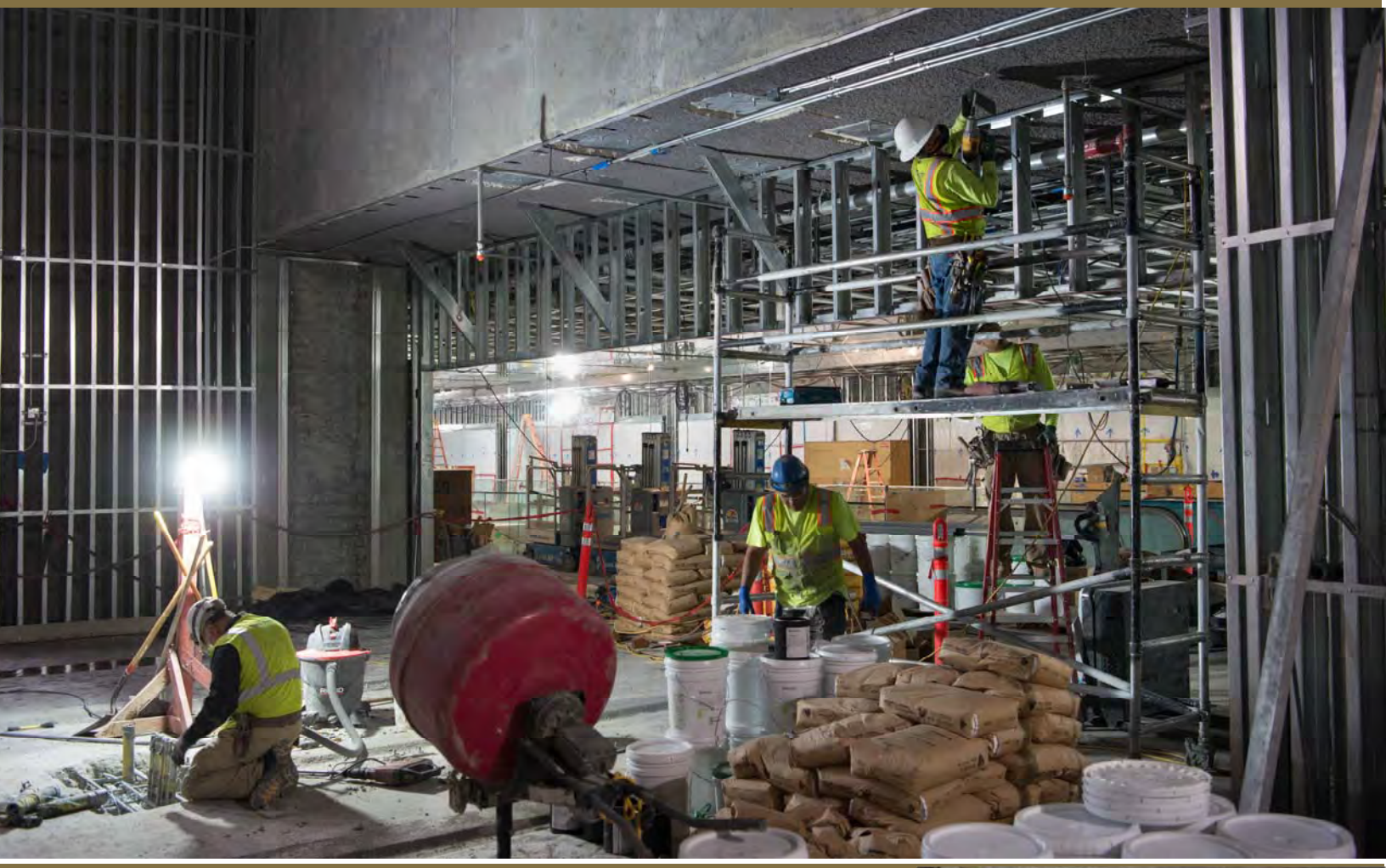
central T subway

The Shape of Things to Come

Structural steel framing of interior walls, glass panels, and terrazzo floors going in at YBM



Progress Report

November 2019

SFMTA

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Table of Contents

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

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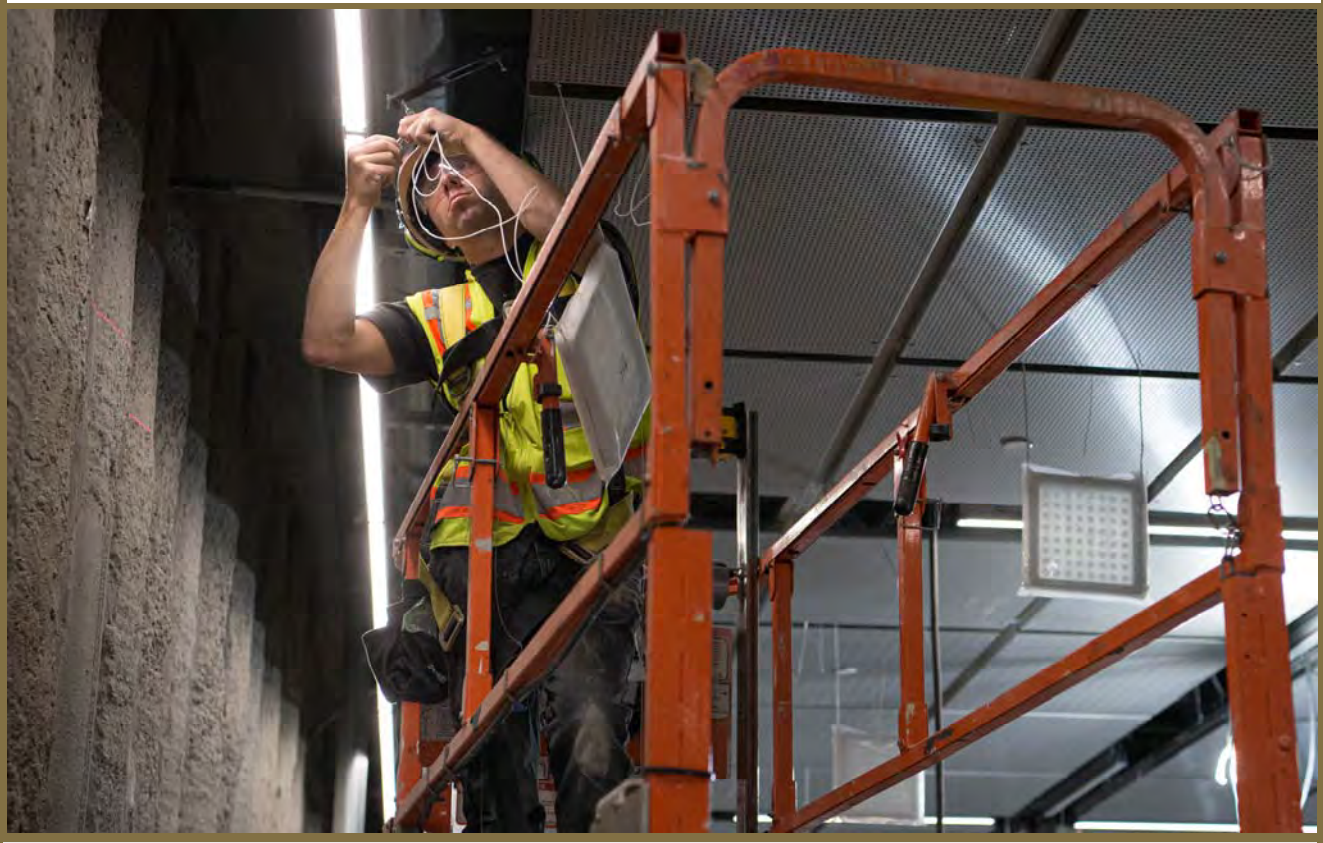
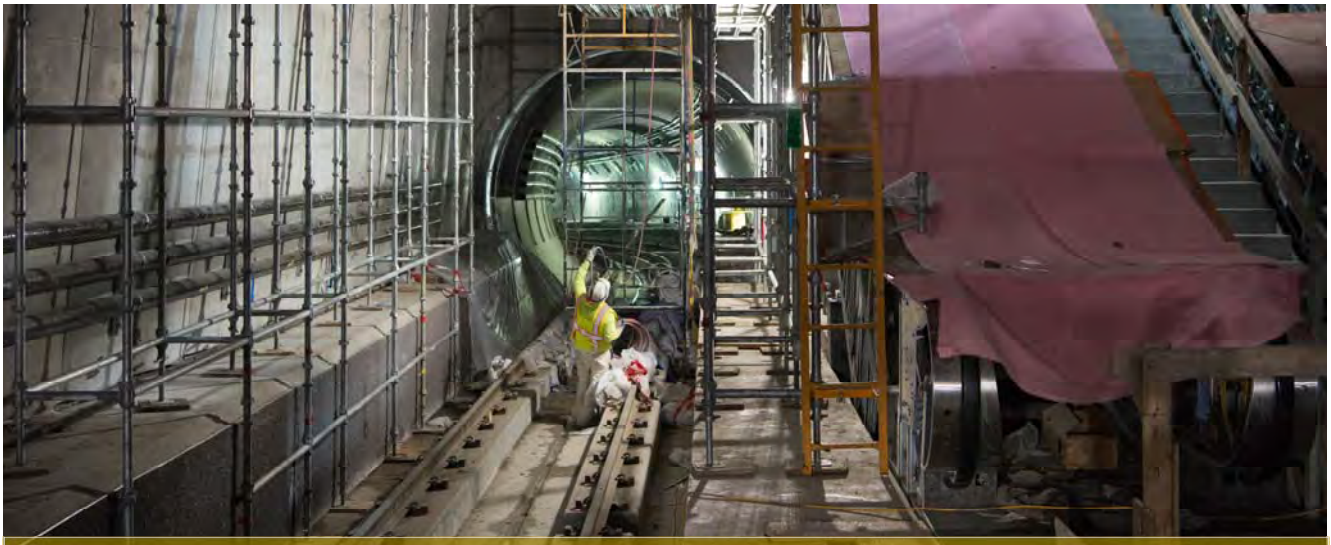
Appendices



Cover photo: ***Pallets of terrazzo wait to be mixed and laid out while workers install conduits and structural steel at the future fare gate area between the Yerba Buena/ Moscone Station lobby and station box concourse****. Public Art will also eventually be placed above the fare gate area.* ***More photos can be found starting on page 37.***

Above photo*: Square LED panels are being installed as part of Erwin Redl's public art piece inside the south concourse for Union Square/Market Street Station. The light panels will be suspended along the entire length of the concourse level corridor's ceiling.*

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/



A large scaffolding has been built at the southeast corner of the Union Square/Market Street Station platform to aide crews installing interior structural elements.

Executive Summary

Chinatown Station - Completed construction of Stairs 2 and 3. Completed rebar installation, formwork, and concrete for North/South Cavern Headwalls. Continued electrical switchgear, HVAC ductwork, and emergency ventilation fan installation at Headhouse Platform level. Continued shotcrete for slurry walls, installing drain mat and waterproofing for Concourse, Intermediate, Lower Mezzanine, and Upper Mezzanine levels at Headhouse. Continued construction for south wall for PCC 50 Chinatown Plaza. Continued street work (minor), monitoring and surveying.

Union Square/Market Street Station - Platform Station: Continued construction of stairs and elevators. Continued installation of glass enclosure around elevators and escalators. Continued to install overhead plumbing, fire protection piping, and overhead fixture and electrical. Continued installation of unistrut grid for ceiling panels and LED Artwork on Concourse level. South Concourse: Continued installation of overhead electrical, ceiling panels, and crystallized glass at ticket vending machine. Street/Surface: Continued waterproofing and installation of precast architectural concrete elements for USG terrace level. Continued installation of USG Roof level exhaust vent. Continued installation of granite curb and ramp, and preparation of sidewalk for bricks on Market and Ellis Streets.

Yerba Buena/Moscone Station - Continued installing Escalators 1 and 2. Began installing canopy frame and skylight at Headhouse roof. Began installing terrazzo finish and doors at Headhouse Concourse. Continued installing metal wall and ceiling in Station Concourse. Continued installing metal wall panels in Station Invert level.

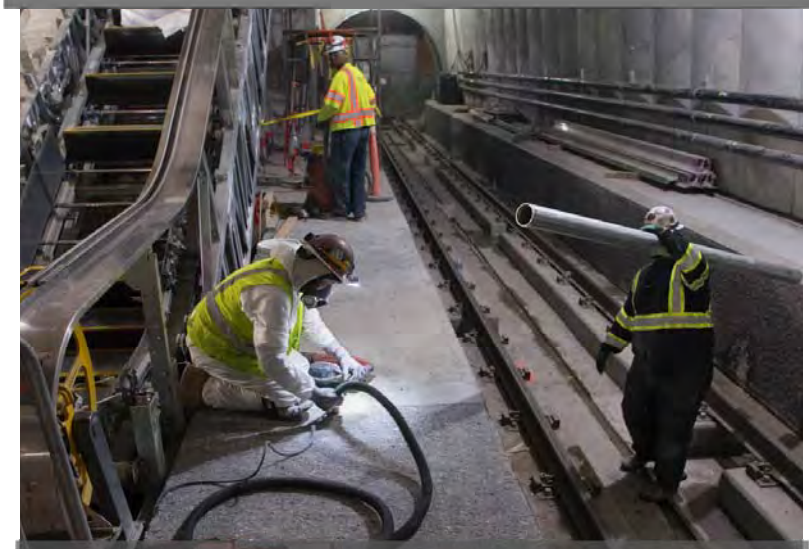
Surface, Track and Systems– Continued traction power conduit and other electrical conduit installation inside tunnel. Continued tunnel lighting installation. Continued track pavement installation at 4th Street portal. Continued 4th/Brannan platform construction. Completed artwork installation at 4th/Brannan station. Continued splicing traction power cables at 4th Street

Total project costs to date are $1,456.59 million, an increase of $12.26 million over last month. The total cost to date equals 92.3% of the total project budget of $1.578 billion. The program is in the process of reevaluating the overall program schedule and cost.

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 33.

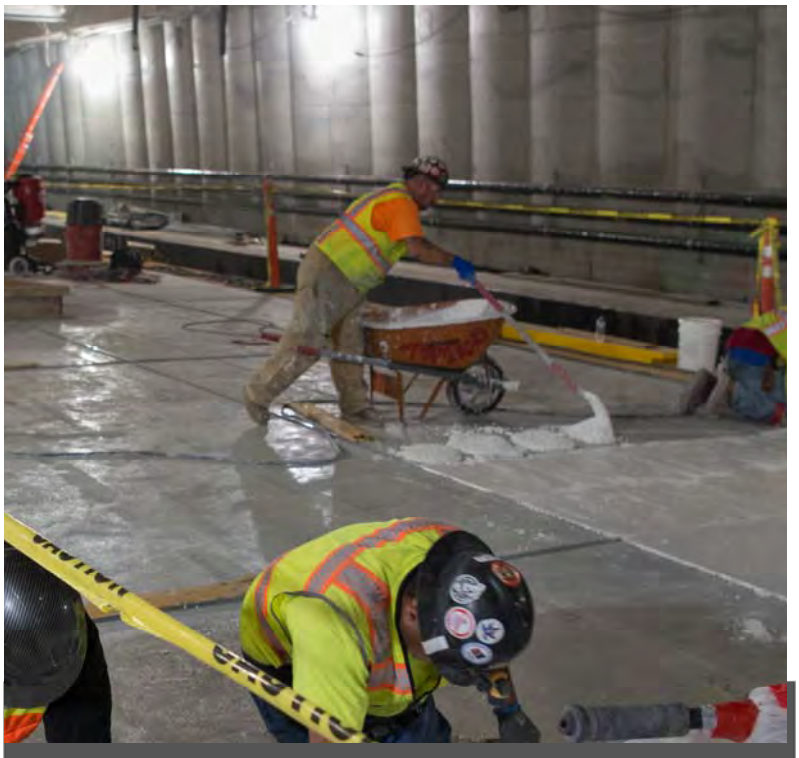
Key Milestones

Installing terrazzo floors at UMS

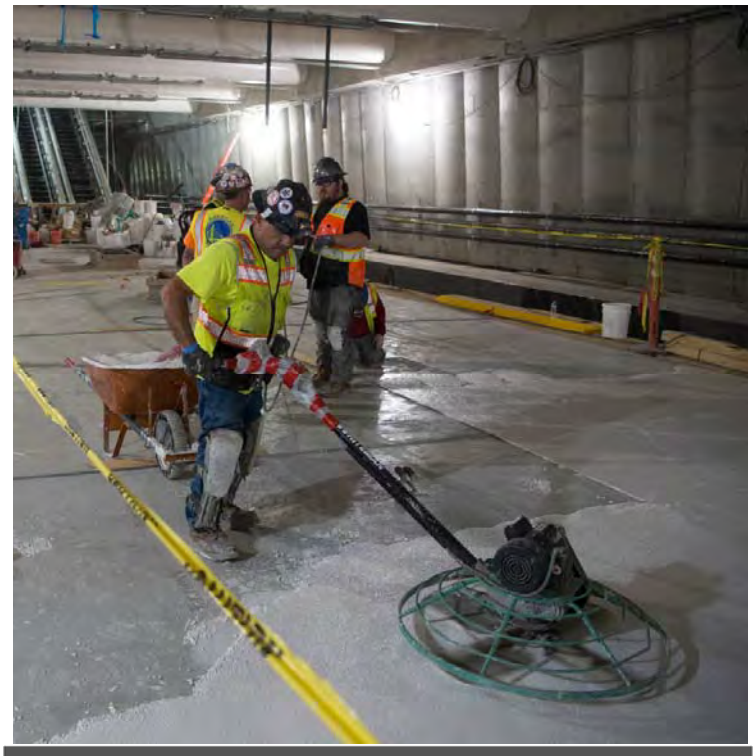


Workers prepare the surface and grind down any inconsistencies to make things level.

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



Terrazzo is mixed and poured in sections, with metal strips bordering each



The poured surface is smoothed and then ground down to a fine finish.

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 the Program's Estimate at Completion (EAC) as part of a workshop with FTA. When the report is finalized, the Program will adjust the overall Program budget and contingency.

Total net incurred costs for the project are $1,456.59 million, a $12.26 million increase over last month. The cost to date figure reflects expenditures through FAMIS 786 Report ($1,400.65 million) plus the utilities joint trench Form B Reimbursement payment ($12.51 million), invoices currently being processed ($34.57 million) and estimates of outstanding pay requests ($8.88 million). This incurred amount equals 92.3% 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.

Earned Value Analysis

In November 2019 Report, the Preliminary Earned Value Analysis reports is based on the SFMTA November Schedule Update. The Planned Value, Earned Value, Actual Cost, Percent Complete and resulting indexes as follows:

Preliminary November Earned Value

Overall Budgeted Cost:	$1,578,300,000
Planned Value:	$1,578,429,129
Earned Value:	$1,437,291,469
Actual Cost:	$1,456,585,813
Schedule Performance Index (SPI):	0.91
Cost Performance Index (CPI):	0.99
Percent Complete:	90.2%

*November 2019 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 November 2019. The November 2019 Schedule Update submittal from Contract 1300 Contractor was not submitted as the CN1300 Contractor has not provided the updated corrections to their June 2017 through July 2018 Schedule Updates. The Contract 1300 schedule represented in this report is based on the SFMTA November 2019 Schedule Update.

The MPS shows a forecast Revenue Service Date of Summer 2021 based on a revised assessment of the overall schedule and the current project conditions. The revised schedule will be evaluated with the FTA during a risk schedule and cost workshop in November. Based on the workshop, the Program will revise the Master Project Schedule to reflect the new schedule.

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 November 2019 schedule is used within the November Report. The SFMTA Contract 1300 November 2019 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.

A crew disassembles scaffolding used to install ceiling panels just outside the ramp leading to escalators inside the south concourse for Union Square/Market Street Station.

Schedule Highlights - Continued

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

- Completed construction of Stair 2 and 3
- Continued installing Stair 5
- Continued electrical switchgear installation on the concrete pads and HVAC ductwork installation at Headhouse Platform level
- Continued Emergency Ventilation fan installation at Headhouse Under Platform level
- Continued CMU wall curb installation on the Headhouse Underplatform Level, Platform Level, Lower Mezanine and Upper mezzanine Levels.
- Continued shotcrete for slurry walls, installing drain mat and waterproofing for Concourse, Intermediate, Lower Mezzanine, and Upper Mezzanine levels at Headhouse
- Completed rebar installation, formwork, and concrete for North/South Cavern Headwalls
- Completed removing temp wales and bracing at Headhouse
- Continued construction of South and West walls for PCC 50 Chinatown Plaza
- Continued street work (minor), ongoing monitoring and surveying

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

- Platform Station: Continued construction of stairs and elevators. Continued installation of glass enclosure around elevators and escalators. Continued to install overhead plumbing, fire protection piping, and overhead fixture and electrical. Continued installation of unistrut grid for ceiling panels and LED Artwork on Concourse Level. Continued installation of ceiling panels. Continued installation of light fixtures and controls. Continued installation of Curved Metal Panel on Platform Strut Level. Continued installation of frames for doors on all Levels. Continued preparation for installation of terrazzo on Platform level
- North Concourse: Continued construction of stairs and elevators. Continued installation of overhead plumbing, fire protection piping, and overhead fixture and electrical. Continued cement plaster finish in various rooms. Continued installation of glass wall panels
- South Concourse: Continued installation of overhead electrical, ceiling panels, and crystallized glass at ticket vending machine. Continued installation of unistrut for ceiling panels and LED artwork. Continued installation of glass wall panels. Continued installation of terrazzo flooring
- Street/Surface: Continued waterproofing and installation of precast architectural concrete elements for USG terrace level. Continued installation of USG Roof level exhaust vent. Continued installation of granite curb and ramp, and preparation of sidewalk for bricks on Market and Ellis Streets

Schedule Highlights - Continued

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

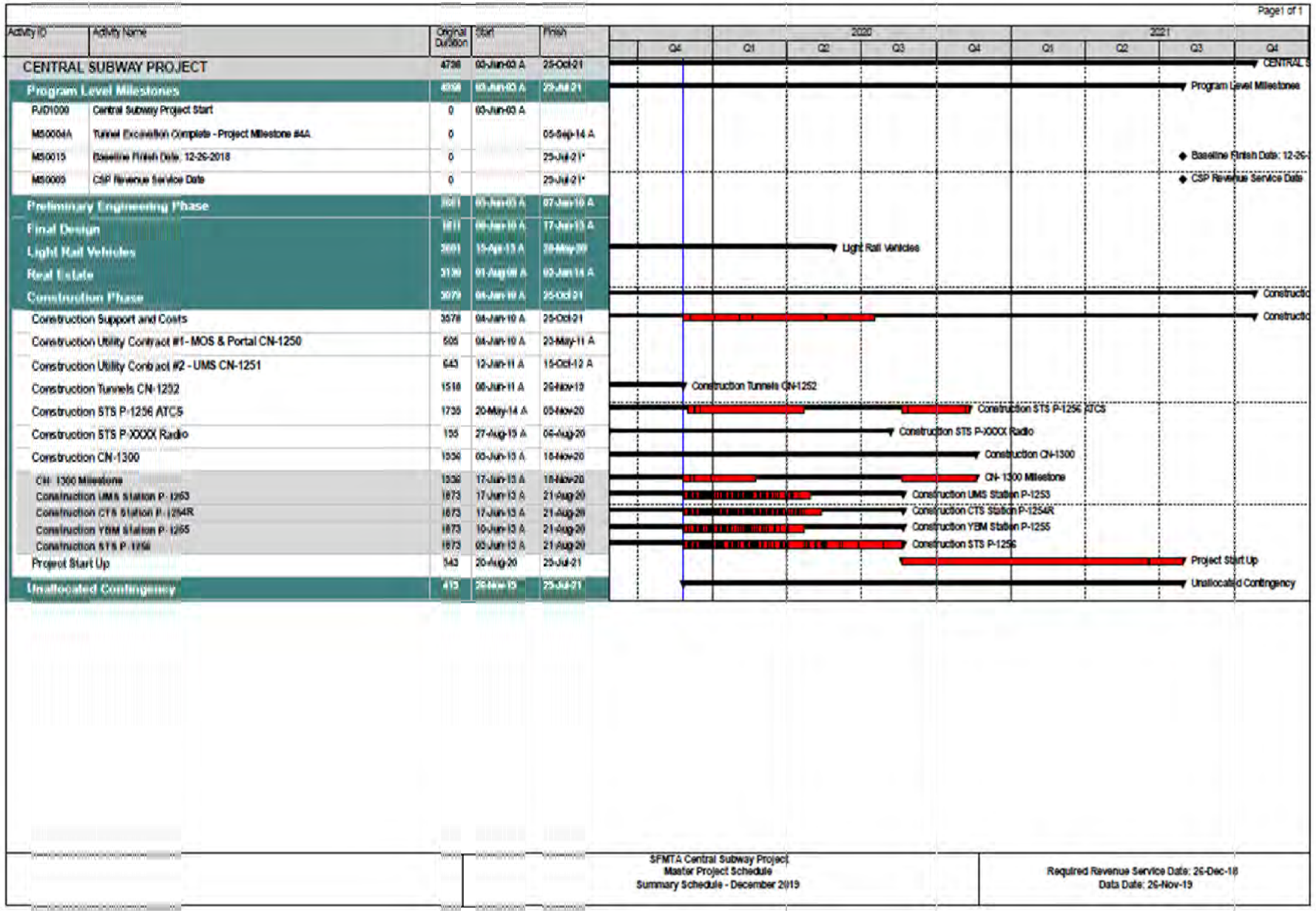
- Continued installing Escalators 1 and 2
- Began installing canopy frame and skylight at Headhouse Roof
- Continued installing duct work for Vent Shaft
- Began installing doors at Headhouse Mezzanine
- Continued installing sound dampers at Station Mezzanine
- Began installing terrazzo finish in Headhouse Concourse
- Began installing doors at Headhouse Concourse
- Continued installing metal wall and ceiling in Station Concourse
- Began installing doors at Station Concourse
- Continued installing metal wall panels in Station Invert level

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

- Continued traction power conduit and other electrical conduit installation inside tunnel
- Continued tunnel lighting installation
- Continued track pavement installation at 4th Street portal
- Completed track installation at 4th/Brannan intersection
- Continued 4th/Brannan platform construction
- Completed artwork installation at 4th/Brannan station
- Continued splicing traction power cables on 4th Street

Future escalators remain covered during the installation of steel brackets across the arched ceiling and walls of the Chinatown Station platform cavern.

Master Project Schedule



Workers assemble scaffolding along the east side of the Chinatown Station headhouse structure, where waterproofing and shotcrete work have begun.

Contracts & Construction

Construction Contracts In Progress

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

- Contractor: Tutor - Perini Corporation
- Amount: $878.92 million
- Contract Status: 91.34% 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

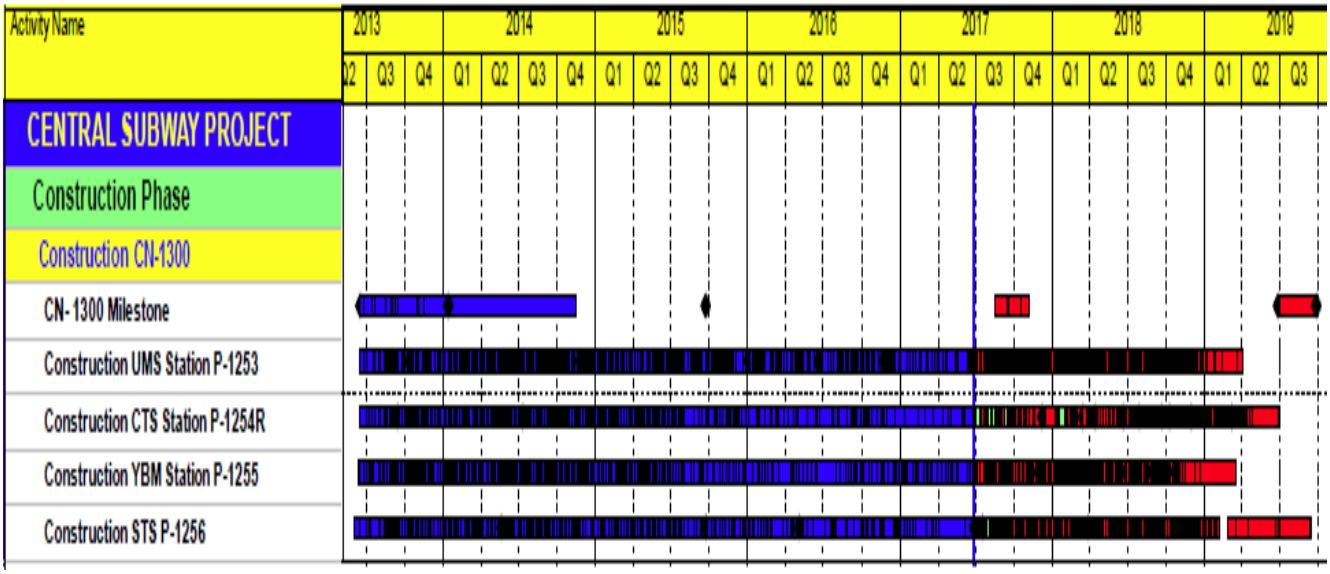
The Contract 1300 scope is to construct the Central Subway's three subway stations, one surface station, construct the 2,000 feet of surface track, and install track and operating systems throughout the new alignment. The separate station and systems work packages are presented in the following pages.

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:	**$839,676,400**
Modifications to Date ($):	**$39,244,142**
Modifications to Date (Days):	**870**
Current Contract Value:	**$878,920,542**

Budget/Expenditures▲	
Current Budget	**$861,639,691**
Other Project Offset Credits	**$3,123,097**
Expenditures to Date	**$800,476,167**

1300 Summary Schedule



Chinatown Station

Contract 1300 - Work Package 1254R

Description of Work

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

Current Work Status

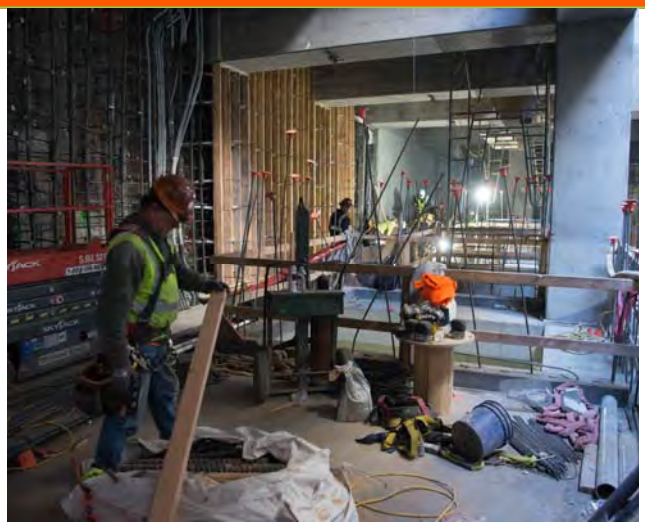
- Completed construction of Stair 2 and 3
- Continued installing Stair 5
- Continued electrical switchgear installation on the concrete pads and HVAC ductwork installation at Headhouse Platform level
- Continued Emergency Ventilation fan installation at Headhouse Under Platform level
- Continued CMU wall curb installation on the Headhouse Underplatform Level, Platform Level, Lower Mezanine and Upper mezzanine Levels.
- Continued shotcrete for slurry walls, installing drain mat and waterproofing for Concourse, Intermediate, Lower Mezzanine, and Upper Mezzanine levels at Headhouse
- Completed rebar installation, formwork, and concrete for North/South Cavern Headwalls
- Completed removing temp wales and bracing at Headhouse
- Continued construction of South and West walls for PCC 50 Chinatown Plaza
- Continued street work (minor), ongoing monitoring and surveying

Work Expected Next Month

- Continue installing GFRC panels at North and South Platform Caverns
- Continue installing Escalator 1 & 2 at North Platform Cavern
- Continue electrical switchgear installation at Headhouse Platform level
- Continue shotcrete for slurry walls, install drain mat and waterproofing for Concourse, Intermediate, Lower Mezzanine and Upper Mezzanine levels at Headhouse
- Continue Escalator 1 & 2 installation
- Begin Escalator 3, 4, 5, and 6 installation
- Begin installing traction power equipment at Traction Power room at Platform level
- Begin Arch closure composite wall and GFRC panel installation at Concourse level
- Continue CMU wall construction at all levels of Headhouse
- Continue construction of PCC 50 Chinatown Plaza walls

Chinatown Station

Contract 1300 - Work Package 1254R

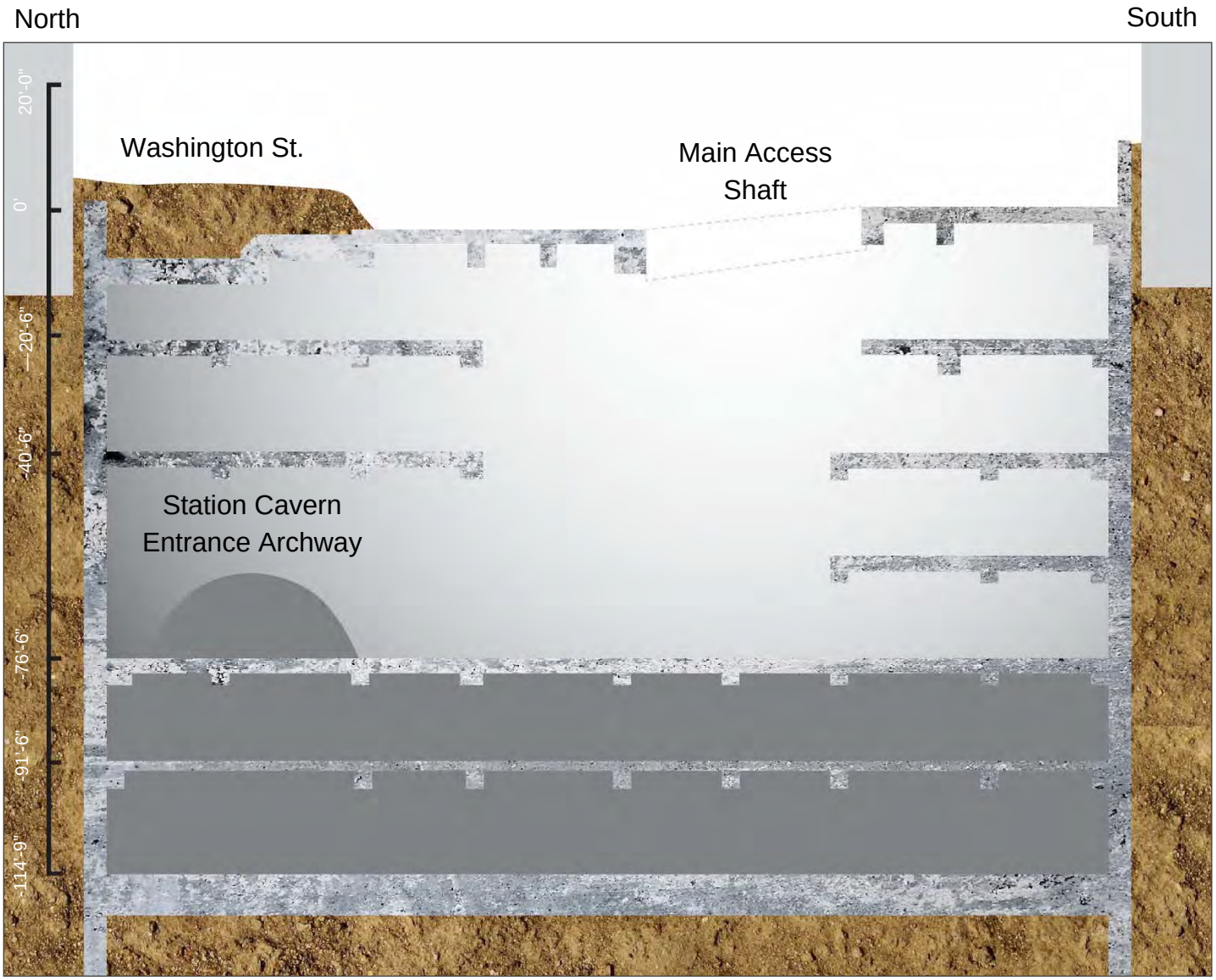


Three Month Look Ahead

- Complete GFRC panel installation at Platform Cavern
- Complete Escalator 1 & 2 installation
- Complete Escalator 3 & 4, 5 & 6 installation
- Begin installation of Elevators 1 & 2, 3 & 4
- Complete installing mechanical, electrical, plumbing, at Headhouse Underplatform and Platform Levels.
- Complete installing mechanical, electrical, plumbing at Concourse, Intermediate, Lower Mezzanine, and Upper Mezzanine levels at Headhouse
- Complete construction of Street level at Headhouse
- Continue construction of PCC 50 Chinatown Plaza
- Abandon dewatering wells on Stockton Street
- Begin street utility work on Washington Street

CTS—continued

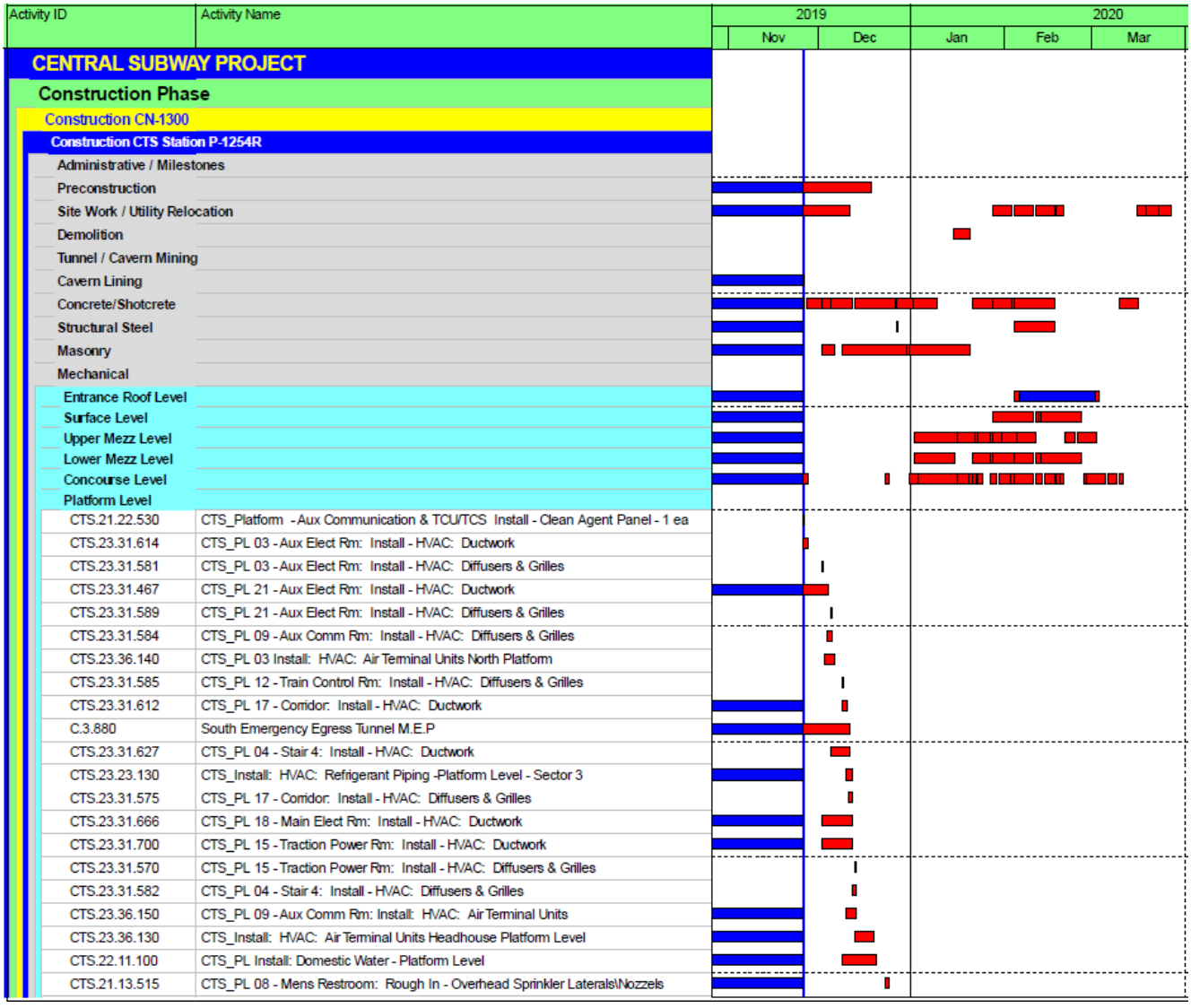
Station Construction Progress Section



Contract Details	
Contract Awarded:	**May 21, 2013**
Notice to Proceed:	**June 17, 2013**
Substantial Completion:	**June 29, 2020**
Contract Award Value:	**$247,567,810**
Modifications to Date ($):	**$42,839,633**
Modifications to Date (Days):	**870**
Current Contract Value:	**$290,407,443**

Budget/Expenditures	
Current Budget	**$257,567,810**
Other Project Offset Credits	**$75,000**
Expenditures to Date	**$263,233,807**

CTS Three Month Schedule



Schedule: Contract 1300 November 2019 Update

Union Square/Market Street Station

Contract 1300 Work Package1253

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 This Month

- Platform Station: Continued construction of stairs and elevators. Continued installation of glass enclosure around elevators and escalators. Continued to install overhead plumbing, fire protection piping, and overhead fixture and electrical. Continued installation of unistrut grid for ceiling panels and LED Artwork on Concourse Level. Continued installation of ceiling panels. Continued installation of light fixtures and controls. Continued installation of Curved Metal Panel on Platform Strut Level. Continued installation of frames for doors on all Levels. Continued preparation for installation of terrazzo on Platform level.
- North Concourse: Continued construction of stairs and elevators. Continued installation of overhead plumbing, fire protection piping, and overhead fixture and electrical. Continued cement plaster finish in various rooms. Continued installation of glass wall panels.
- South Concourse: Continued installation of overhead electrical, ceiling panels, and crystallized glass at ticket vending machine. Continued installation of unistrut for ceiling panels and LED artwork. Continued installation of glass wall panels. Continued installation of terrazzo flooring.
- Street/Surface: Continued waterproofing and installation of precast architectural concrete elements for USG terrace level. Continued installation of USG Roof level exhaust vent. Continued installation of granite curb and ramp, and preparation of sidewalk for bricks on Market and Ellis Streets

Work Expected Next Month

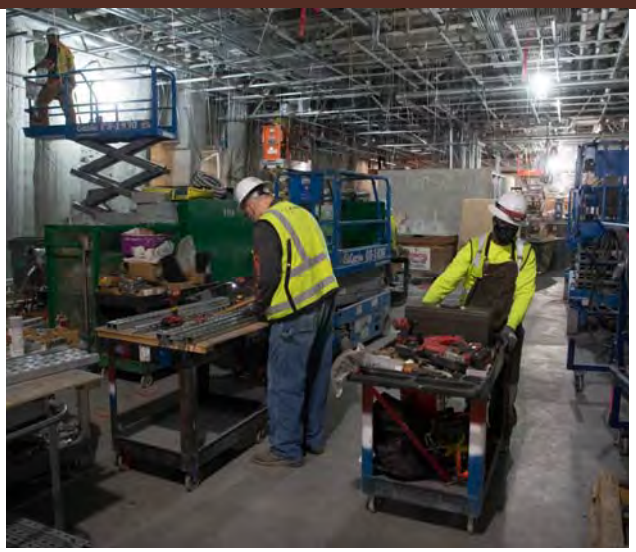
- Platform Station: Continue construction of stairs and elevators. Continue installation of glass enclosure around elevators. Continue installation of escalators. Continue installation of glass enclosure for escalators. Continue to install overhead plumbing, fire protection piping, and overhead fixture and electrical. Continue installation of unistrut grid for ceiling panels and LED Artwork on Concourse Level. Continue installation of ceiling panels. Continue installation of light fixtures and controls. Continue installation of Curved Metal Panel on Platform Strut Level. Continue installation of frames and begin installation of doors on all Levels. Continue preparation for installation of terrazzo on Platform Level and installation of terrazzo
- North Concourse: Continue construction of stairs and elevators. Continue installation of overhead plumbing, fire protection piping, and overhead fixture and electrical. Continue cement plaster finish

in various rooms. Continue installation of glass wall panels

- South Concourse: Continue installation of overhead electrical, ceiling panels, and crystallized glass at ticket vending machine. Continue installation of unistrut for ceiling panels and LED artwork. Began installation of glass wall panels. Continue installation of terrazzo flooring
- Street/Surface: Continue waterproofing and installation of precast architectural concrete elements for USG terrace level. Continue installation of USG Roof level exhaust vent. Continue installation of granite curb, brick sidewalk, and pedestrian ramps on Market Street and Ellis Streets. Begin Ellis Entrance finishes

Three Month Look Ahead

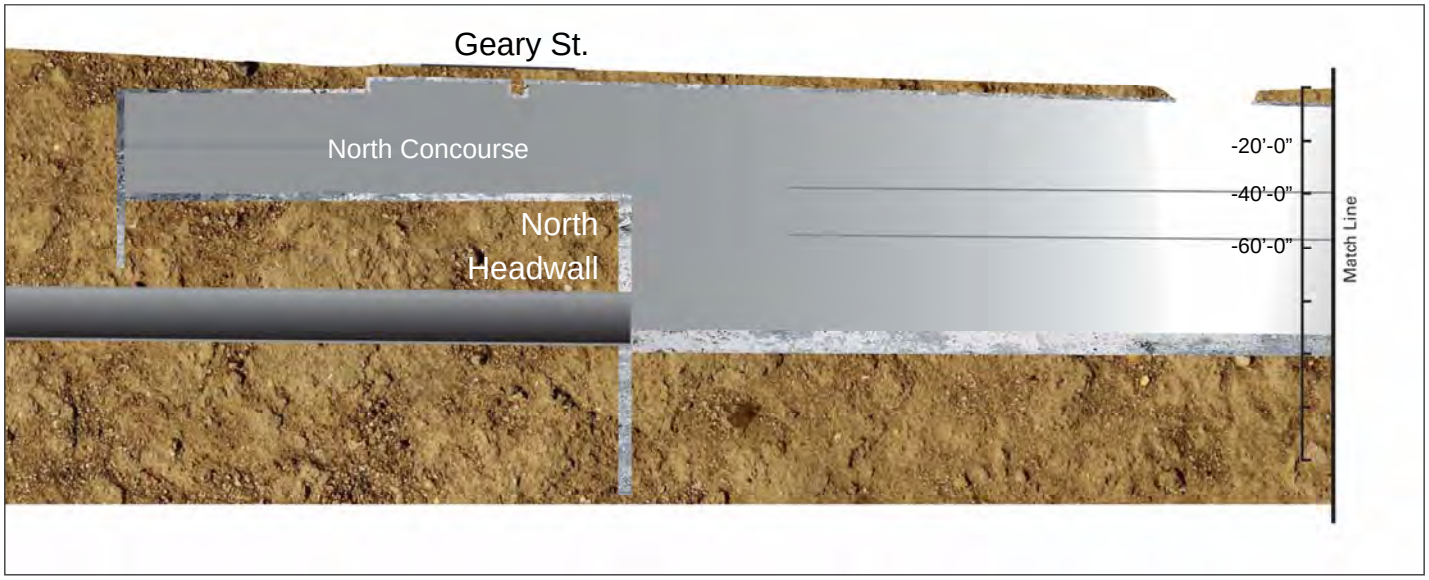
- Platform Station: Complete CMU wall construction. Complete deck installation. Complete all structural concrete work. Continue installation of fireproofing. Continue construction of stairs and escalators. Continue terrazzo flooring. Continue installation of artwork on Concourse and Platform level. Continue installation of ceiling panels. Continue installation of light fixtures and controls. Continue installation of overhead plumbing, fire protection piping and overhead fixture and electrical. Continue installation of frames and installation of doors on all levels
- North Concourse: Continue terrazzo flooring. Continue installation of ceiling panels. Energize main electrical room. Begin installation of fire alarm system in USG
- South Concourse: Continue construction of escalators and stairs. Continue terrazzo flooring. Continue installation of ceiling panels
- Street/Surface: Complete installation of

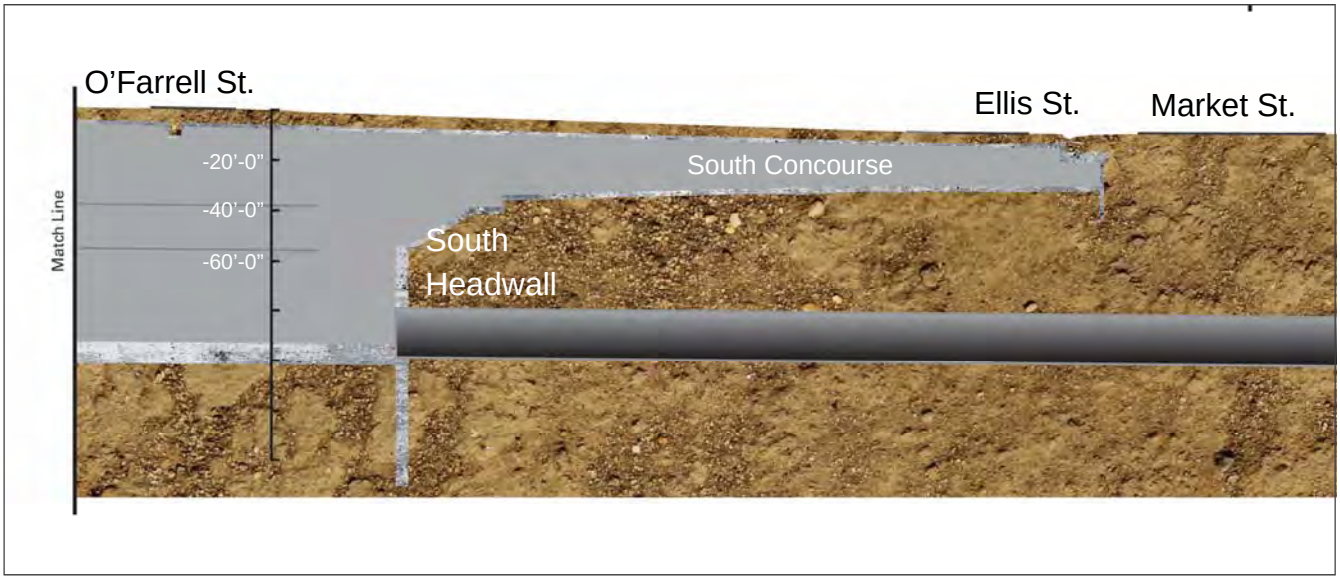


granite curb, brick sidewalk, and pedestrian ramps north of Market Street. Complete installation of glass roof walk artwork on USG Terrace level. Complete installation of precast architectural concrete elements for USG terrace level. Continue installation of permanent historic streetlights. Continue installation of traffic cabinets and permanent traffic signals

Station Excavation and Construction Progress Section

North South

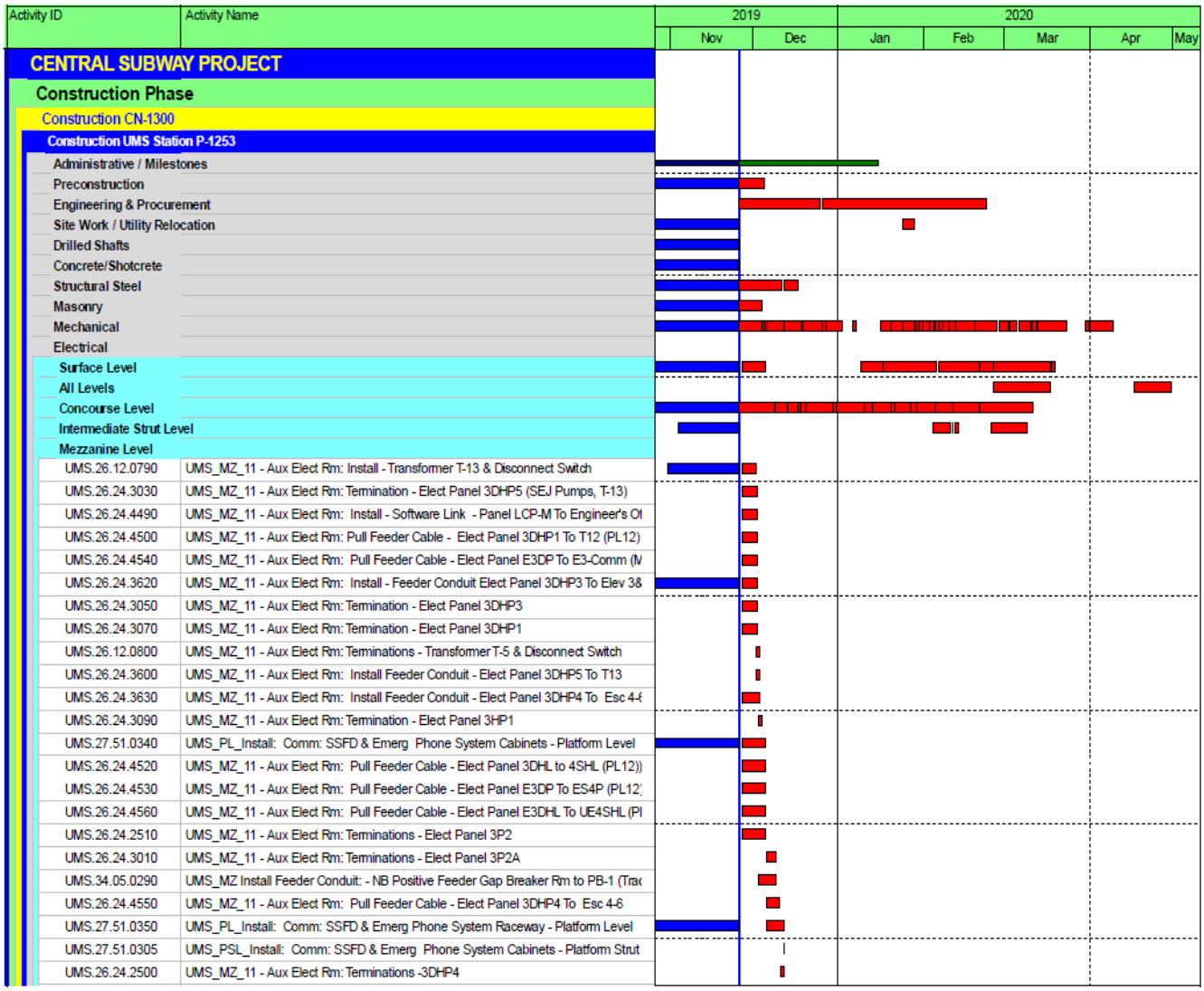




Contract Details	
Contract Awarded:	**May 21, 2013**
Notice to Proceed:	**June 17, 2013**
Substantial Completion:	**June 29, 2020**
Contract Award Value:	**$294,030,590**
Modifications to Date ($):	**$7,744,337**
Modifications to Date (Days):	**870**
Current Contract Value:	**$301,774,927**

Budget/Expenditures ▲	
Current Budget	**$314,030,590**
Expenditures to Date	**$284,906,951**

UMS Three Month Schedule



Schedule: Contract 1300 November 2019 Update

Yerba Buena/Moscone Station

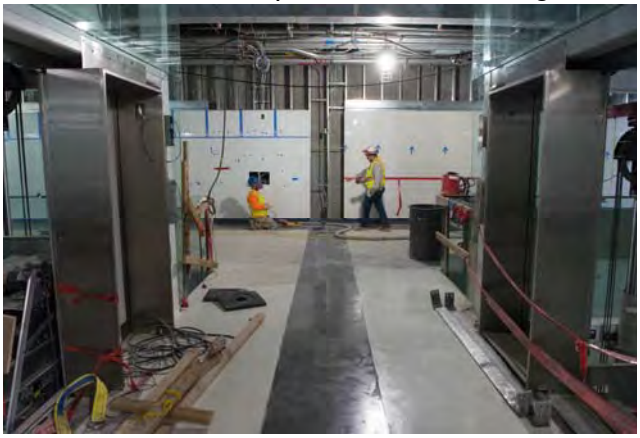
Contract 1300 - Work Package 1255

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 1 and 2
- Began installing canopy frame and skylight at Headhouse Roof
- Continued installing duct work for Vent Shaft
- Began installing doors at Headhouse Mezzanine
- Continued installing sound dampers at Station Mezzanine
- Began installing terrazzo finish and doors in Headhouse Concourse
- Continued installing metal wall and ceiling in Station Concourse
- Began installing doors at Station Concourse
- Continued installing metal wall panels in Station Invert level



Work Expected Next Month

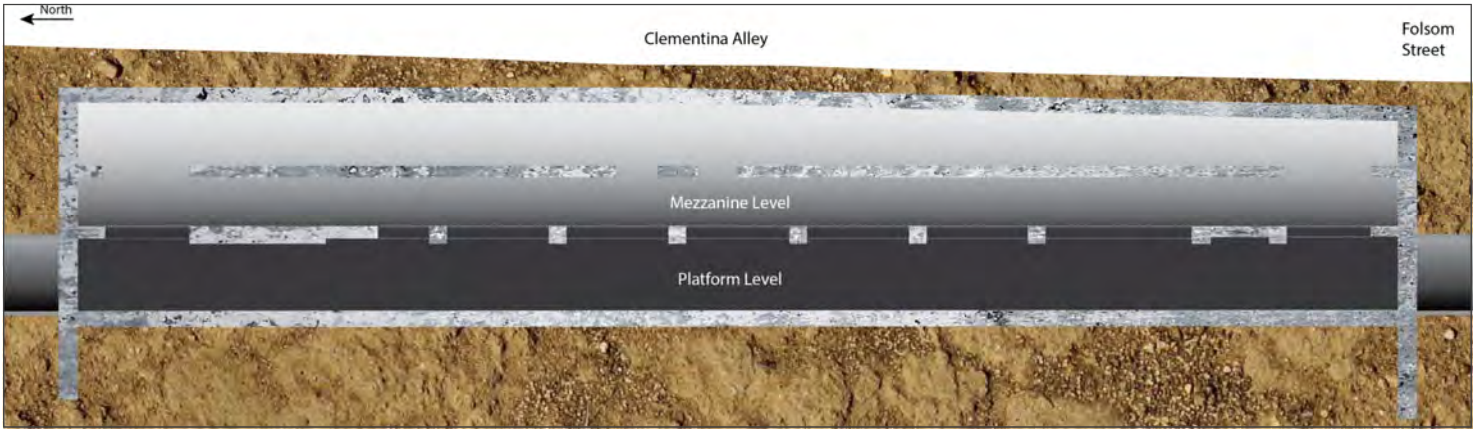
- Continue installing Elevators 3 and 4
- Continue installing skylight at Headhouse Roof
- Begin installing insulation at Headhouse Roof
- Continue installation of Headhouse Vent Shaft
- Continued installing duct work for Headhouse Mezzanine
- Continue placing concrete floor at Headhouse Mezzanine
- Continue installing finished floor in Headhouse Concourse
- Continue installing Station Agent Booth at Headhouse Concourse
- Begin installing toilets and lockers in Headhouse Concourse
- Begin installing artwork at Headhouse Concourse
- Continue installing metal wall and ceiling in Station Concourse

Three Month Look Ahead

- Continue interior finishes on Mezzanine & Concourse Levels within Station Box
- Continue placement of stairs within Station and Headhouse
- Begin installation of sculpture at Surface level
- Complete installation of artwork in Headhouse Concourse
- Complete installation of Elevators 3 and 4

Station Excavation and Construction Progress Section

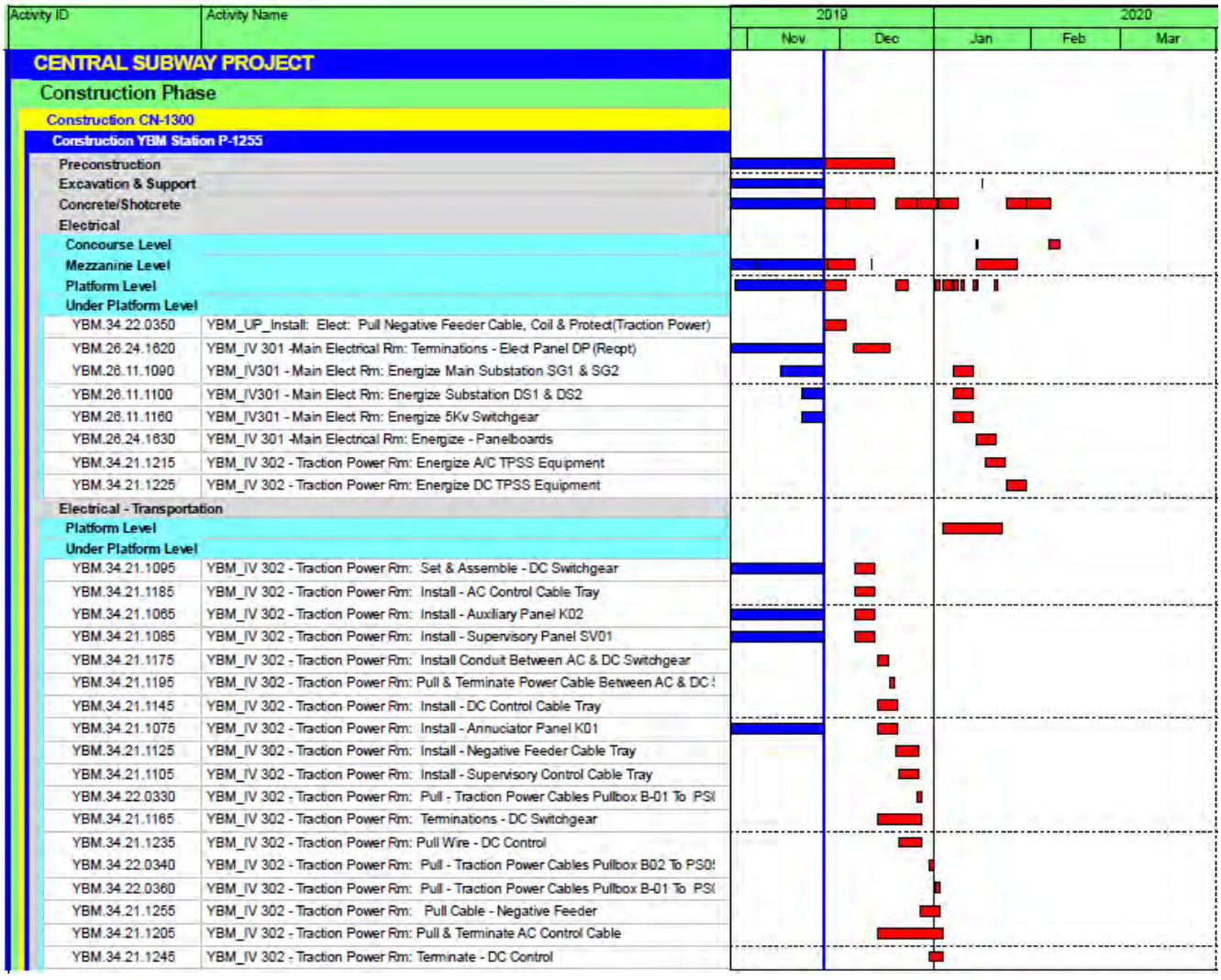
North South



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	**$149,248,632**

YBM Three Month Schedule



Systems, Trackwork, & Surface Station

Contract 1300 - Work Package 1256

Description of Work

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

Current Status

- Continued traction power conduit and other electrical conduit installation inside tunnel
- Continued tunnel lighting installation
- Continued track pavement installation at 4th Street portal
- Completed track installation at 4th/Brannan intersection
- Continued 4th/Brannan platform construction
- Completed artwork installation at 4th/Brannan station
- Continued splicing traction power cables on 4th Street

Work Expected Next Month

- Continue 4th/Brannan platform construction
- Start artwork installation at 4th/Brannan station
- Continue traction power conduit and other electrical conduit installation inside tunnel
- Continue tunnel lighting installation
- Start OCS hanger installation inside tunnel
- Continue walkway installation inside tunnel
- Start track pavement construction at tunnel portal
- Continue track installation on 4th Street
- Continue pulling traction power cables on 4th Street

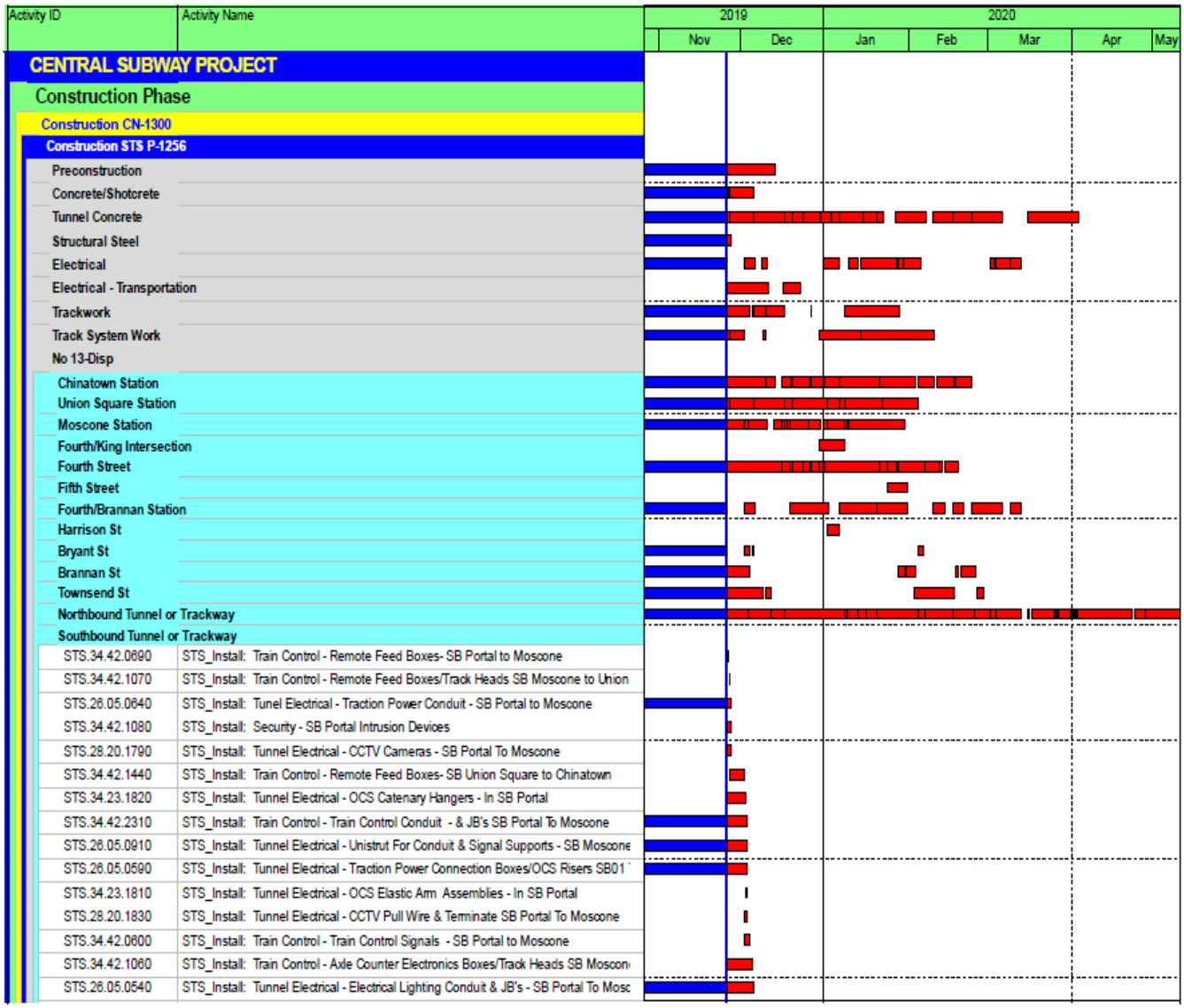
Three Month Look Ahead

- Complete OCS/street light pole installation
- Continue OCS support/wire installation in tunnel and on 4th Street
- Continue 4th/Brannan platform construction
- Continue track pavement installation at 4th Street portal
- Continue tunnel cross passages construction
- Start tunnel walkway stairs installation
- Continue electrical conduit installation inside tunnel
- Continue tunnel lighting installation
- Continue splicing traction power cables on 4th Street
- Start 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	**$103,086,777**

Systems, Track and Surface Station Three Month Schedule



Schedule: Contract 1300 November 2019 Update

Program Components

Community Outreach

Outreach public information, events and presentations for November 2019 include:

- Conducted Chinatown Mechant's Meeting
- Conducted Community Advisory Group Meeting
- Continued noise and dust mitigation meetings with Tutor Perini and community stakeholders
- Ongoing outreach to merchants and residents
- Conducted meetings and face-to-face visits with various merchant stakeholders along the alignment
- Preparation and dissemination of construction notices
- Produced quarterly construction update video and other multimedia content
- Responded to constituent complaints

Outreach in Support of Mitigation and Monitoring

- Team members participated in weekly progress to address neighborhood concerns
- Outreach and communication efforts continue in Chinatown, Union Square, and SOMA
- Weekly photo documentation of project work and editing
- Outreach team members met with SF Arts Commission representatives to align public art completion strategy
- 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/
11/13/2019	Update: New Sfmta Leader Jeffrey Tumlin Hopes To Regain Riders' Trust	SFGate	Bay City News Service
11/14/2019	City offers payments to Chinatown merchants over Central Subway	CURBED San Francisco	Adam Brinklow
11/14/2019	Officials offer Chinatown businesses concessions to ease Central Subway delay	SFbay.ca	Daniel Montes
11/23/2019	1st Of 10 Public Artworks Along Future Central Subway Line Installed	SFGATE	Bay City News Service
11/23/2019	Forty-foot tall windblown gyroscope installed at Central Subway stop	CURBED San Francisco	Adam Brinklow

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

- 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 QCP
- QA staff performs random checks of the Contractor's independent field testing laboratory reports and results as provided by the Contractor's testing laboratory which includes concrete cylinders, shotcrete cores, and shotcrete C1550 flexural specimens
- Contractor Non Conformance Reports (CNCR) Status as indicated in the TPC QC CNCR Log:
    - ◊ Initial: 5 CNCRs are currently posted to the CNCR Log as INITIAL entries. (no change from October 2019) (C1300 is required to generate a CNCR within 24 hours of becoming aware of what appears to be nonconforming work).
    - ◊ Dispositioned (not acceptable): 30 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). (+5 change from October 2019)

- ◊ Dispositioned: 18 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 disposition is appropriate.) (-11 from October 2019)
- ◊ Approved: 59 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. (+14 from October 2019)
- ◊ Closed: 355 CNCRs are currently posted to the CNCR Log as CLOSED. (no change from October 2019)
- ◊ Voided: 50 CNCRs are currently posted to the CNCR Log as VOIDED (subsequent evaluation of the INITIAL CNCRs determined that a CNCR is not warranted). (no change from October 2019)
- ◊ 512 CNCRs are currently posted to the CNCR Log. (+3 from October 2019)

Notice of Non-compliance (NCN):

- Project QA has issued 29 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
- 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 have the required QC staff. Currently there are three vacancies
- The Contractor does not have QC on the site at all times during construction as required
- The Contractor continues to perform work in some instances prior to receipt of approved required submittals (including 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
- 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 nonconforming 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. Noncofromance Notice NCN CT-001 was issued, directing TPC to reinstate CNCR 354. 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

Risk Mitigation Management Meeting No.122 was held on Tuesday, November 5, 2019. The members of the Risk Assessment Committee will 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.

During the monthly meeting, thirty-four (34) construction risks, two (2) revenue service risk and one (1) remaining requirement risk, will be 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

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 November, there were a total of three incidents. Two were first aids and one was an injury. They consisted of an arm laceration, hand laceration, and a personal illness.

As a deterrence to reduce crime, TPC management has installed motion detection cameras since September 2019.

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 emergency ventilation fan, stairs, electrical switchgear installation , and waterproofing

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, doors, duct work, sound dampers, and metal wall panels

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 NOV 2019

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

JOB TO DATE	Tutor	Subs	Total Project	Rate*
OSHA Recordable Accidents	18	6	**24**	1.16
Job Transfer or Restricted Duty Cases	0	0	**0**	0.00
Lost Time Cases	7	1	**8**	0.39
Total Project Incidents	25		**32**	1.54
Man Hours Worked Through M/E Nov 2019	1,971,407	2,173,330	**4,144,737**	

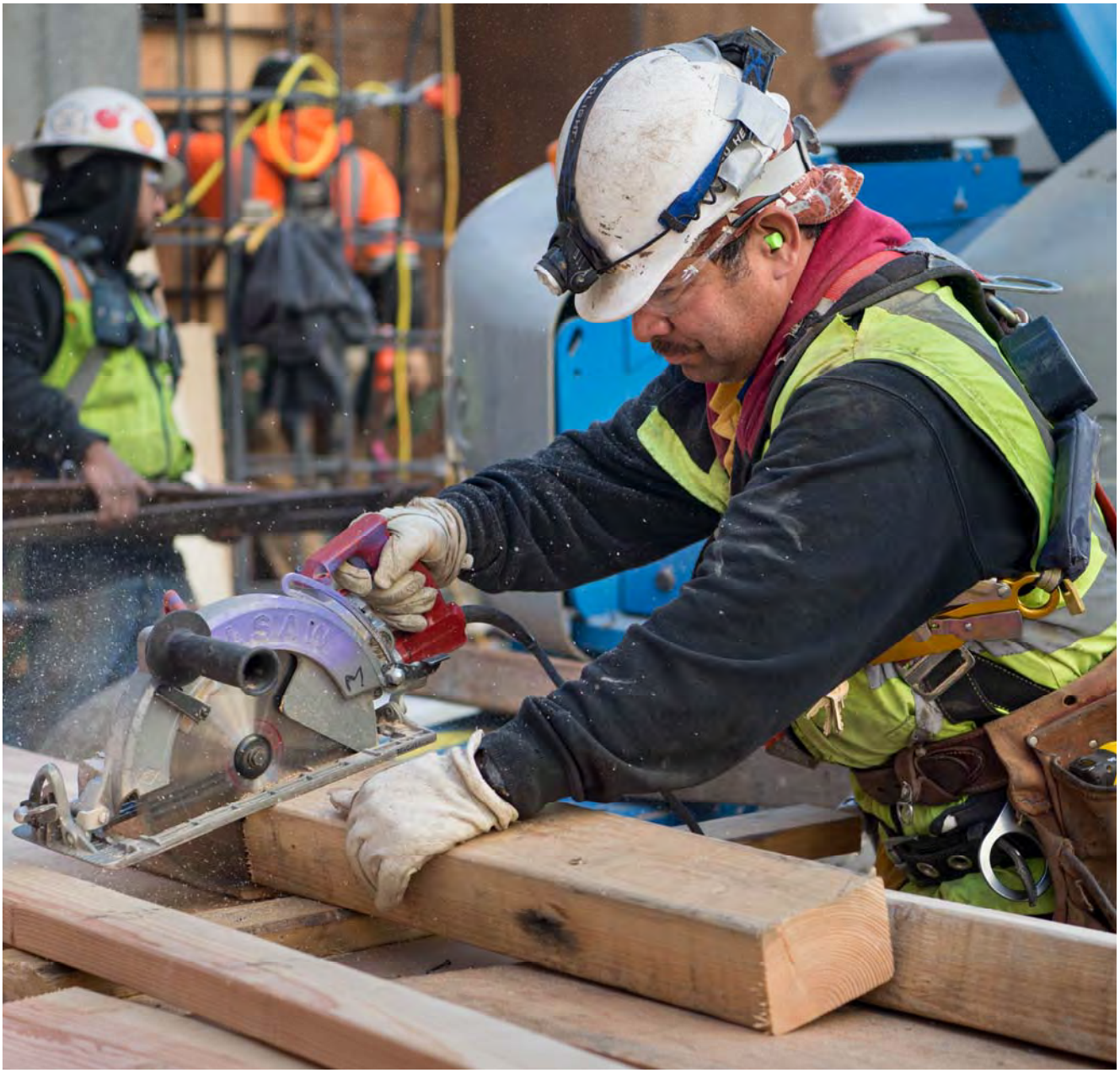
YEAR TO DATE (Month ,Day, Year to Month, Day, Year)	Tutor	Subs	Total Project	Rate*
OSHA Recordable Accidents	17	2	**19**	4.98
Job Transfer or Restricted Duty Cases	0	0	**0**	0.00
Lost Time Cases	7	0	**0**	0.00
Total Project Incidents	1	0	**0**	0.00
Man Hours Worked Through M/E Nov 2019	366,157	397,609	**763,766**	

* 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

In November 2019, the Program is still considering candidates for a Change Order Administrator and is interested in identifying additional candidates for supplementation of the team in the areas of Office Engineer and persons with expertise in MEP Coordination.



A carpenter makes cuts in a 4x6 as part of concrete form construction for the street-level entrance structure for Chinatown Station.

Staffing

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

	September 2019		Oct-2019		November 2019	
	Planned	Actual	Planned	Actual	Planned	Actual
Project Management						
Program Management	6.60	5.70	6.60	5.70	6.60	5.70
Quality Assurance	1.80	1.00	1.80	1.00	1.80	1.00
Contract Administration	1.40	13.00	1.40	12.00	1.40	10.00
Community Outreach	5.50	2.00	5.50	2.00	5.50	2.00
Finance	2.00	0.00	2.00	0.00	2.00	0.00
Project Controls	4.80	4.65	4.80	4.65	4.80	4.65
Subtotal	22.10	26.35	22.10	25.35	22.10	23.35
Construction Management						
CM - CN 1252	0.00	0.00	0.00	0.00	0.00	0.00
CM - CN 1300	21.55	31.00	21.55	28.50	21.55	28.50
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	44.00	30.55	41.50	30.55	41.50
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**	**71.55**	**58.60**	**68.05**	**58.60**	**66.05**

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

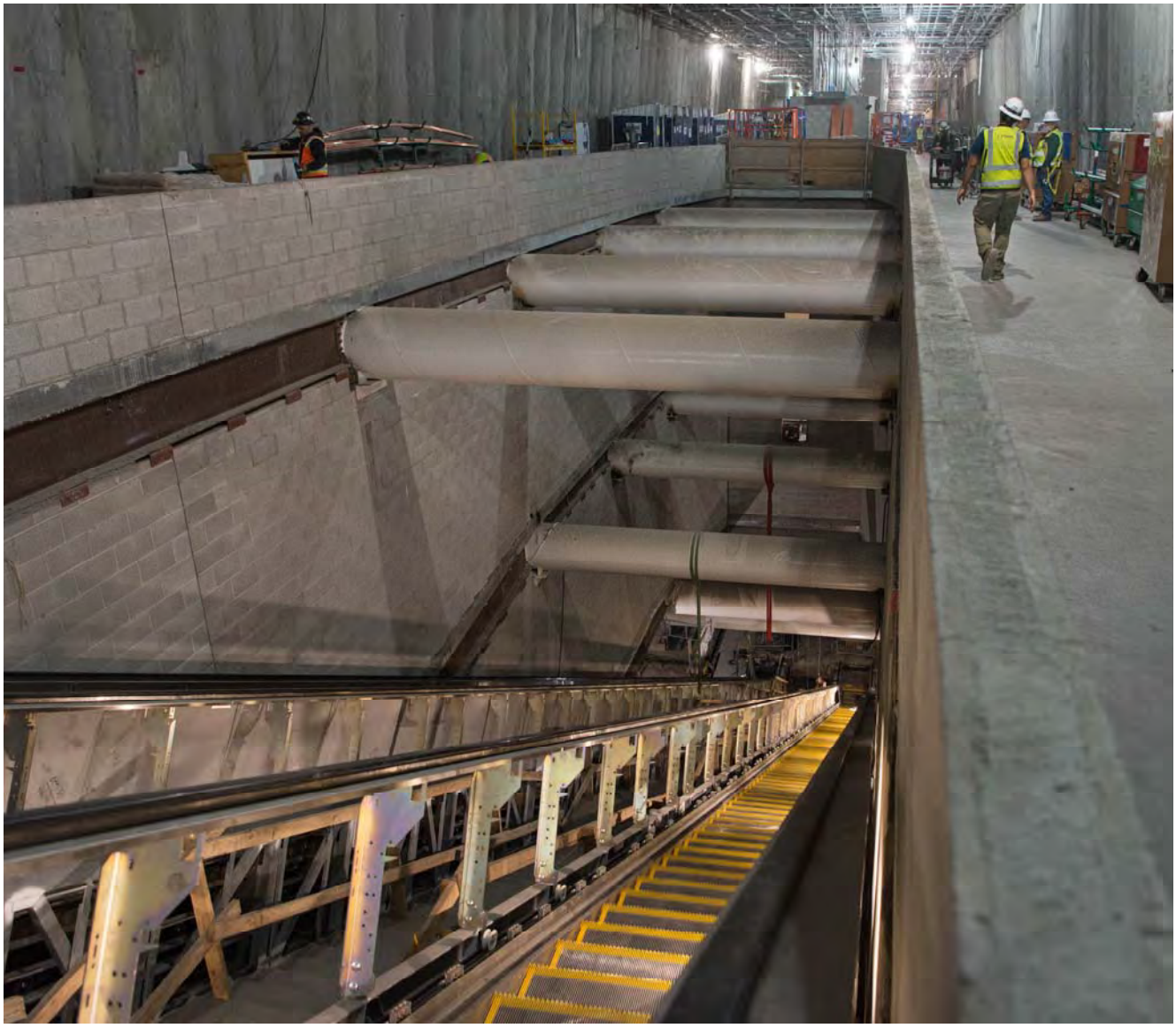
Third-Party Agreements

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.



Cylindrical steel struts span across the opening in the north concourse for Union Square/Market Street Station, where recently-installed escalators span far below to the station platform.

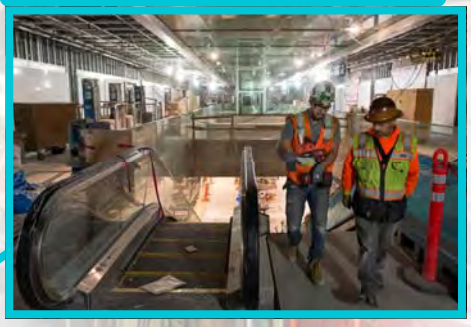
central T subway

Current Construction Activity

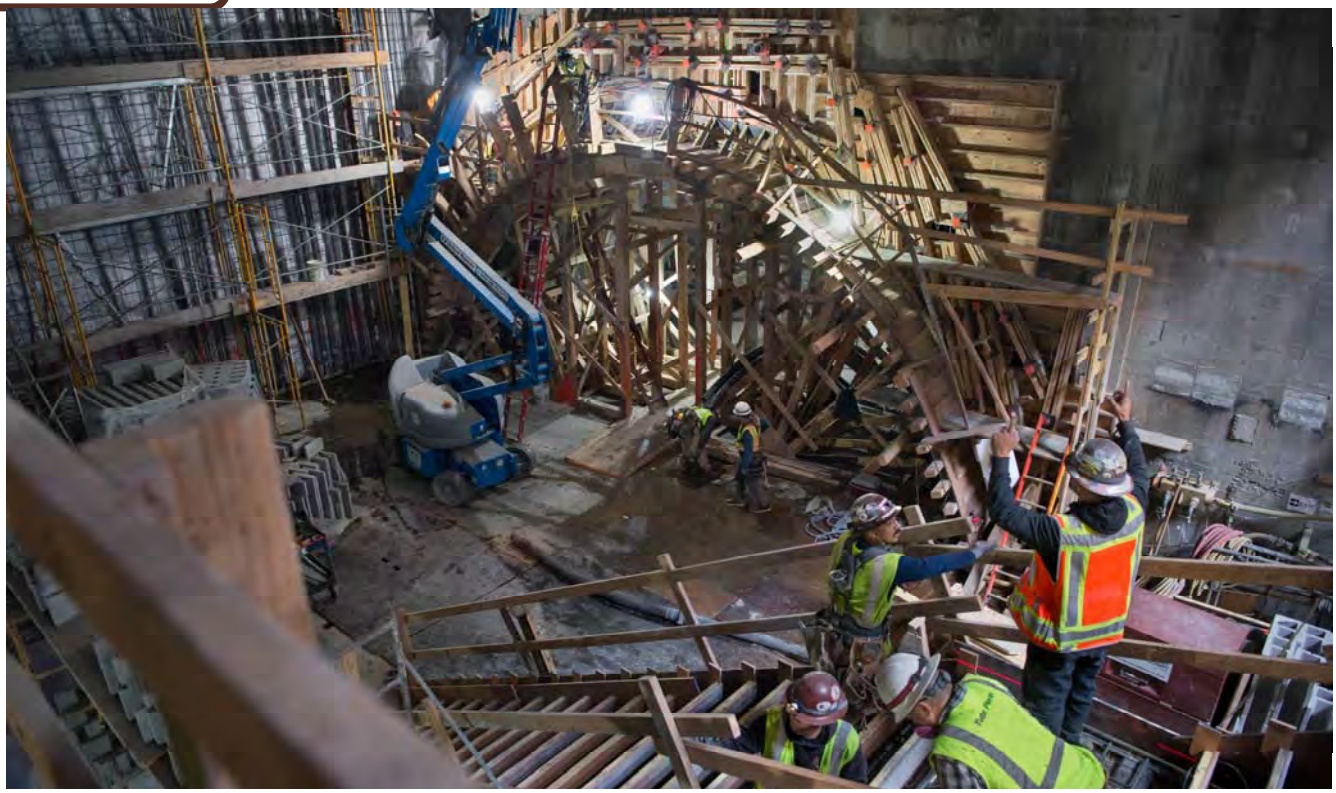
Chinatown (CTS)

Union Square/Market Street (UMS)

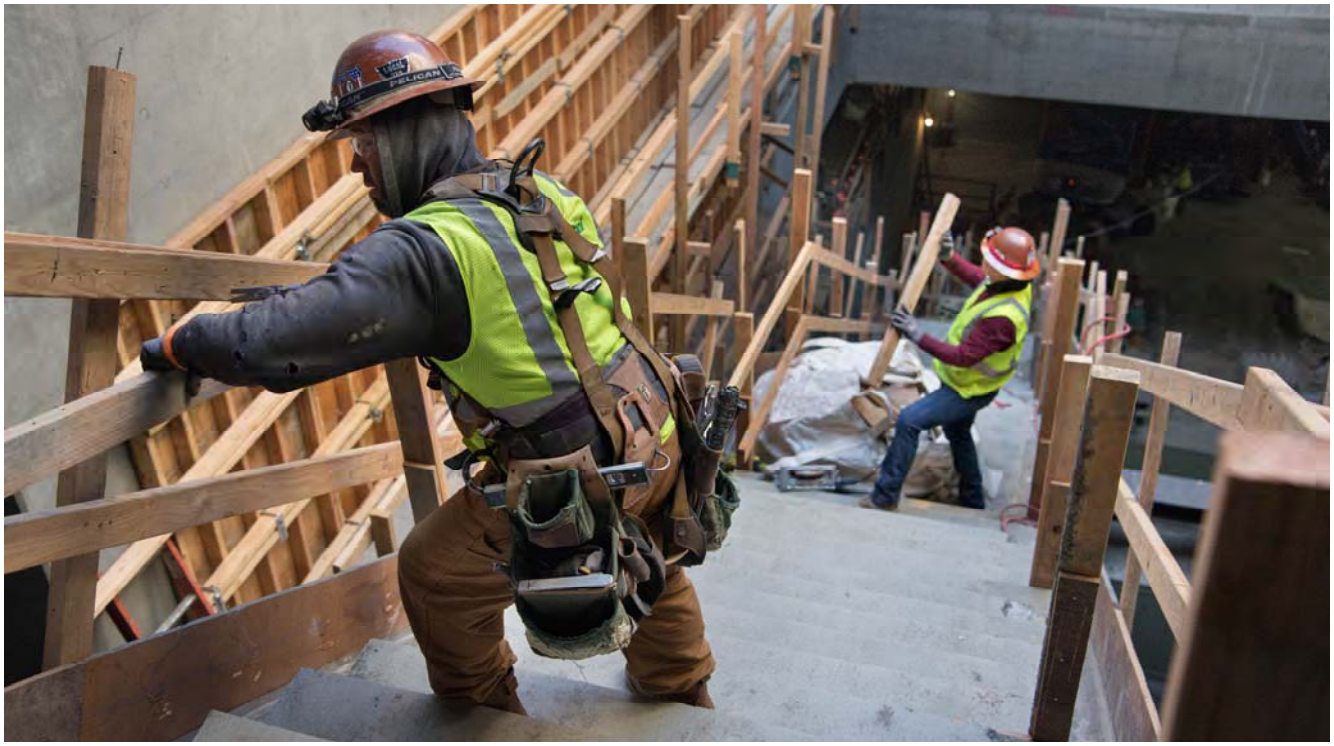
Yerba Buena/Moscone (YBM)



4th St. Surface Track, Systems (STS)



Concrete formwork has been built for the last section of arch construction at the China-town Station cross-cut cavern entrance, where future fare gates will be located.

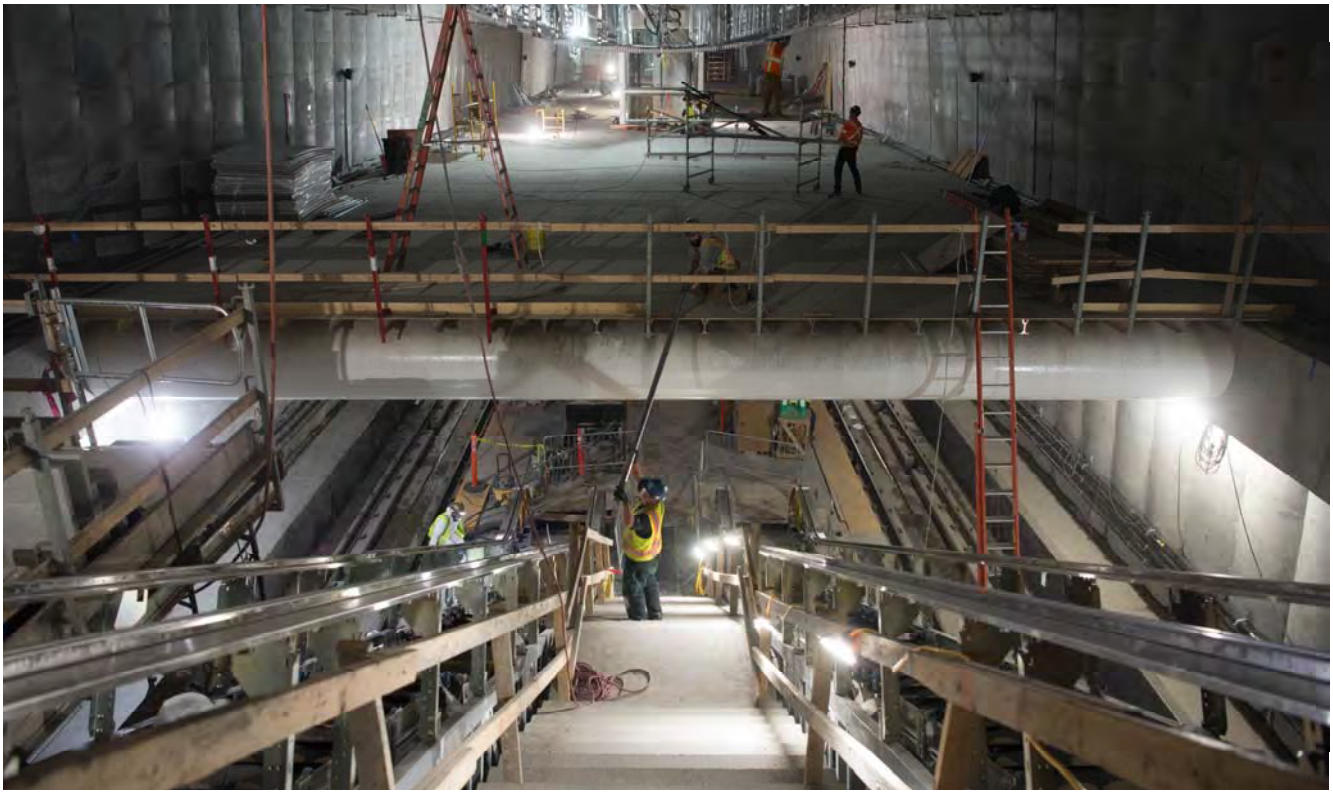


Carpenters reinforce a temporary railing along the west side of the main staircase leading into the future Chinatown Station headhouse lobby area.

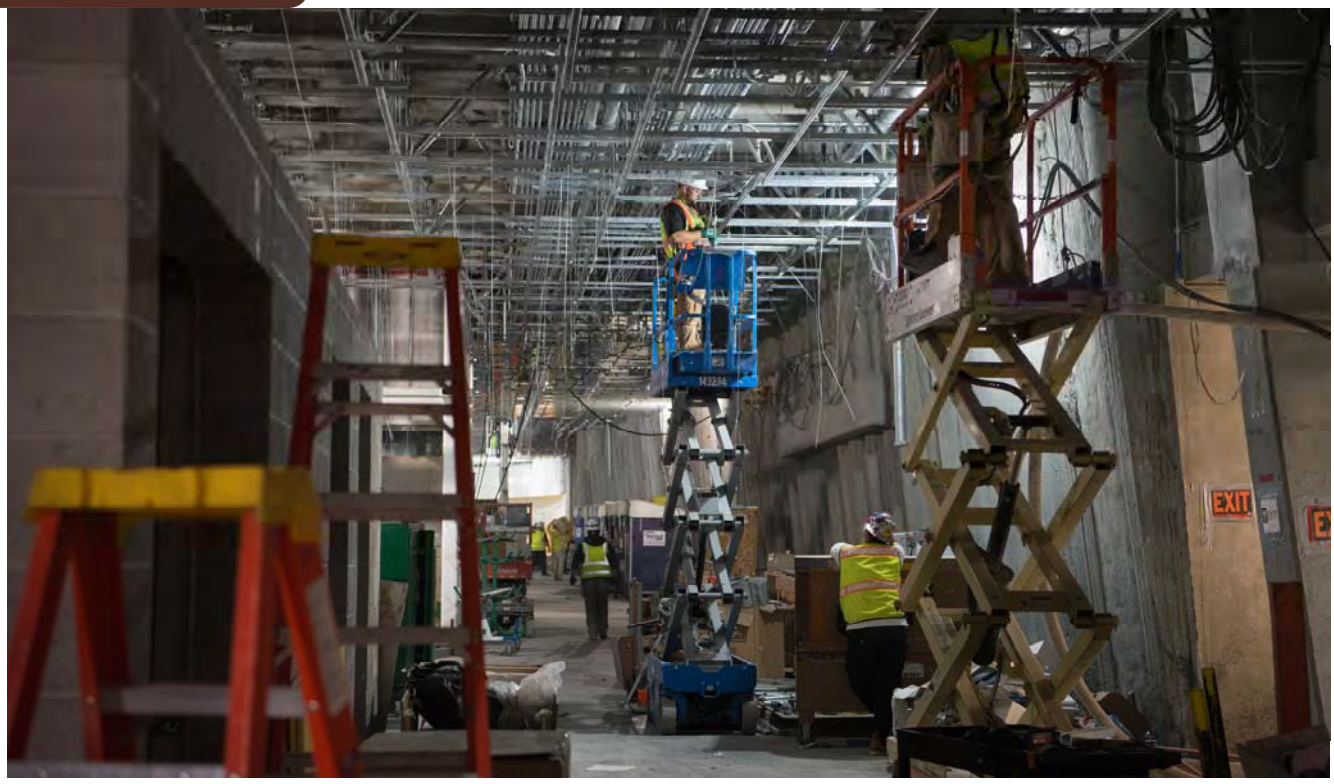
Sound reduction panels are being attached to steel brackets mounted to the arched concrete ceiling of the Chinatown Station platform cavern.

A 30 bus pulls up to the recently-opened temporary bus platform on Stockton just north of Washington.

A worker untangles a power cord from a vacuum at the base of the north escalators inside the station during work to prepare the station platform for terrazzo work.

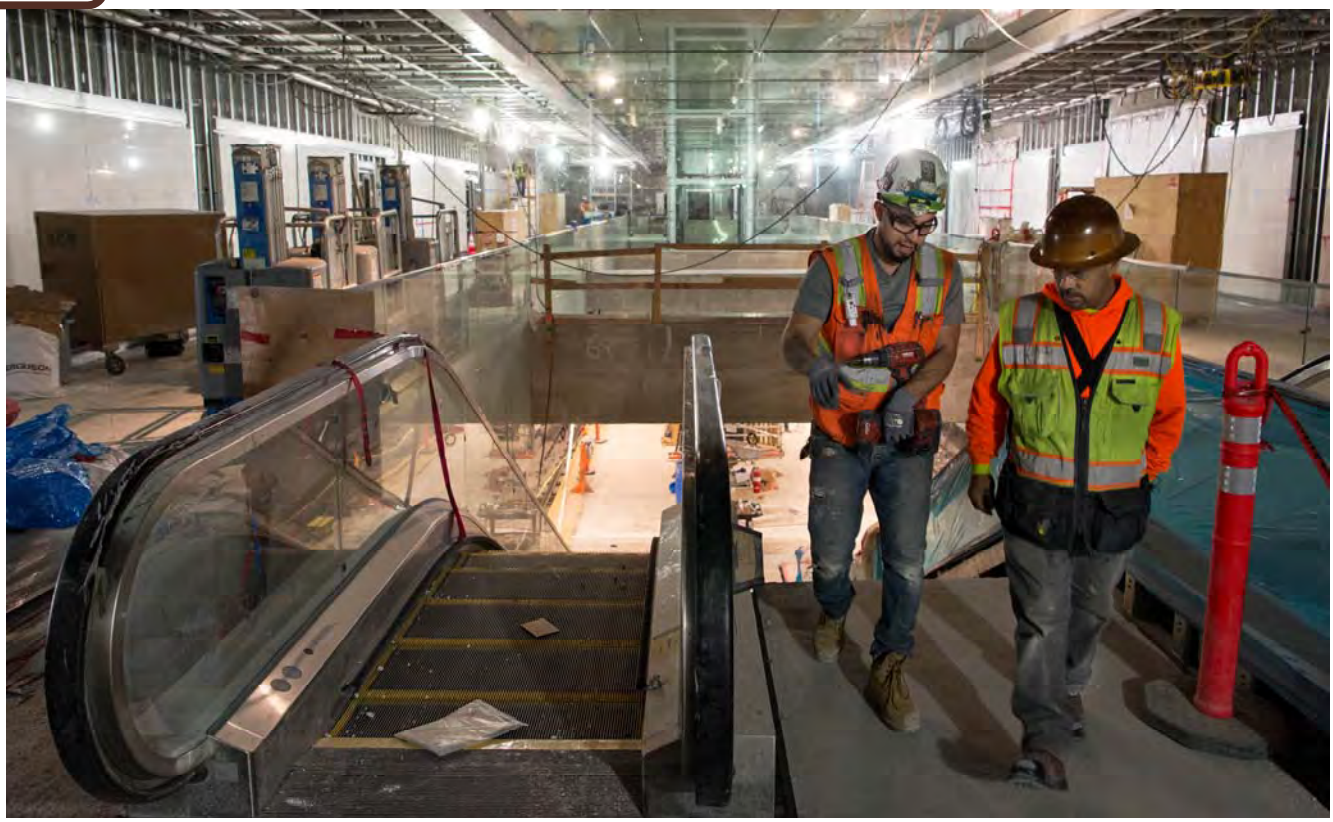


Crews continue installing a curved steel framework which will be used to mount public art and ceiling panels above the Union Square/Market Street Station platform.

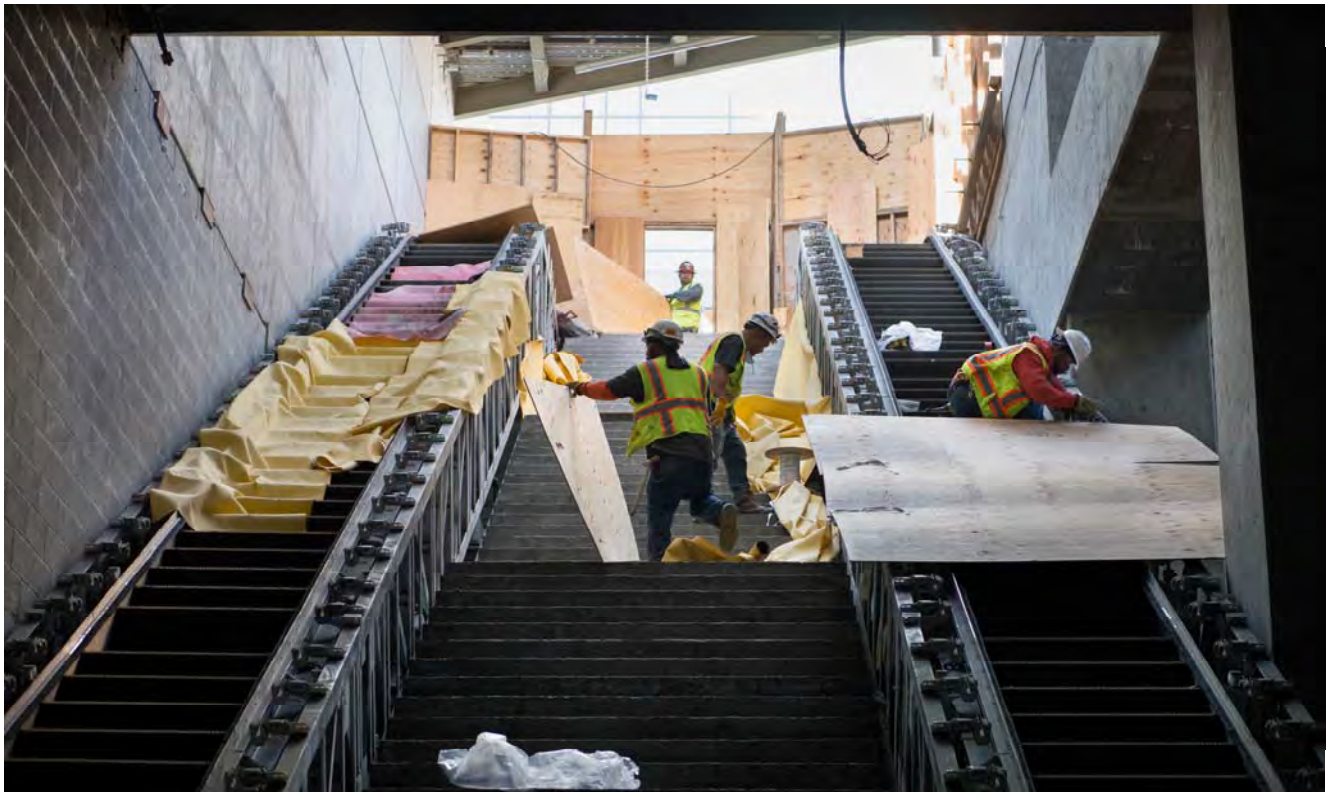


Workers hang wires which will be used to suspend ceiling panels and lighting on the east side of the Union Square/Market Street Station concourse.

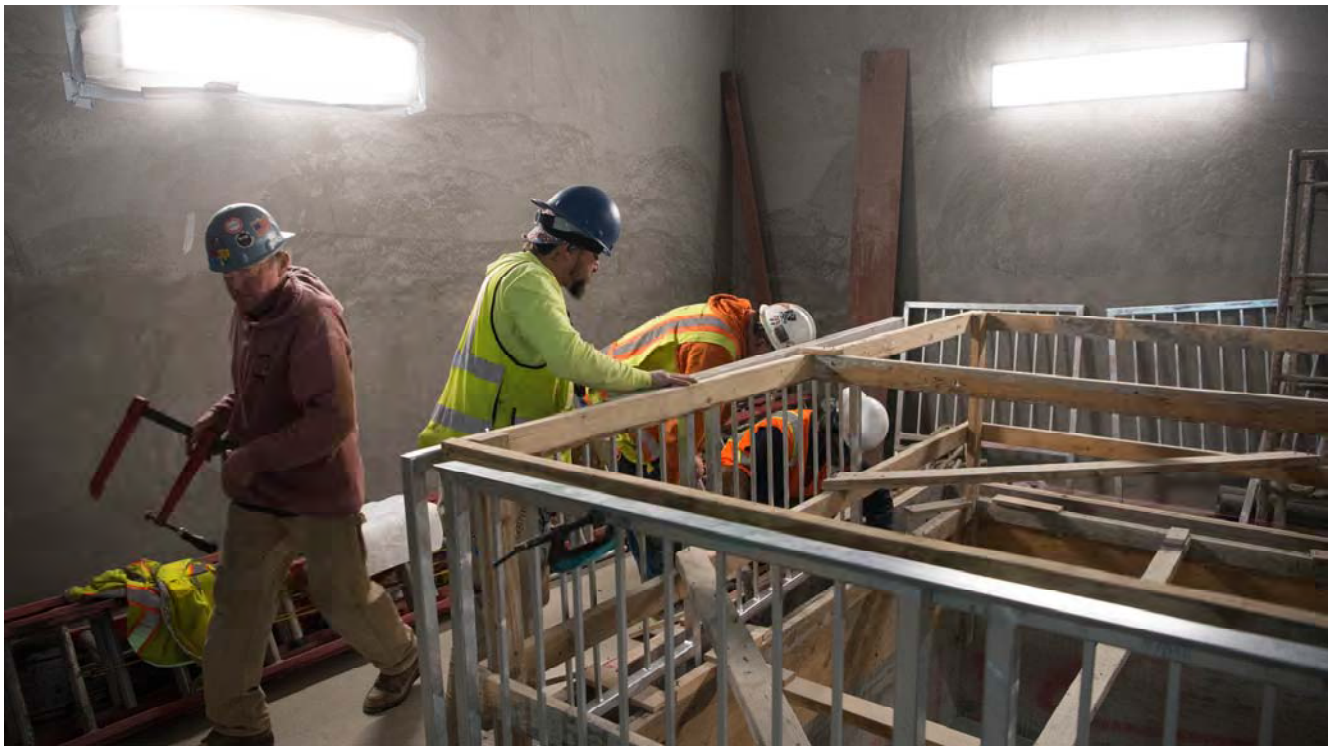
Rounded terrace blocks are being placed as part of the reconstruction of Union Square's southeast corner, adjacent to the new station entrance.



A steel lattice for installing ceiling panels and lighting is one of many interior elements being added to the Yerba Buena/Moscone Station concourse.



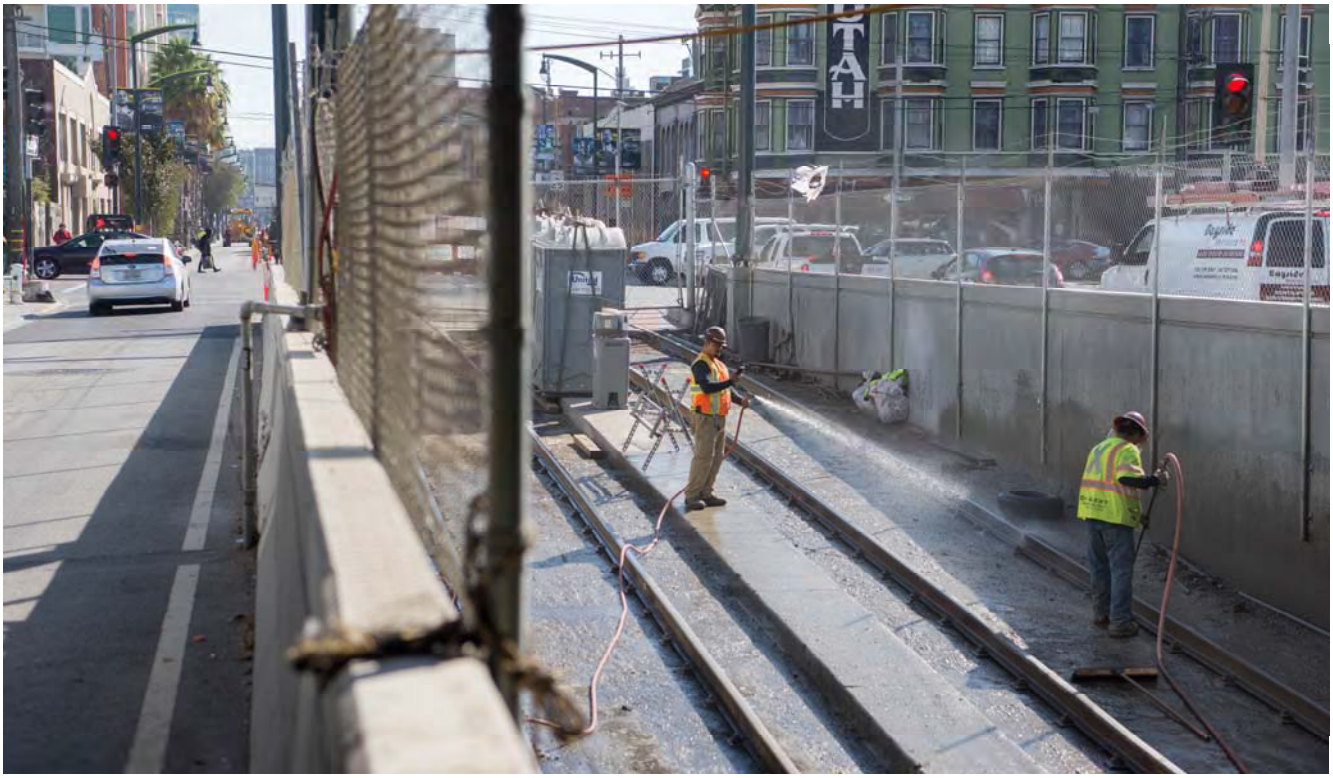
A crew places sheets of plywood and other protective measures over escalators, prior to conducting the next phase of structural work for the station entrance structure above.



Permanent steel railing is installed around an access shaft at the north end of the Yerba Buena/Moscone Station headhouse's mezzanine level.

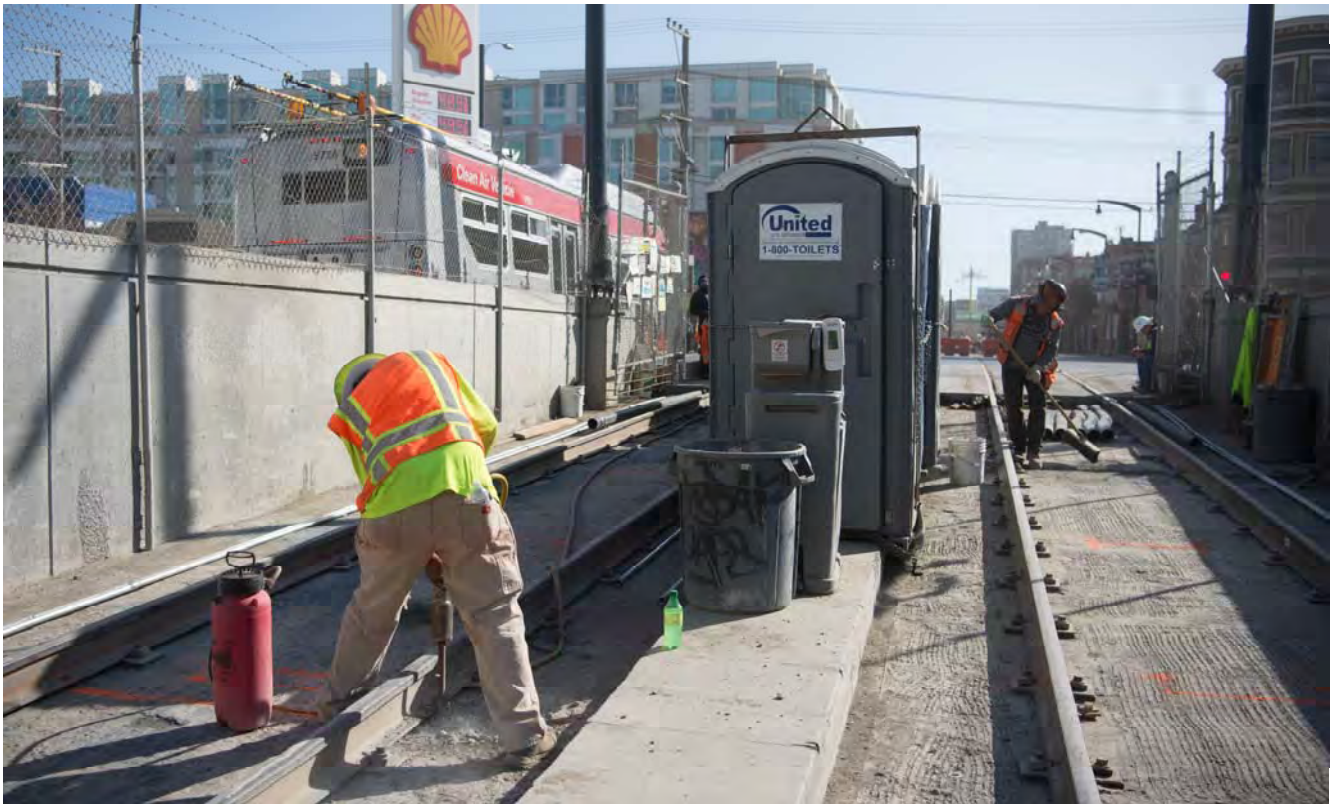
Large glass panels have been installed atop strut beams inside the concourse level of Yerba Buena/Moscone Station as part of the final station interior build-out.

A worker makes alterations to a steel floor panel inside the entrance for one of the tunnel cross-passages, where it meets the current end of the southbound track, north of the Chinatown Station platform.



Workers conduct site cleanup inside the tunnel portal just north of the 4th and Bryant intersection.

Crews are preparing to extend the dual trackways across the 4th and Brannan intersection.



A worker chips away concrete where conduits will be placed inside the tunnel portal ramp, while an associate conducts site cleanup nearby.

central T subway

Connecting people. Connecting communities.

Appendix A

DETAIL COST REPORTS

*November 2019 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 the Program's Estimate at Completion (EAC) as part of a workshop with FTA. When the report is finalized, the Program will adjust the overall Program budget and contingency.

Total net incurred costs for the project are $1,456.59 million, a $12.26 million increase over last month. The cost to date figure reflects expenditures through FAMIS 786 Report ($1,400.65 million) plus the utilities joint trench Form B Reimbursement payment ($12.51 million), invoices currently being processed ($34.57 million) and estimates of outstanding pay requests ($8.88 million). This incurred amount equals 92.3% 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**	69	3/31/2016	$ 13,280.00
*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	115	9/30/2019	$ 292,267.95
*CS155.2**	116	10/31/2019	$ 292,267.95
*CS155.2**	117	11/30/2019	$ 292,267.95
CS155.3	110	5/31/2019	$ 46,965.45
CS155.3	111	6/30/2019	$ 62,774.96
*CS155.3**	112	7/31/2019	$ 62,774.96
*CS155.3**	113	8/31/2019	$ 62,774.96
*CS155.3**	114	9/30/2019	$ 62,774.96
*CS155.3**	115	10/31/2019	$ 62,774.96
*CS155.3**	116	11/30/2019	$ 62,774.96

CONTRACT	PP NO	PP PERIOD TO	PROG PYMT AMOUNT
CN1300	70	9/30/2018	$ 10,850,128.00
CN1300	71	10/312019	$ 12,983,298.00
CN1300	72	11/302019	$ 10,336,939.00
*CS149**	125	4/30/2019	$ 1,198,779.28
*CS149**	126	5/31/2019	$ 1,198,779.28
*CS149**	127	6/30/2019	$ 1,198,779.28
*CS149**	128	7/31/2019	$ 1,198,779.28
*CS149**	129	8/31/2019	$ 1,198,779.28
*CS149**	130	9/30/2019	$ 1,198,779.28
*CS149**	131	10/31/2019	$ 1,198,779.28
*CS149**	132	11/30/2019	$ 1,198,779.28
*CS156**	95	10/31/2018	$ 20,701.47
*CS156**	96	11/30/2018	$ 20,701.47
*CS156**	97	12/31/2018	$ 20,701.47
*other accruals**		11/30/2019	$ (1,856,137.03)

** Estimated Amount* **$ 43,454,874.68**

2. CONTINGENCY ALLOCATIONS AND USAGE

The current Total Project Contingency is negative $7.88 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 November 2019 Report, the Preliminary Earned Value Analysis reports is based on the SFMTA November Schedule Update. The Planned Value, Earned Value, Actual Cost, Percent Complete and resulting indexes as follows:

Preliminary November Earned Value

Overall Budgeted Cost:	$1,578,300,000
Planned Value:	$1,578,429,129
Earned Value:	$1,437,291,469
Actual Cost:	$1,456,585,813
Schedule Performance Index (SPI):	0.91
Cost Performance Index (CPI):	0.99
Percent Complete:	90.2%

SFMTA, EV Chart

NOVEMBER 30, 2019 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**	**14-Jul-23**	**90.19%**	**$1,578,290,999.95**	**$1,578,429,128.96**	**$1,437,291,468.13**	**$1,458,585,813.42**	**0.99**	**0.91**
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%	$115,075,887.10	$115,075,887.06	$115,075,887.06	$113,850,952.17	1.01	1.00
Light Rail Vehicles		15-Apr-13 A	28-May-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	$30,543,084.53	1.22	1.00
Construction Phase		03-Jan-10 A	05-Jun-22	90.98%	$1,360,858,864.80	$1,343,500,076.39	$1,238,090,394.47	$1,253,820,489.47	0.99	0.92
Construction Support and Costs		03-Jan-10 A	05-Jun-22	94.80%	$210,224,127.80	$199,862,849.06	$189,250,560.90	$186,913,738.65	1.01	0.95
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%	$20,694,081.47	$20,794,582.00	$20,794,582.00	$20,669,081.47	1.01	1.00
Construction Tunnels CN-1252		08-Jun-11 A	28-Nov-19	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-1256 ATCS		20-May-14 A	09-Nov-20	11.81%	$18,038,709.00	$15,175,710.73	$2,129,643.60	$50,000.00	42.59	0.14
Construction STS P-XXXX Radio		27-Aug-19 A	06-Aug-20	0.8%	$4,809,852.50	$1,428,040.70	$38,735.60	$32,098.00	1.21	0.03
Construction CN-1300		03-Jun-13 A	18-Nov-20	91.34%	$881,639,691.00	$843,201,666.67	$778,299,748.08	$800,476,167.01	0.97	0.92
Unallocated Contingency		26-Nov-19	29-Jul-21	0%	$8,882,699.00	$9,519,456.49	$0.00	$0.00	0.00	0.00
Project Management		30-Jul-21	14-Jul-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

central T subway

Connecting people. Connecting communities.

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**				

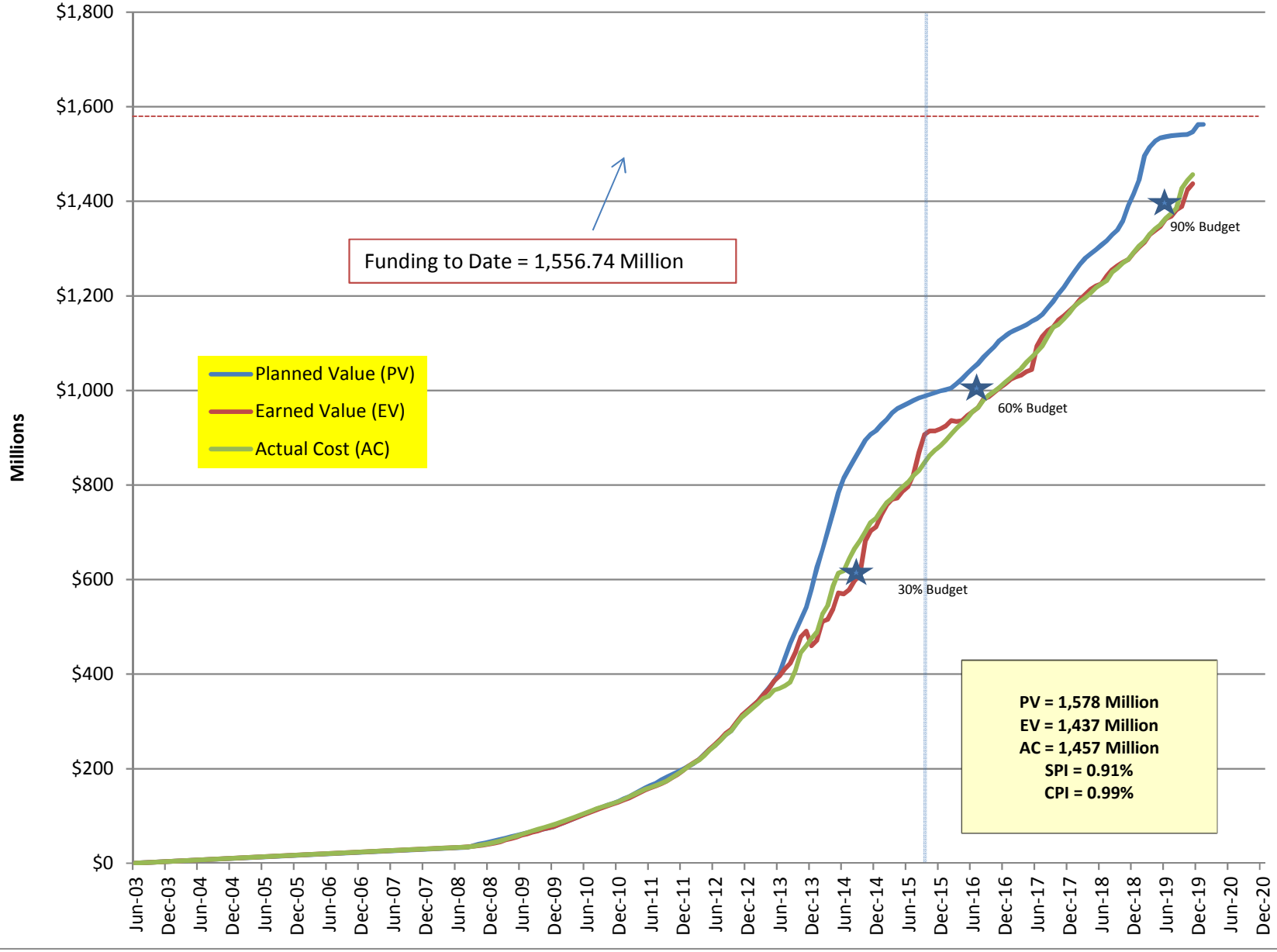
C. Central Subway Project - Project Offset Credits

	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
		Total:	**$24,695,609**				

central T subway

Earned Value Cash Flow Curve

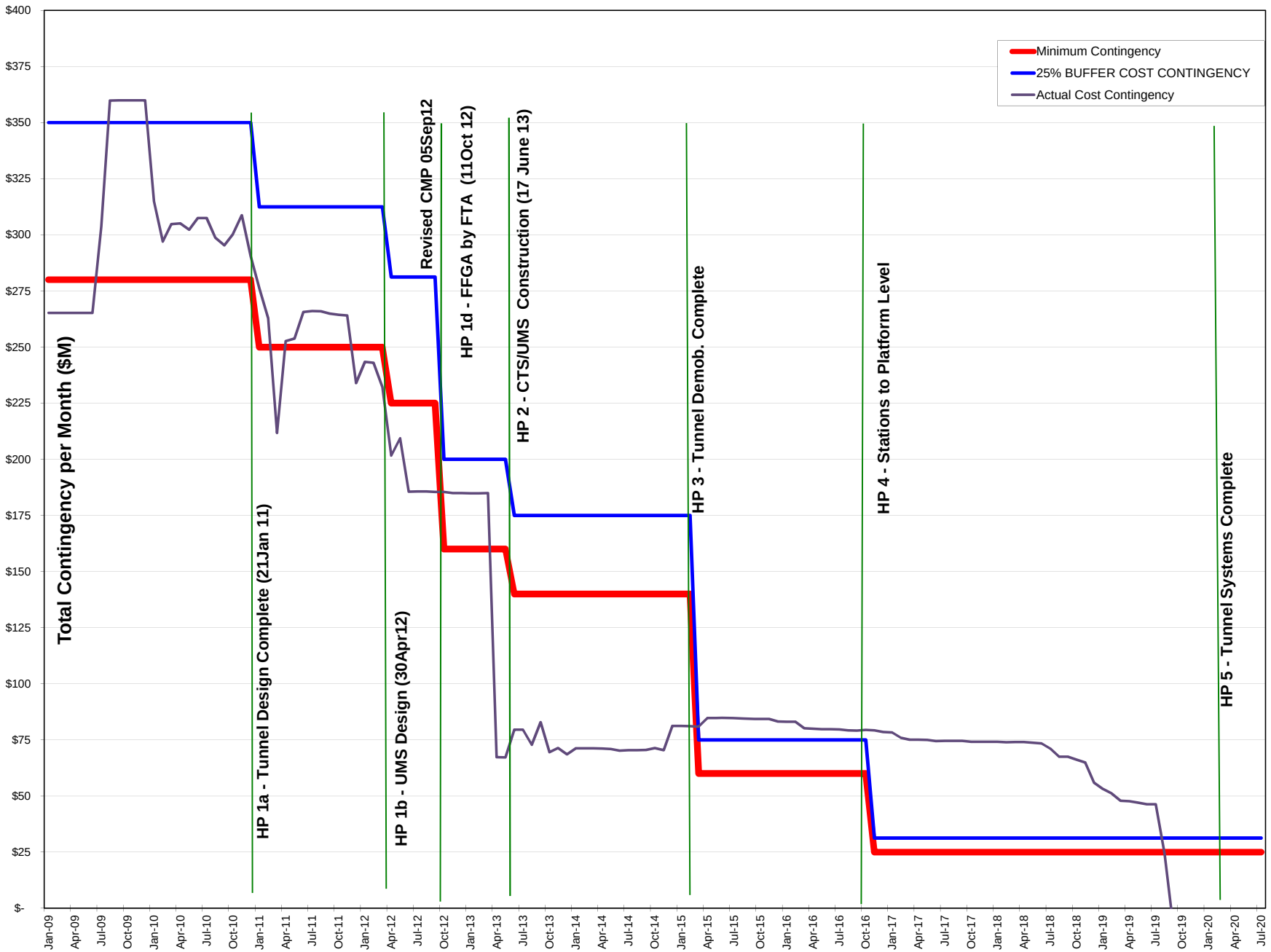
Report Period: November 2019
7.2 EARNED VALUE CASH FLOW



central subway

Cost Contingency Drawdown

Report Period: November 2019
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	39,244,142	878,920,542	16,546,749	895,467,292	20,000,000	20,000,000	21,963,291	(17,280,851)	(33,827,601)	861,639,691	(33,827,601)	21
	1253 UNION SQUARE/MARKET ST STATION [UMS]	294,030,590	7,744,337	301,774,927	13,827,678	315,602,605	5,000,000	15,000,000	20,000,000	12,255,663	(1,572,015)	314,030,590	(1,572,015)	
	1254 CHINA TOWN STATION [CTS]	247,567,810	42,839,633	290,407,443	1,062,407	291,469,851	5,000,000	5,000,000	10,000,000	(32,839,633)	(33,902,041)	257,567,810	(33,902,041)	*22*
	1255 YERBA BUENA/ MOSCONE STATION [YBM]	158,089,000	3,241,425	161,330,425	2,121,250	163,451,675	5,000,000		5,000,000	1,758,575	(362,675)	163,089,000	(362,675)	
	1256 SURFACE TRACKWORK & SYSTEMS [STS]	139,989,000	(14,581,253)	125,407,747	(464,587)	124,943,161	5,000,000		(13,036,709)	1,544,544	2,009,130	126,952,291	2,009,130	
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	69,640,782	1,207,489,243	16,546,749	1,224,035,993	52,139,137	(3,461,158)	53,519,929	(16,120,851)	(32,667,601)	1,191,368,391	(32,667,601)	*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	77,192,747	1,586,179,760	16,546,749	1,602,726,510	77,483,102	(15,992,150)	66,332,902	(7,879,760)	(24,426,510)	1,578,299,999	(24,426,511)	

Total Project Budget	**1,578,300,000**	28
Estimate At Completion	**1,602,726,510**	29
Variance	**(24,426,511)**	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**	**$878,920,542**
Substantial Completion	**6/29/2020**	**6/29/2020**

	UMS	CTS	YBM	STS	COST REPORT NOTES
Potential Changes	**13,827,678**	**1,062,407**	**2,121,250**	**(464,587)**	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				150,001	
STS COR #91 PG&E Vault Conf 16" Wtr				34,149	
STS PCC #020 Deletion of ARS				(2,578,966)	
UMS COR 12 Fire Hydrant @ OFarrell	22,500				
UMS COR 578 Elev./Escalator Monitor	55,133				
UMS COR 579 Elevators 1-4 SFFD	14,518				
UMS COR 892 Escalator Raceways	90,004				
UMS PCC 298 Sewer at Stair 3 and 4	15,233				
USG COR 652 Elev. 1 & 2 Cond. Shaft	8,232				
YBM COR 1907 Added Nelson Studs to			9,814		
YBM PCC 318 Station Door Hardware M			824,267		
Change Order Request (COR)					
CTS COR 1655 Track Slab Pour Delay		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 1760 Flat Jack System		0			
CTS COR 1945 Escltr 3&4 Intrmdt Spp		0			
CTS COR 1981 Fire Protection Spinkl		0			
UMS COR 1806 Unfinished Columns	3,479				
UMS COR 1937 Fisk Electric Labor Es	8,107,568				
UMS COR 1962 Fire Alarm Requirments	0				
UMS COR 1965 Wayfinding Signage Obs	0				
UMS COR 1967 Water Testing	591				
UMS COR 1975 EV Fan Control Panel 1	31,936				
UMS COR 1977 Traffic Signal Switcho	0				
UMS COR 1988 Glass & Ceiling Panel	0				
USG COR 275 Conn. Plaza Grid B	0				

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	**$839,676,400**	**$878,920,542**
Substantial Completion	**6/29/2020**	**6/29/2020**

	UMS	CTS	YBM	STS	COST REPORT NOTES
USG COR 767 St Cas Column Conflict	20,281				
YBM COR 1979 Change Stair 2 Landing			0		
YBM COR 1983 Revised PDS Sign Mount			0		
YBM COR 1992 Delay to DBI Green Tag					
YBM COR 1995 Metal Frming for Ticke					
Negotiation					
CTS COR 1177 NDSC Unknown Utilities		2,575			
CTS COR 1621 HVAC 120VAC Requiremen		0			
CTS COR 1701 Added Vapor Control		24,829			
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 1889 Redesign of AWSS at Wa		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 445 3x5 w/ HDPE/PVC Inside		(12,291)			
CTS COR 681 Crss Cut Cvrn SEM Excvn		30,001			
CTS COR 686 Es & Gls Enc Slf Clning		3,358			
CTS PCC 352 Downspout Requirement		411			
CTS PCC 378 Crosscut Tunnel Final L		953			
CTS PCC 379 Increase Door Size		2,647			
CTS PCC 380 Add Fire Hose Valves		10,170			
CTS PCC 381 Relocation of TP Boxes		0			
CTS PCC 404 Escalator & Stair Glass		500			
CTS PCC 412 Add a conduit for the N		4,973			
CTS PCC 433 Beam Reinforcement at I		10,185			
CTS PCC 492 Upper & Lower Mez Surev		1,689			
CTS PCC 493 CMU Walls		0			
CTS PCC 497 Tie in AT&T Conduit to		3,507			
CTS PCC 500 Existing Sewer Manhole		4,160			
CTS PCC 501 N. Emergency Exit Stair		500			

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	**$839,676,400**	**$878,920,542**
Substantial Completion	**6/29/2020**	**6/29/2020**

	UMS	CTS	YBM	STS	COST REPORT NOTES
CTS PCC 506 Added Drain Pipe		0			
CTS PCC 507 Provide Core Drill & Co		93,792			
CTS PCC 517 Electrical Equipment Pa		8,740			
CTS PCC 525 HH UP Wall Relocation		0			
CTS PCC 526 Extnd HH Waterproofing		0			
CTS PCC 529 Add Disconnect Switches		27,364			
CTS PCC 530 Equip Reloc Traction Pw		0			
CTS PCC 535 GFRC Supoprt Steel at C		85,864			
CTS PCC 537 Fie Rated Enclosuer		0			
CTS PCC 539 Light Fixture Spprt Ste		0			
CTS PCC 547 Revised SFFD Cabinet Si		5,436			
CTS PCC 563 Stockton St Con Bus Pad		28,602			
CTS PCC 564 Mods to Underplatform W		166,983			
CTS PCC 566 Eliminate Fire Rating		1,652			
CTS PCC 580 Train Control Room Fini		2,928			
CTS PCC 584 Bent Plate		18,474			
CTS PCC258 Start PCN before Com PCS		0			
PCC 432 Station Agent Booth Slab Op		706			
PCC 587 CTS Increase Fire Rating		0			
STS COR #88 Modify CBs and Culverts				2,198	
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 1276 Install Culvert 4th Br				(3,527)	
STS COR 1278 MRY Vault Cables				25,000	
STS COR 1290 Traf Sig Box Confl				3,346	
STS COR 1320 Accel Sewer Work				15,000	
STS COR 1333 Changes to Marquee				1,748	
STS COR 1351 Tele Volt Power				0	
STS COR 1364 Culvert Confl Trk Drn				1,001	
STS COR 1445 Unkwn Fiber Pave Reno				6,000	
STS COR 1510 Sta Canopy Column Slee				2,501	
STS COR 1545 ATCS Signal Recommenda				1	
STS COR 1615 Public Safety Comms				1	

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	**$839,676,400**	**$878,920,542**
Substantial Completion	**6/29/2020**	**6/29/2020**

	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 1700 Reject O&M Submittals				15,000	
STS COR 1720 Walkway Tunnel Inserts				8,500	
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 1812 Added Costs SFMTA				747,783	
STS COR 1816 Trackway Info for PAV				0	
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 456 Conflicts w/ MRY Poles				10,000	
STS COR 518 Wayside Signals				(1)	
STS COR 567 Loct of Plinth Breaks				5,000	
STS COR 615 Sump Pump Pit Cover				5,327	
STS COR 657 Tunnel Ca Bsn Dsn Chang				1,750	
STS COR 682 Shtdown #1 Rail Mods				4,716	
STS COR 787 AT&T Dct Bnk InCw N 36"				17,500	
STS COR 813 Permissive Signal				5,001	
STS COR 826 DSC Swr Cap & I Beams				7,500	
STS COR 834 Thales ATCS TC Pwr Dist				(1)	
STS COR 852 Caltrans Encrocmnt Prmt				(1)	
STS COR 874 Inter Loc of MRY Dc Bk				10,000	
STS COR 890 Ex Pll Box Incon Crb Rm				1,501	
STS COR 909 PGE Gas Interruption				29,350	
STS COR 926 E TS conduits conf w pa				5,000	
STS COR 927 E Gas Conf w N CB				1,500	
STS COR 930 SW Cracks Conf w Grout				2,500	
STS COR 934 Revised Curb/Gutter				250	
STS COR 962 4th/King Incomp Hrdwr				17,224	
STS COR 999 E 18" Steel Pipe Confli				0	
STS PCC 052 Deletion of ARS Pt II				(93,893)	
STS PCC 114 Stdpipe & Cond @ Portal				196,715	

Contract Modification/Trend Log - Contract 1300 Stations

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Substantial Completion	**6/29/2020**	**6/29/2020**

	UMS	CTS	YBM	STS	COST REPORT NOTES
STS PCC 206 Replace CCTV equipment				(157,632)	
STS PCC 223 4th and King Advnc Wrk				16,366	
STS PCC 265 Phone Encl Blue Light				49,761	
STS PCC 308 Crossover Rail Bonding				7,923	
STS PCC 311 Vetag Infrastructure				38,794	
STS PCC 313 Pave Reno Weekend				192,426	
STS PCC 319 4th Bran Pave Reno Wknd				53,179	
STS PCC 326 Train Control Cab As-Bu				35,718	
STS PCC 359 4th Bryant Pave Wkend				0	
STS PCC 396 Additional Tunnel Light				214,800	
STS PCC 422 ATCS Switch Machine				0	
STS PCC 573 Townsend Handrails				916	
STS Track Switch Machine Change				73,769	
UMS COR 1074 Traffic Signal Footing	(5,052)				
UMS COR 1089 6-inch Fire Line	892				
UMS COR 1167 South Headwall Repair	32,501				
UMS COR 1190 Mtr Pedestal at Mrkt S	5,001				
UMS COR 1229 Granite Base Footing	1,001				
UMS COR 1301 Wtrprfing under 71 Ell	25,000				
UMS COR 1335 Scaffold @ NW Crnr Ell	2,500				
UMS COR 1366 Broken WD at Macy's	1,501				
UMS COR 1416 Brkrm Domestic Water	2,501				
UMS COR 1460 Removal of CB on UD302	401				
UMS COR 1479 Incorr Sewer Laterals	2,501				
UMS COR 1657 Elev 3 & 4 Delay	5,001				
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 1800 Omitted Sply Fan & Fir	77,500				
UMS COR 1851 Concourse Lvl Main Ele	10,000				
UMS COR 1884 Restoration of OCS	2,500				
UMS COR 1893 All Sta Martinez Steel	575,000				
UMS COR 1910 Schindler Elev Delay Cl	3,326,593				
UMS COR 1917 Cncrs Sec 2 Lghtng Cnt	15,000				
UMS COR 1922 SCADA Analog Connecti	20,000				

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	**$839,676,400**	**$878,920,542**
Substantial Completion	**6/29/2020**	**6/29/2020**

	UMS	CTS	YBM	STS	COST REPORT NOTES
UMS COR 1938 Plaza Vent Wall Slab C	17,500				
UMS COR 1950 Elevator Shrink Wrap W	5,001				
UMS COR 492 Jet Grout at N.Headwall	25,001				
UMS COR 493 Steel Shape Inside Pile	12,501				
UMS COR 817 Odor at N. Concourse	50,000				
UMS PCC 118 Elevator Overhead Hoist	105,823				
UMS PCC 225 Add Two S.S Enclosures	0				
UMS PCC 273 N Entrce Cncrs Lvl HVAC	0				
UMS PCC 292 USG Mechanical Room	28,076				
UMS PCC 299 South Concourse Opening	5,199				
UMS PCC 303 USG Ramp Island	8,439				
UMS PCC 449 EVS FCP Control Panels	5,659				
UMS PCC 48.1 Sewer Line Conflict	70,157				
UMS PCC 484R1 CN03B OH Coil Grille S	0				
UMS PCC 490 Core & Sleeve Penetrati	29,987				
UMS PCC 495 Reroute Spklers BART En	0				
UMS PCC 511 Concourse Utility Chase	11,271				
UMS PCC 519 Add CN05A Exit Sign	6,490				
UMS PCC 53 MRY Duct Bk West Conflt	57,725				
UMS PCC 561 Add Struts for Curved M	50,000				
UMS PCC 562R1 Revisions Door CN12B	16,328				
UMS PCC 94 Repair MRY Ductbank Y	2,714				
USG COR 998 Class 1 Hazardous Soil	100,000				
USG PCC 108 Con Wok chges du to DSC	225,512				
USG PCC 109 Rein Dtls for Struc Con	72,077				
USG PCC 128 Dowls of Rbar Conn Dtls	85,095				
USG PCC 157 Plaza Level Vent Shaft	0				
YBM COR 1155 Live AT&T Cable			10,000		
YBM COR 1348 Added Rebar Dowels int			1,979		
YBM COR 1349 DSC Confl w/(E) TS Box			2,001		
YBM COR 1454 Changes to Heat Recove			6,001		
YBM COR 1578 Added Drain Rock aroun			51		
YBM COR 1618 Instrum & Cntrl for HV			0		
YBM COR 1640 Topping Slab Design De			13,347		
YBM COR 1740 Conflict w/Traffic Sig			3,750		

Contract Modification/Trend Log - Contract 1300 Stations

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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 1936 Conflict of Metal Ceil			0		
YBM COR 1948 Missing Mounting Detai			5,000		
YBM COR 1954 Mntng Hghts CCTV Cam			2,500		
YBM COR 1963 Corfirm Smoke Detector			3,500		
YBM COR 1964 Location of Tamper Res			2,500		
YBM COR 1972 Change Invert Door Ope			8,500		
YBM COR 390 Chip Mezzanine Headwall			30,003		
YBM PCC 268 Rstroom Fclty Wall Revs		1,574			
YBM PCC 361 Station Agent Booth Det			110,153		
YBM PCC 362 Rev. to Platform Displa			2,500		
YBM PCC 591 ECP Access Panel and Ro			0		
YBM PCC 59R Pavers Basis of Design			3,758		
YBM PCC 602 Add 3-way light switchi			5,053		
YBM PCC 612 Rev. at Elevators 3 & 4			40,013		
Proposed Contract Change (PCC)					
CTS PCC 119 Pltform Lvl Wall Art In		(1)			
CTS PCC 456 Throat Size and Anchor		0			
CTS PCC 458 Upsize Main Breaker Tri		250			
CTS PCC 471 Additional 120 VAC Powe		3,500			
CTS PCC 486 Structural Slab Changes		5,000			
CTS PCC 521 Add Vapor Barrier		14,845			
CTS PCC 548 Spot Acceleration		100,000			
CTS PCC 556 Station Agent Booth Rev		25,000			
CTS PCC 558 Maintenance Hatch Rebar		7,500			
CTS PCC 567 Weld Rebar Dowel to I-B		2,500			
CTS PCC 574 Delete Door at INT Level		1,500			
CTS PCC 574 R1 Door and Access Pane		1,500			
CTS PCC 578 Plaza Lvl Framing Beams		500			
CTS PCC 581 Additional Power to Pan		2,000			
CTS PCC 583 Revise Cable Tray		250			
CTS PCC 589 Sequence of Operation R		0			
CTS PCC 593 Station Benches Change		500			
CTS PCC 596 Re-route DCW Lines		1,000			
CTS PCC 606 CTS Duct Conflict		0			

Contract Modification/Trend Log - Contract 1300 Stations

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	UMS	CTS	YBM	STS	COST REPORT NOTES
CTS PCC 607 Add Service Line & Meter		15,000			
CTS PCC 608 Reinforcing and Waterpr		7,500			
CTS PCC 611 CTS Escalator 3 & 4 Sup		48,067			
CTS PCC 613 Beam Connection Details		500			
CTS PCC 614 Reverse Airflow Switch		2,500			
CTS PCC 619 Platform Level Door Mod		5,000			
CTS PCC 623 Box Strut Light Detail		100,000			
CTS PCC 635 CN Level CMU wall Reloca		3,000			
CTS PCC 640 Concrete Beam Stair 5		5,000			
CTS PCC 641 Fire Rated Enclosure PGE		10,000			
CTS PCC628 Police Officer at Powell		75,000			
GEN PCC 421R1 Delete SFFD Fire Tele				(158,500)	
GEN PCC 522R2 Provide 4-Way FDCs			7,500		
GEN PCC 605 Relct Undrcr Deluge Pipe			5,000		
GEN PCC 625 PGE SmartMeter Elect Req		3,000			
PCC 575 CTS Emergency Command		2,500			
PCC 586 CTS Slurry & C.I.P Wall Conn		2,000			
STS PCC 160 ATCS Change Reverse Run				37,500	
STS PCC 248 Restab Trac Pwr Ductban				10,000	
STS PCC 250 Add 2" TP Riser Conduits				10,000	
STS PCC 264 Track Drainage Mod				(7,500)	
STS PCC 276 Traffic Signal Changes				2,500	
STS PCC 306 Adv Track Slab Excav				2,500	
STS PCC 459 Plinth Conflict at CTS				15,000	
STS PCC 461 Track Slab Mod PGE 5807				1,000	
STS PCC 481 NL Drainage and Bulkhea				15,000	
STS PCC 546 OCS Wood Trough				(1,500)	
STS PCC 551 4th Brannan Refuge Area				25,000	
STS PCC 552 ATCS Clarification				18,283	
STS PCC 572 MRY MH 1892 Roof Mod				25,000	
STS PCC 592 Pltfrm Lvl Sctrs Rqst				500	
STS PCC 626 Metraflex Seismic Gator				10,000	
STS PCC 633 Addl Trffc Ctrl Dev Dtr				29,952	
STS PCC 639 Spot Acceleration				25,000	
UMS PCC 181 Plaza ADA Enhancements	37,500				

Contract Modification/Trend Log - Contract 1300 Stations

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Substantial Completion	**6/29/2020**	**6/29/2020**

	UMS	CTS	YBM	STS	COST REPORT NOTES
UMS PCC 221 Slab Interaction	3,750				
UMS PCC 225R1 Add Btry Bckp B/F Drs	20,000				
UMS PCC 272 PG&E Vaults on Ellis St	1,000				
UMS PCC 295 Geary Bulb Out	12,500				
UMS PCC 296 Water Meter on Ellis St.	(1,001)				
UMS PCC 329 AWSS and Slurry Wall OFA	4,709				
UMS PCC 344 PG&E Streetlights	2,501				
UMS PCC 354 Signals at Geary	2,500				
UMS PCC 370 CMU Wall Deck	11,927				
UMS PCC 374 Deck at Platform Strut	20,001				
UMS PCC 385 WD Kill Holes at OFA	11,228				
UMS PCC 392 Water Services on Stktn	2,500				
UMS PCC 394 Mezz. Corridor and Beam	0				
UMS PCC 398 R1 Escalator Equipment	10,000				
UMS PCC 413 Traffic Signals	5,000				
UMS PCC 431 Deletion of Deck	(5,001)				
UMS PCC 434 GEN Swithgear Nameplate	2,546				
UMS PCC 462 Beam 95 Connection Deta	15,455				
UMS PCC 465 R1 WL for Florist Booth	10,000				
UMS PCC 472 Add Side & Floor Drain	25,000				
UMS PCC 480 TS on PGE Poles	5,000				
UMS PCC 487R1 USG Topping Slab at GL	25,000				
UMS PCC 495 Sprinklers at BART Entra	7,025				
UMS PCC 515R1 Mezz Lvl Sctr 3 Dtwork	25,000				
UMS PCC 520 Fill Voids Btwn Strut &	25,000				
UMS PCC 555 Acceleration	25,000				
UMS PCC 568 Sawcut CMU Walls Under	2,500				
UMS PCC 597 Add Wall Access Panel	10,000				
UMS PCC 600 Dtls fr Runnel & Cnt St	5,000				
UMS PCC 615 Grind Down Plt Topping	10,000				
UMS PCC 617 Add Rnfrcmnt Cncrt Slb	10,000				
UMS PCC 620 Stl Tube Spprt Wall Sys	2,500				
UMS PCC 622 Fill Runnel Gap	15,000				
UMS PCC 624 R/F Cncrt Pad FHC base	10,000				
UMS PCC 632 Revise Lt Fix & Ex Signs	7,500				

Contract Modification/Trend Log - Contract 1300 Stations

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	UMS	CTS	YBM	STS	COST REPORT NOTES
UMS PCC 644 Instll 42" Grd Barrier	2,500				
UMS PCC 648 USG;Replace Fence Scree	25,000				
UMS PCC 650 Install SFMTA DT Cndts	10,000				
UMS PCC 652 Seismic Bracing Modific	5,000				
UMS-PCC 466 Remove Equipment and Mat	5,000				
USG PCC 111 Conc Cemo & Rev Con Dtl	5,001				
USG PCC 123 South Wall Ground Beams	5,000				
USG PCC 147 Geary Streetlight	12,500				
USG PCC 155 16-D Footing Demoltion	5,000				
USG PCC 156 CMU Footings	3,503				
USG PCC 158 Elev. Pit CDF Backfill	6,035				
USG PCC 199R-1 Delete Bm and Plntrs	(18,051)				
USG PCC 89 E. Light Pole Foundation	1,250				
YBM PCC 301 Remove directional door			(5,771)		
YBM PCC 305R2 Signage Revisions			500		
YBM PCC 560 Elevator Ledge Beveling			12,500		
YBM PCC 579 Vent Shaft Roof Curb He			5,000		
YBM PCC 590 Relocation of MCC-JF			12,500		
YBM PCC 594 Mitigation of Water Int			150,000		
YBM PCC 610 Replc Phn Cabinet Racks			6,000		
YBM PCC 627 Instll Fire-Rated Clngs			0		
YBM PCC 642 Install Drainage Str 3			5,000		
YBM PCC 645 Misc Elctrcl Revision			0		
YBM PCC 647 Size Chng for Invrt Dr			0		
YBM PCC 653 Framing for Wall Panels			0		
Approved	**7,744,337**	**42,839,633**	**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			

Contract Modification/Trend Log - Contract 1300 Stations

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Substantial Completion	**6/29/2020**	**6/29/2020**

	UMS	CTS	YBM	STS	COST REPORT NOTES
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 #081 Various DSC CORs & PCCs			57,886		
CMod #082 YBM COR 385			21,170		
CMod #083 YBM Various Changes			27,270		
CMod #084 YBM Various Changes			12,156		
CMod #085 YBM COR 086 Existing AT&T			156,831		
CMod #086 YBM COR 1106			1,897		
CMod #1 BART Elevator Option 1 @ Pow	90,000				
Cmod #10 YBM PCC 042			64,287		
CMod #100 UMS PCC 102 Fire & Life	48,149				
CMod #101 YBM COR 75 Slurry Wall			22,423		
CMod #102 STS PCC 410 ATCS Ext Cable				125,412	
CMod #103 UMS PCC 345 Lead Paint	221,766				
CMod #104 CTS Soil CMod Suppl CMOD19		1,621,173			
CMod #105 UMS Schedule Recovery	732,979				
CMod #106 CTS COR 1080 Acceleration		970,131			
CMod #107 YBM PCC 446 COR 1425			1,500,787		
CMod #108 STS Various Changes				50,400	
CMod #109 YBM 109 Various CORs			33,471		
CMod #11 UMS PCC 002	12,997				
CMod #110 UMS COR 251 770 779 781	118,911				
CMod #111 STS PCC 457 Traffic Signal				38,012	
CMod #112 UMS Various Changes	337,401				
CMod #113 STS Various Changes				103,369	
CMod #114 YBM Various CORs			99,028		

Contract Modification/Trend Log - Contract 1300 Stations

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	UMS	CTS	YBM	STS	COST REPORT NOTES
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 #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		
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			

Contract Modification/Trend Log - Contract 1300 Stations

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Substantial Completion	**6/29/2020**	**6/29/2020**

	UMS	CTS	YBM	STS	COST REPORT NOTES
CMod #60 UMS USG Two Fuel Tanks	61,312				
CMod #61 YBM Various CORs			207,181		
CMod #62 UMS Wales and Waterproofing	277,714				
CMod #63 CTS DSC CORs		38,025			
CMod #64 STS DSC CORs and SFWD				52,570	
CMod #65 UMS Various CORs and PCCs	10,320				
CMod #66 STS Sewer Notching				66,949	
CMod #67 UMS Solar/Low-e Coating	23,290				
CMod #68 STS Various CORs				59,555	
CMod #69 UMS Various CORs	49,682				
CMod #70 YBM Various CORs			178,079		
CMod #71 UMS Haz and Asbestos Abate	81,907				
CMod #72 YBM COR 249. 566			74,694		
CMod #74 UMS PCC 39 12" Wtrln Reloc	336,236				
CMod #75 UMS COR 060 New 8" Wtr Line	58,672				
Cmod #76 YBM COR 806 Gardril credits			(9,611)		
CMod #77 STS Various Changes				56,629	
CMod #78 STS Various DSC CORs				191,175	
CMod #79 STS PCC 014 Traffic Signal				242,427	
CMod #80 STS Add'l Work to DSCs CORs				111,701	
CMod #87 CTS Var Slurry Wall Changes		3,596,000			
CMod #88 STS Various COR Misc Work				38,346	
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	

Contract Modification/Trend Log - Contract 1300 Stations

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	UMS	CTS	YBM	STS	COST REPORT NOTES
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	**21,572,015**	**43,902,041**	**5,362,675**	**(15,045,839)**	

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

Report Period: November 2019

		October 2019			November 2019				
Group by Contract & SCC	**CATEGORY ITEM**	**October 2019 Base**	**October 2019 Allocated Contingency**	**October 2019 Base + Allocated Contingency (YOE)**	**November 2019 Base**	**November 2019 Allocated Contingency**	**November 2019 Base + Allocated Contingency (YOE)**	**BUDGET TRANSFERS [November 2019] vs. [October 2019]**	**Cost Report Notes**
10-50	**CONSTRUCTION CONTRACT PACKAGES**	**1,202,647,293**	**(16,120,851)**	**1,191,368,392**	**1,202,647,293**	**(16,120,851)**	**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***	***878,920,542***	***(17,280,851)***	***861,639,691***	***878,920,542***	***(17,280,851)***	***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]	290,407,443	(32,839,633)	257,567,810	290,407,443	(32,839,633)	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: November 2019

		October 2019			November 2019				
Group by Contract & SCC	**CATEGORY ITEM**	**October 2019 Base**	**October 2019 Allocated Contingency**	**October 2019 Base + Allocated Contingency (YOE)**	**November 2019 Base**	**November 2019 Allocated Contingency**	**November 2019 Base + Allocated Contingency (YOE)**	**BUDGET TRANSFERS [November 2019] vs. [October 2019]**	**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: November 2019

		October 2019			November 2019				
Group by Contract & SCC	**CATEGORY ITEM**	**October 2019 Base**	**October 2019 Allocated Contingency**	**October 2019 Base + Allocated Contingency (YOE)**	**November 2019 Base**	**November 2019 Allocated Contingency**	**November 2019 Base + Allocated Contingency (YOE)**	**BUDGET TRANSFERS [November 2019] vs. [October 2019]**	**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	**1,581,337,810**	**(14,762,429)**	**1,571,417,331**	**1,581,337,810**	**(14,762,429)**	**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			(7,879,757)			(7,879,757)		
	CONTINGENCY MINIMUM			25,000,000			25,000,000		
	BELOW OR ABOVE MINIMUM			**(32,879,757)**			**(32,879,757)**		

COST STATUS BY CATEGORY	SCC CODES	Sum of Supplemental 2013 Budget	BUDGET October 2019	BUDGET TRANSFERS	BUDGET November 2019	Sum of November 2019	Remaining Budget (Column H-Column I)	November 2019 EAC	November 2019 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	279,729,455	4,531,994	284,918,139	0	39
STATIONS, STOPS, TERMINALS, INTERMODAL	SCC 020	573,099,645	541,663,144	-	541,663,144	511,668,548	29,994,596	565,039,868	(17,280,851)	39
SITEWORK & SPECIAL CONDITIONS	SCC 040	235,514,097	264,806,024	-	264,806,024	263,283,784	1,522,239	273,062,631	1,160,000	39
SYSTEMS	SCC 050	90,774,397	100,637,776	-	100,637,776	52,612,187	48,025,589	101,015,354		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	61,199,308	119,023	61,318,331		
PM FOR DESIGN & CONSTRUCTION	SCC 080.03 - 080.04	197,146,664	199,235,580	-	199,235,580	186,478,023	12,757,557	199,235,580	0	39
OTHER PROF SRVCS	SCC 080.05 - 080.08	24,416,118	24,246,033	-	24,246,033	12,833,619	11,412,414	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**	**0**	**1,578,300,000**	**1,456,585,813**	**121,714,186**	**1,602,726,510**	**(7,879,757)**	

SCC DESCRIPTION	November 2019 BUDGET	November 2019 CTD
010 - GUIDEWAY & TRACK ELEMENTS	284,261,448	279,729,455
020 - STATIONS, STOPS, TERMINALS, INTERMODAL	541,663,144	511,668,548
040 - SITEWORK & SPECIAL CONDITIONS	264,806,024	263,283,784
050 - SYSTEMS	100,637,776	52,612,187
070 - VEHICLES (number)	16,800,000	11,929,247
080 - PROFESSIONAL SERVICES (applies to Cats. 10-50)	331,002,618	306,713,624
090 - UNALLOCATED CONTINGENCY	6,882,669	
Grand Total	**1,578,300,000**	**1,456,585,813**

SCC DESCRIPTION	November 2019 BUDGET	November 2019 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	66,793,157
010.07-Guideway: Underground tunnel	200,374,315	198,897,503
010.09-Track: Direct fixation	6,761,089	6,734,158
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	5,279,819
020.02-Aerial station, stop, shelter, mall, terminal, platform	1,544,543	0
020.03-Underground station, stop, shelter, mall, terminal, platform	510,203,852	488,618,089
020.07-Elevators, escalators	22,311,892	17,770,640
040.01-Demolition, Clearing, Earthwork	12,754,615	12,495,015
040.02-Site Utilities, Utility Relocation	68,753,443	77,769,173
040.03-Haz. mat'l, contam'd soil removal/mitigation, ground water treatments	9,423,125	9,097,039
040.04-Environmental mitigation, e.g. wetlands, historic/archeologic, parks	1,122,899	1,077,806
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	5,009,761
040.07-Automobile, bus, van accessways including roads, parking lots	6,579,099	6,309,929
040.08-Temporary Facilities and other indirect costs during construction	153,675,418	148,818,629
050.01-Train control and signals	28,291,363	14,168,257
050.02-Traffic signals and crossing protection	12,804,956	11,988,075
050.03-Traction power supply: substations	21,465,073	17,531,362
050.04-Traction power distribution: catenary and third rail	12,441,113	2,677,911
050.05-Communications	16,920,685	4,758,213
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	61,199,308
080.03-Project Management for Design and Construction	82,244,281	78,900,292
080.04-Construction Administration & Management	116,991,299	107,577,731
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	887,437
080.08-Start up	8,300,329	0
090.00-Unallocated Contingency	6,882,669	
Grand Total	**1,578,300,000**	**1,456,585,813**

[A] Cost Account Description	[B] November 2019 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**	**0**	**0**	**46,542,061**	**0**	40
11 - SFMTA PROJECT MANAGEMENT	8,800,164	8,253,957	0	0	8,253,957	546,208	41
12 - SFMTA ENGINEERING SERVICES	11,425,594	11,425,594	0	0	11,425,594	0	42
16 - DEPARTMENT OF PARKING AND TRAFFIC (DPT)	921,906	802,883	0	0	802,883	119,023	
21 - ARTS COMMISSION	1,500,570	1,500,570	0	0	1,500,570	0	43
22 - FIRE DEPARTMENT	33,825	33,825	0	0	33,825	0	
23 - CITY ATTORNEY'S OFFICE	1,234,754	1,234,754	0	0	1,234,754	0	
24 - RISK MANAGEMENT	0	0	0	0	0	0	
26 - PLANNING	99,604	99,604	0	0	99,604	0	
27 - DEPARTMENT OF PUBLIC HEALTH (DPH)	4,420	4,420	0	0	4,420	0	
29 - CITY AUDITOR	336,735	336,735	0	0	336,735	0	44
32 - DPW - IDC ENGINEERING (HYDRAULIC)	3,336,432	3,336,432	0	0	3,336,432	0	
34 - DPW - IDC CONSTRUCTION (CAPTITAL)	17,462	17,462	0	0	17,462	0	
36 - DPW - BSM INFRASTRUCTURE (MAPPING)	76,549	76,549	0	0	76,549	0	
39 - DPW - PCS SITE ASSESSMENT & REMEDIATION (SAR)	13,993	13,993	0	0	13,993	0	
51 - 821 HOWARD STREET	1,005,653	1,005,653	0	0	1,005,653	0	
55 - 651 BRANNAN	2,294,910	2,294,910	0	0	2,294,910	0	45
63 - CENTRAL SUBWAY PARTNERSHIP - AECOM-EPC JV CONTRACT 149	26,793,234	26,793,234	0	0	26,793,234	0	46
66 - ANIL VERMA	395,204	395,204	0	0	395,204	0	47
67 - HILL INTERNATIONAL CONTRACT 156	6,716,294	6,716,294	0	0	6,716,294	0	48
68 - ARTHUR GALLAGER & CO. CS 164	6,800,000	6,340,196	0	0	6,340,196	459,804	
71 - TUNNEL/UTILITIES - CONTRACT # CONTRACT 155-1	5,469,336	5,469,336	0	0	5,469,336	0	49
72 - STATIONS - CONTRACT # CONTRACT 155-2	26,220,609	26,220,609	0	0	26,220,609	0	50
73 - SYSTEMS/INTEGRATION - CONTRACT 155-3	11,432,312	11,432,312	0	0	11,432,312	0	51
331 - BAY AREA RAPID TRANSIT (BART)	146,427	146,427	0	0	146,427	0	
332 - SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY (SFCTA)	0	0	0	0	0	0	
TOTAL FINAL DESIGN	**115,075,988**	**113,950,952**	**0**	**0**	**113,950,952**	**1,125,035**	
11 - SFMTA PROJECT MANAGEMENT	16,500,000	15,546,338	498,036	223,623	15,769,961	730,039	
1.3.011.01.080.03 - CM:SFMTA LABOR-PROJECT MANAGEMENT	16,500,000	15,546,338	498,036	223,623	15,769,961	730,039	
12 - SFMTA ENGINEERING SERVICES	2,923,582	2,803,063	41,180	19,391	2,822,453	101,129	
1.3.012.02.080.04 - CM: SFMTA LABOR-ENGINEERING CONTRACT 1252	123,582	57,648	0	0	57,648	65,934	
1.3.012.06.080.04 - CM: SFMTA LABOR-ENGINEERING CONTRACT 1300	2,800,000	2,745,415	41,180	19,391	2,764,805	35,195	
13 - SFMTA CONSTRUCTION MANAGEMENT	25,432,035	21,708,556	563,955	238,086	21,946,642	3,485,393	
1.3.013.01.080.04 - CM:SFMTA LABOR-CONSTR. MANAGEM	25,432,035	21,708,556	563,955	238,086	21,946,642	3,485,393	
16 - DEPARTMENT OF PARKING AND TRAFFIC (DPT)	3,659,313	2,621,274	24,240	7,249	2,628,523	1,646,781	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT UMS	299,600	310,508	5,125	2,747	313,254	(13,654)	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT CTS	274,900	132,277	4,180	3,977	136,253	138,647	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT YBM	238,400	210,268	2,486	263	210,530	27,870	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT STS	876,876	268,948	916	263	269,211	607,665	
1.3.016.02.040.08 - DPT: FIELD OPS TUNNEL [B84]	0	1,464	0	0	1,464	(1,464)	
1.3.016.02.040.08 - DPT: FIELD OPS TUNNEL [B86]	0	204,261	0	0	204,261	(204,261)	
1.3.016.06.040.02 - DPT:DPT TRAFFIC SHOP CONTRACT 1300	1,200,000	0	0	0	0	1,200,000	

[A] Cost Account Description	[B] November 2019 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
1.3.016.08.040.08 - DPT:PCOS:2UTL [68A]	400,728	400,728	0	0	400,728	0	
1.3.016.08.040.08 - DPT:SSD CN:2UTL	0	108,020	0	0	108,020	(108,020)	
1.3.016.08.080.04 - DPT:SSD [1326]	252,536	252,536	0	0	252,536	0	
1.3.016.08.080.04 - DPT:SSD [13BN]	23,302	23,302	0	0	23,302	0	
1.3.016.08.080.04 - DPT:SSD [13CN]	963	963	0	0	963	0	
1.3.016.08.080.04 - DPT:SSD [B85]	92,008	92,008	0	0	92,008	0	
1.3.016.03.040.08 - PCOS:1300/UMS [68CPT544132W.CPT544132W]	0	163,405	1,653	0	163,405	(163,405)	
1.3.016.05.040.08 - PCOS:1300/YBM [68CPT544132Y.CPT544132Y]	0	207,537	9,880	0	207,537	(207,537)	
1.3.016.09.040.08 - PCOS:1300/STS [68CPT544132Z.CPT544132Z]	0	245,049	0	0	245,049	(245,049)	
17 - MOTIVE POWER	2,195	0	0	0	0	2,195	
1.3.017.07.040.02 - PWR:SFMTA-MOTIVE POWER-UTL.REL	2,195	0	0	0	0	2,195	
18 - SFMTA OPERATIONS	400,000	104,500	1,596	0	104,500	235,063	
1.3.018.04.040.02 - OPS:SUPPORT TO CONTRACT 1300/CTS	100,000	36,749	1,596	0	36,749	63,251	
1.3.018.06.080.07 - OPS:SUPPORT TO CONTRACT 1300 - UMS O/L	50,255	53,069	0	0	53,069	(2,814)	
1.3.018.06.080.07 - OPS:SUPPORT TO CONTRACT 1300/UMS	249,745	14,681	0	0	14,681	235,063	
19 - OTHER SFMTA	1,000,000	945,836	0	0	945,836	54,164	
1.3.019.07.080.07 - OTH.MTA SFMTA-SURVEY; TSTG [6840]	1,800	1,720	0	0	1,720	80	
1.3.019.08.040.08 - OTH.MTA 1251 MATERIALS	150,000	126,149	0	0	126,149	23,851	
1.3.019.08.080.07 - OTH.MTA OPERATION SUPPORT DURI	848,200	817,966	0	0	817,966	30,234	
21 - ARTS COMMISSION	12,010,886	5,585,553	15,595	276,074	5,861,627	6,149,259	
1.3.021.01.040.06 - ARTS:CTYCO-ARTS COMMISSION CONSTRUCTION COSTS	3,769,932	0	0	0	0	3,769,932	
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [1227]	1,719,387	388,167	0	0	388,167	1,331,220	52
1.3.021.01.080.04 - ARTS:CTYCO-ARTS COMMISSION [PWE335MPFUNA.CPT5441227]	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	845,309	4,335	6,132	851,441	(17,177)	
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [PWA335MPFUNA.CPT5441327]	10,149	11,093	0	0	11,093	(944)	
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [PWE335MPFUNA.CPT5441327]	4,439	4,439	0	0	4,439	0	
1.3.021.06.040.06 - ARTS:CTYCO-ARTS COMMISSION [68CPT5441327.CPT5441327]	1,393,660	1,393,660	0	0	1,393,660	0	
1.3.021.06.040.06 - ARTS:CTYCO-ARTS COMMISSION [285MCPFUNA.CPT5441327]	3,011,963	2,930,420	11,260	269,942	3,200,362	(188,399)	
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [132J]	86,091	0	0	0	0	86,091	
1.3.021.97.040.06 - ARTS:ARTS COMMISSION ALLOC CO	1,160,000	0			0	1,160,000	
23 - CITY ATTORNEY'S OFFICE	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	2,125,634	0	0	2,125,634	46,147	
25 - PUBLIC UTILITIES COMMISSION SEWER	(2,925,296)	0	0	0	0	(2,925,296)	
1.3.025.09.040.02 - STS.1256: SITE UTILITIES SFPUC SEWER MAIN	(2,925,296)	0			0	(2,925,296)	
26 - PLANNING	137,062	26,697	0	0	26,697	110,365	
1.3.026.01.080.06 - CM:CTYCO-PLANNING DEPARTMENT	137,062	26,697	0	0	26,697	110,365	
28 - PUBLIC UTILITIES COMMISSION WATER	4,242,012	4,126,049	290	346	4,126,395	115,617	
1.3.028.02.040.02 - CM:CTYCO-PUBLIC UTIL COMM. (PUC)	0	4,745	0	0	4,745	(4,745)	
1.3.028.02.040.08 - PUC: FIELD OPERATIONS TUNNEL	398,400	510,208	0	0	510,208	(111,808)	
1.3.028.02.080.04 - PUC:MTA CSP CN1252 [470465]	105,000	91,587	0	0	91,587	13,413	
1.3.028.03.040.02 - PUC:CDD CONTRACT 1300/UMS SUPPORT	606,354	632,056	0	0	632,056	(25,702)	
1.3.028.03.080.04 - PUC:CMB CONTRACT 1300/UMS INSPECTION	230,000	34,508	0	0	34,508	195,492	
1.3.028.04.040.02 - PUC:CDD CONTRACT 1300/CTS SUPPORT	271,755	201,959	0	0	201,959	69,796	
1.3.028.04.080.04 - PUC:CMB CONTRACT 1300/CTS INSPECTION	115,000	55,773	0	0	55,773	59,227	
1.3.028.05.040.02 - PUC:CDD CONTRACT 1300/YBM SUPPORT	450,282	492,784	290	346	493,130	(42,848)	

[A] Cost Account Description	[B] November 2019 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
1.3.028.05.080.04 - PUC:CMB CONTRACT 1300/YBM INSPECTION	184,000	98,643	0	0	98,643	85,357	
1.3.028.06.040.02 - PUC:CMB CONTRACT 1300/SFWD AWSS MATERIAL	225,079	249,247	0	0	249,247	(24,168)	
1.3.028.07.040.02 - PUC:PUC CDD WATER CONNECTION CONTRACT 1250	248,035	291,501	0	0	291,501	(43,466)	
1.3.028.07.080.04 - PUC:PUC CMB INSPECTION CONTRACT 1250	74,468	113,844	0	0	113,844	(39,376)	
1.3.028.08.040.02 - PUC:PUC CDD WATER CONNECTION CONTRACT 1251 [445]	340,310	318,130	0	0	318,130	22,180	
1.3.028.08.080.04 - PUC:PUC CMB INSPECTION CONTRACT 1251	266,252	289,424	0	0	289,424	(23,172)	
1.3.028.09.040.02 - PUC:CMB CONTRACT 1300/STS SUPPORT	520,077	484,348	0	0	484,348	35,729	
1.3.028.09.080.04 - PUC:CMB CONTRACT 1300/STS INSPECTION	207,000	257,294	0	0	257,294	(50,294)	
32 - DPW - IDC ENGINEERING (HYDRAULIC)	1,150,459	545,799	360	0	545,799	674,676	
1.3.032.01.080.04 - CM:DPW:1424J-BUREAU OF ENGINEERING (BOE) [AB12]	(285,405)	(285,405)	0	0	(285,405)	0.00	
1.3.032.03.080.04 - DPW IDC HYDRAULIC CN1300 UMS SUPPORT	297,938	123,766	360	0	123,766	174,172	
1.3.032.04.080.04 - DPW IDC HYDRAULIC CN1300 CTS SUPPORT	295,639	22,125	0	0	22,125	273,514	
1.3.032.05.080.04 - DPW IDC HYDRAULIC CN1300 YBM SUPPORT	301,882	57,666	0	0	57,666	244,216	
1.3.032.06.080.04 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112B112]	85,275	85,275	0	0	85,275	0	53
1.3.032.06.080.04-1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112C112]	109,658	109,658	0	0	109,658	0	54
1.3.032.06.080.04 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112D112]	15,791	15,791	0	0	15,791	0	55
1.3.032.06.080.04 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112E112]	11,193	11,193	0	0	11,193	0	56
1.3.032.06.080.04 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112F112]	107,798	107,798	0	0	107,798	0	57
1.3.032.06.080.04 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112G112]	21,690	47,917	0	0	47,917	(26,227)	58
1.3.032.08.080.04 - DPW.HYRDDPW-BOE IDC ENG SVC DC	9,000	0	0	0	0	9,000	
1.3.032.09.080.04 - DPW IDC HYDRAULIC CN1300 STS SUPPOR	180,000	250,016	0	0	250,016	(70,016)	
34 - DPW - IDC CONSTRUCTION (CAPITAL)	6,703,969	6,345,071	0	0	6,345,071	358,898	
1.3.034.01.080.04 - DPW:BCM LABOR [2113]	2,140,142	2,140,142	0	0	2,140,142	0	
1.3.034.02.080.04 - DPW:CONSTR:1252 CM [CD12]	1,207,603	1,207,603	0	0	1,207,603	0	
1.3.034.02.080.04 - DPW:CONSTR:1252 CM [13AC12]	138,397	138,397	0	0	138,397	0	
1.3.034.06.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [132112]	506,858	506,858	0	0	506,858	0	
1.3.034.06.080.04 - DPW:CONSTR:1300 CM [13CP12]	2,710,969	2,352,071	0	0	2,352,071	358,898	
36 - DPW - BSM INFRASTRUCTURE (MAPPING)	465,562	158,741	0	0	158,741	306,821	
1.3.036.01.080.04 - DPW:MPPG:DPW-BUREAU OF ST USE	367,129	32,680	0	0	32,680	334,449	
1.3.036.02.080.04 - DPW:MPPG:1300-DPW-BUREAU OF ST USE [13CG12]	50,000	33,084	0	0	33,084	16,916	
1.3.036.02.080.06 - DPW:MPPG:DPW-BUREAU OF ST USE [13CF]	48,433	92,977	0	0	92,977	(44,544)	
37 - DPW - PCS MATERIAL TESTING LABORATORY	83,100	0	0	0	0	83,100	
1.3.037.01.080.07 - DPW.MTL.LABDPW-MATERIAL TESTIN	83,100	0	0	0	0	83,100	
39 - DPW - PCS SITE ASSESSMENT & REMEDIATION (SAR)	613,853	438,455	0	0	438,455	175,398	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2213]	92,459	92,459	0	0	92,459	0	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2250]	78,400	78,400	0	0	78,400	0	
1.3.039.01.080.04 -DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2257]	151,515	151,515	0	0	151,515	0	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2313]	24,343	24,343	0	0	24,343	0	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION	58,757	10,109	0	0	10,109	48,648	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [CE13]	31,367	31,367	0	0	31,367	0	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [CH13]	100,000	8,621	0	0	8,621	91,379	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR)	17,000	0	0	0	0	17,000	
1.3.039.02.080.04 - DPW: SITE ASSESSMENT & REMEDIATION (SAR) – CN1252 [13CE11]	18,632	16,880	0	0	16,880	1,753	
1.3.039.02.080.04 - DPW: SITE ASSESSMENT & REMEDIATION (SAR) – CN1300 [13CH11]	41,379	24,761	0	0	24,761	16,618	
46 - MACY'S WEST - SFPUC SEWER WORK	258,202	258,202	0	0	258,202	0	

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1.3.046.08.040.02 - MCY.SWRC. CONTRACT: MACY'S-SEW	258,202	258,202	0	0	258,202	0	
51 - 821 HOWARD STREET	770,843	636,766	903	2,983	639,749	131,094	
1.3.051.01.080.03 - ODC.HWRD:ODCs - 821 HOWARD STR	696,753	602,538	903	1,185	603,723	93,030	
1.3.051.02.080.04 - ODC.HWRD:ODCs - TUNNEL CONTRACT 1252	10,000	1,056	0	0	1,056	8,944	
1.3.051.06.080.04 - ODC.HWRD:ODCs - STATION CONTRACT 1300	55,000	22,250	0	1,798	24,047	30,953	
1.3.051.06.080.04 - ODC.HWRD:W/MTA INST WTR SVC @ STS&YBM TRAILER	9,090	10,923	0	0	10,923	(1,833)	
55 - 651 BRANNAN	10,348	10,348	0	0	10,348	0	
1.3.055.01.080.03 - CM:ODCs - 651 BRANNAN STREET	10,348	10,348	0	0	10,348	0	59
63 - CENTRAL SUBWAY PARTNERSHIP - AECOM-EPC JV CONTRACT 149	65,720,187	59,170,702	1,198,779	1,198,779	60,369,481	5,350,706	
1.3.063.01.080.03 - CM:PM:AECOM.CS149 OM-EPC JV CS149-PM	5,017,804	5,017,804	0	0	5,017,804	0	60
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3B]	1,969,213	1,969,213	0	0	1,969,213	(0)	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3E]	6,386,250	6,386,250	0	0	6,386,250	(0)	
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3E][PM]	1,596,563	1,596,563	0	0	1,596,563	0	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3F]	4,101,465	4,101,466	0	0	4,101,466	(0)	
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3F][PM]	1,025,366	1,025,366	0	0	1,025,366	0	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3G]	5,167,381	5,167,381	0	0	5,167,381	(0)	
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3G][PM]	1,291,845	1,291,845	0	0	1,291,845	(0)	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3H]	4,380,849	4,380,849	0	0	4,380,849	(0)	
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3H][PM]	1,095,212	1,095,212	0	0	1,095,212	(0)	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3i]	7,310,184	12,281,186	959,023	959,023	13,240,210	(5,930,026)	
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3i][PM]	2,590,785	3,070,297	239,756	239,756	3,310,052	(719,267)	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3j]	7,000,000	0	0	0	0	7,000,000	
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3j][PM]	2,000,000	0	0	0	0	2,000,000	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9B]	11,042	11,042	0	0	11,042	0	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9D]	515,694	515,694	0	0	515,694	(0)	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9E]	523,943	523,943	0	0	523,943	0	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9F]	461,196	461,196	0	0	461,196	0	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9G]	501,912	501,912	0	0	501,912	0	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9H]	1,219,093	1,219,093	0	0	1,219,093	(0)	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9i]	2,974,444	2,974,444	0	0	2,974,444	0	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9j]	3,000,000	0	0	0	0	3,000,000	
1.3.063.01.080.04 - FD:CM:EPC JV CS49-PM [123A]	5,579,945	5,579,945	0	0	5,579,945	0	
64 - CN1300 JOB READINESS PROGRAM	1,060,000	956,145	0	0	956,145	103,855	61
1.3.064.06.040.08 - CN1300 JOB READINESS PROGRAM	1,060,000	956,145	0	0	956,145	103,855	
67 - HILL INTERNATIONAL CONTRACT 156	3,031,391	2,910,922	(104,709)	0	2,910,922	120,469	
1.3.067.01.080.03 - HILL.CS156:HILL INTL. CS-156 [1336]	920,426	920,426	0	0	920,426	0	
1.3.067.01.080.03 - HILL.CS156:HILL INTL. CS-156 [1337]	533,148	533,148	0	0	533,148	0	
1.3.067.01.080.03 - HILL.CS156:HILL INTL. [133O]	127,261	127,261	0	0	127,261	0	
1.3.067.01.080.03 - HILL INTERNATIONAL CS156 AWP 2016 [68CPT5441340.CPT5441340]	883,631	883,631	0	0	883,631	(0)	
1.3.067.01.080.03 - HILL INTERNATIONAL CS156 AWP 2017 [68CPT5441346.CPT5441346]	566,925	446,457	(104,709)	0	446,457	120,468	
69 - BAYLAND SOIL PROCESS CONTRACT 175	500,000	255,144	0	0	255,144	244,856	62
1.3.069.06.040.01 - BAYLAND.CS175:BAYLAND SOIL PROCESS [133K]	500,000	255,144	0	0	255,144	244,856	
71 - TUNNEL/UTILITIES - CONTRACT # CONTRACT 155-1	2,158,846	2,098,874	0	0	2,098,874	59,972	
1.3.071.01.080.04 - CM: CS155.1 DESIGN SUPPORT DURING CM [1232]	0	(87,201)	0	0	(87,201)	87,201	63
1.3.071.02.080.04 - CM: CS155.1 DESIGN SUPPORT DURING CM [1332]	2,158,846	2,186,076	0	0	2,186,076	(27,230)	

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72 - STATIONS - CONTRACT # CONTRACT 155-2	14,612,416	18,467,427	534,029	(126,663)	18,340,763	(3,728,347)	
1.3.072.01.080.04 - CM: CS155.2 DESIGN SUPPORT DURING CM [1233]	51,351	58,765	433	180	58,945	(7,594)	64
1.3.072.01.080.04 - CM: CS155.2 DESIGN SUPPORT DURING CM [1333]	14,561,065	18,408,661	533,595	(126,844)	18,281,818	(3,720,753)	
73 - SYSTEMS/INTEGRATION - CONTRACT 155-3	4,828,269	4,648,798	126,011	62,775	4,711,573	116,696	
1.3.073.01.080.04 - CM: CS155.3 DESIGN SUPPORT DURING CM [1236]	90,000	89,791	0	0	89,791	209	
1.3.073.01.080.04 - CM: CS155.3 DESIGN SUPPORT DURING CM [1334]	4,738,269	4,559,008	126,011	62,775	4,621,783	116,486	
81 - UTILITIES RELOCATION #1 (PORTAL & MOS) - CONTRACT 1250	11,968,150	11,968,150	0	0	11,968,150	0	
1.3.081.07.040.01 - UR1.CONTRACT 1250:SITEWORK: DEMOLIT	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	0	0	10,099,341	0	
1.3.081.07.040.03 - UR1.CONTRACT 1250:SITEWORK:HAZMAT	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	0	0	1,248,030	0	
82 - UTILITIES RELOCATION #2 (UMS) - CONTRACT 1251	20,669,081	20,669,081	0	0	20,669,081	(0)	65
1.3.082.08.040.01 - UR2.CONTRACT 1251:SITEWORK: DEMOLIT	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	0	0	10,202,543	(0)	
1.3.082.08.040.03 - UR2.CONTRACT 1251:SITEWORK:HAZMAT	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	0	0	2,706,431	0	
1.3.082.08.040.06 - UR2.CONTRACT 1251:SITEWORK:PEDESTRA	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	0	0	190,362	0	
1.3.082.08.040.08 - UR2.CONTRACT 1251:SITEWORK:TEMP FAC	6,325,476	6,325,476	0	0	6,325,476	0	
GUIDEWAY TUNNELS TOTAL	**233,511,253**	**233,511,253**	**0**	**0**	**233,511,253**	**0**	
83 - GUIDEWAY TUNNELS - CONTRACT # 1252 BASE	233,584,015	233,584,015	0	0	233,584,015	0	66
1.3.083.02.010.06 - CONTRACT 1252:GUIDEWAY:UNDERGRN'D CUT	60,446,425	60,446,425	0	0	60,446,425	0	
1.3.083.02.010.07 - CONTRACT 1252:GUIDEWAY:UNDERGROUND	105,423,090	105,423,090	0	0	105,423,090	0	
1.3.083.02.020.03 - CONTRACT 1252: STATIONS: UNDERGROUND	21,685,000	21,685,000	0	0	21,685,000	0	
1.3.083.02.040.01 - CONTRACT 1252:SITEWORK:DEMO CLEARING	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	0	0	10,895,000	0	
1.3.083.02.040.03 - CONTRACT 1252:SITEWORK:HAZMAT&MITIGAT	200,000	200,000	0	0	200,000	0	
1.3.083.02.040.04 - CONTRACT 1252:SITEWORK:ENVIRON. MITIG	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	0	0	50,000	0	
1.3.083.02.040.07 - CONTRACT 1252:SITEWORK:AUTO/BUS ACCES	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	0	0	30,799,500	0	
83 - GUIDEWAY TUNNELS - CONTRACT # 1252 CMODs	(72,762)	(72,762)	0	0	(72,762)	0	67
1.3.083.83.010.06 - CONTRACT 1252: CONTRACT MOD	112,251	112,251	0	0	112,251	0	
1.3.083.83.010.07 - CONTRACT 1252: CONTRACT MOD	1,810,094	1,810,094	0	0	1,810,094	0	
1.3.083.83.020.03 - CONTRACT 1252: CONTRACT MOD	1,004,156	1,004,156	0	0	1,004,156	0	
1.3.083.83.040.02 - CONTRACT 1252: CONTRACT MOD	1,035,588	1,035,588	0	0	1,035,588	(0)	
1.3.083.83.040.03 - CONTRACT 1252: CONTRACT MOD	453,475	453,475	0	0	453,475	0	
1.3.083.83.040.08 - CONTRACT 1252: CONTRACT MOD	(4,488,326)	(4,488,326)	0	0	(4,488,326)	0	
1.3.083.93.010.07 - CONTRACT 1252: TUNNEL ALLOC CONTING	0	0	0	0	0	0	68
CONTRACT 1300 - STATIONS, TRACKWORK AND SYSTEMS TOTAL	**861,639,691**	**790,139,228**	**12,983,298**	**10,336,939**	**800,476,167**	**61,163,524**	69
84 - UNION SQUARE/MARKET STREET STATION (UMS) - WORK PACKAGE 1253	294,030,590	277,657,792	6,225,486	(8,049)	277,649,743	16,380,847	21
1.3.084.03.020.03 - UMS.1253: UNDERGROUD STATION	253,081,452	240,841,606	5,544,960	87,754	240,929,360	12,152,092	
1.3.084.03.020.07 - UMS.1253: ELEVATORS ESCALATOR	9,465,694	8,522,541	564,317	201,178	8,723,719	741,975	
1.3.084.03.040.01 - UMS.1253: DEMOLITION CLEARING	6,071,588	6,071,588	0	0	6,071,588	0	
1.3.084.03.040.02 - UMS.1253: SITE UTILITIES UTIL	4,360,395	3,913,988	0	0	3,913,988	446,407	

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1.3.084.03.040.03 - UMS.1253: HAZARDOUS MATERIALS	550,000	423,193	4,875	(19,291)	403,902	146,098	
1.3.084.03.040.04 - UMS.1253: ENVIRONMENTAL MITIGA	244,500	244,500	0	0	244,500	0	
1.3.084.03.040.06 - UMS.1253: PEDESTRIAN/BIKE	18,969	16,501	0	0	16,501	2,468	
1.3.084.03.040.07 - UMS.1253: AUTOMOBILE BUS ACCE	1,158,410	1,068,634	20,000	5,000	1,073,634	84,776	
1.3.084.03.040.08 - UMS.1253: TEMPORARY FACILITIES	11,139,701	10,494,589	0	(302,940)	10,191,649	948,052	
1.3.084.03.050.02 - UMS.1253: TRAFFIC SIGNALS AND	4,773,076	4,773,076	0	0	4,773,076	0	
1.3.084.03.050.03 - UMS.1253: TRACTION POWER SUPPL	1,815,534	851,534	37,500	18,750	870,284	945,250	
1.3.084.03.050.04 - UMS.1253: TRACTION POWER DISTR	216,957	67,178	0	0	67,178	149,779	
1.3.084.03.050.05 - UMS.1253: COMMUNICATIONS	1,134,314	368,864	53,834	1,500	370,364	763,950	
84 - UNION SQUARE/MARKET STREET STATION (UMS) CMODs	7,744,337	6,565,241	(250,000)	691,967	7,257,208	487,129	
1.3.084.84.020.03 - CMOD:UMS.1253: UNDERGROUD STATION	1,832,330	1,809,040	0	0	1,809,040	23,290	
1.3.084.84.020.07 - CMOD:UMS.1253: ELEVATORS, ESCALATORS	490,000	90,000	(250,000)	0	90,000	400,000	
1.3.084.84.040.01 - CMOD:UMS.1253: DEMOLITION CLEARING	944,987	944,987	0	0	944,987	0	
1.3.084.84.040.02 - CMOD:UMS.1253: SITE UTILITIES UTIL	3,270,038	2,514,233	0	691,967	3,206,200	63,838	
1.3.084.84.040.03 - CMOD:UMS.1253: HAZARDOUS MATERIALS	349,730	349,730	0	0	349,730	0	
1.3.084.84.040.08 - CMOD:UMS.1253: TEMPORARY FACILITIES	809,103	809,102	0	0	809,102	1	
1.3.084.84.050.05 - CMOD:UMS.1253: COMMUNICATIONS	48,149	48,149	0	0	48,149	0	
1.3.084.94.020.03 - UMS.1253: AC: ALLOC CONTING	12,255,663	0	0	0	0	12,255,663	41
85 - CHINATOWN STATION (CTS) - WORK PACKAGE 1254	247,567,810	219,174,652	3,294,128	1,801,620	220,976,272	26,591,538	
1.3.085.04.010.07 - CTS.1254: GUIDEWAY: UNDERGROUND TUNNEL	76,417,579	76,417,579	0	0	76,417,579	0	
1.3.085.04.020.03 - CTS.1254: UNDERGROUND STATION	133,001,053	109,987,737	3,051,236	1,618,727	111,606,464	21,394,589	
1.3.085.04.020.07 - CTS.1254: ELEVATORS ESCALATOR	6,812,856	4,410,399	0	0	4,410,399	2,402,457	
1.3.085.04.040.01 - CTS.1254: DEMOLITION CLEARING	400,000	400,000	0	0	400,000	0	
1.3.085.04.040.02 - CTS.1254: SITE UTILITIES UTIL	6,001,718	5,225,465	0	0	5,225,465	776,253	
1.3.085.04.040.03 - CTS.1254: HAZARDOUS MATERIALS	350,000	286,743	47,389	0	286,743	63,257	
1.3.085.04.040.04 - CTS.1254: ENVIRONMENTAL MITIGA	325,665	298,574	0	0	298,574	27,091	
1.3.085.04.040.06 - CTS.1254: PEDESTRIAN/BIKE	15,000	0	0	0	0	15,000	
1.3.085.04.040.07 - CTS.1254: AUTOMOBILE BUS ACCE	225,677	93,631	0	0	93,631	132,046	
1.3.085.04.040.08 - CTS.1254: TEMPORARY FACILITIES	16,571,322	16,561,190	0	0	16,561,190	10,132	
1.3.085.04.050.02 - CTS.1254: TRAFFIC SIGNALS AND	1,599,593	1,556,505	0	25,375	1,581,880	17,713	
1.3.085.04.050.03 - CTS.1254: TRACTION POWER SUPPL	4,063,927	3,248,577	73,750	0	3,248,577	815,350	
1.3.085.04.050.04 - CTS.1254: TRACTION POWER DISTRIBUTION	124,481	94,490	0	0	94,490	29,991	
1.3.085.04.050.05 - CTS.1254: COMMUNICATIONS	1,658,938	593,761	121,753	157,518	751,279	907,659	
85 - CHINATOWN STATION (CTS) CMODs	42,839,633	42,257,535	0	0	42,257,535	582,099	71
1.3.085.85.020.03 - CMOD:CTS.1254: UNDERGROUND STATION	1,201,478	1,126,478	0	0	1,126,478	75,000	
1.3.085.85.040.01 - CMOD:CTS.1254: POWER POLE	155,956	148,212	0	0	148,212	7,744	
1.3.085.85.040.02 - CMOD:CTS.1254: SITE UTILITIES UTIL	4,022,598	3,996,251	0	0	3,996,251	26,347	
1.3.085.85.040.03 - CMOD:CTS.1254: HAZARDOUS MATERIALS	3,895,399	3,895,396	0	0	3,895,396	3	
1.3.085.85.040.08 - CMOD:CTS.1254: TEMPORARY FACILITIES	33,564,202	33,091,198	0	0	33,091,198	473,004	
1.3.085.95.020.03 - CTS.1254: AC: ALLOC CONTING	(32,839,633)	0	0	0	0	(32,839,633)	72
86 - YERBA BUENA MOSCONE STATION (YBM) - WORK PACKAGE 1255	158,089,000	147,111,849	2,732,515	(547,769)	146,564,080	11,524,920	
1.3.086.05.020.03 - YBM.1255: UNDERGROUND STATION	118,405,840	110,725,700	1,307,563	913,954	111,639,654	6,766,186	
1.3.086.05.020.07 - YBM.1255: ELEVATORS ESCALATOR	5,333,287	4,375,370	41,343	2,756	4,378,126	955,161	
1.3.086.05.040.01 - YBM.1255: DEMOLITION CLEARING	657,000	657,000	0	0	657,000	0	
1.3.086.05.040.02 - YBM.1255: SITE UTILITIES UTIL	7,163,278	7,158,151	0	0	7,158,151	5,127	

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1.3.086.05.040.03 - YBM.1255: HAZARDOUS MATERIALS	2,629,439	2,512,857	(94,340)	0	2,512,857	116,582	73
1.3.086.05.040.04 - YBM.1255: ENVIRONMENTAL MITIGA	100,000	82,998	(17,002)	0	82,998	17,002	
1.3.086.05.040.06 - YBM.1255: PEDESTRIAN/BIKE	16,665	1	0	0	1	16,664	
1.3.086.05.040.07 - YBM.1255: AUTOMOBILE BUS ACCE	1,542,725	1,515,378	22,347	0	1,515,378	27,347	
1.3.086.05.040.08 - YBM.1255: TEMPORARY FACILITIES	15,564,753	14,629,876	1,416,229	(1,474,229)	13,155,647	2,409,106	
1.3.086.05.050.02 - YBM.1255: TRAFFIC SIGNALS AND	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	2,726,724	0	9,750	2,736,474	971,951	
1.3.086.05.050.05 - YBM.1255: COMMUNICATIONS	1,241,096	1,003,802	56,375	0	1,003,802	237,294	
86 - YERBA BUENA MOSCONE STATION (YBM) CMODs	3,241,425	2,680,108	165,318	4,444	2,684,552	556,873	
1.3.086.86.020.03 - CMOD:YBM.1255: UNDERGROUND STATION	(1,182,064)	(1,182,064)	142,904	0	(1,182,064)	0	
1.3.086.86.020.07 - CMOD:YBM.1255: ELEVATORS ESCALATOR	210,055	168,396	0	0	168,396	41,659	
1.3.086.86.040.01 - CMOD:YBM.1255: DEMOLITION CLEARING	266,386	259,386	0	0	259,386	7,000	73
1.3.086.86.040.02 - CMOD:YBM.1255: SITE UTILITIES UTIL	3,570,282	3,068,761	8,427	(1,125)	3,067,636	502,646	
1.3.086.86.040.03 - CMOD:YBM.1255: HAZARDOUS MATERIALS	150,828	150,828	0	0	150,828	0	
1.3.086.86.040.04 - CMOD:YBM.1255: ENVIRONMENTAL MITIGA	102,734	102,734	0	0	102,734	0	
1.3.086.86.040.06 - CMOD:YBM.1255: PEDESTRIAN/BIKE	35,489	24,352	13,987	5,569	29,921	5,568	
1.3.086.86.040.08 - CMOD:YBM.1255: TEMPORARY FACILITIES	87,715	87,715	0	0	87,715	0	
1.3.086.96.020.03 - YBM.1255: AC: ALLOC CONTING	1,758,576	0	0	0	0	1,758,576	74
87 - SURFACE TRACKWORK AND SYSTEMS -WORK PACKAGE 1256	139,989,000	91,832,965	787,547	8,206,821	100,039,786	39,949,214	
1.3.087.09.010.02 - STS.1256: GUIDEWAY: AT-GRADE SEMI-EXCLUSIVE (ALLOWS CROSS	2,860,000	2,720,000	0	135,000	2,855,000	5,000	
1.3.087.09.010.06 - STS.1256: GUIDEWAY: UNDERGROUND CUT & CVR	9,257,731	6,105,856	10,000	128,625	6,234,481	3,023,250	
1.3.087.09.010.07 - STS.1256: GUIDEWAY: UNDERGROUN	16,723,552	14,936,842	(17,414)	309,898	15,246,740	1,476,812	
1.3.087.09.010.09 - STS.1256: TRACK DIRECT FIXATION	6,761,089	6,659,158	0	75,000	6,734,158	26,932	
1.3.087.09.010.12 - STS.1256: TRACK: SPECIAL	4,449,637	4,449,637	0	0	4,449,637	0	
1.3.087.09.020.01 - STS.1256: AT-GRADE STATION	7,602,857	5,062,089	476,126	217,730	5,279,819	2,323,038	
1.3.087.09.040.02 - STS.1256: SITE UTILITIES, UTILITY RELOCA	17,464,046	14,655,379	0	0	14,655,379	2,808,667	
1.3.087.09.040.03 - STS.1256: HAZARDOUS MATERIALS	200,000	199,856	0	0	199,856	144	73
1.3.087.09.040.04 - STS.1256: ENVIRONMENTAL MITIGATION	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	2,079,424	47,500	12,500	2,091,924	25,001	
1.3.087.09.040.08 - STS.1256: TEMPORARY FACILITIES	13,896,832	11,963,454	0	3,920	11,967,374	1,929,457	
1.3.087.09.050.01 - STS.1256: TRAIN CONTROL AND SIGNALS	27,543,451	7,575,753	0	6,529,200	14,104,953	13,438,498	
1.3.087.09.050.02 - STS.1256: TRAFFIC SIGNALS AND	4,463,368	3,689,127	0	0	3,689,127	774,241	
1.3.087.09.050.03 - STS.1256: TRACTION POWER SUPPL	9,889,014	6,674,548	72,166	129,180	6,803,728	3,085,286	
1.3.087.09.050.04 - STS.1256: TRACTION POWER DISTRIBUTION	6,099,675	2,178,262	41,850	87,447	2,265,709	3,833,966	
1.3.087.09.050.05 - STS.1256: COMMUNICATIONS	7,996,237	1,974,199	157,319	578,321	2,552,520	5,443,717	
1.3.087.09.050.07 - STS.1256: CENTRAL CONTROL	2,614,586	860,381	0	0	860,381	1,754,205	
87 - SURFACE TRACKWORK AND SYSTEMS (STS) CMODs	(14,581,253)	2,859,086	28,304	187,905	3,046,991	(17,628,244)	
1.3.087.89.040.02 - CMOD:STS.1256: SITE UTILITIES, UTILITY RELOCA	1,482,322	1,343,566	15,000	0	1,343,566	138,756	
1.3.087.89.040.03 - CMOD:STS.1256: HAZARDOUS MATERIALS	18,221	18,219	0	0	18,219	2	
1.3.087.89.040.08 - CMOD:STS.1256: TEMPORARY FACILITIES	1,053,547	864,997	0	187,905	1,052,902	645	
1.3.087.89.050.01 - CMOD:STS.1256: TRAIN CONTROL	(17,776,769)	13,304	13,304	0	13,304	(17,790,073)	
1.3.087.89.050.02 - CMOD:STS.1256: TRAFFIC SIGNALS AND	242,427	220,000	0	0	220,000	22,427	
1.3.087.99.020.01 - STS.1256: AC: ALLOC CONTING	1,544,543	0	0	0	0	1,544,543	75
88 - STATIONS CONTRACT 1300	2,435,063	875,886	37,972	15,437	891,323	1,543,740	
1.3.088.06.080.04 - CN1300 CONSTRUCTION TRAILER [68CPT5441316.CPT5441316]	80,000	0	0	0	0	80,000	

		ACTUAL COSTS					
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1.3.088.06.080.04 - DT-CN1300 COMMUNICATIONS INSTALL [68CPT5441317.CPT5441317]	1,430,594	354,818	0	(343,778)	11,040	1,419,554	
1.3.088.06.080.04 - MTA Communications - Business Liaison to support CN1300 CON[68CPT5441	420,000	155,658	37,972	188,120	343,778	76,222	
1.3.088.06.080.04 - IT-CN1300 Installation [68CPT5441319.CPT5441319]	448,371	365,410	0	(194,315)	171,095	277,276	
1.3.088.06.080.04 - CN1300 Installation Mainteanance [68CPT5441320.CPT5441320]	25,000	0	0	365,410	365,410	(340,410)	
1.3.088.06.080.04 - DT Support - Stations [68CPT544135.CPT5441325]	31,098	0	0	0	0	31,098	
141 - CONSTRUCTION ADMINISTRATION	0	0	0	0	0	0	
1.3.141.97.080.04 - CONSTR.ADMIN:ALLOC CONTING	0	0			0	0	75a
142 - LEGAL/PERMITS	2,014,204	0	0	0	0	2,014,204	
1.3.142.01.080.06 - LGL.PRMTSF:LEGAL; PERMITS	2,014,204	0	0	0	0	2,014,204	
144 - STARTUP	8,300,329	0	0	0	0	8,300,329	
1.3.144.01.080.08 - STRT: STARTUP (SFMTA Transit)	6,941,907	0	0	0	0	6,941,907	
1.3.144.97.080.08 - STRTA: AC STARTUP ALLOC CONTIN	1,358,422	0			0	1,358,422	
151 - TEMPORARY LICENSE AGREEMENT	17,000	0	0	0	0	17,000	
1.3.151.01.080.06 - TEMP.LICPORARY LICENSE AGREEME	17,000	0	0	0	0	17,000	
170 - COMMUNICATIONS CONNECTIONS	10,599,579	32,098	0	0	32,098	10,567,482	
1.3.170.01.050.04 - COMM.CONNN:COMMUNICATION CONN	5,757,629	0	0	0	0	5,757,629	
1.3.170.01.050.05 - CSP Radio Design	641,950	32,098	0	0	32,098	609,853	
1.3.170.01.050.05 - CSP Radio Cable	377,788	0	0	0	0	377,788	
1.3.170.01.050.05 - CSP Radio Procurement	3,822,212	0	0	0	0	3,822,212	
181 - AON RISK INSURANCE CS 163	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	25,094,206	0	0	25,094,206	230	
1.3.181.01.080.03 - AON.CS171 AON RISK INS. STUDY	25,000	25,000	0	0	25,000	0	
191 - FARE COLLECTION CONTRACTOR	5,400,000	152,852	0	0	152,852	5,247,148	
1.3.191.01.050.06 - FARE.CONSUL:FARE COLLECTION	5,400,000	152,852	0	0	152,852	5,247,148	
192 - THALES T&S CENTRAL CONTROL	18,524,681	50,000	0	0	50,000	18,474,681	
1.3.192.01.050.01 - THALES T&S ATCS	487,972	50,000	0	0	50,000	437,972	
1.3.192.01.050.01 - CN1266-2 Advanced Train Control System (ATCS) - Implementation	14,611,285	0	0	0	0	14,611,285	
1.3.192.01.050.01 - CN1266-1 Advanced Train Control System (ATCS) - Equipment	3,425,424	0	0	0	0	3,425,424	
202 - JOC2-022.0	63,938	0	0	0	0	63,938	
1.3.202.01.040.02 - JOC2-022:15&22 POTHOLING UTIL1 LGHT FNDS	63,938	0	0	0	0	63,938	
203 - JOC2-029.0	53,317	0	0	0	0	53,317	
1.3.203.07.040.02 - JOC0292-029: RELOCATE VAULTS-S	53,317	0	0	0	0	53,317	
302 - PG&E	1,988,173	3,872,299	113,214	0	3,872,299	(1,884,126)	
1.3.302.03.050.03 - PGE PERMANENT POWER UMS	(2,350,000)	0	0	0	0	(2,350,000)	
1.3.302.03.050.03 - PGE POWER FEED UMS	2,959,826	1,303,077	8,505	0	1,303,077	1,656,749	
1.3.302.04.050.03 - PGE PERMANENT POWER CTS	(2,350,000)	0	0	0	0	(2,350,000)	
1.3.302.04.050.03 - PGE POWER FEED CTS	2,959,826	0	0	0	0	2,959,826	
1.3.302.05.050.03 - PGE PERMANENT POWER YBM	(2,368,540)	0	0	0	0	(2,368,540)	
1.3.302.05.050.03 - PGE POWER FEED YBM	3,125,222	2,569,222	104,709	0	2,569,222	556,000	
1.3.302.09.050.03 - PGE POWER FEED STS	11,839	0	0	0	0	11,839	
331 - BAY AREA RAPID TRANSIT (BART)	951,356	471,063	0	0	471,063	480,293	
1.3.331.01.080.04 - CM:SFMTA LABOR-ENG SVCS-IRP/BART/SF	50,000	33,152	0	0	33,152	16,848	

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1.3.331.01.080.06 - CM: BAY AREA RAPID TRANSIT (BART) [122A]	901,356	437,911	0	0	437,911	463,445	
333 - AMERICAN PUBLIC TRANSP. ASSOCIATION (APTA) CS-APTA	146,500	62,112	0	0	62,112	84,388	
1.3.333.01.080.03 - APTA:APTA - IRP [2G]	46,500	31,054	0	0	31,054	15,446	
1.3.333.01.080.03 - APTA:APTA - IRP [2C]	100,000	31,058	0	0	31,058	68,942	
334 - BART FARE COLLECTION SYSTEM	700,000	475,136	0	0	475,136	224,864	
1.3.334.01.050.06 - BART:BART FARE COLLECTION EQP	700,000	475,136	0	0	475,136	224,864	
401 - ECONOMIC AND WORKFORCE DEVELOPMENT (EWD)	17,600	17,600	0	0	17,600	0	
1.3.401.01.080.04 - EWD: MAYORS OFFICE ECON DEV	17,600	17,600	0	0	17,600	0	
402 - DEPARTMENT OF TECHNOLOGY	242,371	250,534	0	0	250,534	(8,163)	
1.3.402.07.050.04 - DT:1UTL:COMM. CONNECTIONS	166,756	179,179	0	0	179,179	(12,423)	
1.3.402.08.050.04 - DT:2UTL:COMM.CONNECTIONS	75,615	71,354	0	0	71,354	4,261	
404 - DEPARTMENT OF BUILDING INSPECTION (DBI)	1,204,081	1,204,081	0	0	1,204,081	0	
1.3.404.01.080.06 - DPT OF BUILDING INSPECTION	1,204,081	1,204,081	0	0	1,204,081	0	
491 - FORM B - REIMBURSEMENT	(12,227,954)	0	0	0	0	(12,227,954)	
1.3.491.02.040.02 - FORMB - CONTRACT 1252 UTILITY REIMBUR	(254,050)	0			0	(254,050)	76
1.3.491.03.040.02 - FORMB - UMS:CONTRACT 1300 UTILITY REIMBURSEMENT	(528,370)	0			0	(528,370)	77
1.3.491.04.040.02 - FORMB - CTS:CONTRACT 1300 UTILITY REIMBURSEMENT	(451,703)	0			0	(451,703)	78
1.3.491.05.040.02 - FORMB - YBM:CONTRACT 1300 UTILITY REIMBURSEMENT	(100,000)	0			0	(100,000)	79
1.3.491.06.040.02 - FORMB - CONTRACT 1300 UTILITY REIMBUR	0	0			0	0	80
1.3.491.07.040.02 - FORMB - CONTRACT 1250 UTILITY REIMBUR	(2,275,419)	0			0	(2,275,419)	81
1.3.491.08.040.02 - FORMB - CONTRACT 1251 UTILITY REIMBUR	(7,618,412)	0			0	(7,618,412)	82
1.3.491.09.040.02 - FORMB - STS:CONTRACT 1300 UTILITY REIMBURSEMENT	(1,000,000)	0			0	(1,000,000)	83
TOTAL CONSTRUCTION PHASE	**1,360,858,864**	**1,241,365,472**	**16,034,749**	**12,255,018**	**1,253,620,490**	**106,320,205**	
1.4.091.01.070.01 - LRVS: LIGHT RAIL VEHICLES RFP [34B]	1,324,123	1,319,773	0	0	1,319,773	4,350	
1.4.091.01.070.01 - LRVS: LIGHT RAIL VEHICLES PROJECT MGT [68E]	828,009	828,009	0	0	828,009	0	
1.4.091.01.070.01 - LRVS: LRV PROCUREMENT ODC	25,000	0	0	0	0	25,000	
1.4.091.01.070.01 - LRVS: LRV PROCUREMENT	14,622,868	9,781,465	0	0	9,781,465	4,841,403	
TOTAL VEHICLES	**16,800,000**	**11,929,247**	**0**	**0**	**11,929,247**	**4,870,753**	
1.5.015.01.060.01 - RE: EASEMENT ACQUISIT	400,000	322,939	0	0	322,939	77,061	
1.5.015.01.060.01 - RE: REAL EST SITE ACQ	15,955,138	14,224,616	0	0	14,224,616	1,730,522	
1.5.015.01.060.01 - RE: REAL ESTATE	766,272	766,272	0	0	766,272	0	
1.5.015.01.060.01 - RE: REC & PARK MOU	6,987,624	6,987,624	0	0	6,987,624	0	
1.5.015.01.060.01 - RE:-DEPT OF TRANSPOR	2,686,000	2,686,000	0	0	2,686,000	0	
1.5.015.01.060.01 - RE:-LICENSES FEES	400,000	381,311	0	0	381,311	18,689	
1.5.023.01.060.01 - ATTY:REAL ES	2,764,872	2,764,872	0	0	2,764,872	0	
1.5.101.01.060.02 - RES.RELO: RELOCATION COST	1,275,200	1,289,701	0	0	1,289,701	(14,501)	
1.5.102.01.060.02 - COMM.RELO-RELOC COMMERCIAL	905,311	1,119,729	0	0	1,119,729	(214,418)	
TOTAL ROW, LAND, EXISTING IMPROVEMENTS	**32,140,418**	**30,543,065**	**0**	**0**	**30,543,065**	**1,597,353**	
90 - CONTINGENCY	24,195,114	0	0	0	0	24,195,114	
1.7.500.91.090.00 - UNALLOCATED CONTINGENCY	6,882,669					6,882,669	84
TOTAL ALLOCATED CONTINGENCY	17,312,445					17,312,445	
TOTAL PROJECT COST	**1,578,300,000**	**1,444,330,796**	**16,034,749**	**12,255,018**	**1,456,585,813**	**120,796,016**	

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.

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

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Appendix B

DETAIL SCHEDULE REPORTS

SCHEDULE HIGHLIGHTS

The Master Project Schedule (MPS) below includes progress through November 2019. The November 2019 Schedule Update submittal from Contract 1300 Contractor was not submitted as the CN1300 Contractor has not provided the updated corrections to their June 2017, through July 2018 Schedule Updates. The Contract 1300 schedule represented in this report is based on the SFMTA November 2019 Schedule Update.

The MPS keeps showing a forecast Revenue Service Date of Summer 2021 based on a revised assessment of the overall schedule and the current project conditions. The revised schedule will be evaluated with the FTA during a risk schedule and cost workshop in October. Based on the workshop, the Program will revise the Master Project Schedule to reflect the new schedule.

The controlling critical (longest) path of the MPS runs through the electrical activities within the tunnel which are impacting the TPC's Startup and Testing and subsequently the rail activation process. The latest schedule shows the longest path running through the Surface, Tracks and Systems (STS).

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

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

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

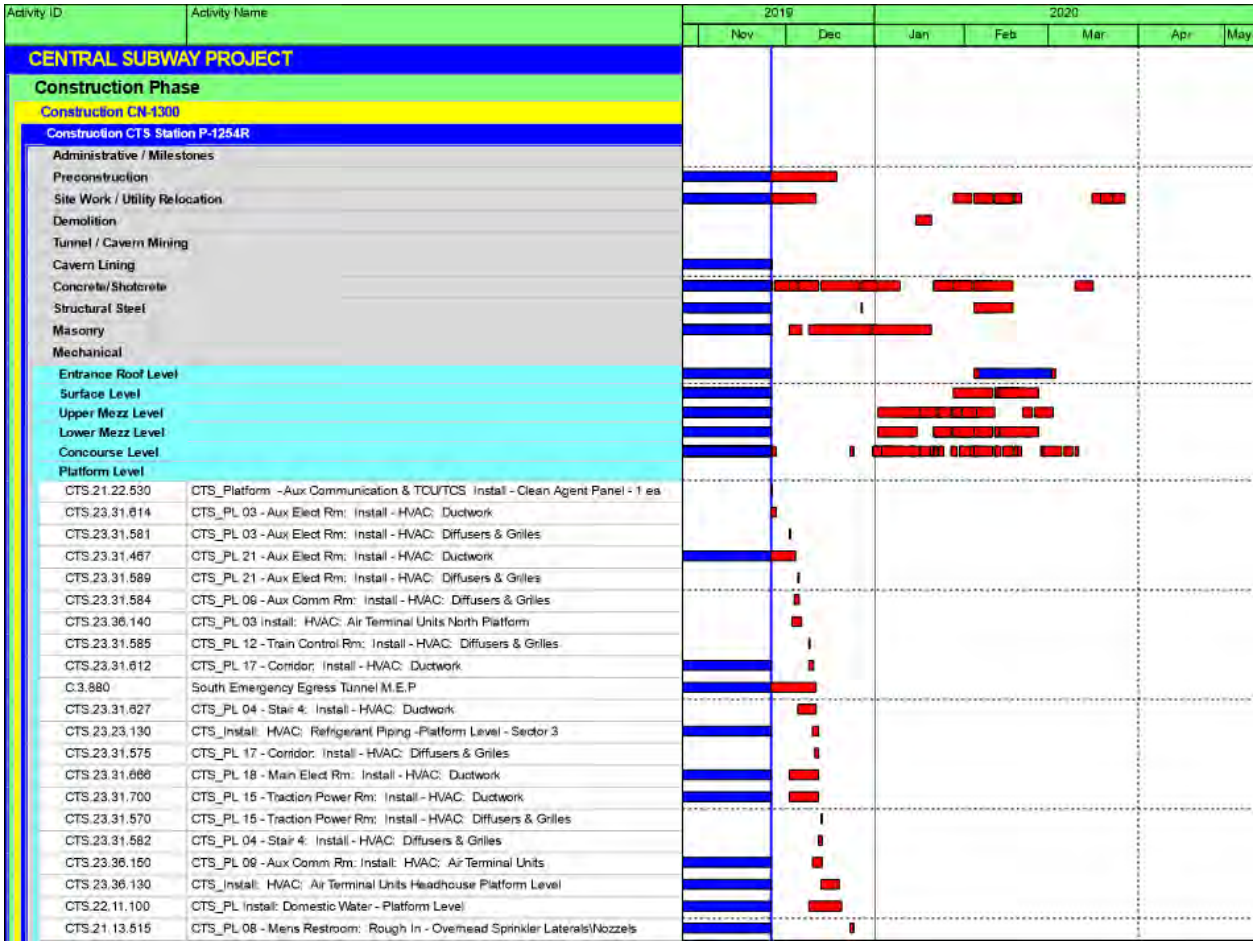
The Contractor, Tutor Perini Corporation's (TPC) baseline schedule is incorporated into the master program schedule. The preliminary SFMTA Contract 1300 November 2019 schedule is used within the November Report. The SFMTA Contract 1300 November 2019 schedule is based on the approved baseline schedule logic with adjustments made as mentioned above. The SFMTA will continue to use the SFMTA Contract 1300 schedule update as a forecasting tool going forward until the Contract 1300 Contractor submits an acceptable schedule that addresses all SFMTA's scheduling concerns.

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

- Completed construction of Stair 2 and 3
- Continued installing stair 5
- Continued electrical switchgear installation on the concrete pads and HVAC ductwork installation at Headhouse Platform level
- Continued Emergency Ventilation fan installation at Headhouse Under Platform level
- Continued CMU wall curb installation on the Headhouse Underplatform Level, Platform Level, Lower Mezanine and Upper mezzanine Levels.
- Continued shotcrete for slurry walls, installing drain mat and waterproofing for Concourse, Intermediate, Lower Mezzanine, and Upper Mezzanine levels at Headhouse
- Completed rebar installation, formwork, and concrete for North/South Cavern Headwalls
- Completed removing temp wales and bracing at Headhouse
- Continued construction of South and West walls for PCC 50 Chinatown Plaza
- Continued street work (minor), ongoing monitoring and surveying

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

- Continue installing GFRC panels at North and South Platform Caverns
- Continue installing Escalator 1 & 2 at North Platform Cavern
- Continue electrical switchgear installation at Headhouse Platform level
- Continue shotcrete for slurry walls, install drain mat and waterproofing for Concourse, Intermediate, Lower Mezzanine and Upper Mezzanine levels at Headhouse
- Continue Escalator 1 & 2 installation
- Begin Escalator 3, 4, 5, and 6 installation
- Begin installing traction power equipment at Traction Power room at Platform level
- Begin Arch closure composite wall and GFRC panel installation at Concourse level
- Continue CMU wall construction at all levels of Headhouse
- Continue construction of PCC 50 Chinatown Plaza walls



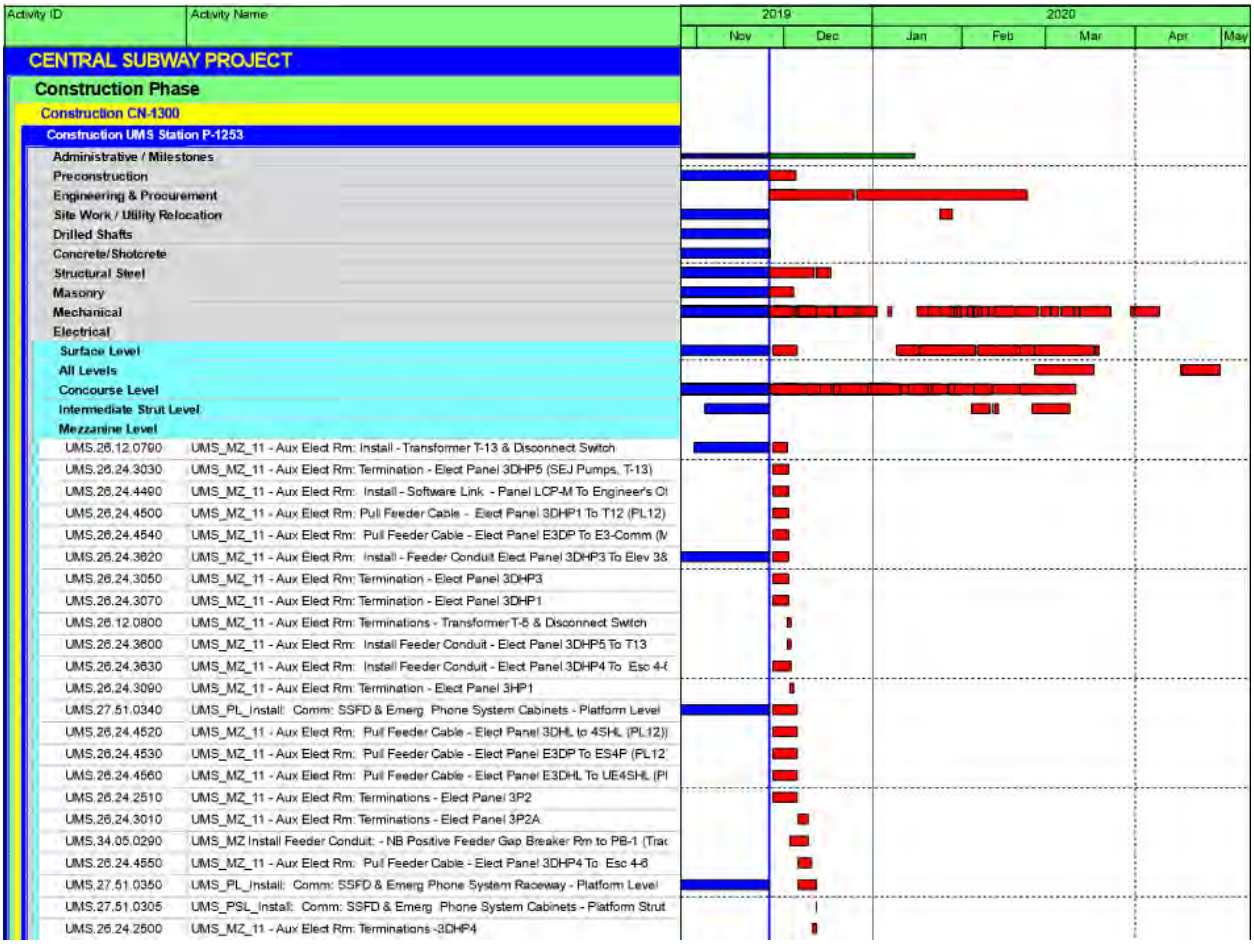
Work Package P-1253 (UMS) has performed the following work this month:

- Platform Station: Continued construction of stairs and elevators. Continued installation of glass enclosure around elevators and escalators. Continued to install overhead plumbing, fire protection piping, and overhead fixture and electrical. Continued installation of unistrut grid for ceiling panels and LED Artwork on Concourse Level. Continued installation of ceiling panels. Continued installation of light fixtures and controls. Continued installation of Curved Metal Panel on Platform Strut Level. Continued installation of frames for doors on all Levels. Continued preparation for installation of terrazzo on Platform level
- North Concourse: Continued construction of stairs and elevators. Continued installation of overhead plumbing, fire protection piping, and overhead fixture and electrical. Continued cement plaster finish in various rooms. Continued installation of glass wall panels
- South Concourse: Continued installation of overhead electrical, ceiling panels, and crystallized glass at ticket vending machine. Continued installation of unistrut for ceiling panels and LED artwork. Continued installation of glass wall panels. Continued installation of terrazzo flooring

- Street/Surface: Continued waterproofing and installation of precast architectural concrete elements for USG terrace level. Continued installation of USG Roof level exhaust vent. Continued installation of granite curb and ramp, and preparation of sidewalk for bricks on Market and Ellis Streets

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

- Platform Station: Continue construction of stairs and elevators. Continue installation of glass enclosure around elevators. Continue installation of escalators. Continue installation of glass enclosure for escalators. Continue to install overhead plumbing, fire protection piping, and overhead fixture and electrical. Continue installation of unistrut grid for ceiling panels and LED Artwork on Concourse Level. Continue installation of ceiling panels. Continue installation of light fixtures and controls. Continue installation of Curved Metal Panel on Platform Strut Level. Continue installation of frames and begin installation of doors on all Levels. Continue preparation for installation of terrazzo on Platform Level and installation of terrazzo
- North Concourse: Continue construction of stairs and elevators. Continue installation of overhead plumbing, fire protection piping, and overhead fixture and electrical. Continue cement plaster finish in various rooms. Continue installation of glass wall panels
- South Concourse: Continue installation of overhead electrical, ceiling panels, and crystallized glass at ticket vending machine. Continue installation of unistrut for ceiling panels and LED artwork. Began installation of glass wall panels. Continue installation of terrazzo flooring
- Street/Surface: Continue waterproofing and installation of precast architectural concrete elements for USG terrace level. Continue installation of USG Roof level exhaust vent. Continue installation of granite curb, brick sidewalk, and pedestrian ramps on Market Street and Ellis Streets. Begin Ellis Entrance finishes

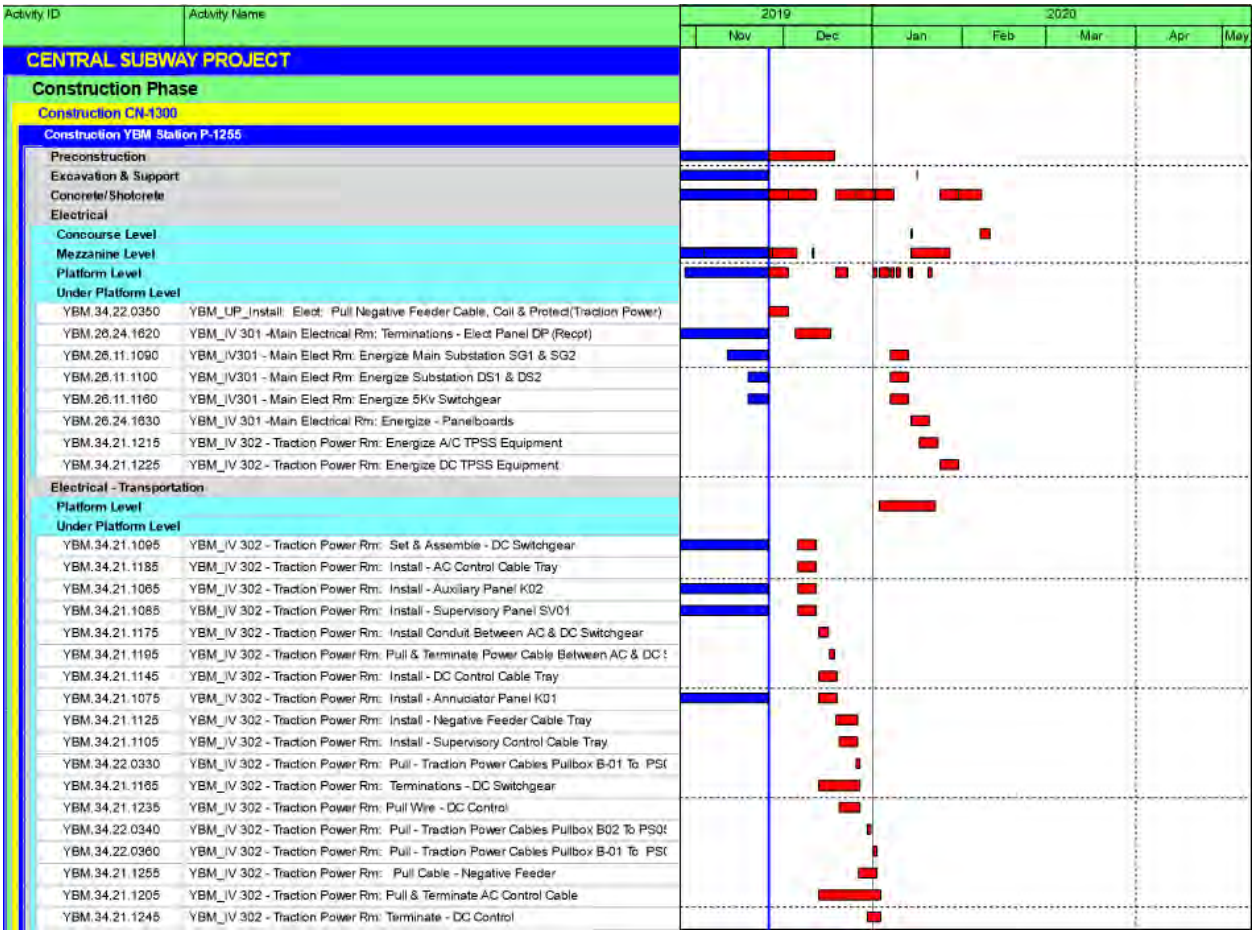


Work Package P-1255 (YBM) has performed the following work this month:

- Continued installing Escalators 1 and 2
- Began installing canopy frame at Headhouse Roof
- Began installing skylight at Headhouse Roof
- Continued installing duct work for Vent Shaft
- Began installing doors at Headhouse Mezzanine
- Continued installing sound dampers at Station Mezzanine
- Began installing terrazzo finish in Headhouse Concourse
- Began installing doors at Headhouse Concourse
- Continued installing metal wall and ceiling in Station Concourse
- Began installing doors at Station Concourse
- Continued installing metal wall panels in Station Invert level

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

- Continue installing Elevators 3 and 4
- Continue installing skylight at Headhouse Roof
- Begin installing insulation at Headhouse Roof
- Continue installation of Headhouse Vent Shaft
- Continued installing duct work for Headhouse Mezzanine
- Continue placing concrete floor at Headhouse Mezzanine
- Continue installing finished floor in Headhouse Concourse
- Continue installing Station Agent Booth at Headhouse Concourse
- Begin installing toilets and lockers in Headhouse Concourse
- Begin installing artwork at Headhouse Concourse
- Continue installing metal wall and ceiling in Station Concourse



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

- Continued traction power conduit and other electrical conduit installation inside tunnel
- Continued tunnel lighting installation
- Continued track pavement installation at 4th Street portal
- Completed track installation at 4th/Brannan intersection

- Continued 4th/Brannan platform construction
- Completed artwork installation at 4th/Brannan station
- Continued splicing traction power cables on 4th Street

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

- Continue 4th/Brannan platform construction
- Start artwork installation at 4th/Brannan station
- Continue traction power conduit and other electrical conduit installation inside tunnel
- Continue tunnel lighting installation
- Start OCS hanger installation inside tunnel
- Continue walkway installation inside tunnel
- Start track pavement construction at tunnel portal
- Continue track installation on 4th Street
- Continue pulling traction power cables on 4th Street

SCHEDULE REVISIONS

The SFMTA Contract 1300 November 2019 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

November 2019

Minimum Schedule Contingency
Series3
Series4

Schedule Float (Months)

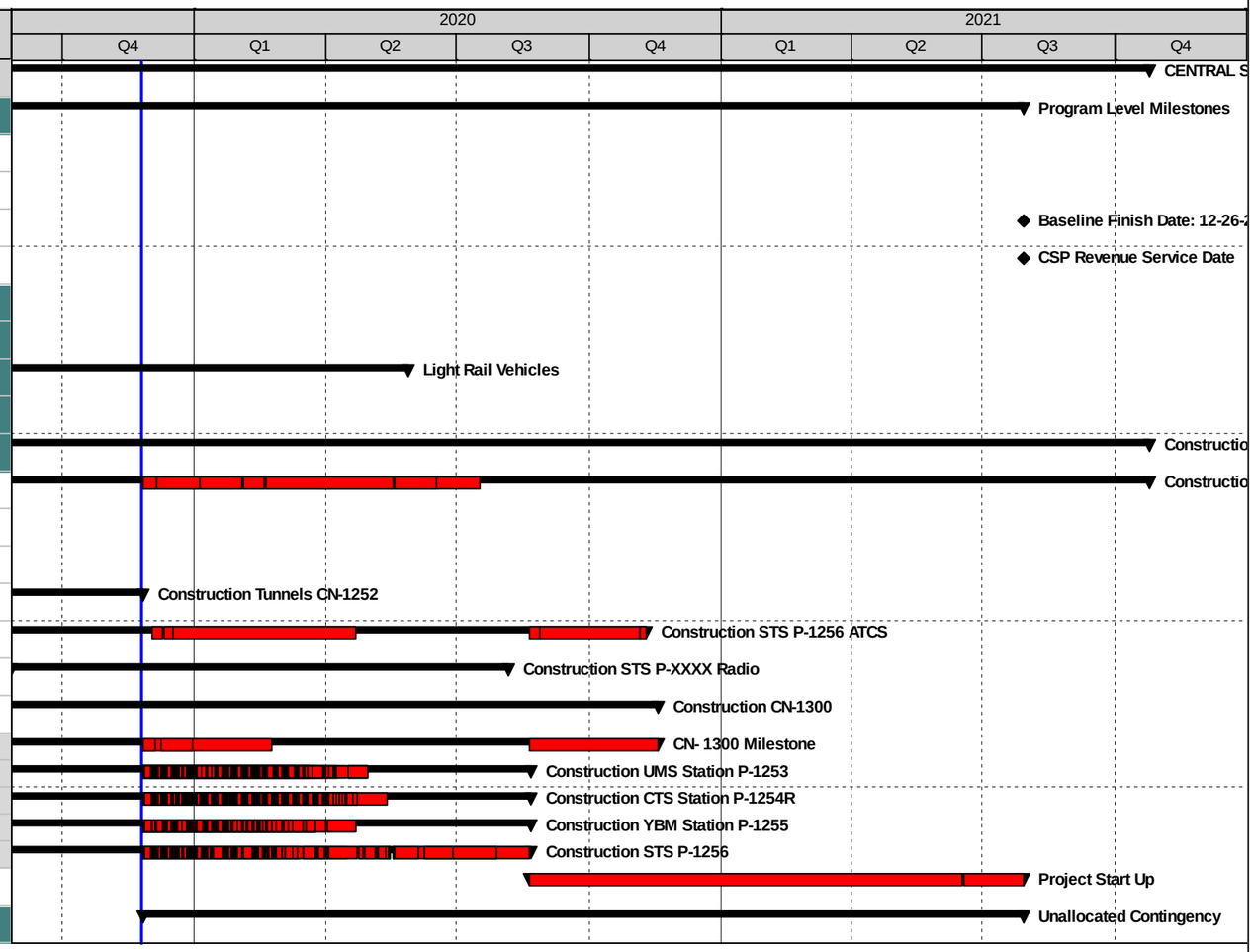
30
25
20
15
10
5
0
-5
-10
-15
-20

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

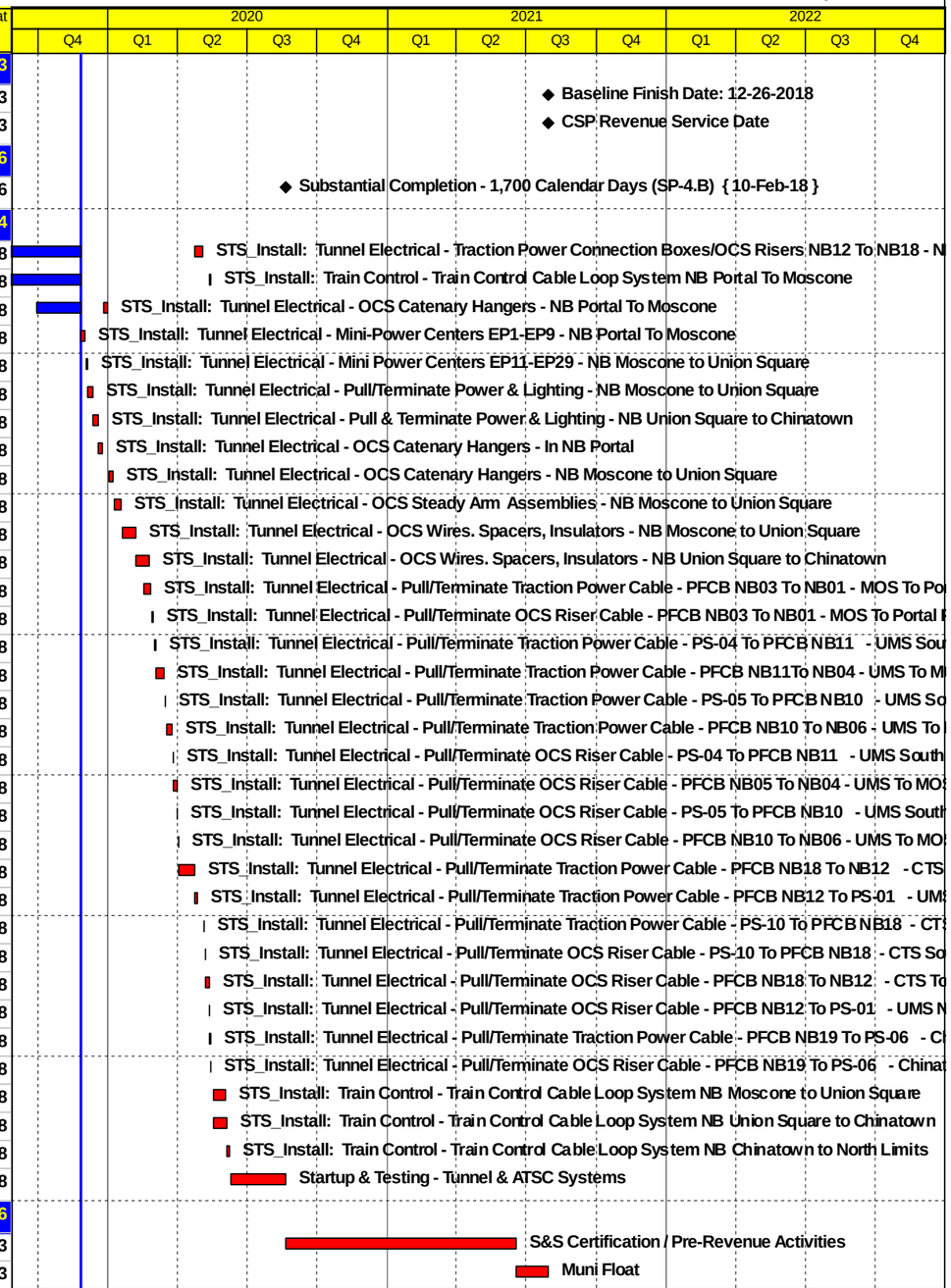
8
6
(3.2) contingency deficiency
(16.8) contingency deficiency
(14) contingency deficiency

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

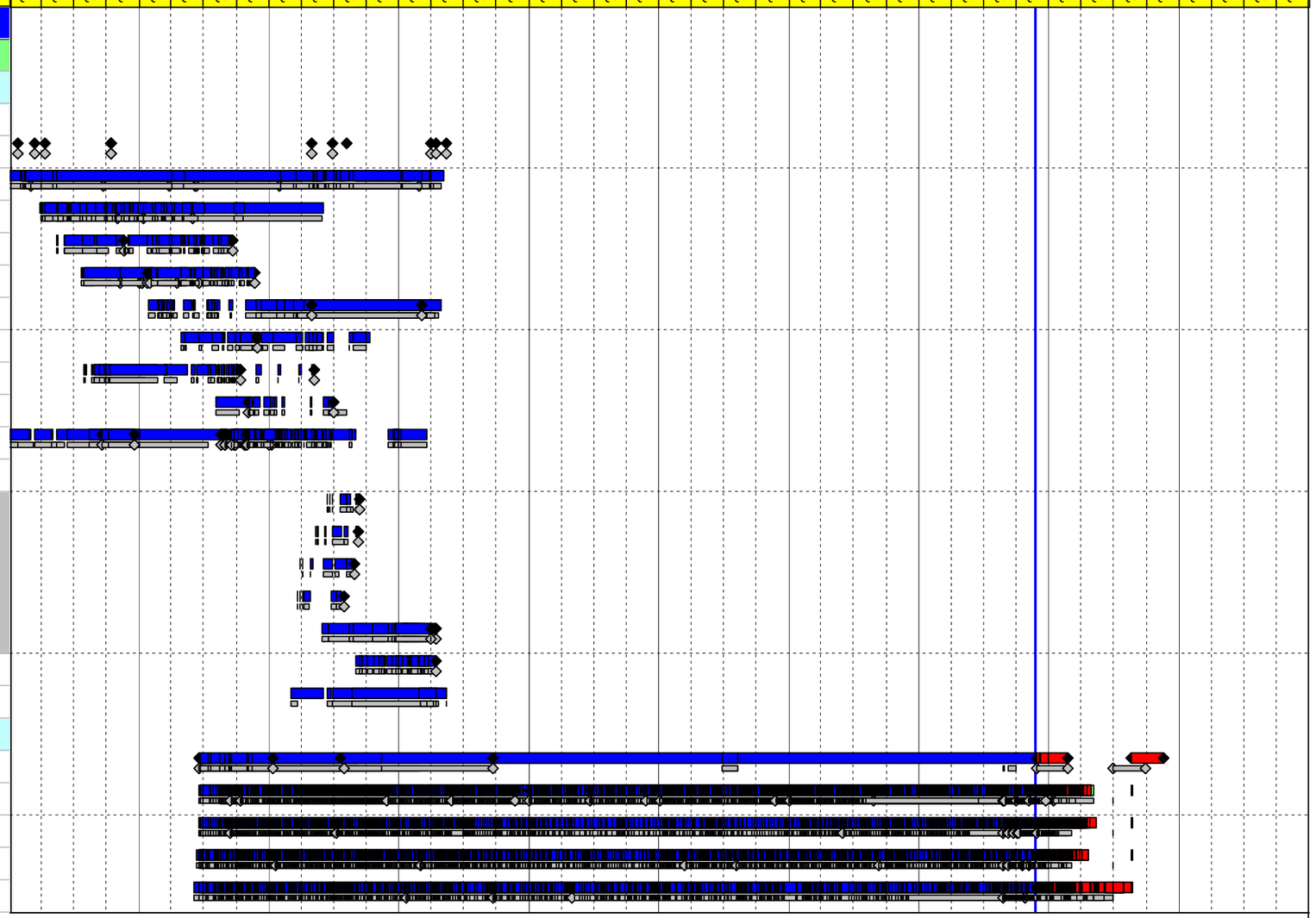
Activity ID	Activity Name	Original Duration	Start	Finish
CENTRAL SUBWAY PROJECT		4798	03-Jun-03 A	25-Oct-21
Program Level Milestones		4958	03-Jun-03 A	29-Jul-21
PJD1000	Central Subway Project Start	0	03-Jun-03 A	
MS0004A	Tunnel Excavation Complete - Project Milestone #4A	0		05-Sep-14 A
MS0019	Baseline Finish Date: 12-26-2018	0		29-Jul-21*
MS0009	CSP Revenue Service Date	0		29-Jul-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		2601	15-Apr-13 A	28-May-20
Real Estate		3130	01-Aug-08 A	02-Jan-14 A
Construction Phase		3079	04-Jan-10 A	25-Oct-21
Construction Support and Costs		3578	04-Jan-10 A	25-Oct-21
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	26-Nov-19
Construction STS P-1256 ATCS		1735	20-May-14 A	09-Nov-20
Construction STS P-XXXX Radio		195	27-Aug-19 A	06-Aug-20
Construction CN-1300		1936	03-Jun-13 A	18-Nov-20
CN- 1300 Milestone		1936	17-Jun-13 A	18-Nov-20
Construction UMS Station P-1253		1873	17-Jun-13 A	21-Aug-20
Construction CTS Station P-1254R		1873	17-Jun-13 A	21-Aug-20
Construction YBM Station P-1255		1873	10-Jun-13 A	21-Aug-20
Construction STS P-1256		1873	03-Jun-13 A	21-Aug-20
Project Start Up		343	20-Aug-20	29-Jul-21
Unallocated Contingency		419	26-Nov-19	29-Jul-21



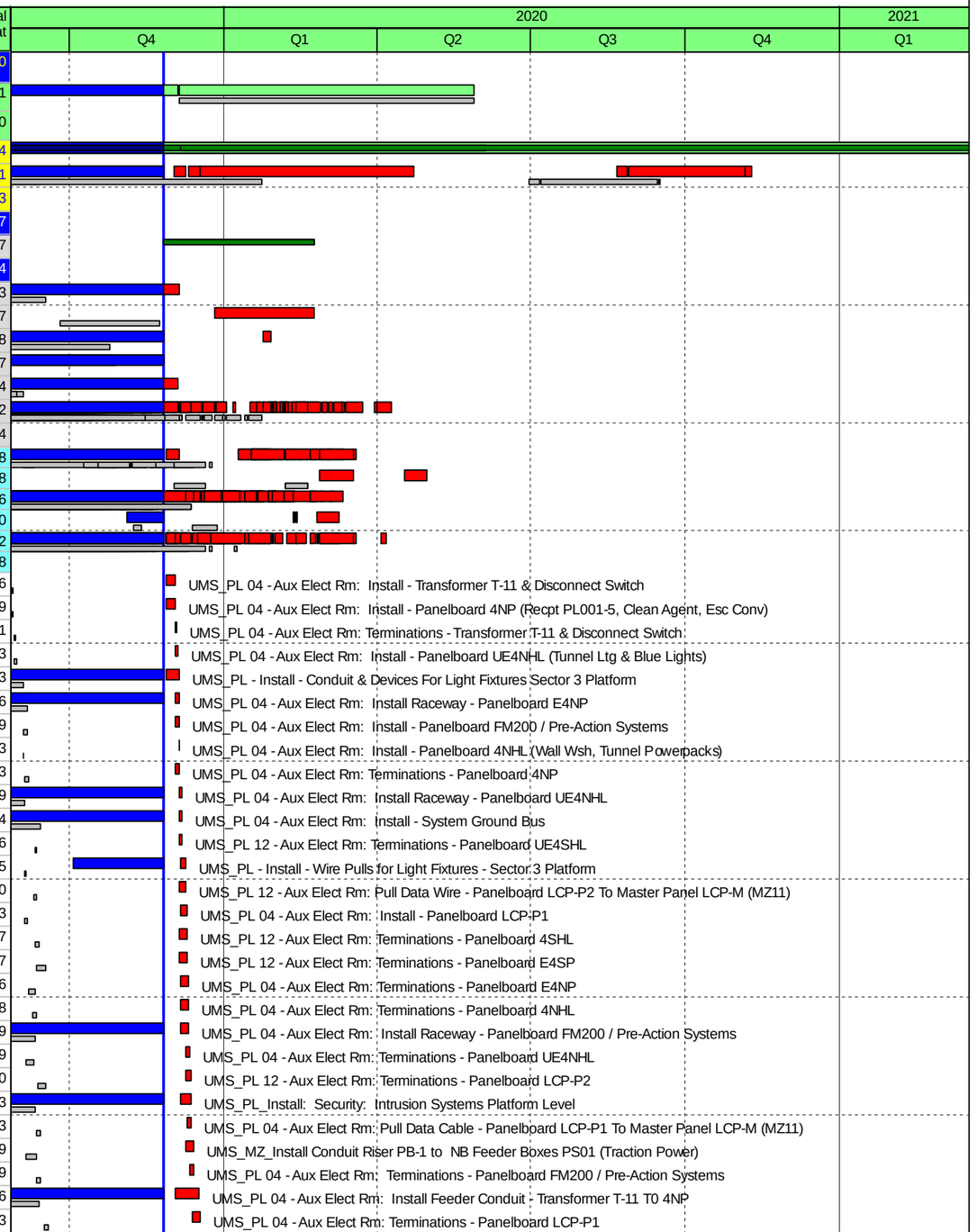
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
Program Level Milestones		**0**	**29-Jul-21**	**29-Jul-21**	**-293**
MS0019	Baseline Finish Date: 12-26-2018	0		29-Jul-21*	-293
MS0009	CSP Revenue Service Date	0		29-Jul-21*	-293
CN- 1300 Milestone		**0**	**20-Aug-20**	**20-Aug-20**	**-426**
MS-10	Substantial Completion - 1,700 Calendar Days (SP-4.B) { 10-Feb-18 }	0		20-Aug-20*	-426
Construction STS P-1256		**312**	**06-May-19 A**	**20-Aug-20**	**-304**
STS.26.05.0785	STS_Install: Tunnel Electrical - Traction Power Connection Boxes/OCS Risers NB12 Tc	7	06-May-19 A	04-May-20	-298
STS.34.42.0390	STS_Install: Train Control - Train Control Cable Loop System NB Portal To Moscone	4	13-May-19 A	15-May-20	-298
STS.34.23.0460	STS_Install: Tunnel Electrical - OCS Catenary Hangers - NB Portal To Moscone	5	30-Sep-19 A	01-Jan-20	-298
STS.26.05.0440	STS_Install: Tunnel Electrical - Mini-Power Centers EP1-EP9 - NB Portal To Moscone	3	26-Nov-19	02-Dec-19	-298
STS.26.05.0820	STS_Install: Tunnel Electrical - Mini Power Centers EP11-EP29 - NB Moscone to Union	3	03-Dec-19	05-Dec-19	-298
STS.26.05.3910	STS_Install: Tunnel Electrical - Pull/Terminate Power & Lighting - NB Moscone to Unior	5	06-Dec-19	12-Dec-19	-298
STS.26.05.3920	STS_Install: Tunnel Electrical - Pull & Terminate Power & Lighting - NB Union Square tc	5	13-Dec-19	19-Dec-19	-298
STS.34.23.1800	STS_Install: Tunnel Electrical - OCS Catenary Hangers - In NB Portal	3	20-Dec-19	24-Dec-19	-298
STS.34.23.0850	STS_Install: Tunnel Electrical - OCS Catenary Hangers - NB Moscone to Union Square	5	02-Jan-20	08-Jan-20	-298
STS.34.23.1940	STS_Install: Tunnel Electrical - OCS Steady Arm Assemblies - NB Moscone to Union S	7	09-Jan-20	17-Jan-20	-298
STS.34.23.1850	STS_Install: Tunnel Electrical - OCS Wires. Spacers, Insulators - NB Moscone to Union	14	20-Jan-20	06-Feb-20	-298
STS.34.23.1870	STS_Install: Tunnel Electrical - OCS Wires. Spacers, Insulators - NB Union Square to C	12	07-Feb-20	24-Feb-20	-298
STS.34.22.2900	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB03 To N	8	17-Feb-20	26-Feb-20	-298
STS.34.22.3090	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB03 To NB01	2	27-Feb-20	28-Feb-20	-298
STS.34.22.2880	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PS-04 To PFCB N	2	02-Mar-20	03-Mar-20	-298
STS.34.22.2890	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB11To NI	8	04-Mar-20	13-Mar-20	-298
STS.34.22.2910	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PS-05 To PFCB N	1	16-Mar-20	16-Mar-20	-298
STS.34.22.2920	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB10 To N	7	17-Mar-20	25-Mar-20	-298
STS.34.22.3070	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PS-04 To PFCB NB11	1	26-Mar-20	26-Mar-20	-298
STS.34.22.3080	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB05 To NB04	3	27-Mar-20	31-Mar-20	-298
STS.34.22.3100	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PS-05 To PFCB NB10	1	01-Apr-20	01-Apr-20	-298
STS.34.22.3110	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB10 To NB06	1	02-Apr-20	02-Apr-20	-298
STS.34.22.2860	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB18 To N	15	03-Apr-20	23-Apr-20	-298
STS.34.22.2870	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB12 To P.	2	24-Apr-20	27-Apr-20	-298
STS.34.22.2850	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PS-10 To PFCB N	2	05-May-20	06-May-20	-298
STS.34.22.3040	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PS-10 To PFCB NB18	1	07-May-20	07-May-20	-298
STS.34.22.3050	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB18 To NB12	3	08-May-20	12-May-20	-298
STS.34.22.3060	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB12 To PS-01	1	13-May-20	13-May-20	-298
STS.34.22.2840	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB19 To P.	2	13-May-20	14-May-20	-298
STS.34.22.3030	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB19 To PS-06	1	15-May-20	15-May-20	-298
STS.34.42.0770	STS_Install: Train Control - Train Control Cable Loop System NB Moscone to Union Sq	13	18-May-20	03-Jun-20	-298
STS.34.42.1150	STS_Install: Train Control - Train Control Cable Loop System NB Union Square to Chin	14	18-May-20	04-Jun-20	-298
STS.34.42.1520	STS_Install: Train Control - Train Control Cable Loop System NB Chinatown to North Li	2	05-Jun-20	08-Jun-20	-298
STS.34.42.425	Startup & Testing - Tunnel & ATSC Systems	53	09-Jun-20	20-Aug-20	-298
Project Start Up		**343**	**20-Aug-20**	**29-Jul-21**	**-426**
STU1010	S&S Certification / Pre-Revenue Activities	206	20-Aug-20	17-Jun-21	-293
BUF0018	Muni Float	29	18-Jun-21	29-Jul-21	-293



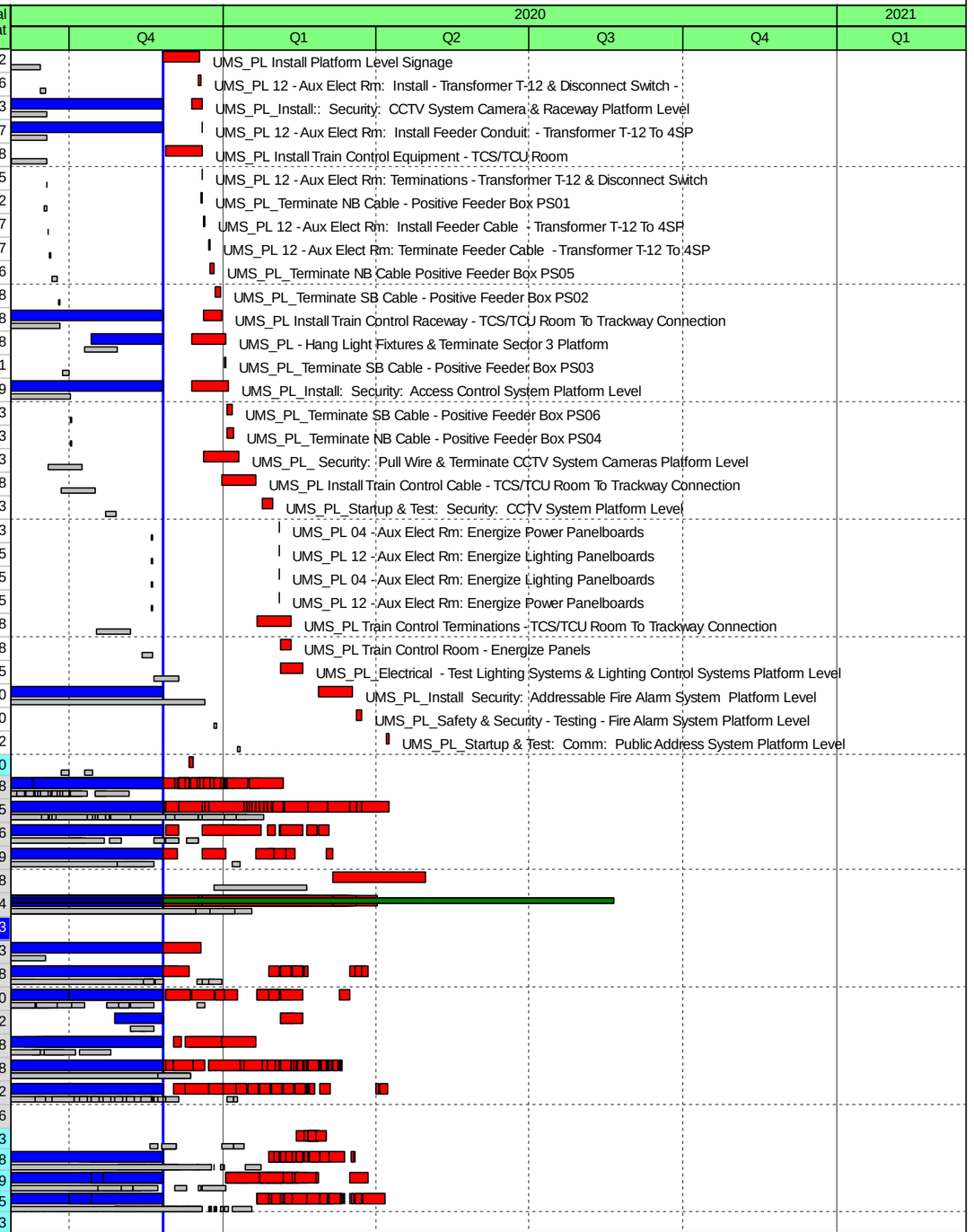
Activity Name	Original Duration	Start	Finish
CENTRAL SUBWAY PROJECT	2464	08-Jun-11 A	18-Nov-20
Construction Phase	2464	08-Jun-11 A	18-Nov-20
Construction Tunnels CN-1252	1518	08-Jun-11 A	15-May-15 A
1252 Tunnel Contract BIH	1518	08-Jun-11 A	15-May-15 A
Contract Milestones	1437	08-Jun-11 A	15-May-15 A
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
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	1936	03-Jun-13 A	18-Nov-20
CN- 1300 Milestone	1936	17-Jun-13 A	18-Nov-20
Construction UMS Station P-1253	1873	17-Jun-13 A	21-Aug-20
Construction CTS Station P-1254R	1873	17-Jun-13 A	21-Aug-20
Construction YBM Station P-1255	1873	10-Jun-13 A	21-Aug-20
Construction STS P-1256	1873	03-Jun-13 A	21-Aug-20



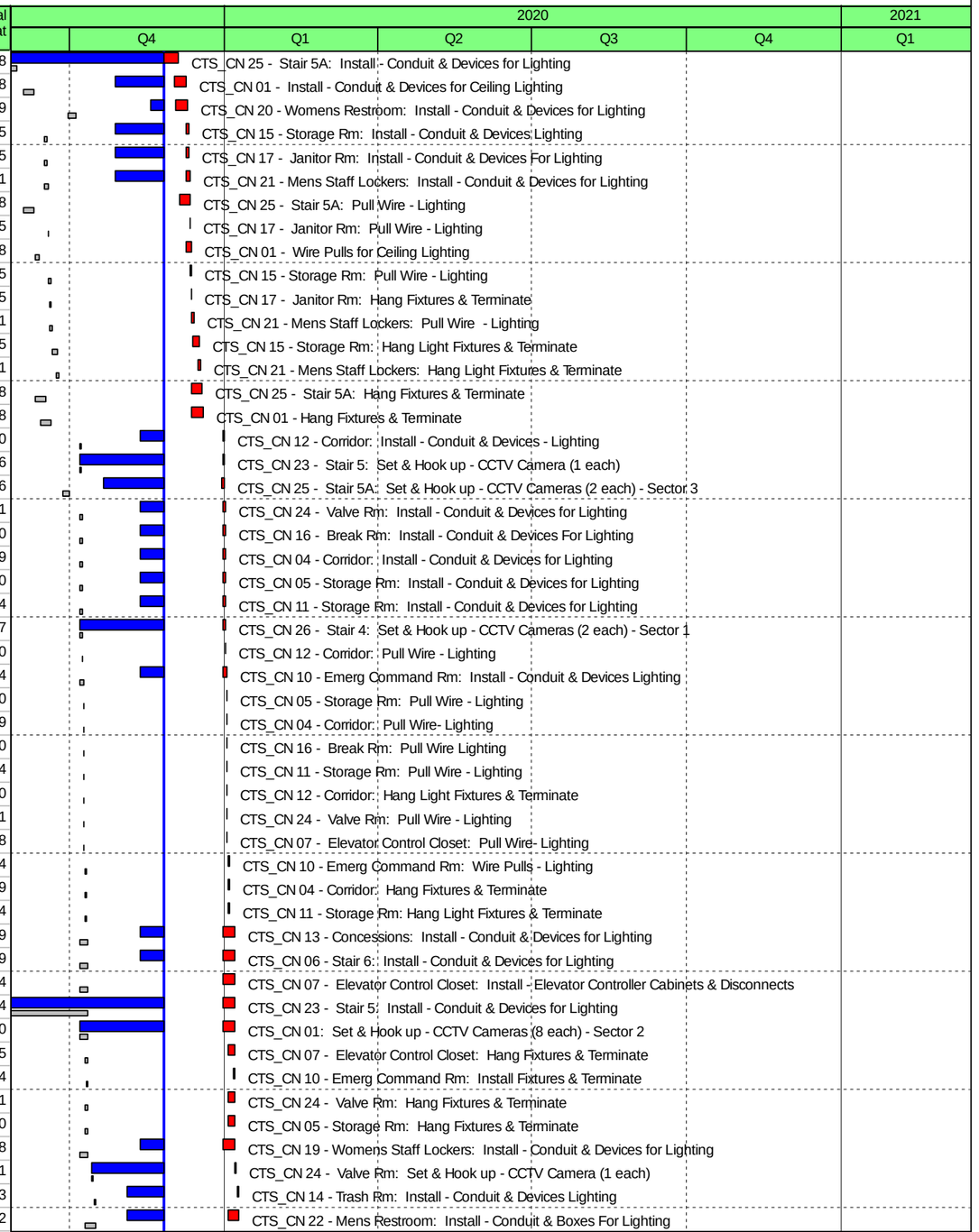
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
CENTRAL SUBWAY PROJECT		3794	04-Jan-10 A	05-Jun-22	290
Light Rail Vehicles		923	29-Aug-16 A	28-May-20	1
Construction Phase		3794	04-Jan-10 A	05-Jun-22	290
Construction Support and Costs		5314	04-Jan-10 A	05-Jun-22	404
Construction STS P-1256 ATCS		1052	16-May-16 A	09-Nov-20	-31
Construction CN-1300		1873	09-Jan-14 A	21-Aug-20	63
CN- 1300 Milestone		90	26-Nov-19	23-Feb-20	-247
No 13-Disp		90	26-Nov-19	23-Feb-20	-247
Construction UMS Station P-1253		1790	09-Jan-14 A	20-Aug-20	64
Preconstruction		15	27-Aug-18 A	05-Dec-19	-113
Engineering & Procurement		60	26-Dec-19	23-Feb-20	-247
Site Work / Utility Relocation		58	05-Feb-18 A	28-Jan-20	-148
Drilled Shafts		283	26-Aug-16 A	26-Nov-19	257
Masonry		143	25-Jun-18 A	04-Dec-19	-184
Mechanical		947	06-Mar-17 A	09-Apr-20	-212
Electrical		478	10-Jul-17 A	30-Apr-20	-224
Surface Level		432	12-Feb-18 A	19-Mar-20	-188
All Levels		47	26-Feb-20	30-Apr-20	-218
Concourse Level		405	08-Jan-18 A	11-Mar-20	-186
Intermediate Strut Level		42	04-Nov-19 A	09-Mar-20	-190
Mezzanine Level		447	10-Jul-17 A	06-Apr-20	-202
Platform Level		417	10-Jul-17 A	08-Apr-20	-208
UMS.26.12.0770	UMS_PL 04 - Aux Elect Rm: Install - Transformer T-11 & Disconnect Switch	2	27-Nov-19	02-Dec-19	-206
UMS.26.24.2810	UMS_PL 04 - Aux Elect Rm: Install - Panelboard 4NP (Recpt PL001-5, Clean Agent, Esc Conv)	2	27-Nov-19	02-Dec-19	-169
UMS.26.12.0780	UMS_PL 04 - Aux Elect Rm: Terminations - Transformer T-11 & Disconnect Switch	1	03-Dec-19	03-Dec-19	-161
UMS.26.24.2830	UMS_PL 04 - Aux Elect Rm: Install - Panelboard UE4NHL (Tunnel Ltg & Blue Lights)	2	03-Dec-19	04-Dec-19	-143
UMS.26.50.1115	UMS_PL - Install - Conduit & Devices For Light Fixtures Sector 3 Platform	10	05-Nov-18 A	05-Dec-19	-193
UMS.26.24.2920	UMS_PL 04 - Aux Elect Rm: Install Raceway - Panelboard E4NP	3	15-Apr-19 A	05-Dec-19	-166
UMS.26.24.2820	UMS_PL 04 - Aux Elect Rm: Install - Panelboard FM200 / Pre-Action Systems	3	03-Dec-19	05-Dec-19	-169
UMS.26.24.2860	UMS_PL 04 - Aux Elect Rm: Install - Panelboard 4NHL (Wall Wsh, Tunnel Powerpacks)	1	05-Dec-19	05-Dec-19	-143
UMS.26.24.2960	UMS_PL 04 - Aux Elect Rm: Terminations - Panelboard 4NP	3	03-Dec-19	05-Dec-19	-163
UMS.26.24.2880	UMS_PL 04 - Aux Elect Rm: Install Raceway - Panelboard UE4NHL	2	17-Jul-17 A	06-Dec-19	-139
UMS.26.05.1176	UMS_PL 04 - Aux Elect Rm: Install - System Ground Bus	2	02-Jan-18 A	06-Dec-19	-164
UMS.26.24.2200	UMS_PL 12 - Aux Elect Rm: Terminations - Panelboard UE4SHL	2	05-Dec-19	06-Dec-19	-136
UMS.26.50.1145	UMS_PL - Install - Wire Pulls for Light Fixtures - Sector 3 Platform	2	03-Oct-19 A	09-Dec-19	-165
UMS.26.24.2180	UMS_PL 12 - Aux Elect Rm: Pull Data Wire - Panelboard LCP-P2 To Master Panel LCP-M (MZ11)	3	05-Dec-19	09-Dec-19	-140
UMS.26.24.2890	UMS_PL 04 - Aux Elect Rm: Install - Panelboard LCP-P1	2	06-Dec-19	09-Dec-19	-143
UMS.26.24.2270	UMS_PL 12 - Aux Elect Rm: Terminations - Panelboard 4SHL	3	05-Dec-19	09-Dec-19	-137
UMS.26.24.2240	UMS_PL 12 - Aux Elect Rm: Terminations - Panelboard E4SP	3	05-Dec-19	09-Dec-19	-157
UMS.26.24.2950	UMS_PL 04 - Aux Elect Rm: Terminations - Panelboard E4NP	3	06-Dec-19	10-Dec-19	-166
UMS.26.24.2930	UMS_PL 04 - Aux Elect Rm: Terminations - Panelboard 4NHL	3	06-Dec-19	10-Dec-19	-138
UMS.26.24.2980	UMS_PL 04 - Aux Elect Rm: Install Raceway - Panelboard FM200 / Pre-Action Systems	3	04-Feb-19 A	10-Dec-19	-169
UMS.26.24.2970	UMS_PL 04 - Aux Elect Rm: Terminations - Panelboard UE4NHL	3	09-Dec-19	11-Dec-19	-139
UMS.26.24.4450	UMS_PL 12 - Aux Elect Rm: Terminations - Panelboard LCP-P2	3	09-Dec-19	12-Dec-19	-140
UMS.28.16.0150	UMS_PL_Install: Security: Intrusion Systems Platform Level	14	10-Jul-17 A	12-Dec-19	-193
UMS.26.24.2940	UMS_PL 04 - Aux Elect Rm: Pull Data Cable - Panelboard LCP-P1 To Master Panel LCP-M (MZ11)	3	10-Dec-19	12-Dec-19	-143
UMS.34.05.0340	UMS_MZ_Install Conduit Riser PB-1 to NB Feeder Boxes PS01 (Traction Power)	5	09-Dec-19	13-Dec-19	-199
UMS.26.24.2990	UMS_PL 04 - Aux Elect Rm: Terminations - Panelboard FM200 / Pre-Action Systems	3	11-Dec-19	13-Dec-19	-169
UMS.26.12.0820	UMS_PL 04 - Aux Elect Rm: Install Feeder Conduit - Transformer T-11 T0 4NP	1	24-Jul-17 A	16-Dec-19	-206
UMS.26.24.4440	UMS_PL 04 - Aux Elect Rm: Terminations - Panelboard LCP-P1	3	13-Dec-19	17-Dec-19	-143



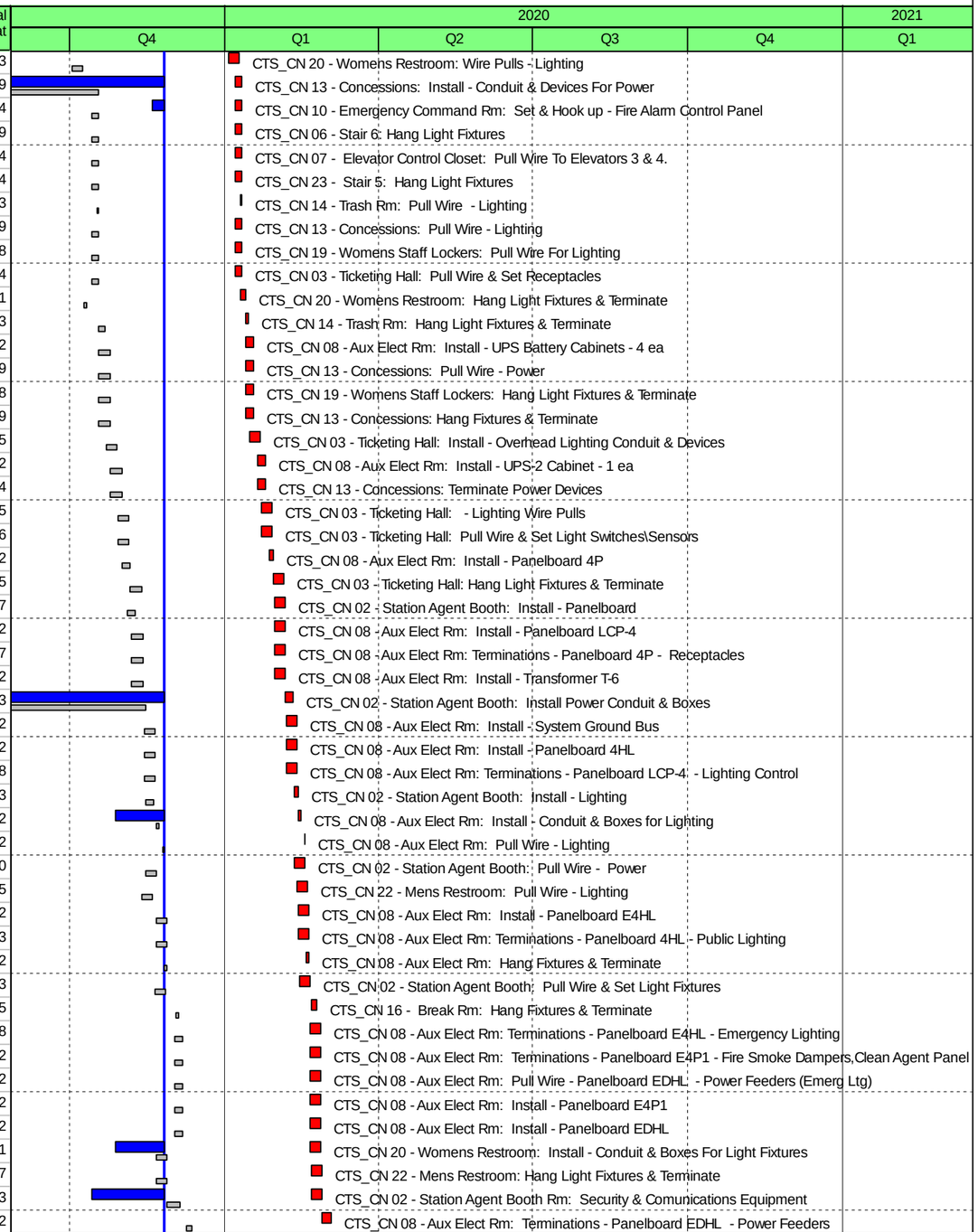
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
UMS.10.14.0290	UMS_PL Install Platform Level Signage	14	26-Nov-19	17-Dec-19	-162
UMS.26.12.0730	UMS_PL 12 - Aux Elect Rm: Install - Transformer T-12 & Disconnect Switch -	2	17-Dec-19*	18-Dec-19	-206
UMS.28.20.0090	UMS_PL_Install:: Security: CCTV System Camera & Raceway Platform Level	15	10-Jul-17 A	19-Dec-19	-193
UMS.26.12.0830	UMS_PL 12 - Aux Elect Rm: Install Feeder Conduit - Transformer T-12 To 4SP	1	24-Jul-17 A	19-Dec-19	-167
UMS.34.42.0175	UMS_PL Install Train Control Equipment - TCS/TCU Room	15	27-Nov-19	19-Dec-19	-208
UMS.26.12.0760	UMS_PL 12 - Aux Elect Rm: Terminations - Transformer T-12 & Disconnect Switch	1	19-Dec-19	19-Dec-19	-165
UMS.34.22.0510	UMS_PL_Terminate NB Cable - Positive Feeder Box PS01	2	18-Dec-19	19-Dec-19	-192
UMS.26.12.830	UMS_PL 12 - Aux Elect Rm: Install Feeder Cable - Transformer T-12 To 4SP	1	20-Dec-19	20-Dec-19	-167
UMS.26.12.840	UMS_PL 12 - Aux Elect Rm: Terminate Feeder Cable - Transformer T-12 To 4SP	1	23-Dec-19	23-Dec-19	-167
UMS.34.22.0450	UMS_PL_Terminate NB Cable Positive Feeder Box PS05	2	24-Dec-19	26-Dec-19	-196
UMS.34.22.0470	UMS_PL_Terminate SB Cable - Positive Feeder Box PS02	2	27-Dec-19	30-Dec-19	-198
UMS.34.42.175	UMS_PL Install Train Control Raceway - TCS/TCU Room To Trackway Connection	15	06-Aug-18 A	30-Dec-19	-208
UMS.26.50.1225	UMS_PL - Hang Light Fixtures & Terminate Sector 3 Platform	14	14-Oct-19 A	02-Jan-20	-168
UMS.34.22.0430	UMS_PL_Terminate SB Cable - Positive Feeder Box PS03	2	01-Jan-20	02-Jan-20	-201
UMS.28.13.0150	UMS_PL_Install: Security: Access Control System Platform Level	15	10-Jul-17 A	03-Jan-20	-149
UMS.34.22.0490	UMS_PL_Terminate SB Cable - Positive Feeder Box PS06	2	03-Jan-20	06-Jan-20	-203
UMS.34.22.0520	UMS_PL_Terminate NB Cable - Positive Feeder Box PS04	2	03-Jan-20	06-Jan-20	-203
UMS.28.20.5060	UMS_PL_ Security: Pull Wire & Terminate CCTV System Cameras Platform Level	15	20-Dec-19	10-Jan-20	-193
UMS.34.42.185	UMS_PL Install Train Control Cable - TCS/TCU Room To Trackway Connection	15	31-Dec-19	20-Jan-20	-208
UMS.28.20.9955	UMS_PL_Startup & Test: Security: CCTV System Platform Level	5	24-Jan-20	30-Jan-20	-193
UMS.26.11.1400	UMS_PL 04 - Aux Elect Rm: Energize Power Panelboards	1	03-Feb-20	03-Feb-20	-203
UMS.26.11.1430	UMS_PL 12 - Aux Elect Rm: Energize Lighting Panelboards	1	03-Feb-20	03-Feb-20	-175
UMS.26.11.1440	UMS_PL 04 - Aux Elect Rm: Energize Lighting Panelboards	1	03-Feb-20	03-Feb-20	-175
UMS.26.11.1390	UMS_PL 12 - Aux Elect Rm: Energize Power Panelboards	1	03-Feb-20	03-Feb-20	-195
UMS.34.42.195	UMS_PL Train Control Terminations - TCS/TCU Room To Trackway Connection	15	21-Jan-20	10-Feb-20	-208
UMS.34.42.205	UMS_PL Train Control Room - Energize Panels	5	04-Feb-20	10-Feb-20	-208
UMS.26.50.9920	UMS_PL_Electrical - Test Lighting Systems & Lighting Control Systems Platform Level	10	04-Feb-20	17-Feb-20	-175
UMS.28.31.0180	UMS_PL_Install Security: Addressable Fire Alarm System Platform Level	15	04-Jun-18 A	17-Mar-20	-190
UMS.28.31.9630	UMS_PL_Safety & Security - Testing - Fire Alarm System Platform Level	2	20-Mar-20	23-Mar-20	-190
UMS.27.51.9830	UMS_PL_Startup & Test: Comm: Public Address System Platform Level	2	07-Apr-20	08-Apr-20	-202
No 13-Level		3	11-Dec-19	13-Dec-19	-170
Electrical - Transportation		331	29-Mar-18 A	05-Feb-20	-188
Architectual Finishes		540	03-Jan-17 A	08-Apr-20	-205
Conveyances		292	03-Dec-18 A	03-Mar-20	-176
Stairs		302	06-Aug-18 A	06-Mar-20	-189
Startup & Testing		40	06-Mar-20	30-Apr-20	-218
No 13-Disp		1761	09-Jan-14 A	20-Aug-20	64
Construction CTS Station P-1254R		1725	22-Apr-14 A	21-Aug-20	63
Preconstruction		15	27-Aug-18 A	18-Dec-19	-123
Site Work / Utility Relocation		320	31-Dec-18 A	27-Mar-20	168
Concrete/Shotcrete		177	29-May-19 A	16-Mar-20	-200
Structural Steel		26	28-Oct-19 A	17-Feb-20	-192
Masonry		63	26-Jul-19 A	20-Jan-20	-218
Mechanical		342	05-Mar-18 A	11-Mar-20	-188
Misc Metal		133	03-Jun-19 A	07-Apr-20	-202
Electrical		337	09-Apr-18 A	06-Apr-20	-206
Entrance Roof Level		13	13-Feb-20	02-Mar-20	-213
Surface Level		128	13-May-19 A	19-Mar-20	-188
Upper Mezz Level		322	09-Apr-18 A	27-Mar-20	-209
Lower Mezz Level		184	04-Mar-19 A	06-Apr-20	-205
Concourse Level		290	08-Oct-18 A	05-Mar-20	-193



Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
CTS.26.50.538	CTS_CN 25 - Stair 5A: Install - Conduit & Devices for Lighting	5	26-Apr-19 A	04-Dec-19	-168
CTS.26.50.570	CTS_CN 01 - Install - Conduit & Devices for Ceiling Lighting	5	28-Oct-19 A	09-Dec-19	-178
CTS.26.50.504	CTS_CN 20 - Womens Restroom: Install - Conduit & Devices for Lighting	5	18-Nov-19 A	09-Dec-19	-179
CTS.26.50.482	CTS_CN 15 - Storage Rm: Install - Conduit & Devices Lighting	2	28-Oct-19 A	10-Dec-19	-195
CTS.26.50.484	CTS_CN 17 - Janitor Rm: Install - Conduit & Devices For Lighting	2	28-Oct-19 A	10-Dec-19	-165
CTS.26.50.486	CTS_CN 21 - Mens Staff Lockers: Install - Conduit & Devices for Lighting	3	28-Oct-19 A	11-Dec-19	-161
CTS.26.50.636	CTS_CN 25 - Stair 5A: Pull Wire - Lighting	5	05-Dec-19	11-Dec-19	-168
CTS.26.50.590	CTS_CN 17 - Janitor Rm: Pull Wire - Lighting	1	11-Dec-19	11-Dec-19	-165
CTS.26.50.581	CTS_CN 01 - Wire Pulls for Ceiling Lighting	3	09-Dec-19	12-Dec-19	-178
CTS.26.50.578	CTS_CN 15 - Storage Rm: Pull Wire - Lighting	2	11-Dec-19	12-Dec-19	-195
CTS.26.05.630	CTS_CN 17 - Janitor Rm: Hang Fixtures & Terminate	1	12-Dec-19	12-Dec-19	-165
CTS.26.50.584	CTS_CN 21 - Mens Staff Lockers: Pull Wire - Lighting	2	12-Dec-19	13-Dec-19	-161
CTS.26.50.588	CTS_CN 15 - Storage Rm: Hang Light Fixtures & Terminate	2	13-Dec-19	16-Dec-19	-195
CTS.26.50.592	CTS_CN 21 - Mens Staff Lockers: Hang Light Fixtures & Terminate	2	16-Dec-19	17-Dec-19	-161
CTS.26.50.666	CTS_CN 25 - Stair 5A: Hang Fixtures & Terminate	5	12-Dec-19	18-Dec-19	-168
CTS.26.50.582	CTS_CN 01 - Hang Fixtures & Terminate	5	12-Dec-19	19-Dec-19	-178
CTS.26.50.512	CTS_CN 12 - Corridor: Install - Conduit & Devices - Lighting	1	12-Nov-19 A	31-Dec-19	-210
CTS.28.20.452	CTS_CN 23 - Stair 5: Set & Hook up - CCTV Camera (1 each)	1	07-Oct-19 A	31-Dec-19	-176
CTS.28.20.442	CTS_CN 25 - Stair 5A: Set & Hook up - CCTV Cameras (2 each) - Sector 3	2	21-Oct-19 A	31-Dec-19	-176
CTS.26.50.516	CTS_CN 24 - Valve Rm: Install - Conduit & Devices for Lighting	2	12-Nov-19 A	01-Jan-20	-181
CTS.26.50.522	CTS_CN 16 - Break Rm: Install - Conduit & Devices For Lighting	2	12-Nov-19 A	01-Jan-20	-180
CTS.26.50.528	CTS_CN 04 - Corridor: Install - Conduit & Devices for Lighting	2	12-Nov-19 A	01-Jan-20	-179
CTS.26.50.530	CTS_CN 05 - Storage Rm: Install - Conduit & Devices for Lighting	2	12-Nov-19 A	01-Jan-20	-180
CTS.26.50.510	CTS_CN 11 - Storage Rm: Install - Conduit & Devices for Lighting	2	12-Nov-19 A	01-Jan-20	-214
CTS.28.20.422	CTS_CN 26 - Stair 4: Set & Hook up - CCTV Cameras (2 each) - Sector 1	2	07-Oct-19 A	01-Jan-20	-177
CTS.26.50.610	CTS_CN 12 - Corridor: Pull Wire - Lighting	1	01-Jan-20	01-Jan-20	-210
CTS.26.50.520	CTS_CN 10 - Emerg Command Rm: Install - Conduit & Devices Lighting	3	12-Nov-19 A	02-Jan-20	-184
CTS.26.50.628	CTS_CN 05 - Storage Rm: Pull Wire - Lighting	1	02-Jan-20	02-Jan-20	-180
CTS.26.50.594	CTS_CN 04 - Corridor: Pull Wire- Lighting	1	02-Jan-20	02-Jan-20	-179
CTS.26.50.620	CTS_CN 16 - Break Rm: Pull Wire Lighting	1	02-Jan-20	02-Jan-20	-180
CTS.26.50.640	CTS_CN 11 - Storage Rm: Pull Wire - Lighting	1	02-Jan-20	02-Jan-20	-214
CTS.26.50.642	CTS_CN 12 - Corridor: Hang Light Fixtures & Terminate	1	02-Jan-20	02-Jan-20	-210
CTS.26.50.646	CTS_CN 24 - Valve Rm: Pull Wire - Lighting	1	02-Jan-20	02-Jan-20	-181
CTS.26.05.720	CTS_CN 07 - Elevator Control Closet: Pull Wire- Lighting	1	02-Jan-20	02-Jan-20	-178
CTS.26.50.552	CTS_CN 10 - Emerg Command Rm: Wire Pulls - Lighting	1	03-Jan-20	03-Jan-20	-184
CTS.26.50.626	CTS_CN 04 - Corridor: Hang Fixtures & Terminate	1	03-Jan-20	03-Jan-20	-179
CTS.26.05.650	CTS_CN 11 - Storage Rm: Hang Light Fixtures & Terminate	1	03-Jan-20	03-Jan-20	-214
CTS.26.50.518	CTS_CN 13 - Concessions: Install - Conduit & Devices for Lighting	5	12-Nov-19 A	06-Jan-20	-189
CTS.26.50.532	CTS_CN 06 - Stair 6: Install - Conduit & Devices for Lighting	5	12-Nov-19 A	06-Jan-20	-169
CTS.26.50.534	CTS_CN 07 - Elevator Control Closet: Install - Elevator Controller Cabinets & Disconnects	5	31-Dec-19	06-Jan-20	-184
CTS.26.50.536	CTS_CN 23 - Stair 5: Install - Conduit & Devices for Lighting	5	06-May-19 A	06-Jan-20	-184
CTS.28.20.432	CTS_CN 01: Set & Hook up - CCTV Cameras (8 each) - Sector 2	5	07-Oct-19 A	06-Jan-20	-180
CTS.26.05.996	CTS_CN 07 - Elevator Control Closet: Hang Fixtures & Terminate	2	03-Jan-20	06-Jan-20	-165
CTS.26.05.570	CTS_CN 10 - Emerg Command Rm: Install Fixtures & Terminate	1	06-Jan-20	06-Jan-20	-184
CTS.26.05.665	CTS_CN 24 - Valve Rm: Hang Fixtures & Terminate	2	03-Jan-20	06-Jan-20	-181
CTS.26.50.660	CTS_CN 05 - Storage Rm: Hang Fixtures & Terminate	2	03-Jan-20	06-Jan-20	-180
CTS.26.50.524	CTS_CN 19 - Womens Staff Lockers: Install - Conduit & Devices for Lighting	5	12-Nov-19 A	06-Jan-20	-198
CTS.28.20.500	CTS_CN 24 - Valve Rm: Set & Hook up - CCTV Camera (1 each)	1	14-Oct-19 A	07-Jan-20	-181
CTS.26.50.514	CTS_CN 14 - Trash Rm: Install - Conduit & Devices Lighting	2	04-Nov-19 A	09-Jan-20	-213
CTS.26.50.600	CTS_CN 22 - Mens Restroom: Install - Conduit & Boxes For Lighting	5	04-Nov-19 A	09-Jan-20	-202

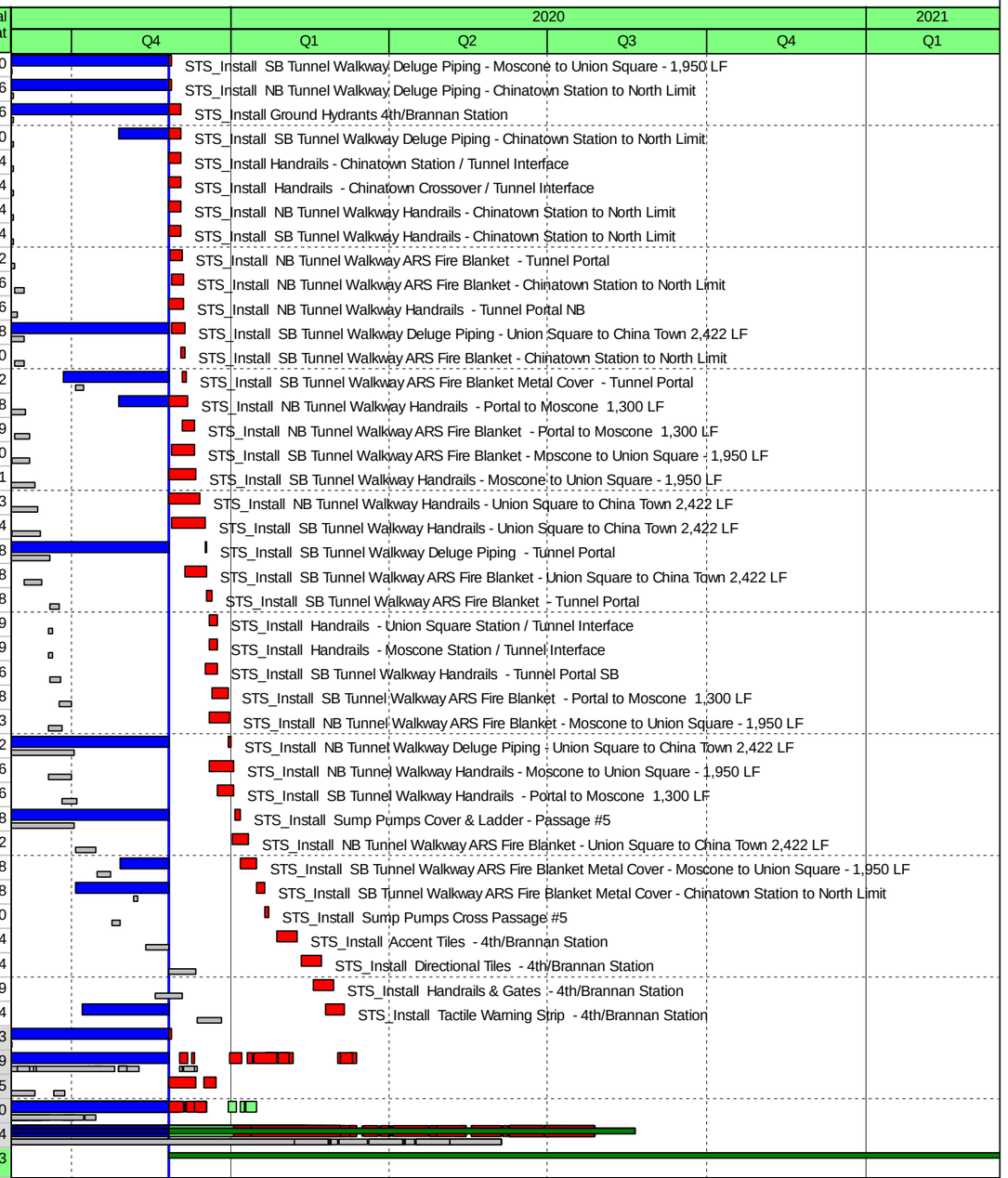


Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
CTS.26.50.598	CTS_CN 20 - Womens Restroom: Wire Pulls - Lighting	5	03-Jan-20	09-Jan-20	-213
CTS.26.50.550	CTS_CN 13 - Concessions: Install - Conduit & Devices For Power	5	08-Oct-18 A	10-Jan-20	-189
CTS.28.31.516	CTS_CN 10 - Emergency Command Rm: Set & Hook up - Fire Alarm Control Panel	4	19-Nov-19 A	10-Jan-20	-184
CTS.26.50.564	CTS_CN 06 - Stair 6: Hang Light Fixtures	4	07-Jan-20	10-Jan-20	-169
CTS.26.50.632	CTS_CN 07 - Elevator Control Closet: Pull Wire To Elevators 3 & 4.	4	07-Jan-20	10-Jan-20	-184
CTS.26.50.634	CTS_CN 23 - Stair 5: Hang Light Fixtures	4	07-Jan-20	10-Jan-20	-184
CTS.26.50.612	CTS_CN 14 - Trash Rm: Pull Wire - Lighting	1	10-Jan-20	10-Jan-20	-213
CTS.26.50.616	CTS_CN 13 - Concessions: Pull Wire - Lighting	4	07-Jan-20	10-Jan-20	-189
CTS.26.50.622	CTS_CN 19 - Womens Staff Lockers: Pull Wire For Lighting	4	07-Jan-20	10-Jan-20	-198
CTS.26.05.695	CTS_CN 03 - Ticketing Hall: Pull Wire & Set Receptacles	4	07-Jan-20	10-Jan-20	-184
CTS.26.50.602	CTS_CN 20 - Womens Restroom: Hang Light Fixtures & Terminate	2	10-Jan-20	13-Jan-20	-201
CTS.26.50.644	CTS_CN 14 - Trash Rm: Hang Light Fixtures & Terminate	2	13-Jan-20	14-Jan-20	-213
CTS.26.33.502	CTS_CN 08 - Aux Elect Rm: Install - UPS Battery Cabinets - 4 ea	5	13-Jan-20	17-Jan-20	-222
CTS.26.50.648	CTS_CN 13 - Concessions: Pull Wire - Power	5	13-Jan-20	17-Jan-20	-189
CTS.26.50.654	CTS_CN 19 - Womens Staff Lockers: Hang Light Fixtures & Terminate	5	13-Jan-20	17-Jan-20	-198
CTS.26.05.670	CTS_CN 13 - Concessions: Hang Fixtures & Terminate	5	13-Jan-20	17-Jan-20	-189
CTS.26.50.526	CTS_CN 03 - Ticketing Hall: Install - Overhead Lighting Conduit & Devices	5	15-Jan-20	21-Jan-20	-215
CTS.26.33.504	CTS_CN 08 - Aux Elect Rm: Install - UPS-2 Cabinet - 1 ea	5	20-Jan-20	24-Jan-20	-222
CTS.26.05.986	CTS_CN 13 - Concessions: Terminate Power Devices	5	20-Jan-20	24-Jan-20	-164
CTS.26.50.558	CTS_CN 03 - Ticketing Hall: - Lighting Wire Pulls	5	22-Jan-20	28-Jan-20	-215
CTS.26.50.624	CTS_CN 03 - Ticketing Hall: Pull Wire & Set Light Switches\Sensors	5	22-Jan-20	28-Jan-20	-196
CTS.26.24.524	CTS_CN 08 - Aux Elect Rm: Install - Panelboard 4P	3	27-Jan-20	29-Jan-20	-222
CTS.26.50.656	CTS_CN 03 - Ticketing Hall: Hang Light Fixtures & Terminate	5	29-Jan-20	04-Feb-20	-215
CTS.26.24.610	CTS_CN 02 - Station Agent Booth: Install - Panelboard	5	30-Jan-20	05-Feb-20	-207
CTS.26.24.620	CTS_CN 08 - Aux Elect Rm: Install - Panelboard LCP-4	5	30-Jan-20	05-Feb-20	-222
CTS.26.24.670	CTS_CN 08 - Aux Elect Rm: Terminations - Panelboard 4P - Receptacles	5	30-Jan-20	05-Feb-20	-187
CTS.26.12.506	CTS_CN 08 - Aux Elect Rm: Install - Transformer T-6	5	30-Jan-20	05-Feb-20	-212
CTS.26.05.590	CTS_CN 02 - Station Agent Booth: Install Power Conduit & Boxes	5	15-Oct-18 A	10-Feb-20	-223
CTS.26.05.526	CTS_CN 08 - Aux Elect Rm: Install - System Ground Bus	5	06-Feb-20	12-Feb-20	-212
CTS.26.24.630	CTS_CN 08 - Aux Elect Rm: Install - Panelboard 4HL	5	06-Feb-20	12-Feb-20	-222
CTS.26.24.680	CTS_CN 08 - Aux Elect Rm: Terminations - Panelboard LCP-4 - Lighting Control	5	06-Feb-20	12-Feb-20	-198
CTS.26.50.560	CTS_CN 02 - Station Agent Booth: Install - Lighting	3	11-Feb-20	13-Feb-20	-223
CTS.26.50.506	CTS_CN 08 - Aux Elect Rm: Install - Conduit & Boxes for Lighting	2	28-Oct-19 A	14-Feb-20	-212
CTS.26.50.586	CTS_CN 08 - Aux Elect Rm: Pull Wire - Lighting	1	17-Feb-20	17-Feb-20	-212
CTS.26.05.700	CTS_CN 02 - Station Agent Booth: Pull Wire - Power	5	11-Feb-20	17-Feb-20	-210
CTS.26.50.668	CTS_CN 22 - Mens Restroom: Pull Wire - Lighting	5	12-Feb-20	18-Feb-20	-225
CTS.26.24.640	CTS_CN 08 - Aux Elect Rm: Install - Panelboard E4HL	5	13-Feb-20	19-Feb-20	-222
CTS.26.24.690	CTS_CN 08 - Aux Elect Rm: Terminations - Panelboard 4HL - Public Lighting	5	13-Feb-20	19-Feb-20	-203
CTS.26.50.604	CTS_CN 08 - Aux Elect Rm: Hang Fixtures & Terminate	2	18-Feb-20	19-Feb-20	-212
CTS.26.50.658	CTS_CN 02 - Station Agent Booth: Pull Wire & Set Light Fixtures	5	14-Feb-20	20-Feb-20	-223
CTS.26.50.652	CTS_CN 16 - Break Rm: Hang Fixtures & Terminate	2	21-Feb-20	24-Feb-20	-215
CTS.26.24.700	CTS_CN 08 - Aux Elect Rm: Terminations - Panelboard E4HL - Emergency Lighting	5	20-Feb-20	26-Feb-20	-208
CTS.26.24.710	CTS_CN 08 - Aux Elect Rm: Terminations - Panelboard E4P1 - Fire Smoke Dampers,Clean Agent Pa	5	20-Feb-20	26-Feb-20	-202
CTS.26.24.712	CTS_CN 08 - Aux Elect Rm: Pull Wire - Panelboard EDHL - Power Feeders (Emerg Ltg)	5	20-Feb-20	26-Feb-20	-222
CTS.26.24.650	CTS_CN 08 - Aux Elect Rm: Install - Panelboard E4P1	5	20-Feb-20	26-Feb-20	-222
CTS.26.24.660	CTS_CN 08 - Aux Elect Rm: Install - Panelboard EDHL	5	20-Feb-20	26-Feb-20	-222
CTS.26.50.672	CTS_CN 20 - Womens Restroom: Install - Conduit & Boxes For Light Fixtures	5	28-Oct-19 A	26-Feb-20	-221
CTS.26.50.674	CTS_CN 22 - Mens Restroom: Hang Light Fixtures & Terminate	5	21-Feb-20	27-Feb-20	-227
CTS.28.31.526	CTS_CN 02 - Station Agent Booth Rm: Security & Comunications Equipment	5	14-Oct-19 A	27-Feb-20	-223
CTS.26.24.720	CTS_CN 08 - Aux Elect Rm: Terminations - Panelboard EDHL - Power Feeders	4	27-Feb-20	03-Mar-20	-222



Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
CTS.26.11.925	CTS_CN 08 - Aux Elect Rm: Energize - Panelboard EDHL	1	04-Mar-20	04-Mar-20	-222
CTS.26.11.930	CTS_CN 08 - Aux Elect Rm: Energize - Lighting Panelboards	1	05-Mar-20	05-Mar-20	-213
Platform Level		301	07-May-18 A	09-Mar-20	-187
Under Platform Level		61	28-Oct-19 A	24-Jan-20	-194
Electrical - Transportation		81	07-Oct-19 A	06-Feb-20	-211
Architectual Finishes		276	25-Feb-19 A	15-Apr-20	-197
Conveyances		128	31-May-19 A	12-Mar-20	179
Startup & Testing		30	02-Apr-20	13-May-20	-227
No 13-Disp		1725	22-Apr-14 A	21-Aug-20	63
Construction YBM Station P-1255		1638	10-Jul-14 A	20-Aug-20	64
Preconstruction		15	27-Aug-18 A	18-Dec-19	-123
Concrete/Shotcrete		537	12-Dec-17 A	07-Feb-20	-174
Electrical		245	04-Mar-19 A	10-Feb-20	-207
Concourse Level		20	14-Jan-20	10-Feb-20	-200
YBM.26.24.0230	YBM_CN320 - Energize - Aux Electric Room Panels	1	14-Jan-20	14-Jan-20	-181
YBM.26.24.1530	YBM_CN_302 -Station Agent Booth: Install - Elect Panel E2P2 (Booth,TVM's,Fare Gates)	2	07-Feb-20	10-Feb-20	-200
Mezzanine Level		209	04-Mar-19 A	27-Jan-20	-190
YBM.26.24.1280	YBM_MZ 301 - Aux Elect Rm: Terminations - Elect Panel LCP3	2	11-Mar-19 A	27-Nov-19	-151
YBM.26.24.1260	YBM_MZ 301 - Aux Elect Rm: Terminations - Elect Panel E3P	5	04-Mar-19 A	05-Dec-19	-155
YBM.26.24.0380	YBM_MZ 301 - Aux Elect Rm: Energize Panels	1	18-Jul-19 A	11-Dec-19	-158
YBM.26.24.1610	YBM_MZ 306 -Staging Rm: Energize - 4.16kv MCC-TV	10	04-Nov-19 A	27-Jan-20	-206
Platform Level		62	28-Oct-19 A	21-Jan-20	-193
YBM.26.24.1180	YBM_PL 106 - Aux Elect Rm: Terminations - Panelboard LCP-1N (Lighting Control)	3	28-Oct-19 A	02-Dec-19	-152
YBM.26.24.1430	YBM_PL 207 - Aux Elect Rm: Terminations - Panelboard LCP-1S	3	19-Dec-19	23-Dec-19	-167
YBM.34.22.0320	YBM_PL 001_Terminate NB Cable Positive Feeder Box PS05 (From PB-02)	2	01-Jan-20	02-Jan-20	-191
YBM.34.22.0300	YBM_PL 001_Terminate SB Cable - Positive Feeder Box PS06 (From PB-01)	2	03-Jan-20	06-Jan-20	-193
YBM.34.22.0280	YBM_PL 001_Terminate SB Cable - Positive Feeder Box PS02 to PS06	2	07-Jan-20	08-Jan-20	-195
YBM.34.22.0310	YBM_PL 001_Terminate NB Cable - Positive Feeder Box PS01 (From PB-02)	2	09-Jan-20	10-Jan-20	-197
YBM.34.22.0290	YBM_PL 001_Terminate NB Cable - Positive Feeder Box PS01 to PS04	2	13-Jan-20	14-Jan-20	-199
YBM.26.24.1570	YBM_PL 106 - Energize Aux Elect Rm Panelboards	1	14-Jan-20	14-Jan-20	-181
YBM.26.11.0961	YBM_PL 207 - Aux Elect Rm: Energize Panelboards	1	14-Jan-20	14-Jan-20	-181
YBM.34.22.0250	YBM_PL 001_Termimate SB Cable - Positive Feeder Box PS03 (From PB-01)	2	20-Jan-20	21-Jan-20	-204
Under Platform Level		45	12-Nov-19 A	30-Jan-20	-193
YBM.34.22.0350	YBM_UP_Install: Elect: Pull Negative Feeder Cable, Coil & Protect(Traction Power)	3	26-Nov-19	02-Dec-19	-174
YBM.26.11.1090	YBM_IV301 - Main Elect Rm: Energize Main Substation SG1 & SG2	5	12-Nov-19 A	13-Jan-20	-206
YBM.26.11.1100	YBM_IV301 - Main Elect Rm: Energize Substation DS1 & DS2	5	19-Nov-19 A	13-Jan-20	-190
YBM.26.11.1160	YBM_IV301 - Main Elect Rm: Energize 5Kv Switchgear	5	19-Nov-19 A	13-Jan-20	-206
YBM.26.24.1630	YBM_IV 301 -Main Electrical Rm: Energize - Panelboards	5	14-Jan-20	20-Jan-20	-185
YBM.34.21.1215	YBM_IV 302 - Traction Power Rm: Energize A/C TPSS Equipment	5	17-Jan-20	23-Jan-20	-206
YBM.34.21.1225	YBM_IV 302 - Traction Power Rm: Energize DC TPSS Equipment	5	24-Jan-20	30-Jan-20	-206
Electrical - Transportation		181	28-May-19 A	22-Jan-20	-194
Conveyances		322	20-Aug-18 A	17-Feb-20	-205
Startup & Testing		40	27-Feb-20	22-Apr-20	-212
No 13-Disp		1619	10-Jul-14 A	20-Aug-20	64
Construction STS P-1256		1707	13-Jan-14 A	20-Aug-20	64
Preconstruction		15	27-Aug-18 A	13-Dec-19	-120
Concrete/Shotcrete		5	27-Nov-19	05-Dec-19	-159
Tunnel Concrete		431	22-Jan-18 A	06-Mar-20	-194
Platform Level		431	22-Jan-18 A	06-Mar-20	-194
STS.21.12.410	STS_Install NB Tunnel Walkway Deluge Piping - Tunnel Portal	3	27-May-19 A	26-Nov-19	-182
STS.03.30.137S	STS_F/R/P SB Tunnel Walkway 2nd Lift & Wire Duct Union Square to China Town 2,422 LF	10	07-May-19 A	26-Nov-19	-183

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
STS.21.12.330	STS_Install SB Tunnel Walkway Deluge Piping - Moscone to Union Square - 1,950 LF	7	02-Aug-18 A	27-Nov-19	-180
STS.21.12.400	STS_Install NB Tunnel Walkway Deluge Piping - Chinatown Station to North Limit	3	26-Aug-19 A	27-Nov-19	-166
STS.22.15.530	STS_Install Ground Hydrants 4th/Brannan Station	3	22-Jan-18 A	02-Dec-19	-126
STS.21.12.350	STS_Install SB Tunnel Walkway Deluge Piping - Chinatown Station to North Limit	3	28-Oct-19 A	02-Dec-19	-170
STS.05.52.180	STS_Install Handrails - Chinatown Station / Tunnel Interface	3	26-Nov-19	02-Dec-19	-164
STS.05.52.190	STS_Install Handrails - Chinatown Crossover / Tunnel Interface	3	26-Nov-19	02-Dec-19	-164
STS.05.52.0130	STS_Install NB Tunnel Walkway Handrails - Chinatown Station to North Limit	3	26-Nov-19	02-Dec-19	-164
STS.05.52.0170	STS_Install SB Tunnel Walkway Handrails - Chinatown Station to North Limit	3	26-Nov-19	02-Dec-19	-164
STS.07.80.0220	STS_Install NB Tunnel Walkway ARS Fire Blanket - Tunnel Portal	3	26-Nov-19	03-Dec-19	-182
STS.07.80.0210	STS_Install NB Tunnel Walkway ARS Fire Blanket - Chinatown Station to North Limit	3	27-Nov-19	04-Dec-19	-166
STS.05.52.0135	STS_Install NB Tunnel Walkway Handrails - Tunnel Portal NB	5	26-Nov-19	04-Dec-19	-166
STS.21.12.320	STS_Install SB Tunnel Walkway Deluge Piping - Union Square to China Town 2,422 LF	8	30-Jul-19 A	05-Dec-19	-178
STS.07.80.0260	STS_Install SB Tunnel Walkway ARS Fire Blanket - Chinatown Station to North Limit	3	03-Dec-19	05-Dec-19	-170
STS.22.16.590	STS_Install SB Tunnel Walkway ARS Fire Blanket Metal Cover - Tunnel Portal	3	26-Sep-19 A	06-Dec-19	-182
STS.05.52.0120	STS_Install NB Tunnel Walkway Handrails - Portal to Moscone 1,300 LF	7	28-Oct-19 A	06-Dec-19	-168
STS.07.80.0200	STS_Install NB Tunnel Walkway ARS Fire Blanket - Portal to Moscone 1,300 LF	5	03-Dec-19	10-Dec-19	-169
STS.07.80.0240	STS_Install SB Tunnel Walkway ARS Fire Blanket - Moscone to Union Square - 1,950 LF	7	27-Nov-19	10-Dec-19	-180
STS.05.52.0150	STS_Install SB Tunnel Walkway Handrails - Moscone to Union Square - 1,950 LF	10	26-Nov-19	11-Dec-19	-171
STS.05.52.0100	STS_Install NB Tunnel Walkway Handrails - Union Square to China Town 2,422 LF	12	26-Nov-19	13-Dec-19	-173
STS.05.52.0140	STS_Install SB Tunnel Walkway Handrails - Union Square to China Town 2,422 LF	12	27-Nov-19	16-Dec-19	-174
STS.21.12.360	STS_Install SB Tunnel Walkway Deluge Piping - Tunnel Portal	3	26-Apr-18 A	17-Dec-19	-198
STS.07.80.0230	STS_Install SB Tunnel Walkway ARS Fire Blanket - Union Square to China Town 2,422 LF	8	05-Dec-19	17-Dec-19	-178
STS.07.80.0270	STS_Install SB Tunnel Walkway ARS Fire Blanket - Tunnel Portal	3	17-Dec-19	20-Dec-19	-198
STS.05.52.200	STS_Install Handrails - Union Square Station / Tunnel Interface	3	19-Dec-19	23-Dec-19	-179
STS.05.52.210	STS_Install Handrails - Moscone Station / Tunnel Interface	3	19-Dec-19	23-Dec-19	-179
STS.05.52.0180	STS_Install SB Tunnel Walkway Handrails - Tunnel Portal SB	5	17-Dec-19	23-Dec-19	-186
STS.07.80.0250	STS_Install SB Tunnel Walkway ARS Fire Blanket - Portal to Moscone 1,300 LF	5	20-Dec-19	30-Dec-19	-198
STS.07.80.0190	STS_Install NB Tunnel Walkway ARS Fire Blanket - Moscone to Union Square - 1,950 LF	7	19-Dec-19	30-Dec-19	-183
STS.21.12.370	STS_Install NB Tunnel Walkway Deluge Piping - Union Square to China Town 2,422 LF	8	26-Apr-19 A	31-Dec-19	-192
STS.05.52.0110	STS_Install NB Tunnel Walkway Handrails - Moscone to Union Square - 1,950 LF	10	19-Dec-19	02-Jan-20	-186
STS.05.52.0160	STS_Install SB Tunnel Walkway Handrails - Portal to Moscone 1,300 LF	7	24-Dec-19	02-Jan-20	-186
STS.05.50.530	STS_Install Sump Pumps Cover & Ladder - Passage #5	3	17-Jul-18 A	06-Jan-20	-188
STS.07.80.0180	STS_Install NB Tunnel Walkway ARS Fire Blanket - Union Square to China Town 2,422 LF	8	01-Jan-20	10-Jan-20	-192
STS.22.16.580	STS_Install SB Tunnel Walkway ARS Fire Blanket Metal Cover - Moscone to Union Square - 1,950 L	7	29-Oct-19 A	15-Jan-20	-198
STS.22.16.610	STS_Install SB Tunnel Walkway ARS Fire Blanket Metal Cover - Chinatown Station to North Limit	3	03-Oct-19 A	20-Jan-20	-198
STS.22.14.520	STS_Install Sump Pumps Cross Passage #5	3	20-Jan-20	22-Jan-20	-200
STS.09.30.230	STS_Install Accent Tiles - 4th/Brannan Station	10	27-Jan-20	07-Feb-20	-194
STS.09.30.250	STS_Install Directional Tiles - 4th/Brannan Station	10	10-Feb-20	21-Feb-20	-194
STS.05.52.220	STS_Install Handrails & Gates - 4th/Brannan Station	10	17-Feb-20	28-Feb-20	-189
STS.09.62.240	STS_Install Tactile Warning Strip - 4th/Brannan Station	10	07-Oct-19 A	06-Mar-20	-194
Structural Steel		15	03-Sep-18 A	27-Nov-19	-193
Electrical		129	12-Aug-19 A	13-Mar-20	-199
Electrical - Transportation		20	26-Nov-19	23-Dec-19	-195
Trackwork		577	18-Aug-17 A	15-Jan-20	220
No 13-Disp		1707	13-Jan-14 A	20-Aug-20	64
Unallocated Contingency		419	26-Nov-19	29-Jul-21	-293



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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%

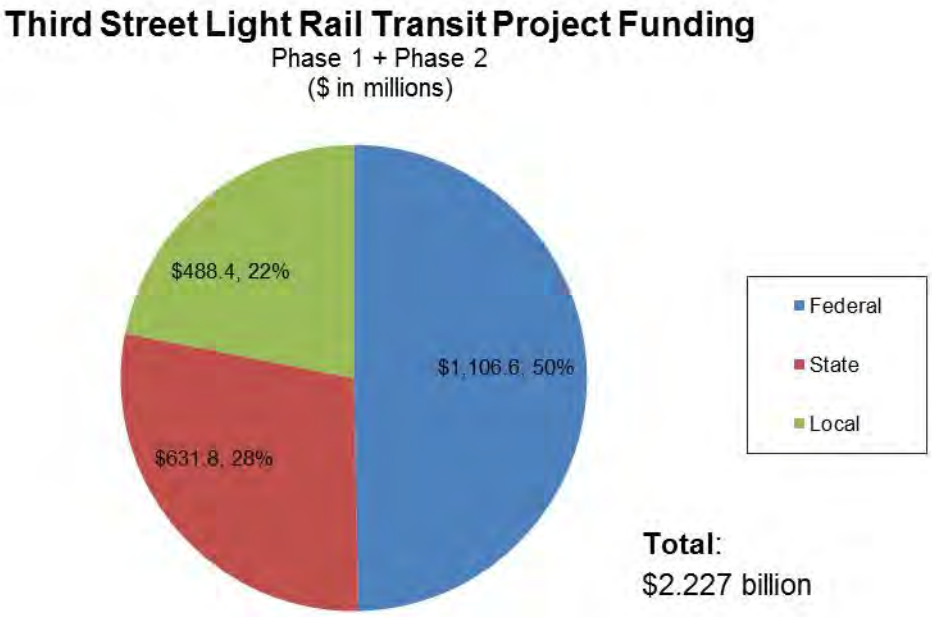
All amounts in millions of dollars

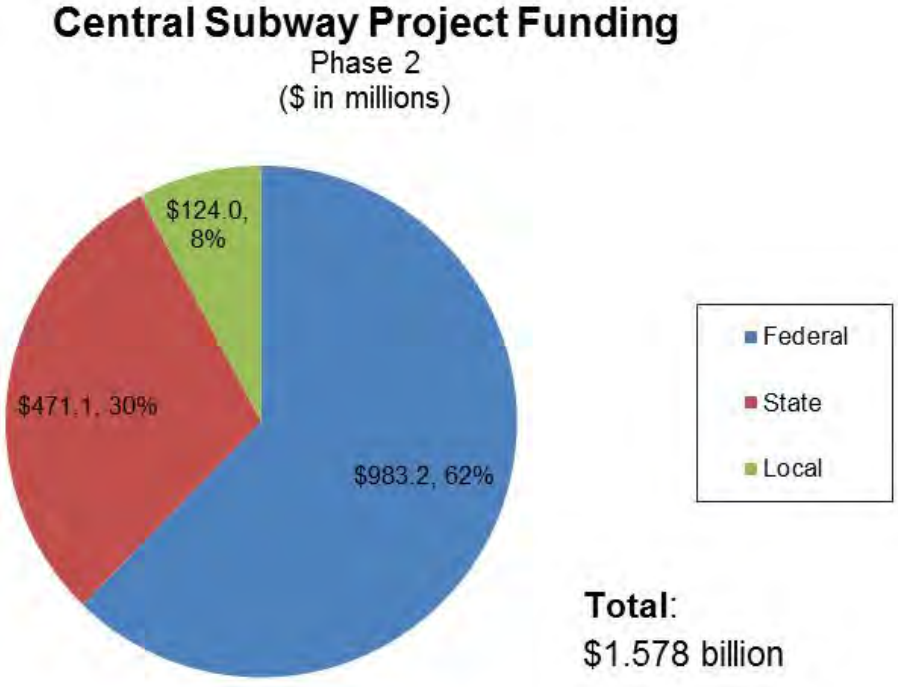
The six charts that follow summarize use of fund sources by phase and with the addition of the retrieval shaft relocation additional budget and funding:

- 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.

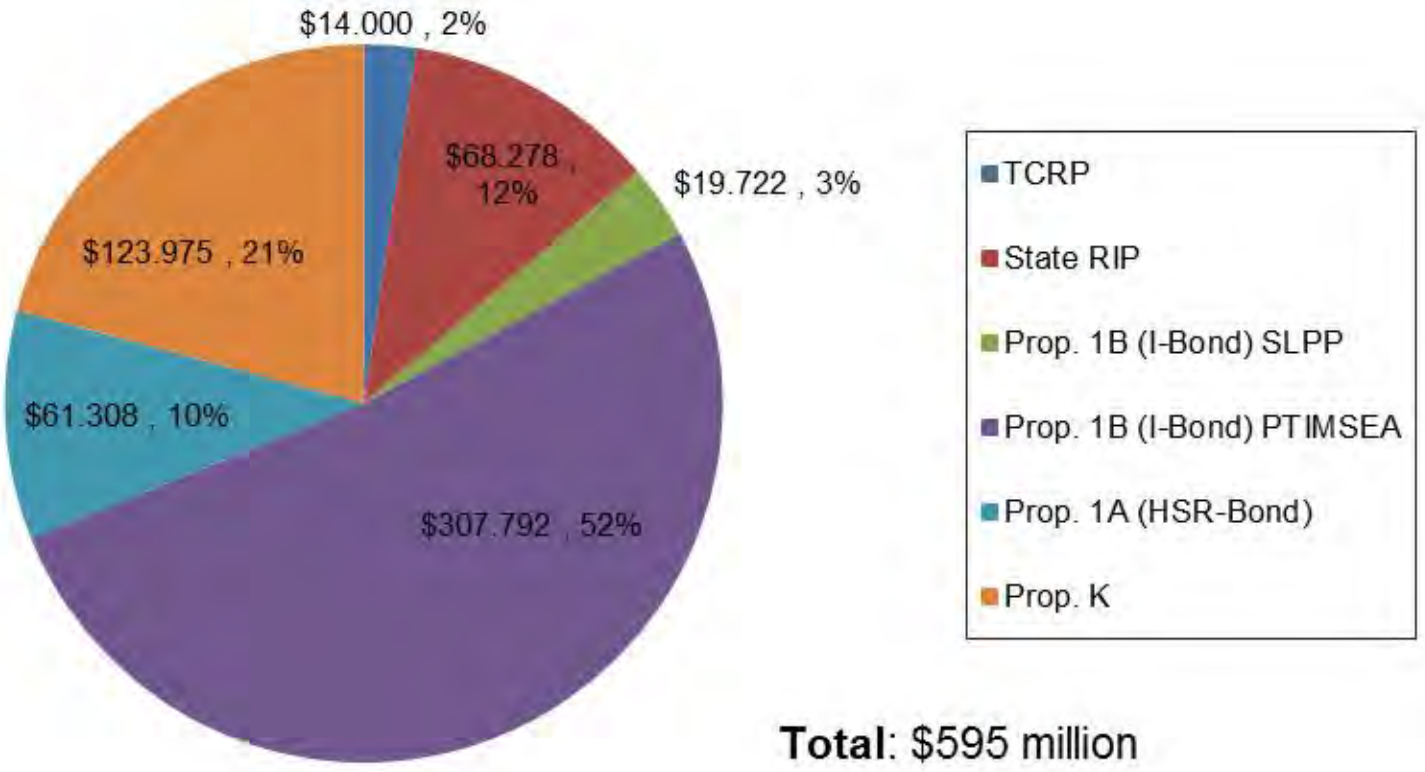




State and Local Funding

Phase 2

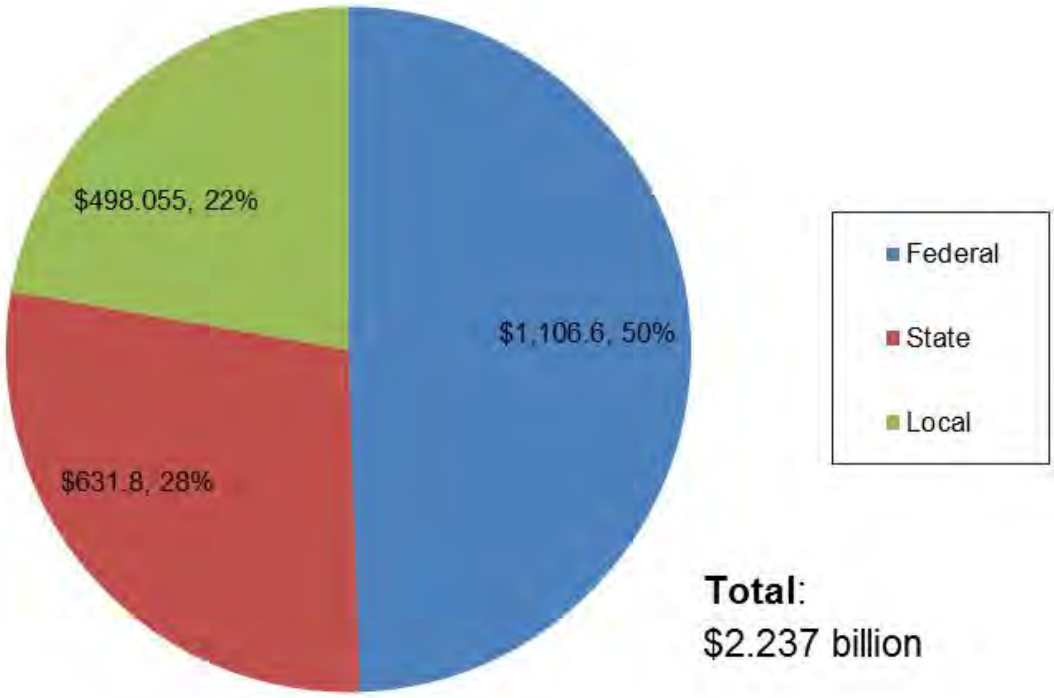
($ in millions)



Total: $595 million

Third Street Light Rail Transit Project Funding

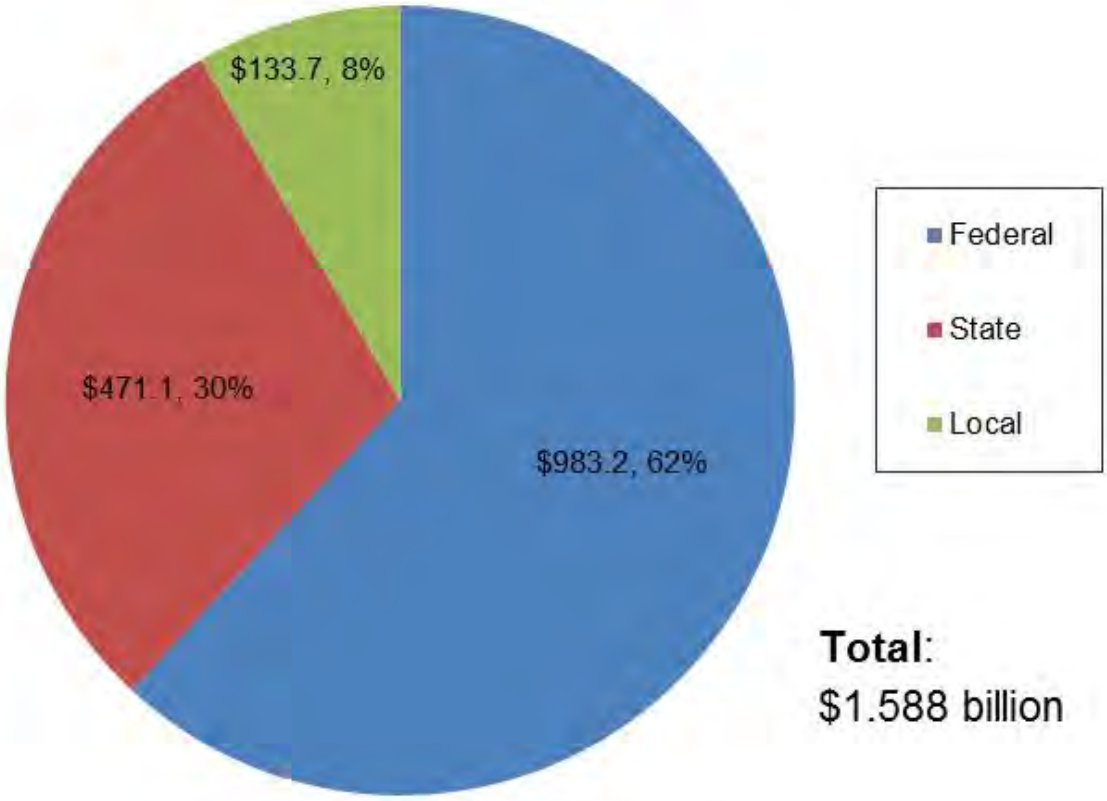
Phase 1 + Phase 2 + Retrieval Shaft Relocation
($ in millions)



Total:
$2.237 billion

Central Subway Project Funding

Phase 2 + Retrieval Shaft Relocation
($ in millions)

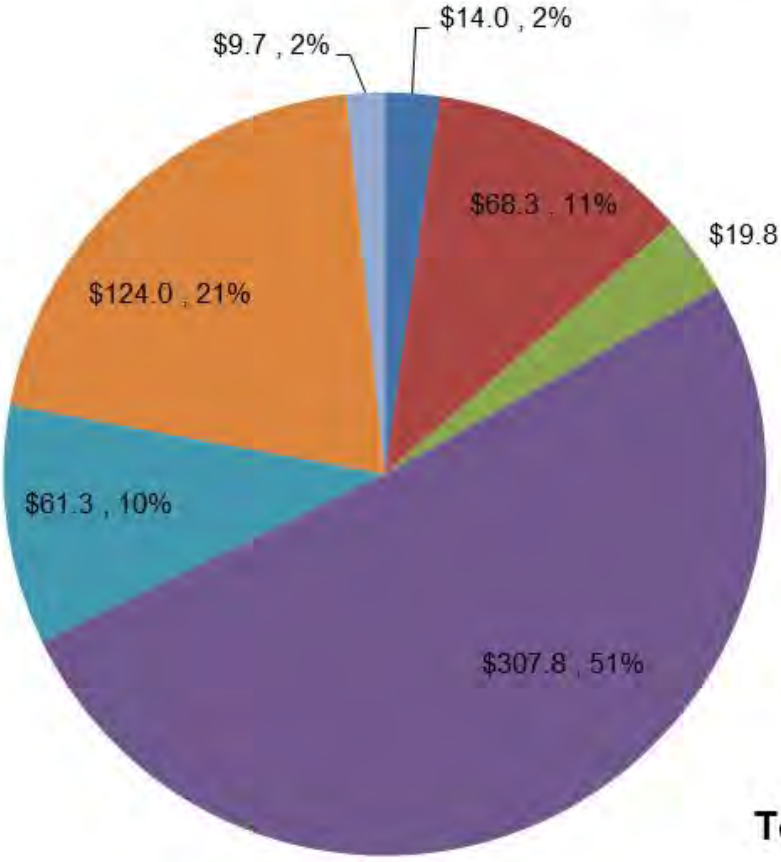


Total:
$1.588 billion

State and Local Funding

Phase 2 + Retrieval Shaft Relocation

($ in millions)



Total: $604.8 million

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Appendix D

COMPLETED CONTRACTS

Moscone Station and Portal Utility Relocation

Contract 1250

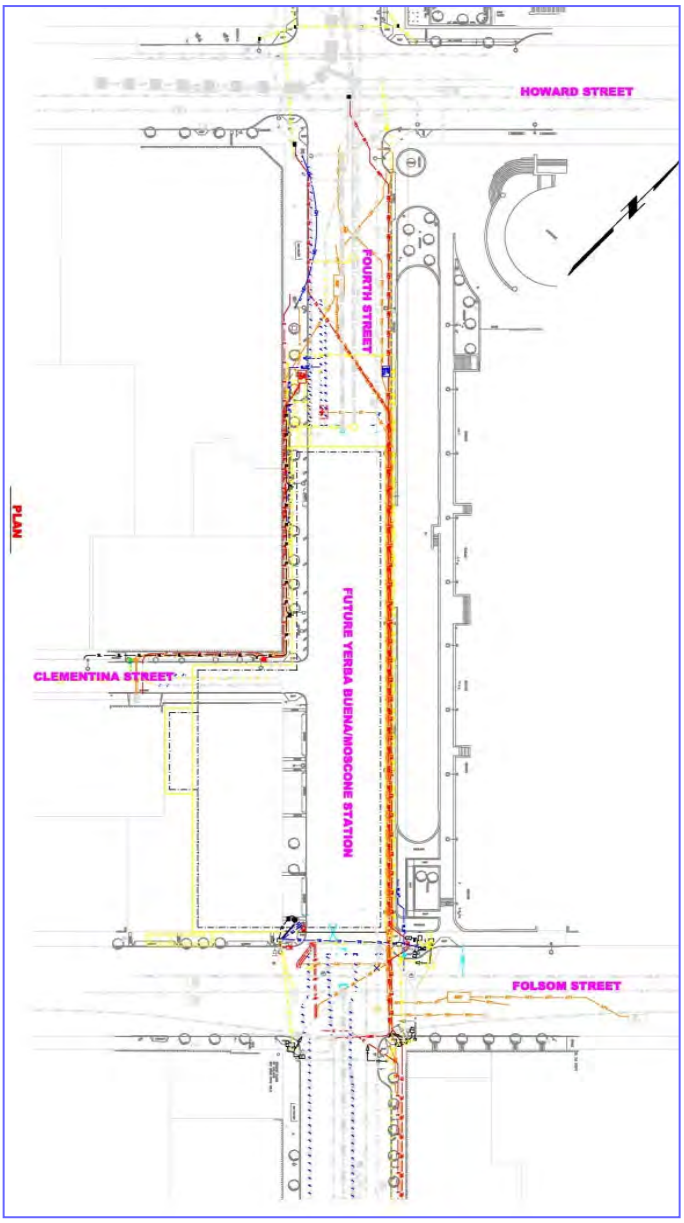
Contractor: Synergy Project Management, Inc.

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)**

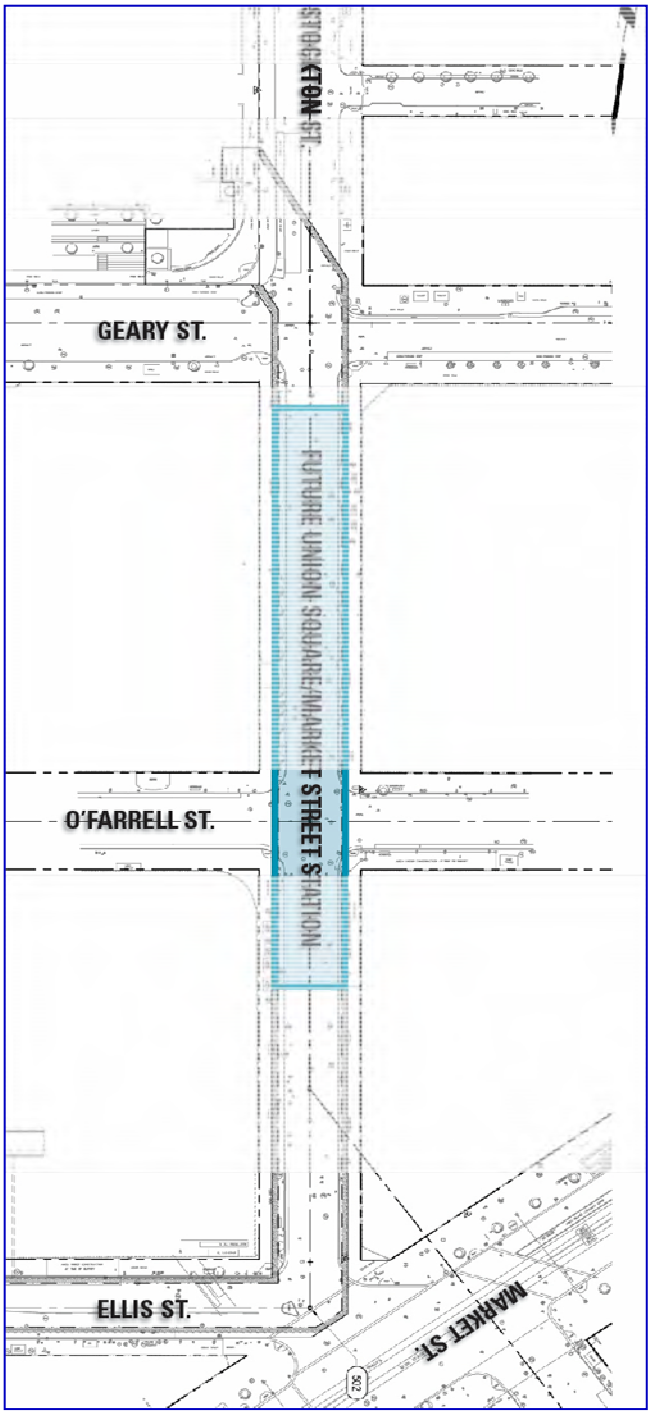
Contract Details	
Contract Awarded:	December 7, 2010
Notice to Proceed:	January 12, 2011
Substantial Completion:	August 16, 2012
Contract Award Value:	$16,832,550
Modifications Final:	$3,836,531
Final Contract Value:	$20,669,081

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**

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Appendix E

SBE PARTICIPATION

Quarterly Report

Current Report: July 2019 – September 2019

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PROGRAM SUPPORT CONTRACTS – SBE PARTICIPATION

Appendix E presents the Central Subway Program Small Business Enterprise or SBE goals and the actual SBE participation achieved to date – as of September 30, 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 #70, September 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.

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Active Professional Services Contracts - SBE Participation Details

As of: 9/30/2019

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.)	85,749,939
	% Expended	87.8%
	SBE SFMTA Goal	30.0%
	SBE Participation	32.4%

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.)	$43,696,867
	% Expended	91.2%
	SBE SFMTA Goal	30.0%
	SBE Participation	31.6%

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.)	15,989,965
	% Expended	92.8%
	SBE SFMTA Goal	30.0%
	SBE Participation	25.3%

* denotes accrual

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Active and Completed Construction Contracts - SBE Participation Details

	Data as of:	9/30/2019
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	$39,244,142
	Current Contract Value	$878,920,542
	Expended to Date (est.)	$777,155,930
	% Expended	88.4%
	SBE SFMTA Goal	20.0%
	SBE Participation To Date	21.6%

Photos on the next page:

(top to bottom) September 2019: At Chinatown Station, rebar and utility conduits can be seen being installed as part of construction to build the last section of the platform. Mechanical elements of escalators at south end of the Union Square Market Street Station are being installed. At Yerba Buena/Moscone station, steel has been added indicating the shape of the eventual roof for the station entrance and plaza at 4th Street and Clementina Alley. Sections of alternating red and dark gray tinted topping slabs have been poured along the surface alignment between Bluxome and Bryant at Surface, Track, and Systems.

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