Electrical - Electrical Lighting Conduit & JB's - NB Chinatown to North Limits	4	25-May-20	28-May-20	-231
STS.34.23.1230	STS_Install: Tunnel Electrical - OCS Catenary Hangers - NB Union Square to Chinatown	5	16-Mar-20 A	28-May-20	-325
STS.34.42.2270	STS_Install: Train Control - Train Control Conduit - & JB's NB Portal To Moscone	4	20-Mar-17 A	29-May-20	-325



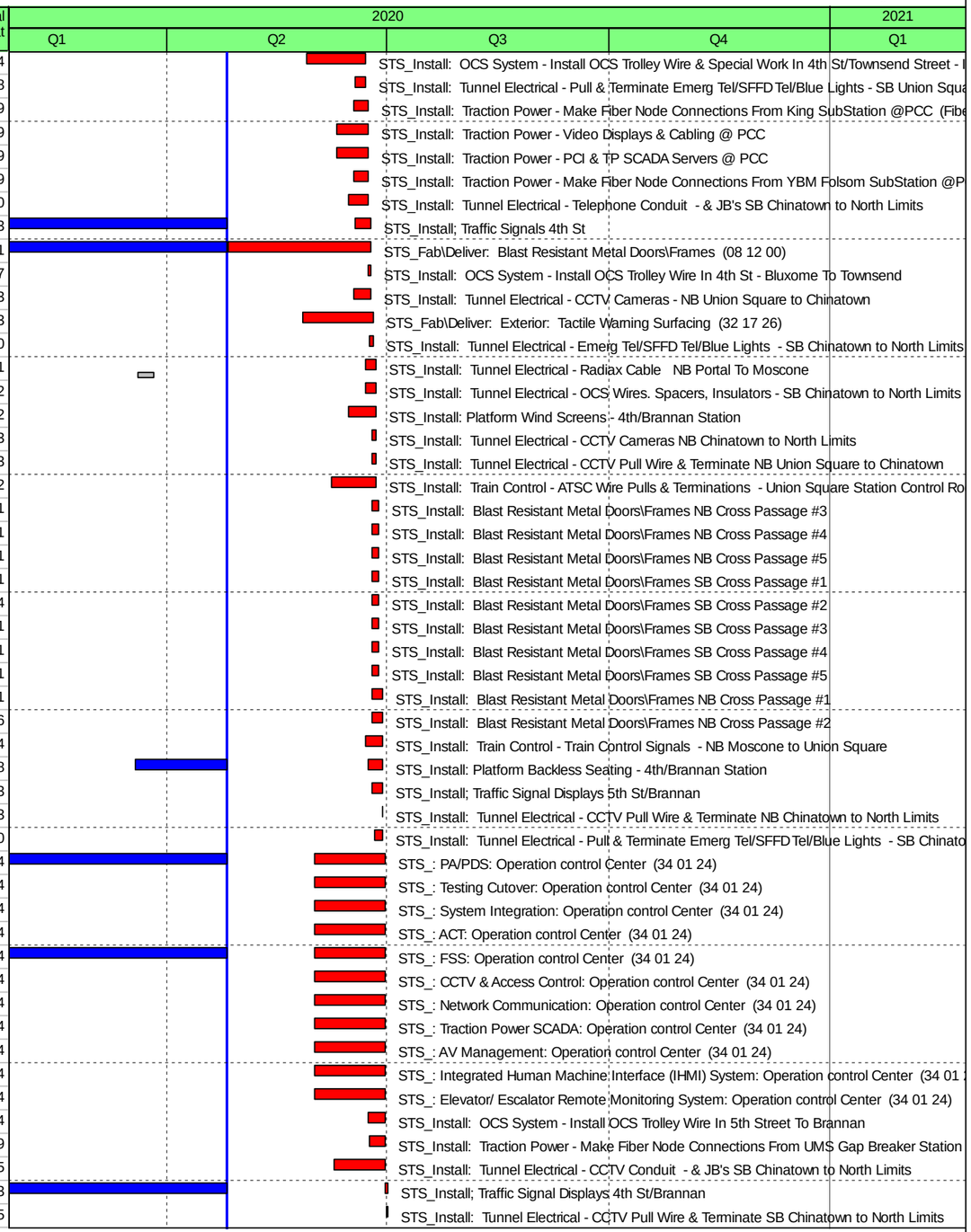
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
STS.34.42.2310	STS_Install: Train Control - Train Control Conduit - & JB's SB Portal To Moscone	4	20-Mar-17 A	29-May-20	-299
STS.26.05.3510	STS_Install: Lighting - 4th/Brannan Station	10	19-Feb-18 A	29-May-20	-232
STS.20.71.550	STS_Manufacture - PCC SCADA Equipment	20	17-Jan-20 A	29-May-20	-252
STS.34.23.1410	STS_Install: Tunnel Electrical - OCS Catenary Hangers - SB Chinatown to North Limits	5	09-Mar-20 A	29-May-20	-242
STS.34.23.1860	STS_Install: Tunnel Electrical - OCS Wires. Spacers, Insulators - NB Portal To Moscone	4	26-May-20	29-May-20	-333
STS.34.41.2120	STS_Install; Traffic Signal Displays 4th St/King	3	27-May-20	29-May-20	-263
STS.34.22.3170	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB SB09 To SB05 - UMS To MC	3	27-May-20	29-May-20	-282
STS.26.05.1560	STS_Install: Tunnel Electrical -Lighting Fixtures - NB Chinatown to North Limits	5	25-May-20	29-May-20	-232
STS 27 32 10 f1	STS_Prepare\Submit: Comm: Radio System Test Plans & Procedures	5	27-May-20	31-May-20	-433
STS 34 42 39 c	STS_Fab\Deliver: Transportation: ATCS Central Equipment (34 42 39)	10	22-May-20	31-May-20	-355
STS.34.01.24.100	STS_: PA/PDS Sofware: Operation control Center (34 01 24)	30	18-Dec-19 A	31-May-20	-364
STS.34.01.24.130	STS_: Cable Installation: Operation control Center (34 01 24)	30	02-May-20	31-May-20	-364
STS.34.42.0710	STS_Install: Train Control - SB ATSC Entry Point Signage - Portal	1	01-Jun-20	01-Jun-20	-236
STS.34.23.1940	STS_Install: Tunnel Electrical - OCS Steady Arm Assemblies - NB Moscone to Union Square	7	22-May-20	01-Jun-20	-334
STS.34.23.1600	STS_Install: Tunnel Electrical - OCS Catenary Hangers - NB Chinatown to North Limits	2	16-Mar-20 A	01-Jun-20	-243
STS.34.22.3010	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB SB04 To PS-02 - MOS I	4	27-May-20	01-Jun-20	-288
STS.26.05.0920	STS_Install: Tunnel Electrical - Electrical Lighting Conduit & JB's - SB Moscone to Union Square	20	26-Nov-19 A	01-Jun-20	-254
STS.34.42.2110	STS_Install: Train Control - ATSC Transformer - Chinatown Station Control Room	2	29-May-20	01-Jun-20	-248
STS.34.23.1400	STS_Install: Tunnel Electrical - OCS Elastic Arm Assemblies - SB Chinatown to North Limits	1	01-Jun-20	01-Jun-20	-238
STS.28.20.0950	STS_Install: Tunnel Electrical - CCTV Conduit - & JB's SB Moscone to Union Square	13	13-Dec-19 A	01-Jun-20	-255
STS.26.05.3790	STS_Install: Tunnel Electrical - Pull & Terminate Emerg Tel/SFFD Tel/Blue Lights - NB Union Square t	5	26-May-20	01-Jun-20	-233
STS.26.05.3820	STS_Install: Tunnel Electrical - Pull & Terminate Emerg Tel/SFFD Tel/Blue Lights - SB Moscone to U	3	28-May-20	01-Jun-20	-233
STS.34.420.870	STS_Install: Train Control - Axle Counter Electronics Boxes/Track Heads- NB Moscone to Union Squ	6	26-May-20	02-Jun-20	-241
STS.34.42.1800	STS_Install: Train Control - Axle Counter Electronics Boxes/Track Heads SB Union Square to Chinat	6	25-May-20	02-Jun-20	-237
STS.34.42.0980	STS_Install: Train Control - Train Control Signals - SB Moscone to Union Square	6	26-May-20	02-Jun-20	-255
STS.34.42.1090	STS_Install: Train Control - SB ATSC Entry Point Signage - Moscone	1	02-Jun-20	02-Jun-20	-236
STS.34.42.2170	STS_Install: Train Control - ATSC Communication Cable Termination Frame - Union Square Station (	4	28-May-20	02-Jun-20	-249
STS.34.23.1590	STS_Install: Tunnel Electrical - OCS Elastic Arm Assemblies - NB Chinatown to North Limits	1	02-Jun-20	02-Jun-20	-239
STS.26.05.2160	STS_Install: Traction Power - Install Conduit/TP SCADA Cable to Existing FODP Panel @ King SubS	10	20-May-20	02-Jun-20	-259
STS.34.23.100	STS_Install: Utilities: Install Fiber Optic Ductbank From (E) Pullbox to (E) MH 1879 - King St/4th Stre	5	27-May-20	02-Jun-20	-247
STS.34.42.1940	STS_Install: Surface Signaling - TS Case No.1 - 4th/King	5	26-Feb-20 A	02-Jun-20	-234
STS.34.23.1220	STS_Install: Tunnel Electrical - OCS Elastic Arm Assemblies - NB Union Square to Chinatown	3	29-May-20	02-Jun-20	-321
STS.34.22.3190	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB SB05 To PS-03 - MOS North	1	02-Jun-20	02-Jun-20	204
STS.34.42.1430	STS_Install: Train Control - Axle Counter Electronics Boxes/Track Heads SB Chinatown to North Limi	1	02-Jun-20	03-Jun-20	-237
STS.34.42.2200	STS_Install: Train Control - ATSC Transformer - Union Square Station Control Room	2	02-Jun-20	03-Jun-20	-250
STS.34.42.1460	STS_Install: Train Control - SB ATSC Entry Point Signage - Union Square	1	03-Jun-20	03-Jun-20	-236
STS.34.41.2100	STS_Install; Traffic Signal Displays 4th St/Harrison	3	01-Jun-20	03-Jun-20	-263
STS.26.05.1670	STS_Install: Tunnel Electrical - Electrical Power Conduit & JB's - SB Union Square to Chinatown	8	06-Apr-20 A	04-Jun-20	-254
STS.34.42.1820	STS_Install: Train Control - SB ATSC Entry Point Signage - Chinatown	1	04-Jun-20	04-Jun-20	-236
STS.34.22.3770	STS_Pull & Terminate 500MCM Riser Cables - 4th Street	5	13-Jan-20 A	04-Jun-20	-236
STS.34.42.2330	STS_Install: Train Control - Train Control Pull ATSC Wire & Cable SB Portal To Moscone	4	01-Jun-20	04-Jun-20	-264
STS.34.42.2370	STS_Install: Train Control - Train Control Pull ATSC Wire & Cable NB Portal To Moscone	4	01-Jun-20	04-Jun-20	-265
STS 28 20 05 c	STS_Fab\Deliver: Security: CCTV System (28 20 05)	180	03-Sep-14 A	05-Jun-20	-361
STS.34.23.2000	STS_Install: Tunnel Electrical - OCS Steady Arm Assemblies - SB Chinatown to North Limits	5	01-Jun-20	05-Jun-20	-242
STS.26.05.1960	STS_Install: Tunnel Electrical - Comm/TC Cable Tray - SB Tunnel Wireduct Interface - South Platfor	5	01-Jun-20	05-Jun-20	-260
STS.34.42.1880	STS_Install: Surface Signaling - Interlocking Signals & Poles 21/23 - 4th/King	8	27-May-20	05-Jun-20	-237
STS.26.05.2060	STS_Install: Tunnel Electrical - Comm/TC Conduit & Pull Boxes - SB Tunnel Wireduct Interface - @ I	5	01-Jun-20	05-Jun-20	-252
STS.26.05.2210	STS_Install: Traction Power -Terminate FODP Panel @ Moscone Folsom SubStation	3	03-Jun-20	05-Jun-20	-247
STS 09 30 00 k1	STS_Construct: Tiling Mockups	10	30-May-20	08-Jun-20	-342
STS.26.05.3870	STS_Install: Tunnel Electrical - Pull/Terminate Power & Lighting - SB Moscone to Union Square	5	02-Jun-20	08-Jun-20	-254



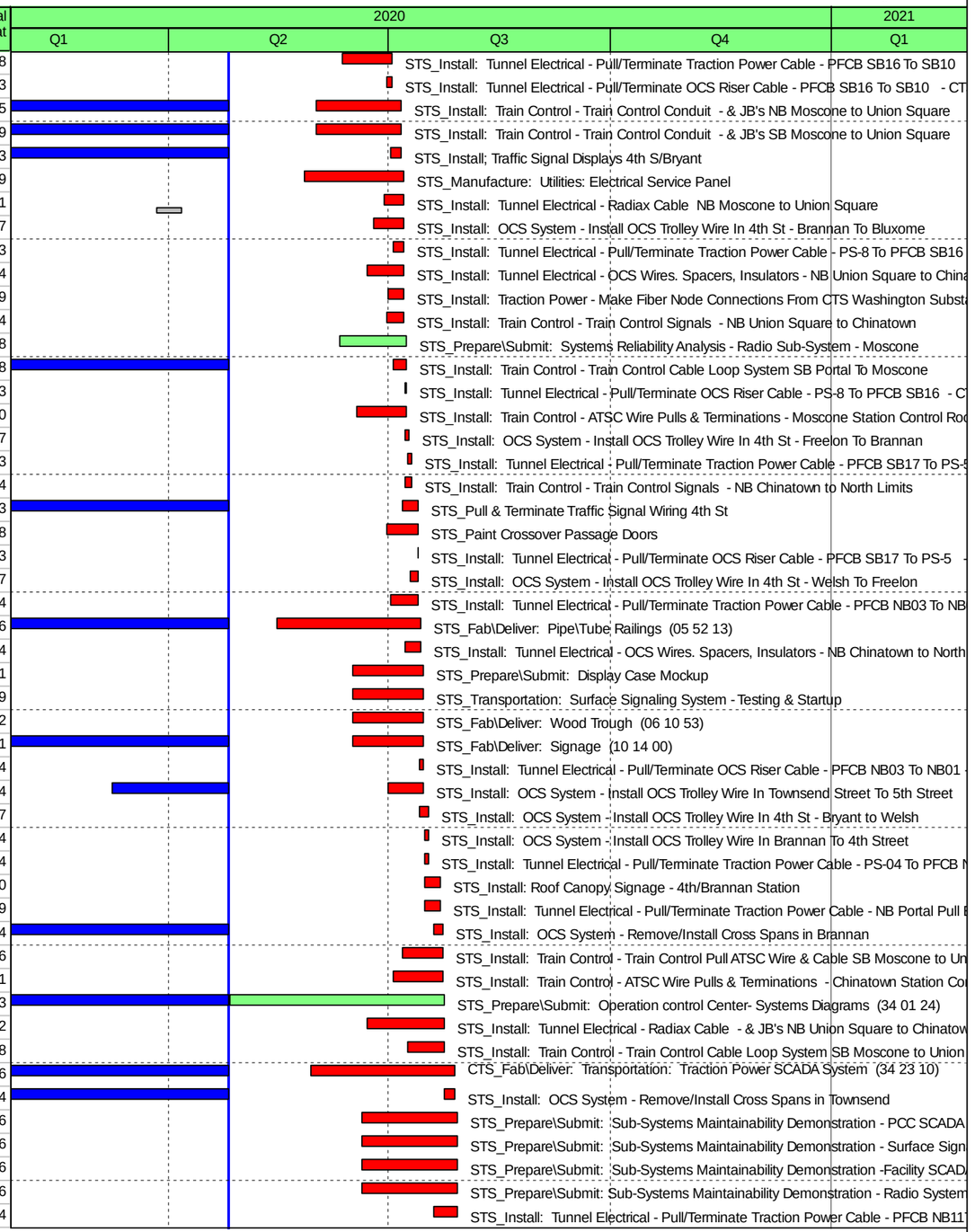
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
STS.34.23.1950	STS_Install: Tunnel Electrical - OCS Steady Arm Assemblies - NB Union Square to Chinatown	7	29-May-20	08-Jun-20	-325
STS.34.23.1960	STS_Install: Tunnel Electrical - OCS Steady Arm Assemblies - NB Chinatown to North Limits	5	02-Jun-20	08-Jun-20	-243
STS.28.20.1690	STS_Install: Tunnel Electrical - CCTV Conduit - & JB's SB Union Square to Chinatown	5	17-Feb-20 A	08-Jun-20	-255
STS.34.22.2980	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB SB09 To SB05 - UMS To	10	26-May-20	08-Jun-20	-288
STS 34 42 37 c	STS_Fab\Deliver: Transportation: ATCS Wayside Equipment (34 42 37)	180	14-Apr-16 A	09-Jun-20	-378
STS.26.05.1660	STS_Install: Tunnel Electrical - Electrical Lighting Conduit & JB's - SB Union Square to Chinatown	26	02-Jul-18 A	09-Jun-20	191
STS.34.22.3160	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PS-06 To PFCB SB09 - UMS Sou	1	09-Jun-20	09-Jun-20	-288
STS.28.20.1720	STS_Install: Tunnel Electrical - CCTV Cameras - NB Portal To Moscone	2	08-Jun-20	09-Jun-20	-253
STS.26.05.2070	STS_Install: Traction Power - Remove Existing Mimic Panel Equipment @ PCC	5	03-Jun-20	09-Jun-20	-259
STS.26.05.1280	STS_Install: Tunnel Electrical - Unistrut For Conduit & Signal Supports - SB Chinatown to North Limit	7	24-Apr-20 A	09-Jun-20	-247
STS.34.42.1250	STS_Install: Train Control - Axle Counter Electronics Boxes/Track Heads NB Union Square to Chinat	6	02-Jun-20	10-Jun-20	-241
STS.34.41.2040	STS_Install; Traffic Signal Controllers 4th St	11	09-Oct-17 A	10-Jun-20	-263
STS 27 32 10 d1	STS_Prepare\Submit: Comm: Radio System Calculations & Certifications	20	22-May-20	10-Jun-20	222
STS.34.42.1720	STS_Install: Train Control - Train Control Signals - SB Union Square to Chinatown	6	03-Jun-20	10-Jun-20	-255
STS.34.22.2970	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PS-06 To PFCB SB09 - UMS	2	09-Jun-20	10-Jun-20	-288
STS.34.23.1900	STS_Install: Tunnel Electrical - OCS Wires. Spacers, Insulators - SB Moscone to Union Square	14	22-May-20	10-Jun-20	-252
STS.34.42.2020	STS_Install: Train Control - ATSC Emergency Feed In Device - Moscone Station Control Room	3	08-Jun-20	10-Jun-20	-260
STS.34.42.1620	STS_Install: Train Control - Axle Counter Electronics Boxes/Track Heads NB Chinatown to North Limi	1	10-Jun-20	11-Jun-20	-241
STS.34.22.3150	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB SB10 To PS-03 - UMS Nort	1	11-Jun-20	11-Jun-20	-288
STS.26.05.2000	STS_Install: Tunnel Electrical - Emerg Tel/SFFD Tel/Blue Lights - NB Chinatown to North Limits	2	10-Jun-20	11-Jun-20	-243
STS.28.20.1760	STS_Install: Tunnel Electrical - CCTV Pull Wire & Terminate NB Portal To Moscone	2	10-Jun-20	11-Jun-20	-246
STS.28.20.1810	STS_Install: Tunnel Electrical - CCTV Cameras - SB Chinatown to North Limits	2	10-Jun-20	11-Jun-20	-242
STS.34.42.0500	STS_Install: Security - NB Portal Intrusion Devices	2	10-Jun-20	11-Jun-20	-264
STS.34.42.0520	STS_Install: Train Control - NB Switch Machines @ Chinatown Crossover	2	24-Jan-17 A	11-Jun-20	-241
STS.28.20.1970	STS_Install: - SCADA Terminations YBM Communications Rm	10	01-Jun-20	12-Jun-20	-242
STS 08 99 00 c	STS_Fab\Deliver: Glass Windscreens (08 99 00)	120	17-Jun-15 A	14-Jun-20	-333
STS.34.42.1350	STS_Install: Train Control - Train Control Signals - SB Chinatown to North Limits	3	11-Jun-20	15-Jun-20	-245
STS.34.22.2960	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB SB10 To PS-03 - UMS	2	12-Jun-20	15-Jun-20	-288
STS.26.05.1290	STS_Install: Tunnel Electrical - Electrical Lighting Conduit & JB's - SB Chinatown to North Limits	4	10-Jun-20	15-Jun-20	192
STS.34.42.2010	STS_Install: Train Control - ATSC Feed In Device - Moscone Station Control Room	3	11-Jun-20	15-Jun-20	-260
STS.34.42.2040	STS_Install: Train Control - ATSC Power Panels - Moscone Station Control Room	3	11-Jun-20	15-Jun-20	-260
STS.26.05.3800	STS_Install: Tunnel Electrical - Pull & Terminate Emerg Tel/SFFD Tel/Blue Lights - NB Chinatown to	2	12-Jun-20	15-Jun-20	-243
STS.26.05.3880	STS_Install: Tunnel Electrical - Pull/Terminate Power & Lighting - SB Union Square to Chinatown	5	10-Jun-20	16-Jun-20	191
STS.28.20.1730	STS_Install: Tunnel Electrical - CCTV Cameras - NB Moscone to Union Square	5	10-Jun-20	16-Jun-20	-253
STS.26.05.2080	STS_Install: Traction Power - New Equipment Display Rack @ PCC	5	10-Jun-20	16-Jun-20	-259
STS.34.41.1990	STS_Demo/Salvage; Traffic Signals 4th St	15	17-Apr-17 A	17-Jun-20	-263
STS.20.71.190	STS_Prepare\Submit: Systems Reliability Analysis - Radio Sub-System - Chinatown	5	11-Jun-20	17-Jun-20	173
STS.20.71.200	STS_Prepare\Submit: Systems Reliability Analysis - Radio Sub-System - UMS	5	11-Jun-20	17-Jun-20	173
STS.26.05.1750	STS_Install: Tunnel Electrical - Emerg Tel/SFFD Tel/Blue Lights - SB Union Square to Chinatown	3	15-Jun-20	17-Jun-20	-248
STS.34.42.2030	STS_Install: Train Control - ATSC Transformer - Moscone Station Control Room	2	16-Jun-20	17-Jun-20	-260
STS.27.42.100	STS_Install: Comm: Platform Display System (27 42 16)	15	12-Aug-19 A	17-Jun-20	-245
STS.28.20.1770	STS_Install: Tunnel Electrical - CCTV Pull Wire & Terminate NB Moscone to Union Square	2	17-Jun-20	18-Jun-20	-249
STS 34.42.390	STS_Install: Transportation: ATCS Central Equipment - Lennox OCC	15	01-Jun-20	19-Jun-20	-247
STS 34.42.400	STS_Install: Transportation: ATCS Central Equipment - Transportation Mgmt Center (TMC)	15	01-Jun-20	19-Jun-20	-247
STS.26.05.3890	STS_Install: Tunnel Electrical - Pull/Terminate Power & Lighting - SB Chinatown to North Limits	3	17-Jun-20	19-Jun-20	191
STS.34.23.1850	STS_Install: Tunnel Electrical - OCS Wires. Spacers, Insulators - NB Moscone to Union Square	14	02-Jun-20	19-Jun-20	-334
STS.34.23.1920	STS_Install: Tunnel Electrical - OCS Wires. Spacers, Insulators - SB Union Square to Chinatown	12	04-Jun-20	19-Jun-20	-252
STS.34.42.0410	STS_Install: Train Control - Train Control Signals - NB Portal to Moscone	6	12-Jun-20	19-Jun-20	-264
STS 34 42 15 c	STS_Fab\Deliver: Transportation: Surface Signaling System - Wayside Equip (34 42 15)	180	26-Feb-15 A	20-Jun-20	-353
STS 22 14 29 c	STS_Fab\Deliver: Sump Pumps (22 14 29)	30	25-Aug-16 A	20-Jun-20	-359



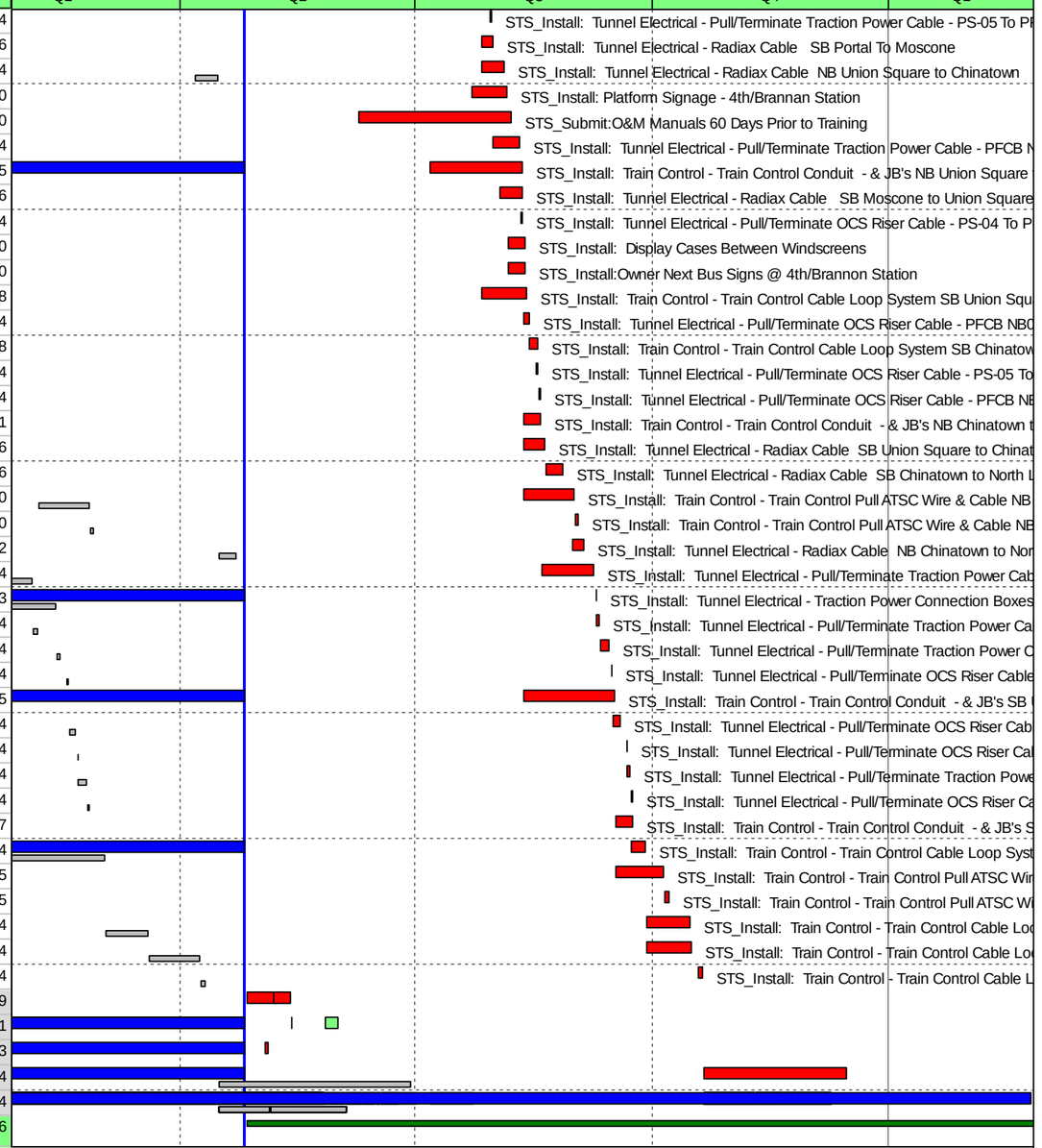
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
STS.34.23.2620	STS_Install: OCS System - Install OCS Trolley Wire & Special Work In 4th St/Townsend Street - Inte	17	29-May-20	22-Jun-20	-274
STS.26.05.3830	STS_Install: Tunnel Electrical - Pull & Terminate Emerg Tel/SFFD Tel/Blue Lights - SB Union Square t	3	18-Jun-20	22-Jun-20	-248
STS.26.05.2140	STS_Install: Traction Power - Make Fiber Node Connections From King SubStation @PCC (Fiber by	5	17-Jun-20	23-Jun-20	-259
STS.26.05.2090	STS_Install: Traction Power - Video Displays & Cabling @ PCC	10	10-Jun-20	23-Jun-20	-259
STS.26.05.2100	STS_Install: Traction Power - PCI & TP SCADA Servers @ PCC	10	10-Jun-20	23-Jun-20	-259
STS.26.05.2130	STS_Install: Traction Power - Make Fiber Node Connections From YBM Folsom SubStation @PCC	5	17-Jun-20	23-Jun-20	-259
STS.26.05.1310	STS_Install: Tunnel Electrical - Telephone Conduit - & JB's SB Chinatown to North Limits	7	15-Jun-20	23-Jun-20	-250
STS.34.41.2000	STS_Install; Traffic Signals 4th St	15	24-Apr-17 A	24-Jun-20	-263
STS 08 12 00 c	STS_Fab\Deliver: Blast Resistant Metal Doors\Frames (08 12 00)	60	26-Nov-19 A	24-Jun-20	-361
STS.34.23.2590	STS_Install: OCS System - Install OCS Trolley Wire In 4th St - Bluxome To Townsend	2	23-Jun-20	24-Jun-20	-257
STS.28.20.1740	STS_Install: Tunnel Electrical - CCTV Cameras - NB Union Square to Chinatown	6	17-Jun-20	24-Jun-20	-253
STS 32 17 26 c	STS_Fab\Deliver: Exterior: Tactile Warning Surfacing (32 17 26)	30	27-May-20	25-Jun-20	-323
STS.26.05.1380	STS_Install: Tunnel Electrical - Emerg Tel/SFFD Tel/Blue Lights - SB Chinatown to North Limits	2	24-Jun-20	25-Jun-20	-250
STS.27.32.1750	STS_Install: Tunnel Electrical - Radiax Cable NB Portal To Moscone	5	22-Jun-20	26-Jun-20	-271
STS.34.23.1890	STS_Install: Tunnel Electrical - OCS Wires. Spacers, Insulators - SB Chinatown to North Limits	5	22-Jun-20	26-Jun-20	-252
STS.08.44.0110	STS_Install: Platform Wind Screens - 4th/Brannan Station	10	15-Jun-20	26-Jun-20	-232
STS.28.20.1710	STS_Install: Tunnel Electrical - CCTV Cameras NB Chinatown to North Limits	2	25-Jun-20	26-Jun-20	-253
STS.28.20.1780	STS_Install: Tunnel Electrical - CCTV Pull Wire & Terminate NB Union Square to Chinatown	2	25-Jun-20	26-Jun-20	-253
STS.34.42.2530	STS_Install: Train Control - ATSC Wire Pulls & Terminations - Union Square Station Control Room	15	08-Jun-20	26-Jun-20	-252
STS.08.12.110	STS_Install: Blast Resistant Metal Doors\Frames NB Cross Passage #3	3	25-Jun-20	27-Jun-20	-361
STS.08.12.120	STS_Install: Blast Resistant Metal Doors\Frames NB Cross Passage #4	3	25-Jun-20	27-Jun-20	-361
STS.08.12.130	STS_Install: Blast Resistant Metal Doors\Frames NB Cross Passage #5	3	25-Jun-20	27-Jun-20	-361
STS.08.12.140	STS_Install: Blast Resistant Metal Doors\Frames SB Cross Passage #1	3	25-Jun-20	27-Jun-20	-361
STS.08.12.150	STS_Install: Blast Resistant Metal Doors\Frames SB Cross Passage #2	3	25-Jun-20	27-Jun-20	-304
STS.08.12.160	STS_Install: Blast Resistant Metal Doors\Frames SB Cross Passage #3	3	25-Jun-20	27-Jun-20	-361
STS.08.12.170	STS_Install: Blast Resistant Metal Doors\Frames SB Cross Passage #4	3	25-Jun-20	27-Jun-20	-361
STS.08.12.180	STS_Install: Blast Resistant Metal Doors\Frames SB Cross Passage #5	3	25-Jun-20	27-Jun-20	-361
STS.08.12.0100	STS_Install: Blast Resistant Metal Doors\Frames NB Cross Passage #1	5	25-Jun-20	29-Jun-20	-341
STS.08.12.0110	STS_Install: Blast Resistant Metal Doors\Frames NB Cross Passage #2	5	25-Jun-20	29-Jun-20	-306
STS.34.42.0790	STS_Install: Train Control - Train Control Signals - NB Moscone to Union Square	6	22-Jun-20	29-Jun-20	-264
STS.12.93.3530	STS_Install: Platform Backless Seating - 4th/Brannan Station	5	19-Mar-20 A	29-Jun-20	-228
STS.34.41.2130	STS_Install; Traffic Signal Displays 5th St/Brannan	3	25-Jun-20	29-Jun-20	-263
STS.28.20.1750	STS_Install: Tunnel Electrical - CCTV Pull Wire & Terminate NB Chinatown to North Limits	1	29-Jun-20	29-Jun-20	-253
STS.26.05.3840	STS_Install: Tunnel Electrical - Pull & Terminate Emerg Tel/SFFD Tel/Blue Lights - SB Chinatown to	2	26-Jun-20	29-Jun-20	-250
STS.34.01.24.150	STS_: PA/PDS: Operation control Center (34 01 24)	30	30-Jul-18 A	30-Jun-20	-364
STS.34.01.24.110	STS_: Testing Cutover: Operation control Center (34 01 24)	30	01-Jun-20	30-Jun-20	-364
STS.34.01.24.120	STS_: System Integration: Operation control Center (34 01 24)	30	01-Jun-20	30-Jun-20	-364
STS.34.01.24.140	STS_: ACT: Operation control Center (34 01 24)	30	01-Jun-20	30-Jun-20	-364
STS.34.01.24.160	STS_: FSS: Operation control Center (34 01 24)	30	06-May-19 A	30-Jun-20	-364
STS.34.01.24.170	STS_: CCTV & Access Control: Operation control Center (34 01 24)	30	01-Jun-20	30-Jun-20	-364
STS.34.01.24.180	STS_: Network Communication: Operation control Center (34 01 24)	30	01-Jun-20	30-Jun-20	-364
STS.34.01.24.190	STS_: Traction Power SCADA: Operation control Center (34 01 24)	30	01-Jun-20	30-Jun-20	-364
STS.34.01.24.200	STS_: AV Management: Operation control Center (34 01 24)	30	01-Jun-20	30-Jun-20	-364
STS.34.01.24.210	STS_: Integrated Human Machine Interface (IHMI) System: Operation control Center (34 01 24)	30	01-Jun-20	30-Jun-20	-364
STS.34.01.24.220	STS_: Elevator/ Escalator Remote Monitoring System: Operation control Center (34 01 24)	30	01-Jun-20	30-Jun-20	-364
STS.34.23.2640	STS_Install: OCS System - Install OCS Trolley Wire In 5th Street To Brannan	6	23-Jun-20	30-Jun-20	-274
STS.26.05.2120	STS_Install: Traction Power - Make Fiber Node Connections From UMS Gap Breaker Station @PCC	5	24-Jun-20	30-Jun-20	-259
STS.28.20.1320	STS_Install: Tunnel Electrical - CCTV Conduit - & JB's SB Chinatown to North Limits	16	09-Jun-20	30-Jun-20	-255
STS.34.41.2110	STS_Install; Traffic Signal Displays 4th St/Brannan	5	19-Jun-17 A	01-Jul-20	-263
STS.28.20.1850	STS_Install: Tunnel Electrical - CCTV Pull Wire & Terminate SB Chinatown to North Limits	1	01-Jul-20	01-Jul-20	-255



Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
STS.34.22.2950	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB SB16 To SB10 - CTS T	15	12-Jun-20	02-Jul-20	-288
STS.34.22.3140	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB SB16 To SB10 - CTS To UM	3	30-Jun-20	02-Jul-20	-263
STS.34.42.2260	STS_Install: Train Control - Train Control Conduit - & JB's NB Moscone to Union Square	13	12-Mar-18 A	06-Jul-20	-325
STS.34.42.2300	STS_Install: Train Control - Train Control Conduit - & JB's SB Moscone to Union Square	13	12-Mar-18 A	06-Jul-20	-299
STS.34.41.2010	STS_Install; Traffic Signal Displays 4th S/Bryant	6	07-Jan-19 A	06-Jul-20	-263
STS 33 71 73 a12	STS_Manufacture: Utilities: Electrical Service Panel	30	27-May-20	07-Jul-20	-259
STS.27.32.1760	STS_Install: Tunnel Electrical - Radiax Cable NB Moscone to Union Square	7	29-Jun-20	07-Jul-20	-271
STS.34.23.2580	STS_Install: OCS System - Install OCS Trolley Wire In 4th St - Brannan To Bluxome	9	25-Jun-20	07-Jul-20	-227
STS.34.22.2940	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PS-8 To PFCB SB16 - CTS So	3	03-Jul-20	07-Jul-20	-263
STS.34.23.1870	STS_Install: Tunnel Electrical - OCS Wires. Spacers, Insulators - NB Union Square to Chinatown	12	22-Jun-20	07-Jul-20	-334
STS.26.05.2110	STS_Install: Traction Power - Make Fiber Node Connections From CTS Washington Substation @ P	5	01-Jul-20	07-Jul-20	-259
STS.34.42.1170	STS_Install: Train Control - Train Control Signals - NB Union Square to Chinatown	6	30-Jun-20	07-Jul-20	-264
STS.20.71.210	STS_Prepare\Submit: Systems Reliability Analysis - Radio Sub-System - Moscone	20	11-Jun-20	08-Jul-20	158
STS.34.42.0580	STS_Install: Train Control - Train Control Cable Loop System SB Portal To Moscone	4	13-May-19 A	08-Jul-20	-288
STS.34.22.3130	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PS-8 To PFCB SB16 - CTS South	1	08-Jul-20	08-Jul-20	-263
STS.34.42.2540	STS_Install: Train Control - ATSC Wire Pulls & Terminations - Moscone Station Control Room	15	18-Jun-20	08-Jul-20	-260
STS.34.23.2570	STS_Install: OCS System - Install OCS Trolley Wire In 4th St - Freelon To Brannan	2	08-Jul-20	09-Jul-20	-227
STS.34.22.2930	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB SB17 To PS-5 - Chinat	2	09-Jul-20	10-Jul-20	-263
STS.34.42.1540	STS_Install: Train Control - Train Control Signals - NB Chinatown to North Limits	3	08-Jul-20	10-Jul-20	-264
STS.34.41.2030	STS_Pull & Terminate Traffic Signal Wiring 4th St	16	24-Apr-17 A	13-Jul-20	-263
STS 09 90 00 c12	STS_Paint Crossover Passage Doors	10	30-Jun-20	13-Jul-20	-238
STS.34.22.3120	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB SB17 To PS-5 - Chinatown	1	13-Jul-20	13-Jul-20	-263
STS.34.23.2560	STS_Install: OCS System - Install OCS Trolley Wire In 4th St - Welsh To Freelon	2	10-Jul-20	13-Jul-20	-227
STS.34.22.2900	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB03 To NB01 - MOS To	8	02-Jul-20	13-Jul-20	-334
STS 05 52 13 c	STS_Fab\Deliver: Pipe\Tube Railings (05 52 13)	180	04-Sep-14 A	14-Jul-20	-356
STS.34.23.1840	STS_Install: Tunnel Electrical - OCS Wires. Spacers, Insulators - NB Chinatown to North Limits	5	08-Jul-20	14-Jul-20	-264
STS 10 41 00 d1	STS_Prepare\Submit: Display Case Mockup	30	16-Jun-20	15-Jul-20	-371
STS.34.42.100	STS_Transportation: Surface Signaling System - Testing & Startup	30	16-Jun-20	15-Jul-20	-379
STS 06 10 53 c	STS_Fab\Deliver: Wood Trough (06 10 53)	30	16-Jun-20	15-Jul-20	-322
STS 10 14 00 c	STS_Fab\Deliver: Signage (10 14 00)	30	12-Apr-19 A	15-Jul-20	-371
STS.34.22.3090	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB03 To NB01 - MOS To Por	2	14-Jul-20	15-Jul-20	-334
STS.34.23.2630	STS_Install: OCS System - Install OCS Trolley Wire In Townsend Street To 5th Street	11	09-Mar-20 A	15-Jul-20	-274
STS.34.23.2550	STS_Install: OCS System - Install OCS Trolley Wire In 4th St - Bryant to Welsh	4	14-Jul-20	17-Jul-20	-227
STS.34.23.2650	STS_Install: OCS System - Install OCS Trolley Wire In Brannan To 4th Street	2	16-Jul-20	17-Jul-20	-274
STS.34.22.2880	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PS-04 To PFCB NB11 - UMS	2	16-Jul-20	17-Jul-20	-334
STS.10.14.3510	STS_Install: Roof Canopy Signage - 4th/Brannan Station	5	16-Jul-20	22-Jul-20	-260
STS.34.22.3280	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - NB Portal Pull Box To MH1890	5	16-Jul-20	22-Jul-20	-329
STS.34.23.3700	STS_Install: OCS System - Remove/Install Cross Spans in Brannan	4	30-Dec-19 A	23-Jul-20	-274
STS.34.42.2340	STS_Install: Train Control - Train Control Pull ATSC Wire & Cable SB Moscone to Union Square	13	07-Jul-20	23-Jul-20	-286
STS.34.42.2520	STS_Install: Train Control - ATSC Wire Pulls & Terminations - Chinatown Station Control Room	15	03-Jul-20	23-Jul-20	-271
STS 34 01 24 a30	STS_Prepare\Submit: Operation control Center- Systems Diagrams (34 01 24)	90	26-May-19 A	24-Jul-20	213
STS.27.32.1180	STS_Install: Tunnel Electrical - Radiax Cable - & JB's NB Union Square to Chinatown	25	22-Jun-20	24-Jul-20	-302
STS.34.42.0960	STS_Install: Train Control - Train Control Cable Loop System SB Moscone to Union Square	12	09-Jul-20	24-Jul-20	-288
\	CTS_Fab\Deliver: Transportation: Traction Power SCADA System (34 23 10)	180	14-May-14 A	28-Jul-20	-386
STS.34.23.3710	STS_Install: OCS System - Remove/Install Cross Spans in Townsend	3	30-Dec-19 A	28-Jul-20	-274
STS.20.71.515	STS_Prepare\Submit: Sub-Systems Maintainability Demonstration - PCC SCADA Equipment	40	20-Jun-20	29-Jul-20	-386
STS.20.71.525	STS_Prepare\Submit: Sub-Systems Maintainability Demonstration - Surface Signalling Systems	40	20-Jun-20	29-Jul-20	-386
STS.20.71.535	STS_Prepare\Submit: Sub-Systems Maintainability Demonstration -Facility SCADA Systems (FSS)	40	20-Jun-20	29-Jul-20	-386
STS.20.71.575	STS_Prepare\Submit: Sub-Systems Maintainability Demonstration - Radio System	40	20-Jun-20	29-Jul-20	-386
STS.34.22.2890	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB11To NB04 - UMS To	8	20-Jul-20	29-Jul-20	-334



Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
STS.34.22.2910	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PS-05 To PFCB NB10 - UMS	1	30-Jul-20	30-Jul-20	-334
STS.27.32.1790	STS_Install: Tunnel Electrical - Radiax Cable SB Portal To Moscone	5	27-Jul-20	31-Jul-20	-256
STS.27.32.1770	STS_Install: Tunnel Electrical - Radiax Cable NB Union Square to Chinatown	7	27-Jul-20	04-Aug-20	-284
STS.10.14.3520	STS_Install: Platform Signage - 4th/Brannan Station	10	23-Jul-20	05-Aug-20	-260
STS 01 79 00 c2	STS_Submit:O&M Manuals 60 Days Prior to Training	60	09-Jun-20	07-Aug-20	-380
STS.34.22.2920	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB10 To NB06 - UMS To	7	31-Jul-20	10-Aug-20	-334
STS.34.42.2280	STS_Install: Train Control - Train Control Conduit - & JB's NB Union Square to Chinatown	14	20-Apr-16 A	11-Aug-20	-325
STS.27.32.1800	STS_Install: Tunnel Electrical - Radiax Cable SB Moscone to Union Square	7	03-Aug-20	11-Aug-20	-256
STS.34.22.3070	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PS-04 To PFCB NB11 - UMS Sout	1	11-Aug-20	11-Aug-20	-334
STS.10.41.100	STS_Install: Display Cases Between Windscreens	5	06-Aug-20	12-Aug-20	-260
STS.01.64.100	STS_Install:Owner Next Bus Signs @ 4th/Brannon Station	5	06-Aug-20	12-Aug-20	-260
STS.34.42.1700	STS_Install: Train Control - Train Control Cable Loop System SB Union Square to Chinatown	14	27-Jul-20	13-Aug-20	-288
STS.34.22.3080	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB05 To NB04 - UMS To MC	3	12-Aug-20	14-Aug-20	-334
STS.34.42.1330	STS_Install: Train Control - Train Control Cable Loop System SB Chinatown to North Limits	2	14-Aug-20	17-Aug-20	-288
STS.34.22.3100	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PS-05 To PFCB NB10 - UMS Sou	1	17-Aug-20	17-Aug-20	-334
STS.34.22.3110	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB10 To NB06 - UMS To MC	1	18-Aug-20	18-Aug-20	-334
STS.34.42.2250	STS_Install: Train Control - Train Control Conduit - & JB's NB Chinatown to North Limits	5	12-Aug-20	18-Aug-20	-291
STS.27.32.1780	STS_Install: Tunnel Electrical - Radiax Cable SB Union Square to Chinatown	7	12-Aug-20	20-Aug-20	-256
STS.27.32.1810	STS_Install: Tunnel Electrical - Radiax Cable SB Chinatown to North Limits	5	21-Aug-20	27-Aug-20	-256
STS.34.42.2390	STS_Install: Train Control - Train Control Pull ATSC Wire & Cable NB Union Square to Chinatown	14	12-Aug-20	31-Aug-20	-300
STS.34.42.2400	STS_Install: Train Control - Train Control Pull ATSC Wire & Cable NB Chinatown to North Limits	2	01-Sep-20	02-Sep-20	-300
STS.27.32.1740	STS_Install: Tunnel Electrical - Radiax Cable NB Chinatown to North Limits	5	31-Aug-20	04-Sep-20	-302
STS.34.22.2860	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB18 To NB12 - CTS T	15	19-Aug-20	08-Sep-20	-334
STS.26.05.0785	STS_Install: Tunnel Electrical - Traction Power Connection Boxes/OCS Risers NB12 To NB18 - NB U	7	06-May-19 A	09-Sep-20	-333
STS.34.22.2870	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB12 To PS-01 - UMS	2	09-Sep-20	10-Sep-20	-334
STS.34.22.2850	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PS-10 To PFCB NB18 - CTS S	2	11-Sep-20	14-Sep-20	-334
STS.34.22.3040	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PS-10 To PFCB NB18 - CTS South	1	15-Sep-20	15-Sep-20	-334
STS.34.42.2320	STS_Install: Train Control - Train Control Conduit - & JB's SB Union Square to Chinatown	14	21-Apr-16 A	16-Sep-20	-325
STS.34.22.3050	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB18 To NB12 - CTS To UM	3	16-Sep-20	18-Sep-20	-334
STS.34.22.3060	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB12 To PS-01 - UMS North	1	21-Sep-20	21-Sep-20	-334
STS.34.22.2840	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB19 To PS-06 - China	2	21-Sep-20	22-Sep-20	-334
STS.34.22.3030	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB19 To PS-06 - Chinatown	1	23-Sep-20	23-Sep-20	-334
STS.34.42.2290	STS_Install: Train Control - Train Control Conduit - & JB's SB Chinatown to North Limits	5	17-Sep-20	23-Sep-20	-317
STS.34.42.0390	STS_Install: Train Control - Train Control Cable Loop System NB Portal To Moscone	4	13-May-19 A	28-Sep-20	-334
STS.34.42.2360	STS_Install: Train Control - Train Control Pull ATSC Wire & Cable SB Union Square to Chinatown	13	17-Sep-20	05-Oct-20	-325
STS.34.42.2350	STS_Install: Train Control - Train Control Pull ATSC Wire & Cable SB Chinatown to North Limits	2	06-Oct-20	07-Oct-20	-325
STS.34.42.0770	STS_Install: Train Control - Train Control Cable Loop System NB Moscone to Union Square	13	29-Sep-20	15-Oct-20	-334
STS.34.42.1150	STS_Install: Train Control - Train Control Cable Loop System NB Union Square to Chinatown	14	29-Sep-20	16-Oct-20	-334
STS.34.42.1520	STS_Install: Train Control - Train Control Cable Loop System NB Chinatown to North Limits	2	19-Oct-20	20-Oct-20	-334
Electrical - Transportation		13	27-Apr-20	13-May-20	-179
Trackwork		353	14-Dec-17 A	01-Jun-20	201
Track System Work		120	06-Jun-16 A	05-May-20	-233
Startup & Testing		40	14-Jan-20 A	15-Dec-20	-334
No 13-Disp		1743	13-Jan-14 A	25-Feb-21	64
Unallocated Contingency		350	27-Apr-20	15-Sep-21	-326



central T subway

Connecting people. Connecting communities.

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%

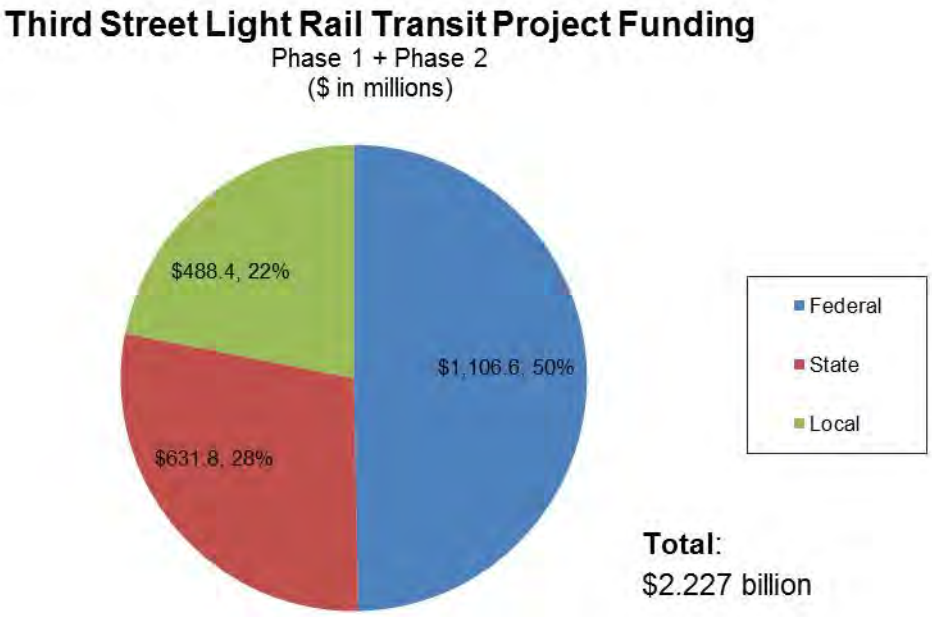
All amounts in millions of dollars

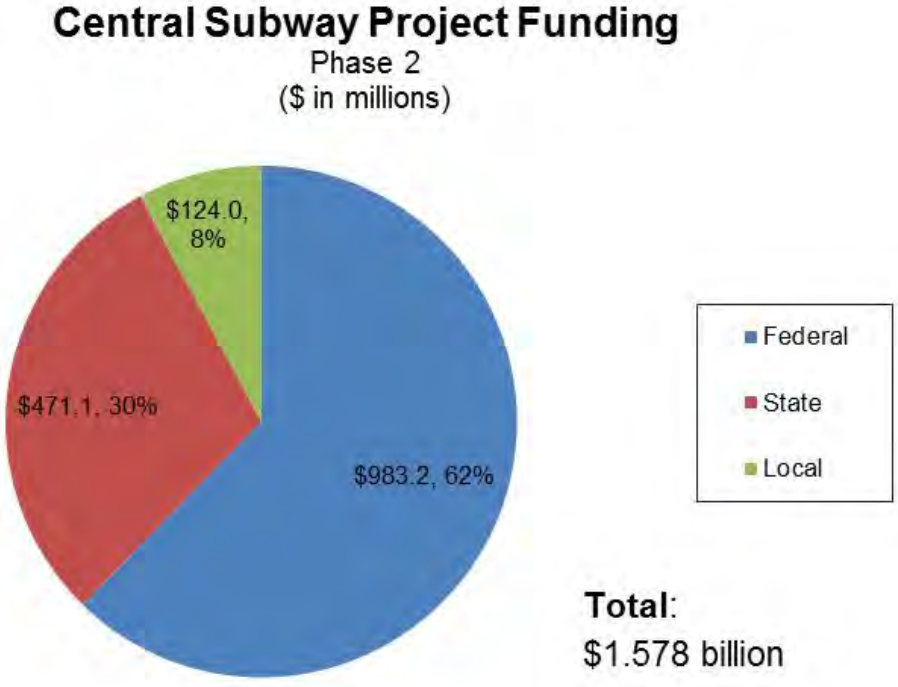
The six charts that follow summarize use of fund sources by phase and with the addition of the retrieval shaft relocation additional budget and funding:

- 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.

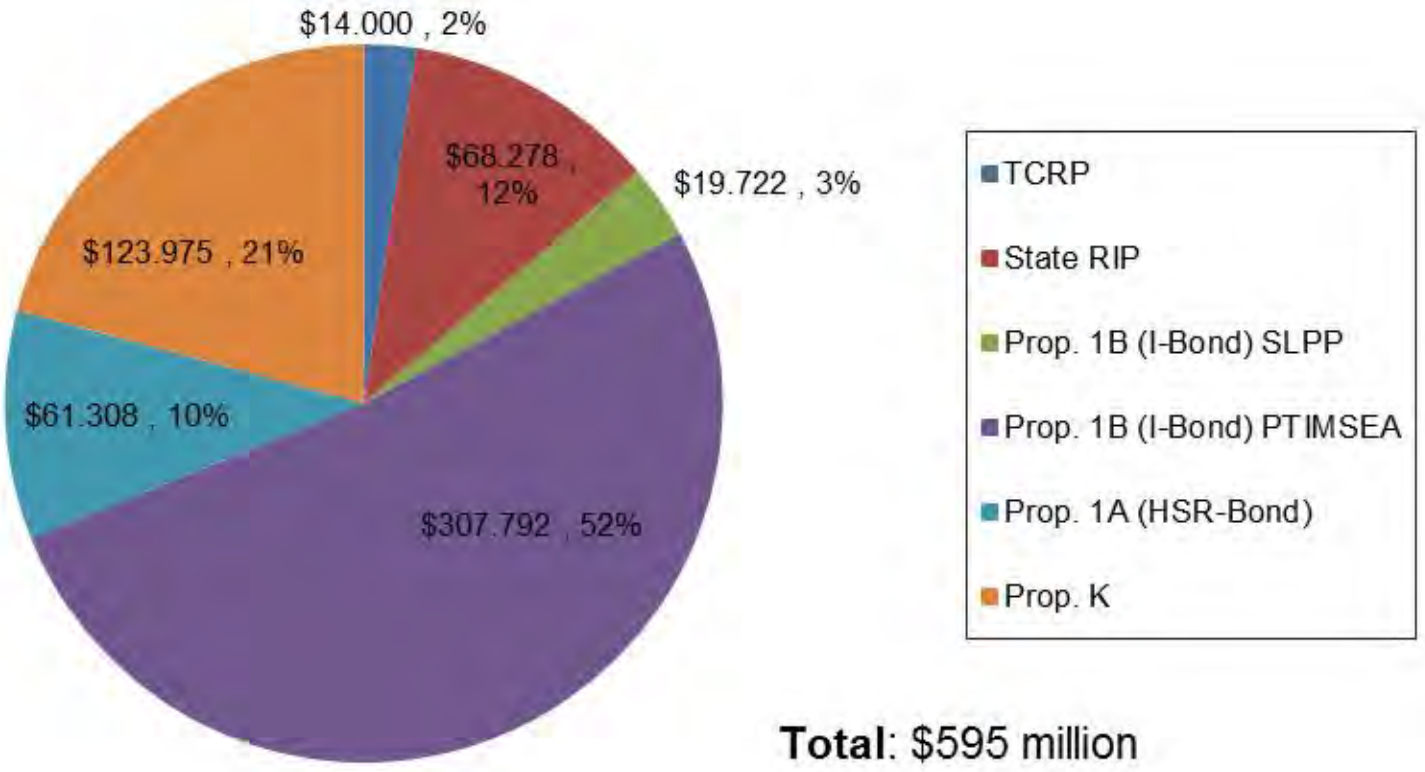




State and Local Funding

Phase 2

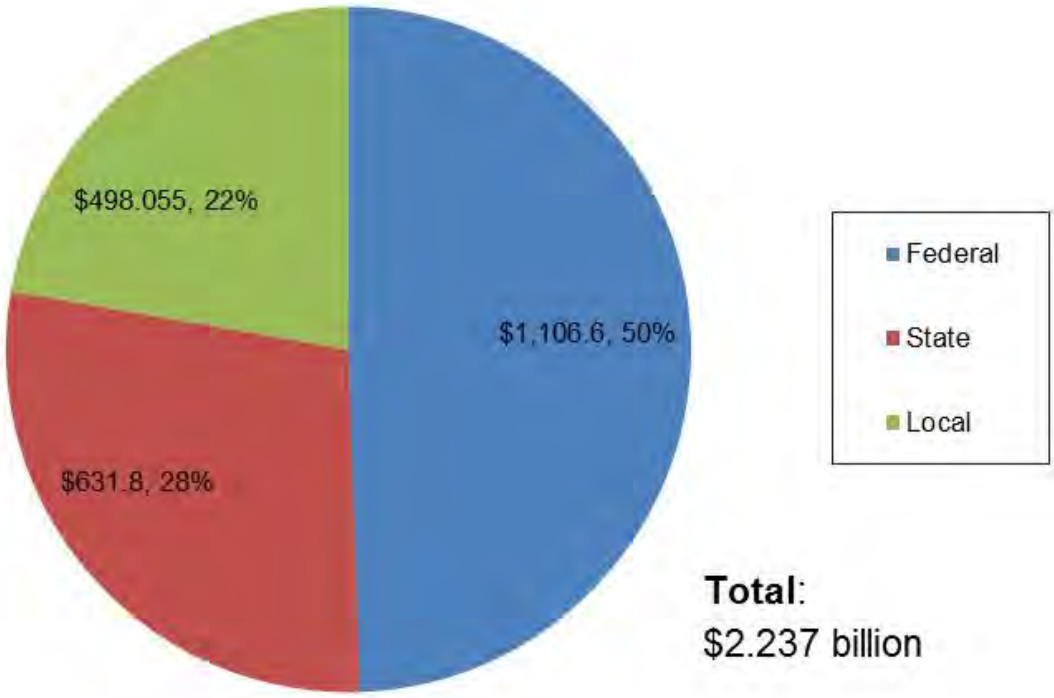
($ in millions)



Total: $595 million

Third Street Light Rail Transit Project Funding

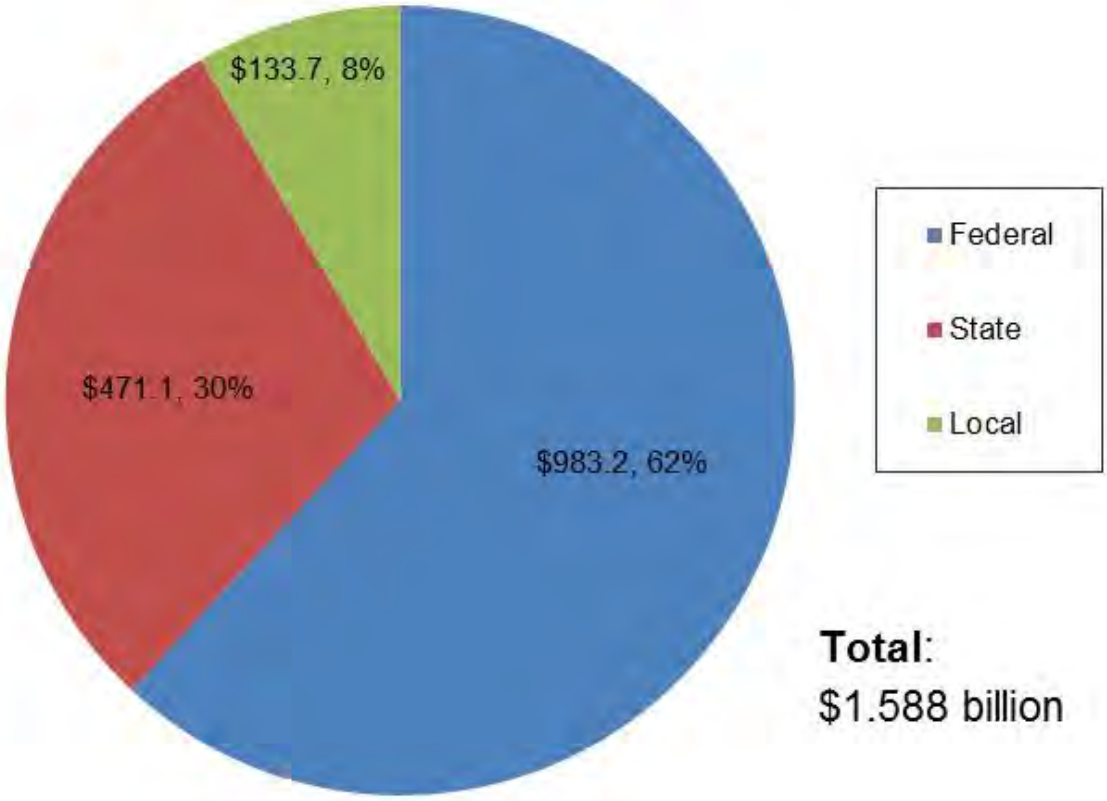
Phase 1 + Phase 2 + Retrieval Shaft Relocation
($ in millions)



Total:
$2.237 billion

Central Subway Project Funding

Phase 2 + Retrieval Shaft Relocation
($ in millions)

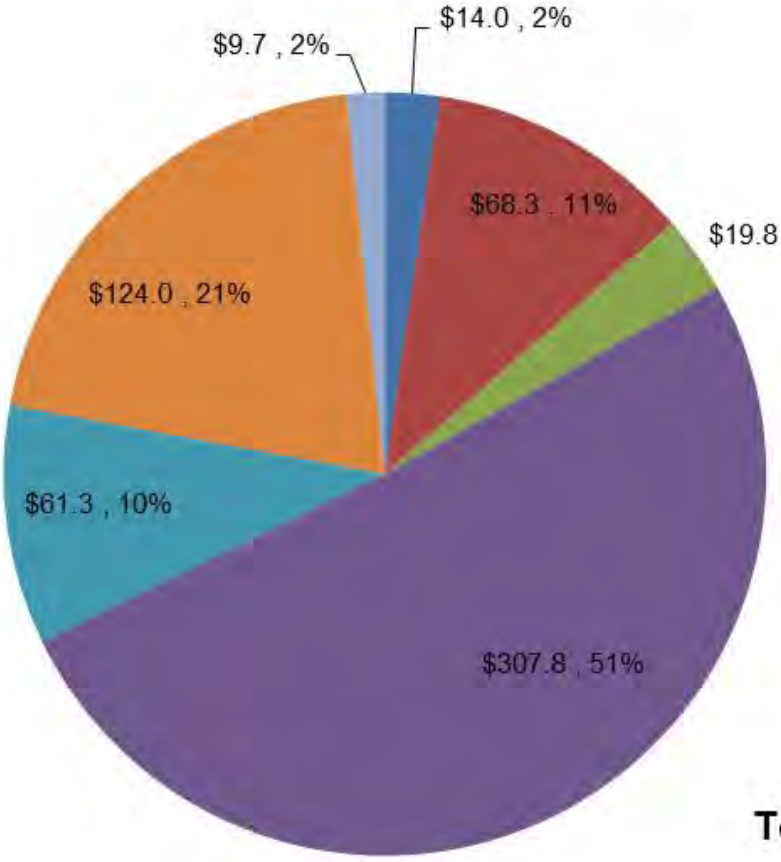


Total:
$1.588 billion

State and Local Funding

Phase 2 + Retrieval Shaft Relocation

($ in millions)



Total: $604.8 million

central T subway

Connecting people. Connecting communities.

Appendix D

COMPLETED CONTRACTS

Moscone Station and Portal Utility Relocation

Contract 1250

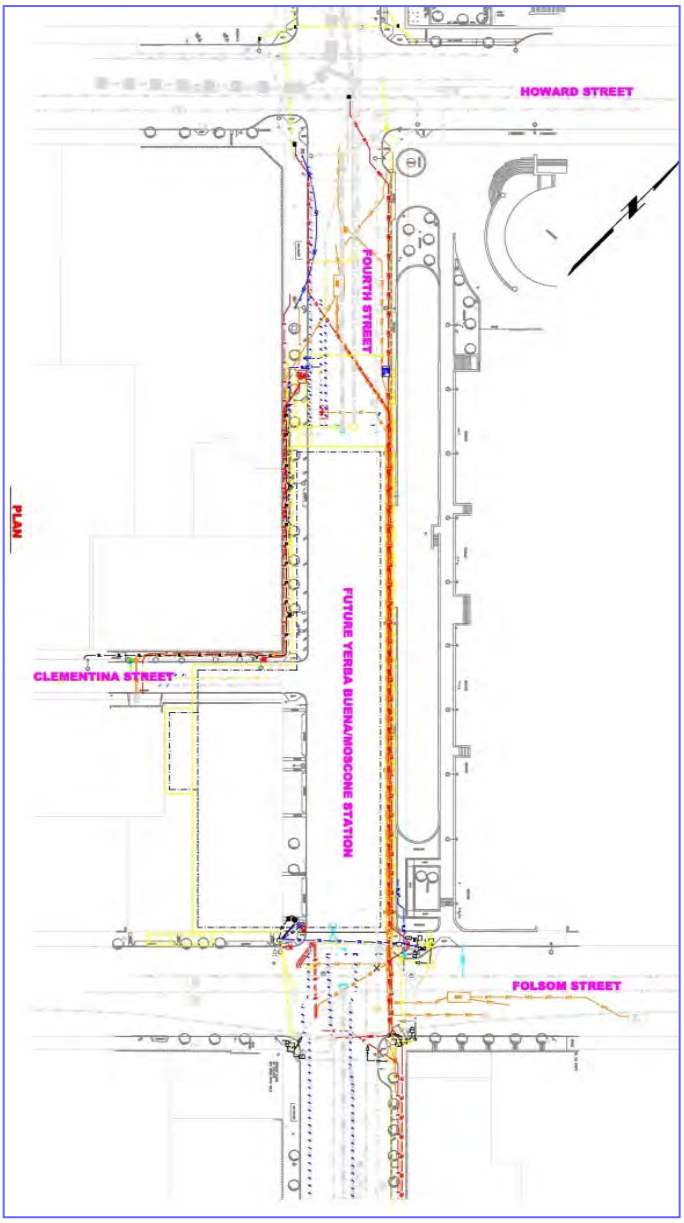
Contractor: Synergy Project Management, Inc.

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

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.



Status

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

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)**

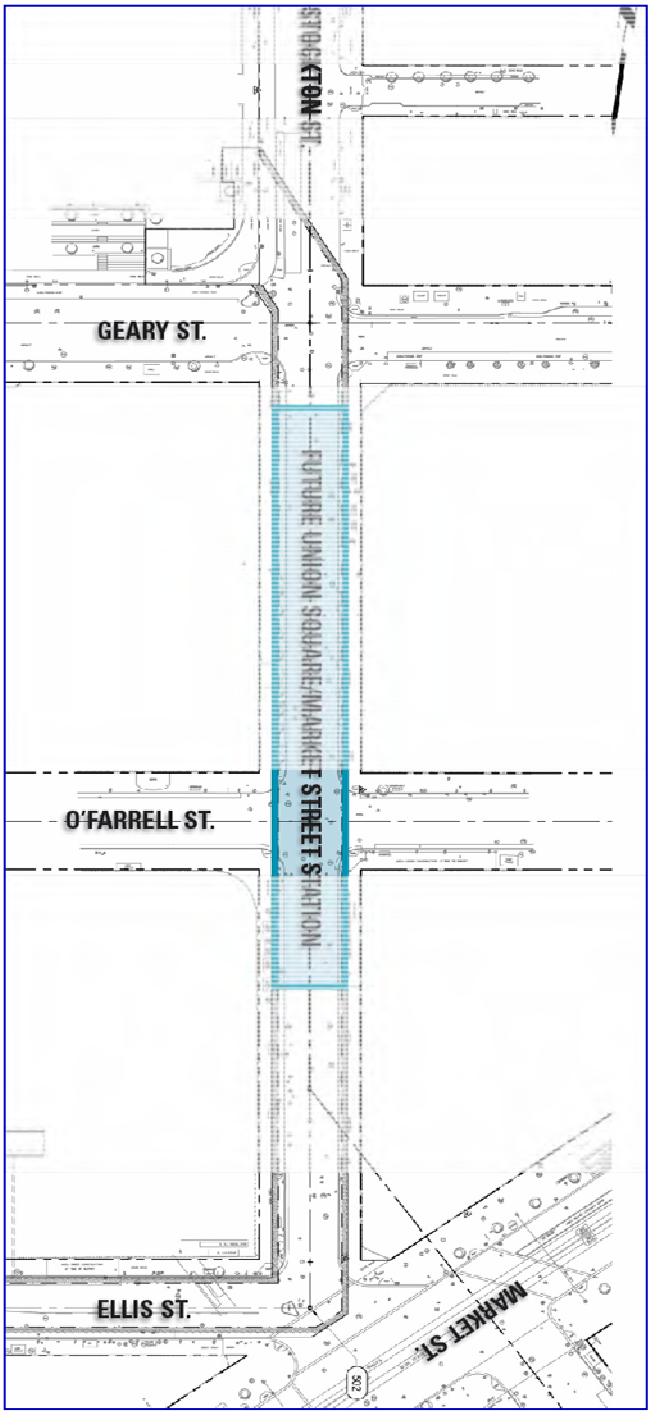
Contract Details	
Contract Awarded:	December 7, 2010
Notice to Proceed:	January 12, 2011
Substantial Completion:	August 16, 2012
Contract Award Value:	$16,832,550
Modifications Final:	$3,836,531
Final Contract Value:	$20,669,081

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**

central T subway

Connecting people. Connecting communities.

Appendix E

SBE PARTICIPATION

Quarterly Report

Current Report: October 2019 – December 2019

central T subway

Connecting people. Connecting communities.

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 December 31, 2019.[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 2019
CS Program SBE Summary Table for Professional Services and Construction Contracts

				A	B	C	D	E	F	G
	Contract No.	Contractor	Services/Segment	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	$97.72	30%	$85.75	32.4%	$29.31	$27.77	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	$47.90	30%	$43.70	31.6%	$14.37	$13.81	36.4%
5	**155-3**	HNTB, Inc.- B&C	Systems, Track & Surface Station Design	$17.23	30%	$15.99	25.3%	$5.17	$4.05	30.0%
	Subtotal Professional Services			***$187.90***		***$163.46***		***$55.69***	***$50.97***	
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	878.92	20%	$777.16	21.6%	$175.78	$167.76	25.5%
	Subtotal Construction Contracts			***$1,152.21***		***$1,050.45***		***$197.36***	***$212.01***	
	Contract	Contractor	Services/Segment	Base Contract	SFMTA Goal	Expenditures	SBE Actual	= A * B	= C * D	Bid Goal
				A	B	C	D	E	F	G

SBE Summary Table Notes and Sources:

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

The SFMTA SBE Contract Goals are also on the Central Subway web site under the listing of on-going contracts – see "**Closed and Awarded Contracts"** at this link: http://centralsubwaysf.com/content/closed-and-awarded-contracts

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

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

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

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

The source of the SBE Actual percent to date and dollar amounts are Progress Payment

[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").

Applications and Contractor's monthly submittals that may include the current estimated accruals. The BIH SBE percent is from the contractor's progress payment #40, Form 6.

c) Column G, the Contractor's SBE Goal in the submitted bid, is background information that is not calculated in the table. The table source of the Contractor's SBE Goals is from the SFMTA Contract Compliance Office. A Contractor's SBE goal in the bid is one source used by SFMTA Contract Compliance to assess and propose the Agency's SBE goal for a contract.

d) The three constructions contracts shown in **bold type, 1250, 1251 and 1277,** with gray background, are completed contracts. Little to no changes will be shown in future reports.

e) The SBE Hill International Actual to Date SBE participation is 29.3% for the overall SFMTA contract. The Hill International data is for the Central Subway Task 1 portion of the Hill International contract to provide SFMTA Project Controls services and systems.

f) The SBE SFMTA goal for Contract 1300 Tutor-Perini is 20% SBE with a provision of 50% for trucking.

The 1300 Tutor-Perini SBE percent Actual is based on the SBE data provided in Progress Payment #73 December 2019, 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.

central T subway

Connecting people. Connecting communities.

Active Professional Services Contracts - SBE Participation Details

As of: 12/31/2019

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	$97,715,988
	Expended to Date (est.)	88,563,203
	% Expended	90.6%
	SBE SFMTA Goal	30.0%
	SBE Participation	31.7%

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 Stations.**	
Contract No.	**CS-155-2 Central Subway Design Group***	
Status:	Design is completed. Construction support ongoing	
	Base Contract Value	$39,949,948
	Approved Change Orders (4)	$7,950,658
	Current Contract Value	$47,900,606
	Expended to Date (est.)	$46,240,867
	% Expended	96.5%
	SBE SFMTA Goal	30.0%
	SBE Participation	30.0%

Contract:	**DP 3 Systems, Track work, Surface station.**	
Contract No.	**CS-155-3 HNTB-B&C***	
Status:	Design is completed. Construction support ongoing	
	Base Contract Value	$16,864,250
	Approved Change Orders (9)	$368,002
	Current Contract Value	$17,232,252
	Expended to Date (est.)	16,658,839
	% Expended	96.7%
	SBE SFMTA Goal	30.0%
	SBE Participation	25.2%

* denotes accrual

central T subway

Connecting people. Connecting communities.

Active and Completed Construction Contracts - SBE Participation Details

Data as of: 12/31/2019

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	$48,604,326
	Current Contract Value	$888,280,726
	Expended to Date (est.)	$814,071,152
	% Expended	91.6%
	SBE SFMTA Goal	20.0%
	SBE Participation To Date	20.0%

Photos on the next page:

(top to bottom) December 2019: At Chinatown Station, initial segments of escalators have been lowered into the Concourse level's future lobby area. Permanent light has been installed across struts above the platform area for Union Square Market Street Station. At Yerba Buena/Moscone Station, steel plates are adjusted for installation at the bottom of the concourse-to-platform escalators. Tracks and the surrounding concrete rail bed have been installed across the 4th and Brannan intersection at Surface, Track, and Systems.

central T subway

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

www.centralsubwaysf.com

www.twitter.com/central_subway

www.facebook.com/centralsubway

www.centralsubwayblog.com

www.youtube.com/municentralsubwaysf

www.flickr.com/municentralsubway

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

SFMTA

Certificate Of Completion

Envelope Id: 3A671AB1E48D423CB93EB28DA6CFFE4B
Status: Completed
Subject: Please DocuSign: CS Transmittal 2594 April 2020 Monthly Progress Report unsigned.pdf
Source Envelope:
Document Pages: 132
Signatures: 1
Envelope Originator:
Certificate Pages: 2
Initials: 0
Dorothy Lin
AutoNav: Enabled
1 South Van Ness, 3rd Floor
EnvelopeId Stamping: Disabled
San Francisco, CA 94103
Time Zone: (UTC-08:00) Pacific Time (US & Canada)
Dorothy.Lin@sfmta.com
IP Address: 75.10.236.9

Record Tracking

Status: Original
5/29/2020 12:36:03 PM
Holder: Dorothy Lin
Dorothy.Lin@sfmta.com
Location: DocuSign

Signer Events	Signature	Timestamp
Nadeem Tahir nadeem.tahir@sfmta.com CCSF - MTA - Municipal Transportation Security Level: Email, Account Authentication (None)	Nadeem Tahir Signature Adoption: Pre-selected Style Using IP Address: 73.92.173.198	Sent: 5/29/2020 12:38:48 PM Viewed: 6/1/2020 11:37:40 AM Signed: 6/1/2020 11:53:38 AM

Electronic Record and Signature Disclosure:
Not Offered via DocuSign

In Person Signer Events	Signature	Timestamp

Editor Delivery Events	Status	Timestamp

Agent Delivery Events	Status	Timestamp

Intermediary Delivery Events	Status	Timestamp

Certified Delivery Events	Status	Timestamp

Carbon Copy Events	Status	Timestamp
Dorothy Lin dorothy.lin@sfmta.com CCSF - MTA - Municipal Transportation Security Level: Email, Account Authentication (None)	COPIED	Sent: 5/29/2020 12:38:48 PM Resent: 6/1/2020 11:53:41 AM Viewed: 6/1/2020 12:52:26 PM
Jaimie Chau jaimie.chau@sfmta.com CCSF - MTA - Municipal Transportation Security Level: Email, Account Authentication (None)	COPIED	Sent: 5/29/2020 12:38:47 PM Viewed: 5/29/2020 12:55:28 PM

Electronic Record and Signature Disclosure:
Not Offered via DocuSign

Electronic Record and Signature Disclosure:
Not Offered via DocuSign

Witness Events	Signature	Timestamp

Notary Events	Signature	Timestamp

Envelope Summary Events	Status	Timestamps
Envelope Sent	Hashed/Encrypted	5/29/2020 12:38:48 PM
Certified Delivered	Security Checked	6/1/2020 11:37:40 AM
Signing Complete	Security Checked	6/1/2020 11:53:38 AM
Completed	Security Checked	6/1/2020 11:53:38 AM

Payment Events	Status	Timestamps