

central subway

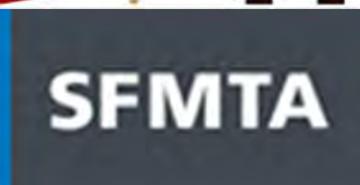
Chinatown Rises Above

Large portions of the street-level entrance for Chinatown-Rose Pak Station have begun to take shape



Progress Report

January 2020



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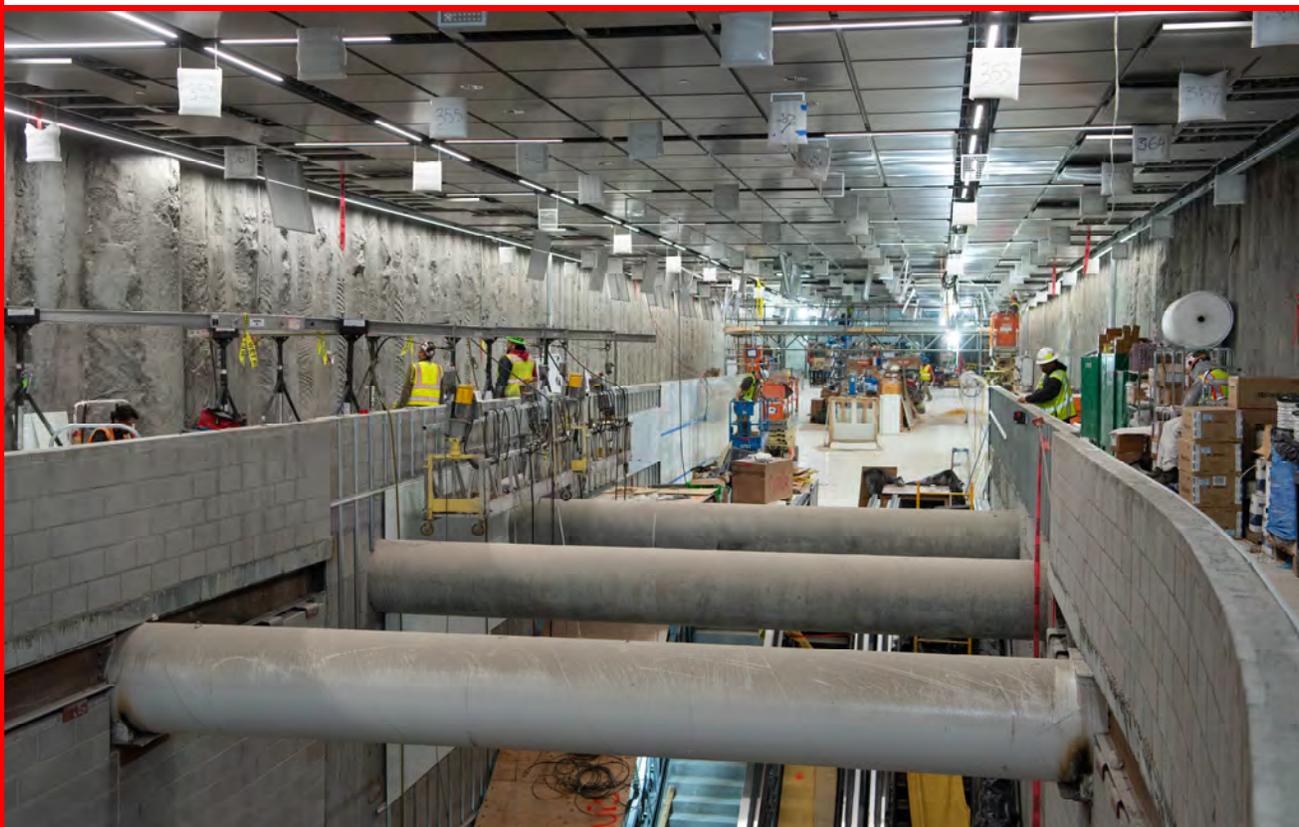
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Cover photo: New sections of concrete forms are going up to continue building the street level entrance structure for Chinatown Station. Foundations and walls for future roof plaza stairs, utility rooms, and other street level structural elements can be seen coming together piece by piece. More photos can be found starting on page 37.

Above photo: A future ceiling-mounted LED light panel array and stainless steel ceiling panels can be seen looking south inside the south concourse for Union Square/Market Street Station. Large steel struts span across the stairs and escalators leading to and from the station platform far below.

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



Workers install plastic wrap and masking atop the Yerba Buena/Moscone Station headhouse entrance structure, currently under construction.

Executive Summary

Chinatown Station - Continued installing Stair 5. Completed electrical switchgear installation on the concrete pads and HVAC at Headhouse Platform level. Completed emergency ventilation fan installation at Headhouse Under Platform level. Completed GFRC panels at South Platform Caverns. Completed shotcrete for slurry walls, installing drain mat and waterproofing for Lower Mezzanine and Upper Mezzanine levels at Headhouse. Continued installing Escalator 1 & 2 at North Platform Cavern. Continued construction of PCC 50 Chinatown Plaza walls and stairs. 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 installation of precast architectural concrete elements for USG terrace level. Continued installation of USG Roof level exhaust vent

Yerba Buena/Moscone Station - Continued installing Escalators 3 and 4. Continued installing Elevators 1 through 4. began painting skylight and installation at Headhouse roof. Installed seismic supports and emergency ventilation controls at Station Mezzanine. Continued installing ceiling and lights in Station Concourse. Finish installing doors at Headhouse Invert.

Surface, Track and Systems– Continued traction power conduit and other electrical conduit installation inside tunnel. Continued tunnel lighting installation. Completed tunnel cross passages slab construction. Continued 4th/Brannan platform construction. Started OCS installation on 4th Street and Brannan Street.

Total project costs to date are \$1,488.51 million, an increase of \$23.41 million over last month. The total cost to date equals 94.3% of the total project budget of \$1.578 billion. The program continues to show a forecast Revenue Service Date of Summer 2021.

The Stations Contractors' Safety Reports should show any accidents that may occur during the current month. The rates of work site accident incidents by the man hours worked continue to be below industry standards - see tables on page 33.

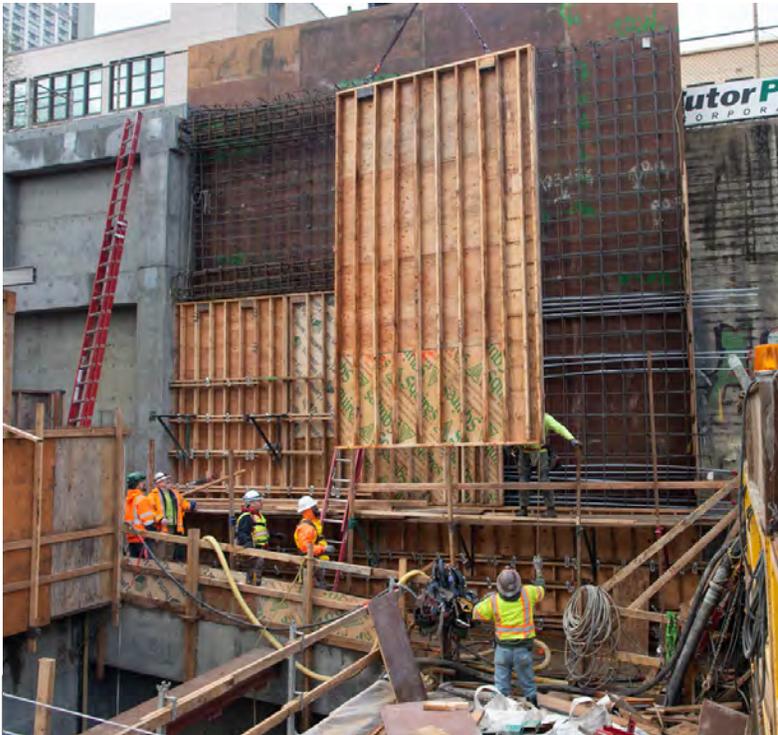
Key Milestones

Major Street-Level Elements at Chinatown-Rose Pak Station are Built



Workers add safety fences and other elements to keep the worksite safe during construction.

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



Rebar cages are built and concrete forms are constructed and placed.



Reinforced concrete walls and foundation walls rise from the street-level surface slab at the future Chinatown Rose-Pak Station entrance.

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. The Program intends to report a revised EAC to the SFMTA Board in an April meeting. When approved by the Board, the Program will adjust the overall Program budget and contingency.

Total net incurred costs for the project are \$1,488.51 million, a \$23.41 million increase over last month. The cost to date figure reflects expenditures through FAMIS 786 Report (\$1,436.60 million) plus the utilities joint trench Form B Reimbursement payment (\$12.51 million), invoices currently being processed (\$35.16 million) and estimates of outstanding pay requests (\$4.27 million). This incurred amount equals 94.3% 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 January 2020 Report, the Preliminary Earned Value Analysis reports is based on the SFMTA January Schedule Update. The Planned Value, Earned Value, Actual Cost, Percent Complete and resulting indexes as follows:

Preliminary January Earned Value

Overall Budgeted Cost:	\$1,578,300,000
Planned Value:	\$1,587,262,876
Earned Value:	\$1,453,173,755
Actual Cost:	\$1,488,511,153
Schedule Performance Index (SPI):	0.92
Cost Performance Index (CPI):	0.98
Percent Complete:	91.2%

*January 2020 Notice: The City continues to experience problems that were caused by error and inaccuracy from the transition from FAMIS to Financial System Project (FSP). An updated methodology has been implemented within the financial reporting that will provide more accurate figures for transactions occurring in fiscal year 2020.

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

Schedule Highlights

The Master Project Schedule (MPS) below includes progress through January 2020. The January 2020 Schedule Update submittal from Contract 1300 Contractor was not submitted as the CN1300 Contractor has not provided the updated corrections to their June 2017 through July 2018 Schedule Updates. The Contract 1300 schedule represented in this report is based on the SFMTA January 2020 Schedule Update.

The MPS shows a forecast Revenue Service Date of Summer 2021, shifting from 26 July 2021 to 08 September 2021 based on a revised assessment of the overall schedule and the current project conditions.

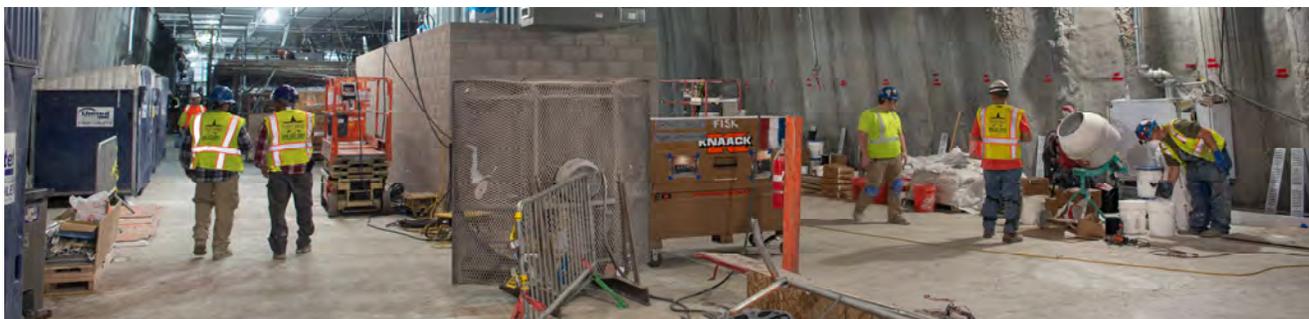
The delays are caused by TPC's electrical work in the tunnel impacted by lack of resources and other contract modifications related to Radio and Train Control Systems. TPC and SFTMA are working to reach scope and cost agreements for these contract modifications as TPC refuses to commence work without an approved Contract Modification. The controlling critical (longest) path of the MPS runs through the electrical activities within the tunnel which are impacting the TPC's Startup and Testing and subsequently the rail activation process. The latest schedule shows the longest path running through the Surface, Tracks and Systems (STS).

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

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

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

The Contractor, Tutor Perini Corporation's (TPC) baseline schedule is incorporated into the master program schedule. The preliminary SFMTA Contract 1300 January 2020 schedule is used within the November Report. The SFMTA Contract 1300 January 2020 schedule is based on the approved baseline schedule logic with adjustments made as mentioned above. The SFMTA will continue to use the SFMTA Contract 1300 schedule update as a forecasting tool going forward until the Contract 1300 Contractor submits an acceptable schedule that addresses all of SFMTA scheduling concerns.



Utilities, initial terrazzo floor layering, and stainless steel ceiling panels continue to be installed inside the Union Square/Market Street concourse level, working from south to north.

Schedule Highlights - Continued

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

- Continued installing Stair 5
- Completed electrical switchgear installation on the concrete pads and HVAC ductwork installation at Headhouse Platform level
- Continue installing overhead conduit at Main Electrical and Traction Power rooms at Headhouse Platform level
- Completed Emergency Ventilation fan installation at Headhouse Under Platform level
- Continued CMU wall curb installation on the Headhouse Upper mezzanine level
- Completed shotcrete for slurry walls, installing drain mat and waterproofing for Lower Mezzanine, and Upper Mezzanine levels at Headhouse
- Completed installing GFRC panels at South Platform Caverns
- Began installing GFRC panels at North Platform Caverns
- Continued installing Escalator 1 & 2 at North Platform Cavern
- Began installing Escalator 3 & 4 at Headhouse Concourse level
- Began installing Traction Power Equipment at Platform level
- Begin Arch closure composite wall and GFRC panel installation at Concourse level
- Continued construction of PCC 50 Chinatown Plaza walls and stairs
- 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 installation of precast architectural concrete elements for USG terrace level. Continued installation of USG Roof level exhaust vent

Schedule Highlights - Continued

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

- Continued installing Escalators 3 and 4
- Continued installing Elevators 1 through 4
- Began installing door frames at Headhouse Surface
- Began painting skylight and installing installation at Headhouse Roof
- Installed seismic supports and emergency ventilation controls at Station Mezzanine
- Began installing artwork at Headhouse Concourse
- Continued installing terrazzo finish in Headhouse Concourse
- Continued installing ceiling and lights in Station Concourse
- Finish installing doors at Headhouse Invert

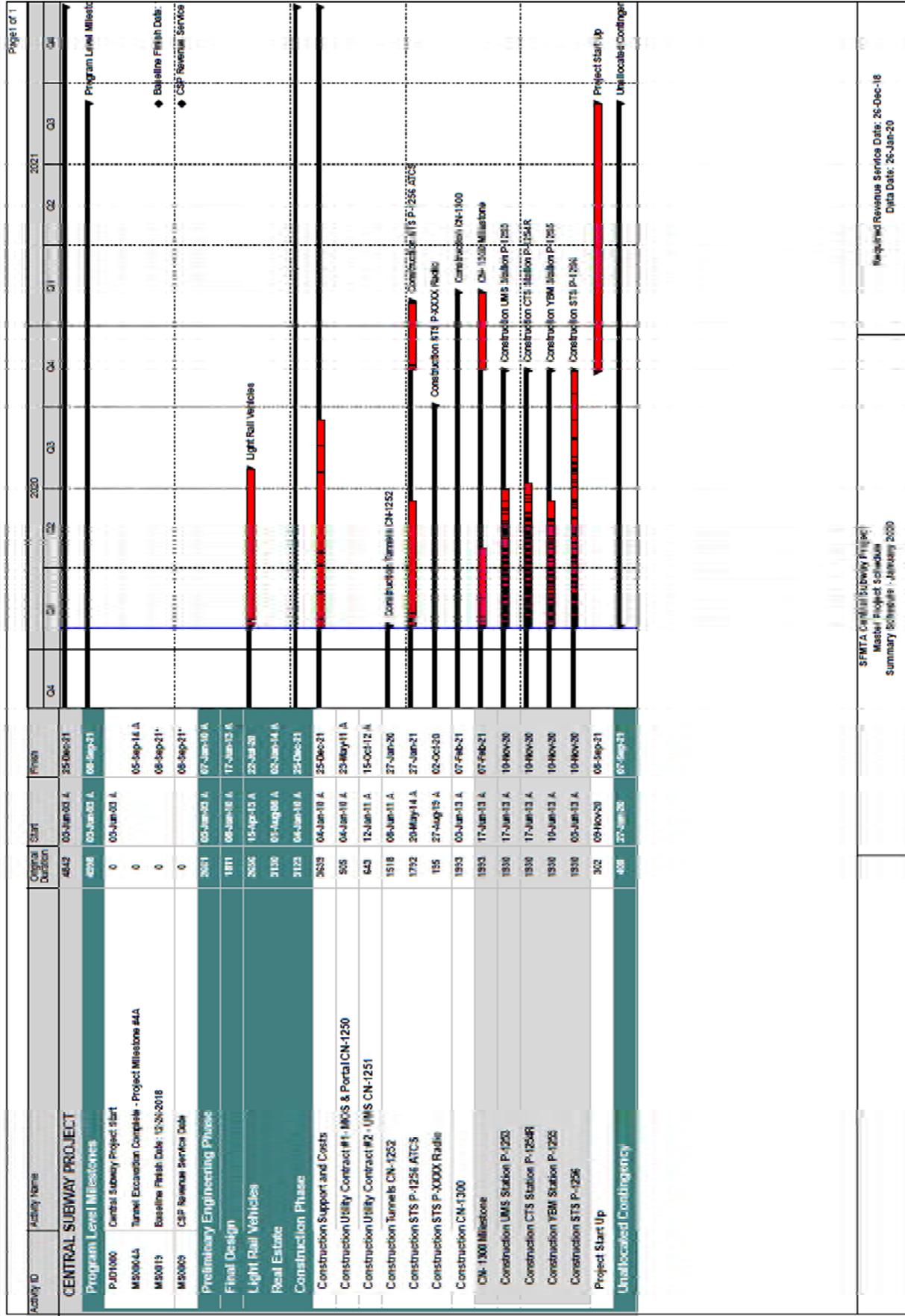
Work Package P-1256 (STS) has performed the following work this month:

- Continued traction power conduit and other electrical conduit installation inside tunnel
- Continued tunnel lighting installation
- Completed tunnel cross passages slab construction
- Continued 4th/Brannan platform construction
- Started pulling traction power feeder cables on surface
- Started OCS installation on 4th Street and Brannan Street



A large round seating area begins to take shape just north of the south escalators leading to the Union Square/Market Street Station platform level.

Master Project Schedule





A backhoe operator removes old cribbing used atop the north end of the Chinatown Station surface worksite.

Contracts & Construction

Construction Contracts In Progress

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

- Contractor: Tutor - Perini Corporation
- Amount: \$888.28 million
- Contract Status: 93.21% complete construction

Contracts Completed

[See Appendix D](#)

Contract 1250: Moscone Station and Portal Utilities Relocation

Contract 1251: Union Square/Market Street Station Utility Relocation

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

Contract 1252: Central Subway Tunneling

Contract SBE Participation (Updated Quarterly) [See Appendix E](#)

Stations, Surface, Track and Systems

Contract 1300 Contractor: Tutor-Perini Corporation

Description of Work

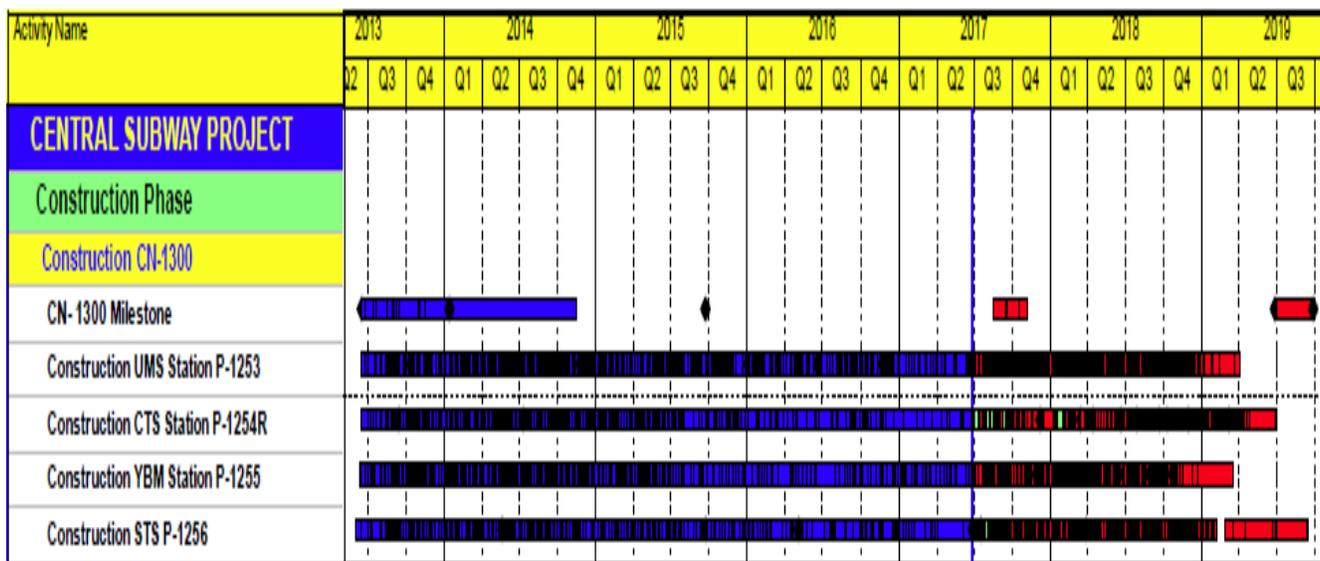
The Contract 1300 scope is to construct the Central Subway's three subway stations, one surface station, construct the 2,000 feet of surface track, and install track and operating systems throughout the new alignment. The separate station and systems work packages are presented in the following pages.

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

Contract Details	
Contract Awarded:	May 21, 2013
Notice to Proceed:	June 17, 2013
Substantial Completion:	June 29, 2020
Contract Award Value:	\$839,676,400
Modifications to Date (\$):	\$48,604,326
Modifications to Date (Days):	870
Current Contract Value:	\$888,280,726

Budget/Expenditures▲	
Current Budget	\$861,639,691
Other Project Offset Credits	\$7,328,285
Expenditures to Date	\$820,609,378

1300 Summary Schedule



Chinatown Station

Contract 1300 - Work Package 1254R

Description of Work

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



Current Work Status

- Continued installing Stair 5
- Completed electrical switchgear installation on the concrete pads and HVAC ductwork installation at Headhouse Platform level
- Continue installing overhead conduit at Main Electrical and Traction Power rooms at Headhouse Platform level
- Completed Emergency Ventilation fan installation at Headhouse Under Platform level
- Continued CMU wall curb installation on the Headhouse Upper mezzanine level
- Completed shotcrete for slurry walls, installing drain mat and waterproofing for Lower Mezzanine, and Upper Mezzanine levels at Headhouse
- Completed installing GFRC panels at South Platform Caverns
- Began installing GFRC panels at North Platform Caverns
- Continued installing Escalator 1 & 2 at North Platform Cavern
- Began installing Escalator 3 & 4 at Headhouse Concourse level
- Began installing Traction Power Equipment at Platform level

- Begin Arch closure composite wall and GFRC panel installation at Concourse level
- Continued construction of PCC 50 Chinatown Plaza walls and stairs
- Continued street work (minor), ongoing monitoring and surveying

Work Expected Next Month

- Complete installing GFRC panels at North Platform Caverns
- Complete installing Escalator 1 & 2 at North Platform Cavern
- Continue installing Escalator 3 & 4 at Headhouse Concourse level
- Complete installing overhead conduit at Main Electrical and Traction Power rooms at Headhouse Platform level
- Complete electrical switchgear installation at Headhouse Platform level
- Begin Escalator 5 and 6 installation
- Complete CMU wall construction at all levels of Headhouse
- Continue construction of PCC 50 Chinatown Plaza walls

Chinatown Station

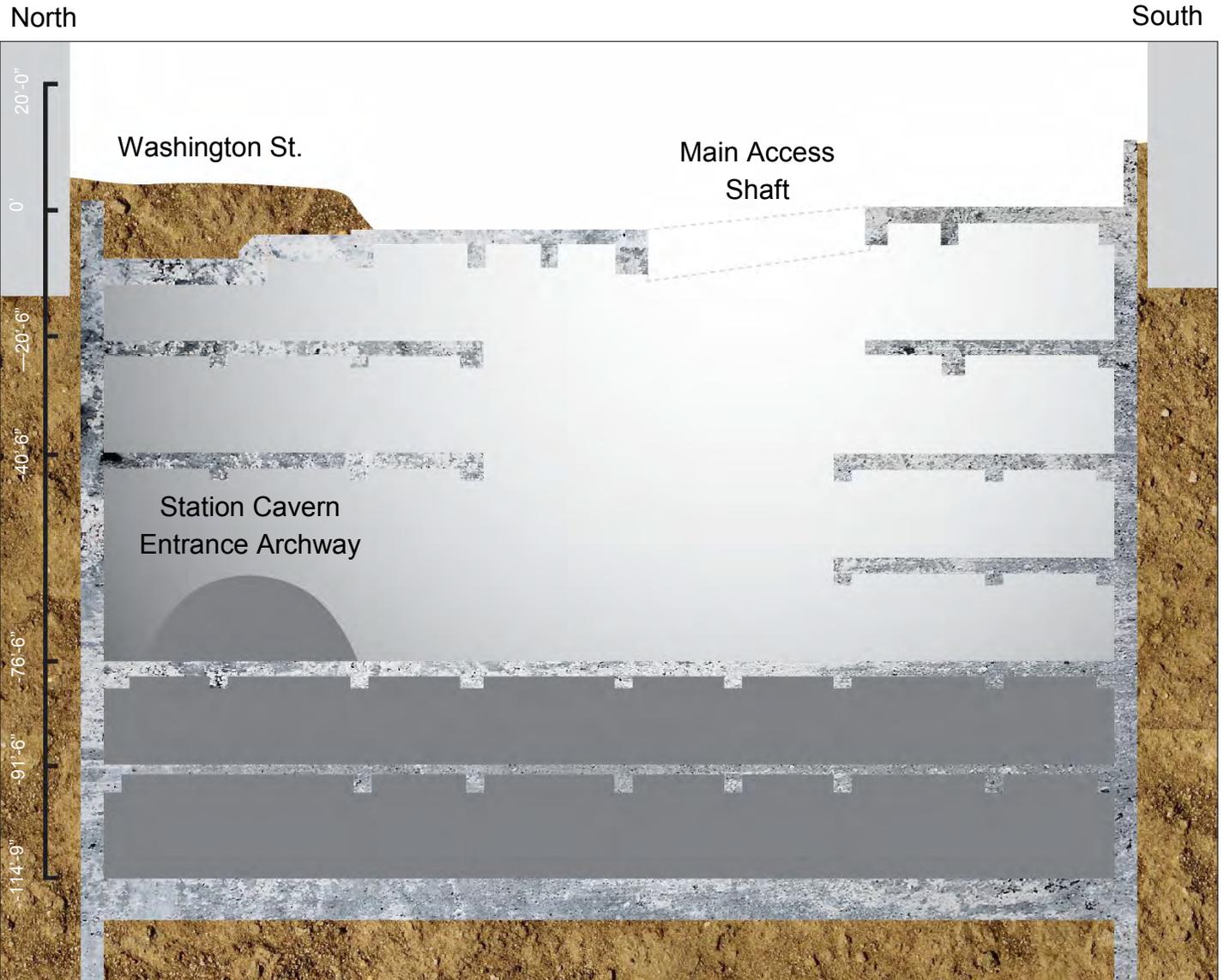
Contract 1300 - Work Package 1254R

Three Month Look

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



Station Construction Progress Section

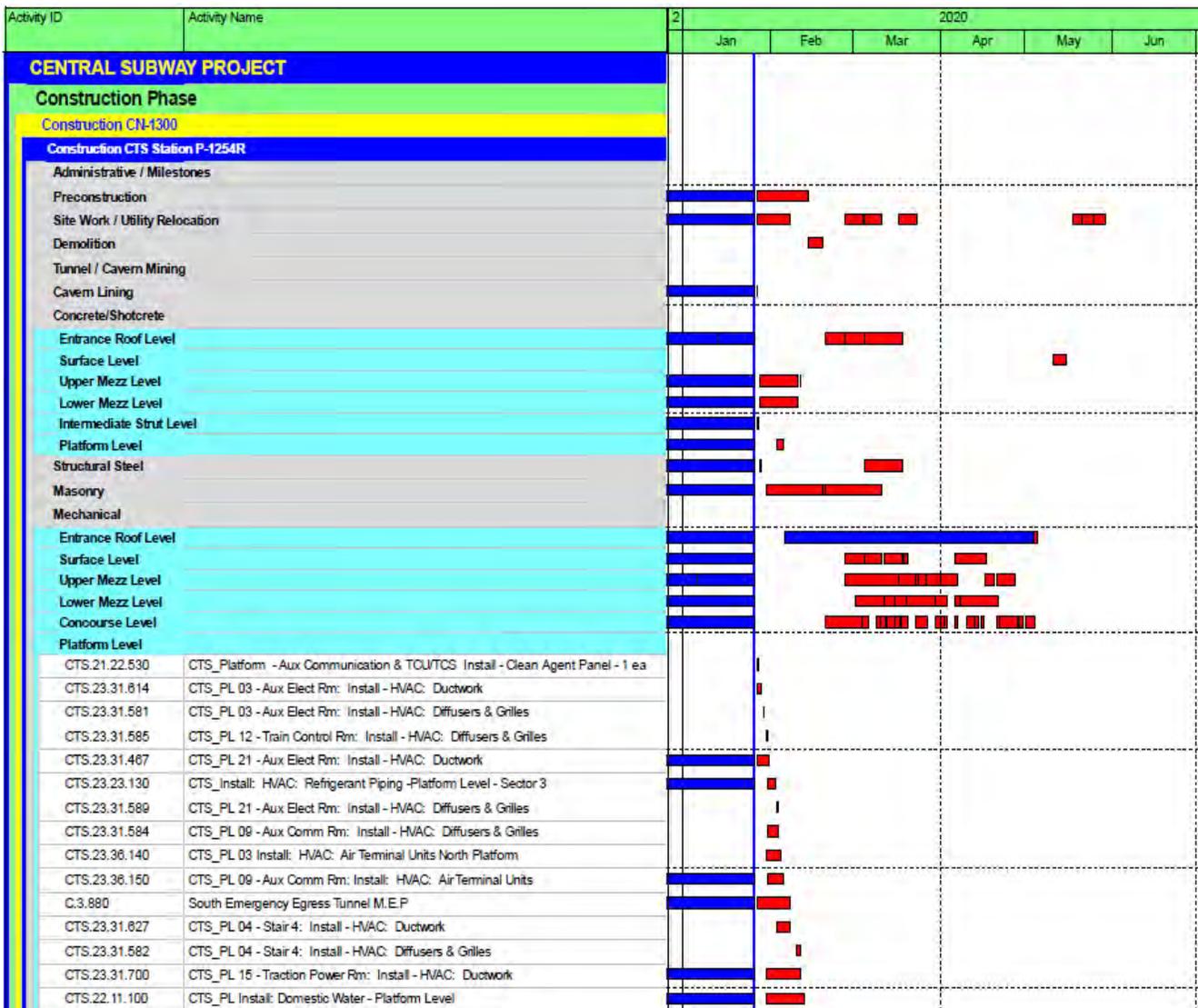


Chinatown Station Construction Status - Continued

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

Budget/Expenditures	
Current Budget	\$257,567,810
Other Project Offset Credits	\$4,280,188
Expenditures to Date	\$267,409,926

CTS Three Month Schedule



Union Square/Market Street Station

Contract 1300 Work Package 1253

Description of Work

This Work Package is to construct one subway station. 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 installation of precast architectural concrete elements for USG terrace level. Continued installation of USG Roof level exhaust vent

Work Expected Next Month

- Platform Station: Continue Energization in main electrical room. Continue construction of stairs and elevators. Continue installation of glass enclosure around elevators. Continue installation of escalators. Continue installation of glass wall panels 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. Continue installation of brackets for Platform level Artwork

Union Square/Market Street Station

Contract 1300 Work Package 1253

- 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. Continue installation of glass wall panels. Continue installation of terrazzo flooring
- Street/Surface: Continue installation of pre-cast architectural concrete elements for USG terrace level. Continue installation of USG Roof level exhaust vent. Continue Ellis Entrance finishes

Three Month Look Ahead

- Platform Station: Complete CMU wall construction. Complete deck installation. Complete all structural concrete work. Complete construction of stairs and escalators. Complete installation of ceiling panels. Continue installation of fireproofing. Continue terrazzo flooring. Continue installation of artwork on Concourse and Platform level. 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. Begin installation of access controls
- North Concourse: Continue terrazzo flooring. Complete installation of ceiling panels. Continue installation of fire alarm system in USG
- South Concourse: Continue construction of escalators and stairs. Continue terrazzo flooring. Continue installation of ceiling panels

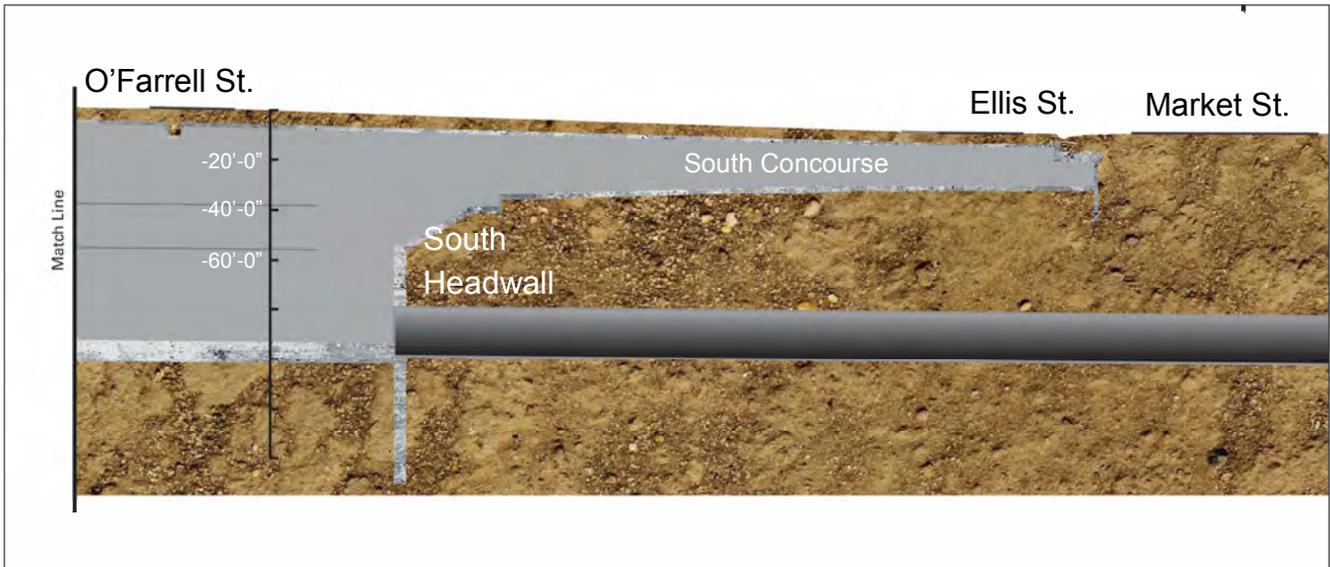
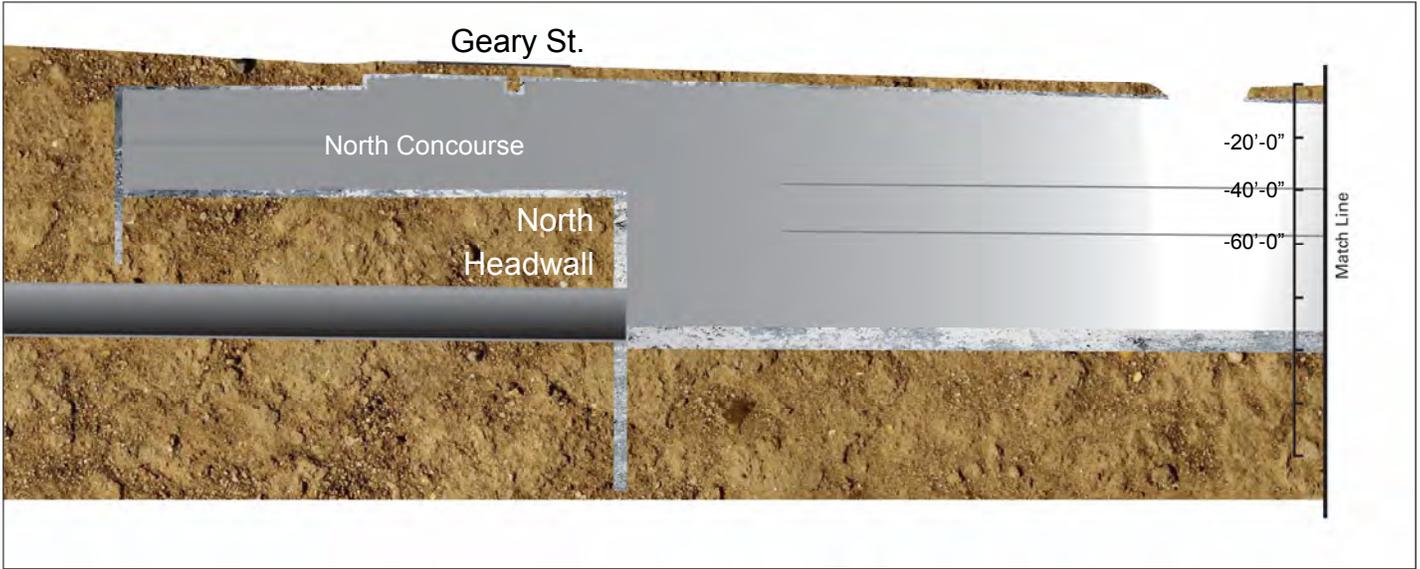


- Street/Surface: Complete installation of granite curb, brick sidewalk, and pedestrian ramps north of Market Street. Complete installation of glass roof walk artwork on USG Terrace level. Complete installation of precast architectural concrete elements for USG terrace level. Begin installation of permanent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

Station Excavation and Construction Progress Section

North

South

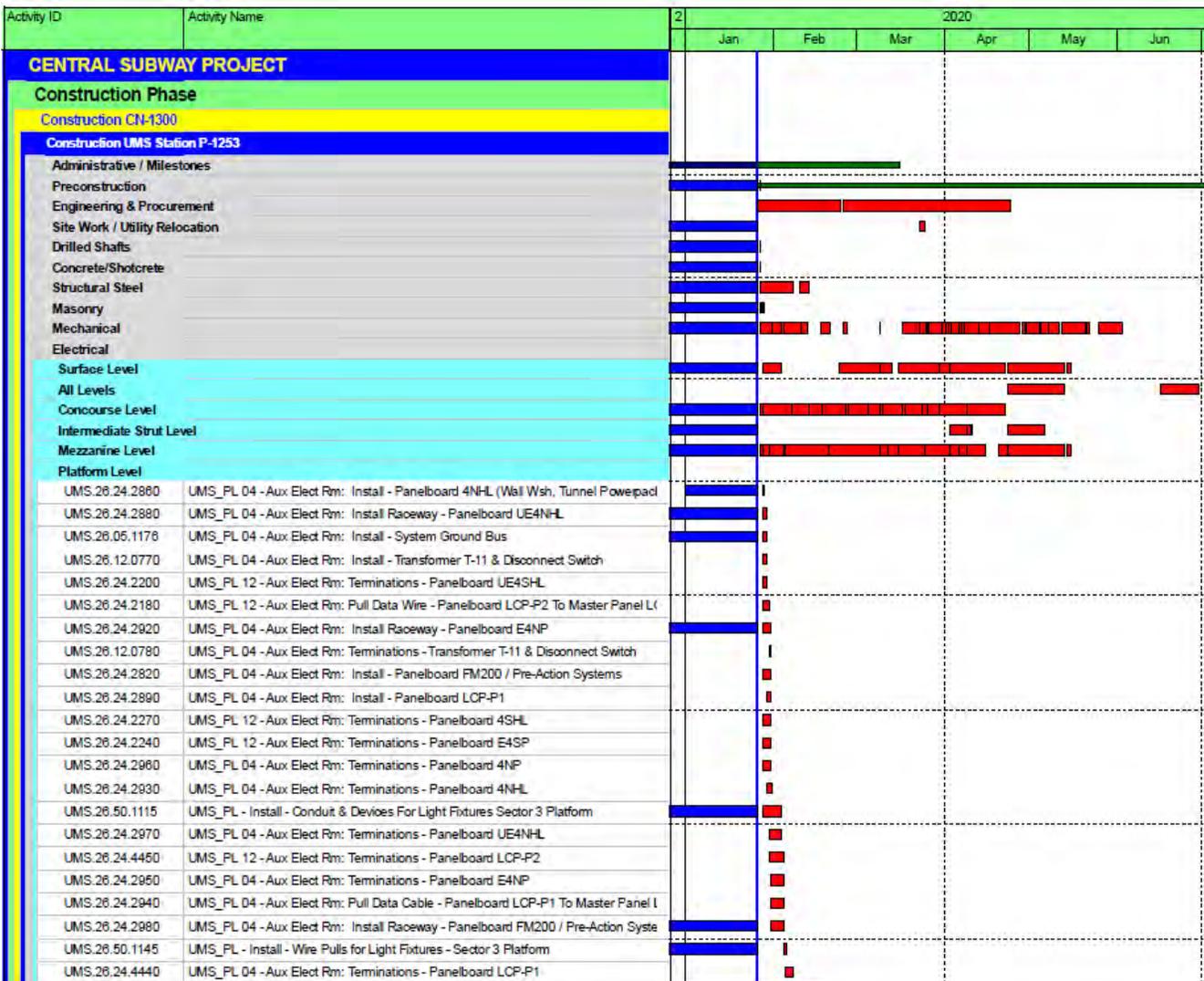


Union Square Market Street Station Construction - Continued

Contract Details	
Contract Awarded:	May 21, 2013
Notice to Proceed:	June 17, 2013
Substantial Completion:	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	\$288,978,497

UMS Three Month Schedule



Yerba Buena/Moscone Station

Contract 1300 - Work Package 1255

Description of Work

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

Current Status

- Continued installing Escalators 3 and 4
- Continued installing Elevators 1 through 4
- Began installing door frames at Headhouse Surface
- Began painting skylight and installing installation at Headhouse Roof
- Installed seismic supports and emergency ventilation controls at Station Mezzanine
- Began installing artwork at Headhouse Concourse
- Continued installing terrazzo finish in Headhouse Concourse
- Continued installing ceiling and lights in Station Concourse
- Finish installing doors at Headhouse Invert

Work Expected Next Month

- Continue installing Escalators 3 and 4
- Continue installing Elevators 3 and 4
- Begin installing skylight glass at Headhouse Roof
- Begin installing fireproof steel structure at Headhouse Roof
- Continue installation of Headhouse Vent Shaft
- Continue Installing emergency ventilation controls at Station Mezzanine
- Begin installing branch power at Station Mezzanine



- Continue installing Station Agent Booth at Headhouse Concourse
- Begin installing toilets and lockers in Headhouse Concourse
- Continue installing metal wall and ceiling in Station Concourse
- Begin installing lighting in Station Concourse
- Continue installing metal wall panels in Station Invert level

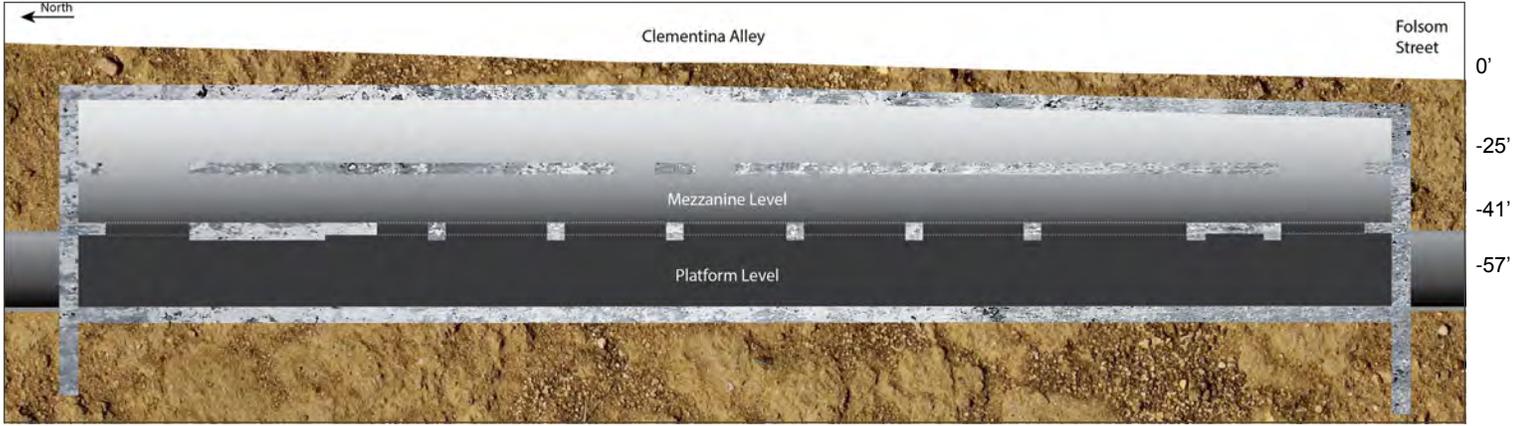
Three Month Look Ahead

- 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

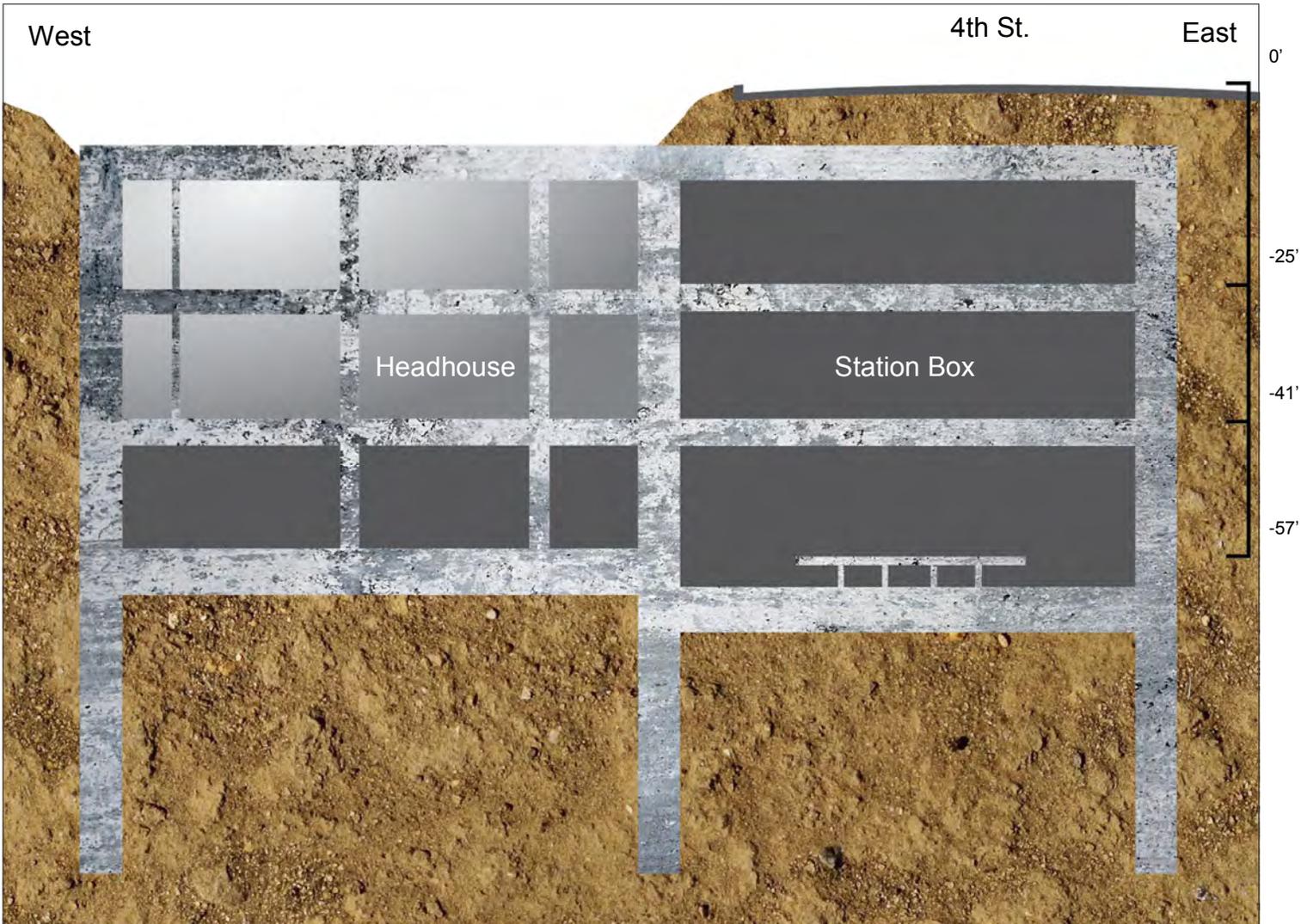
South



West

4th St.

East

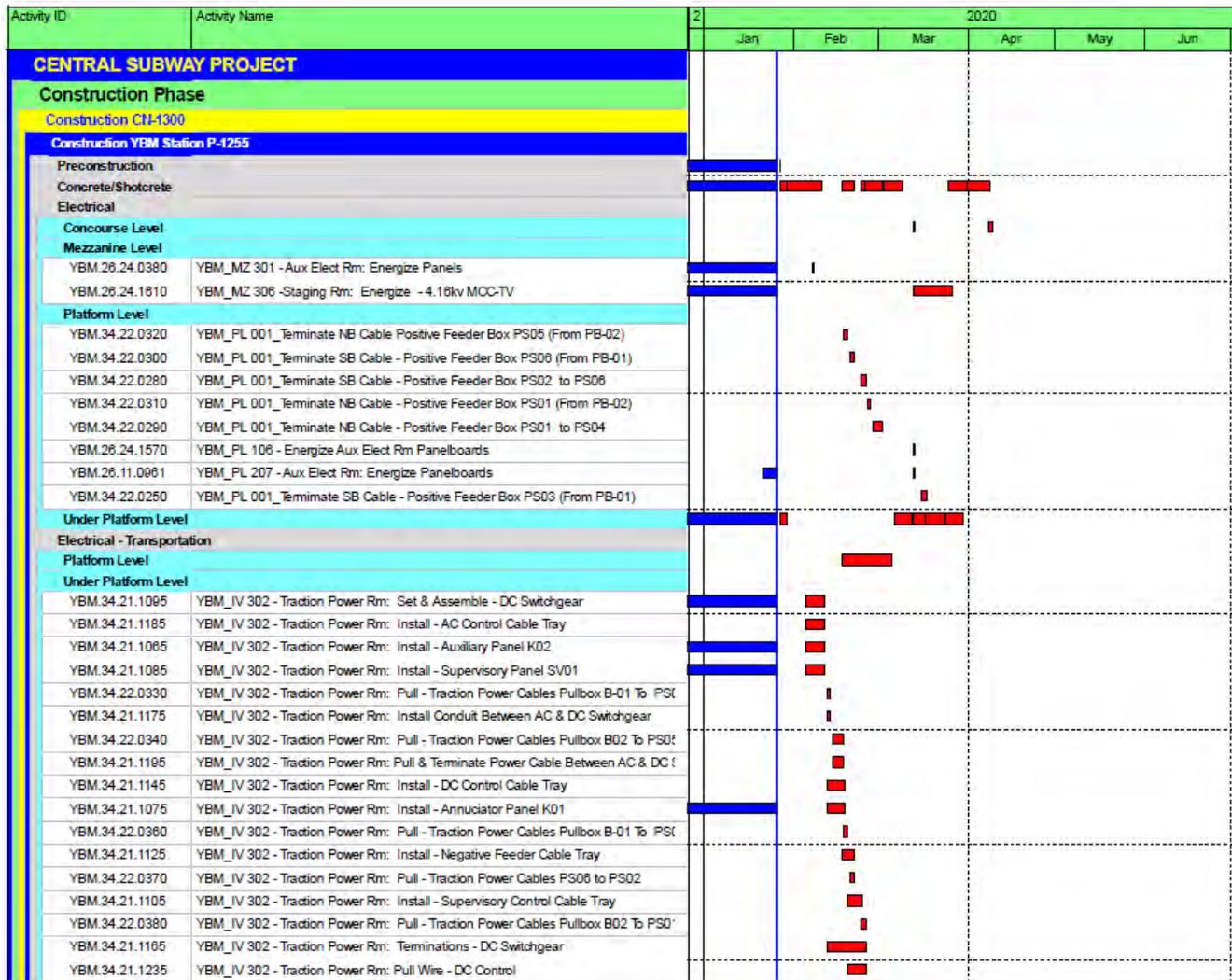


Yerba Buena Moscone Station Construction - Continued

Contract Details	
Contract Awarded:	May 21, 2013
Notice to Proceed:	June 17, 2013
Substantial Completion:	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	\$152,074,690

YBM Three Month Schedule



Systems, Trackwork, & Surface Station

Contract 1300 - Work Package 1256

Description of Work

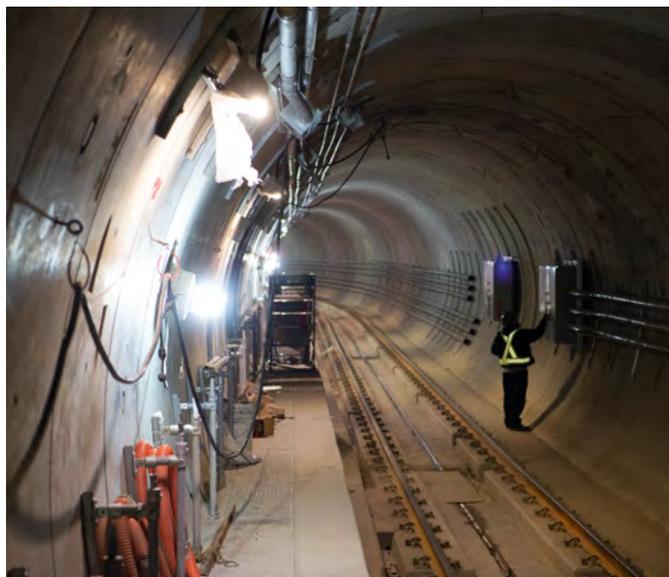
This Work Package is to construct one Surface Station. Includes light rail track and systems, track invert, track safety walkways; light rail track and systems constructed on the 2,000 foot surface for the alignment from the tunnel portal, south to the tie-in to the existing Muni T-Line at Fourth and 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
- Completed tunnel cross passages slab construction
- Continued 4th/Brannan platform construction
- Started pulling traction power feeder cables on surface
- Started OCS installation on 4th Street and Brannan Street

Work Expected Next Month

- Continue 4th/Brannan platform construction
- 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
- Continue pulling traction power feeder cables on surface
- Continue OCS installation on 4th Street
- Start FDC work near 4th Street portal



Three Month Look Ahead

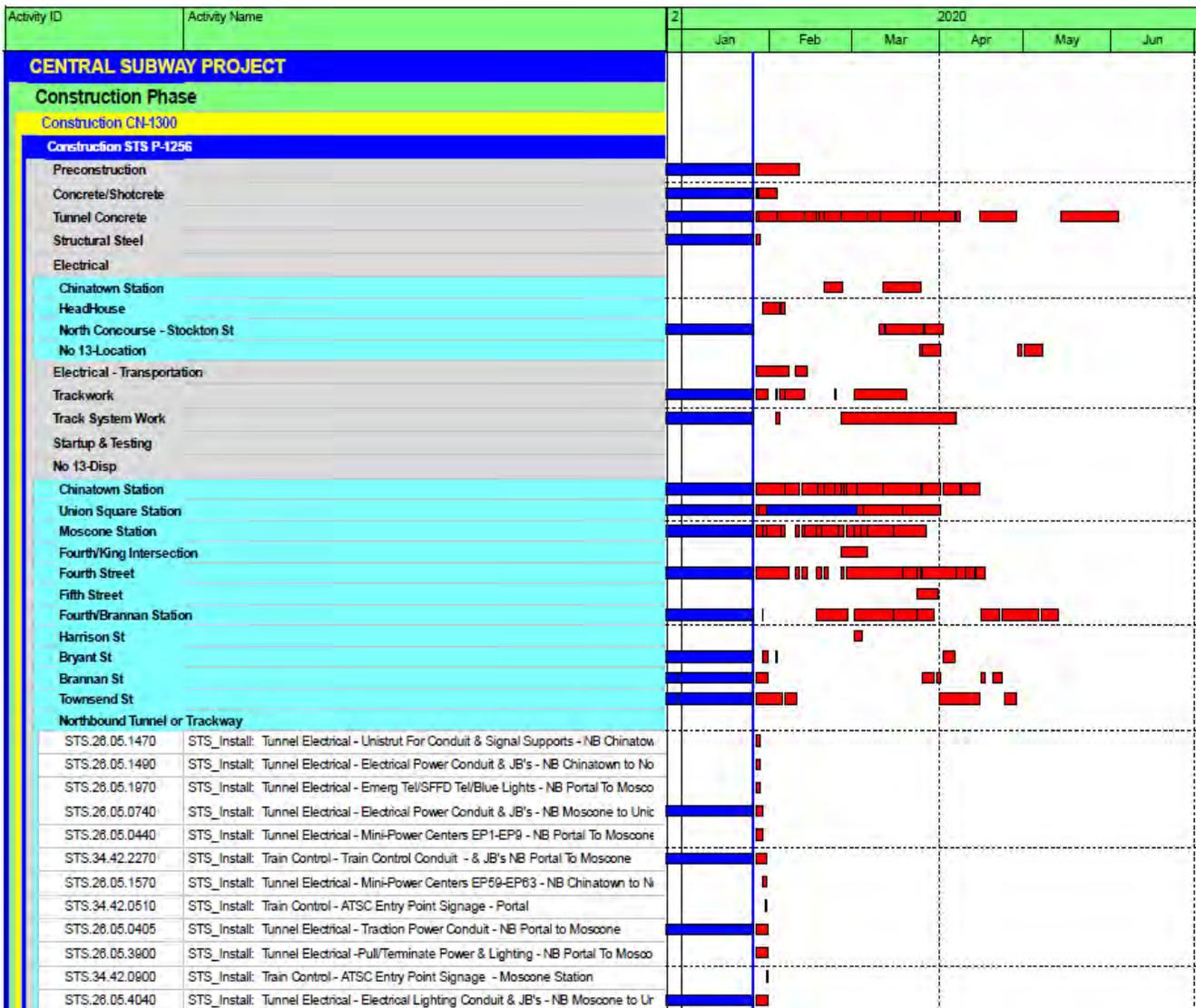
- Complete OCS/street light pole installation
- Continue OCS support/wire installation in tunnel and on 4th Street
- Continue 4th/Brannan platform construction
- Start tunnel walkway stairs installation
- Continue electrical conduit installation inside tunnel
- Continue tunnel lighting installation
-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

Systems, Trackwork, & Surface Station Construction - Continued

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	\$112,146,265

Systems, Track and Surface Station Three Month Schedule



Program Components

Community Outreach

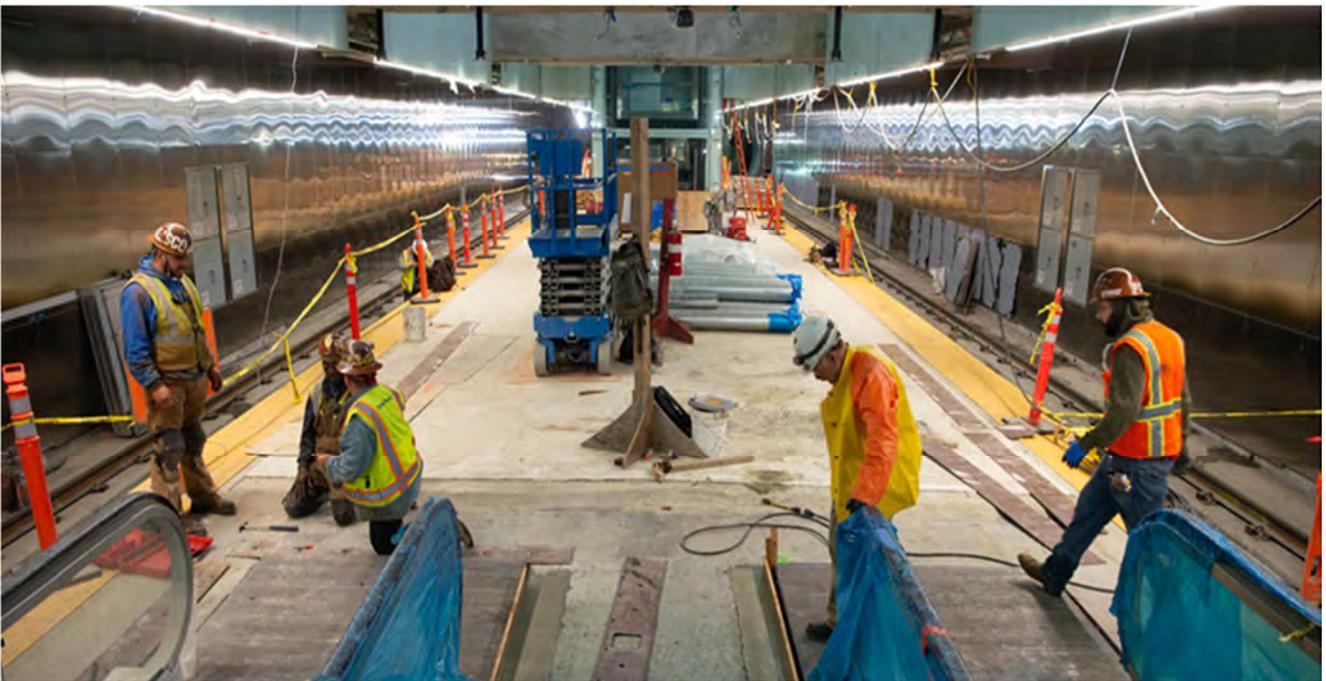
Outreach public information, events and presentations for January 2020 include:

- Conducted Chinatown Merchant's 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

There was no media coverage in January 2020.



Steel plates are adjusted for installation at the bottom of the concourse-to-platform escalators for Yerba Buena/Moscone Station.

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 Quality Assurance Program
- QA staff performs random checks of the Contractor's independent field inspection and testing laboratory reports and results as provided by the Contractor's testing laboratory
- Contractor Non Conformance Reports (CNCR) Status as indicated in the TPC QC CNCR Log:
 - ◇ Initial: 7 CNCRs are currently posted to the CNCR Log as INITIAL entries.(C1300 is required to generate a CNCR within 24 hours of becoming aware of what appears to be nonconforming work)
 - ◇ Dispositioned (not acceptable): 28 CNCRs are currently posted to the CNCR Log as DISPOSITIONED (NOT ACCEPTABLE) and have been returned to the Contractor because the RE's review of the Contractor's proposed disposition determined that the proposed disposition is not appropriate and must be revised
 - ◇ Dispositioned: 13 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

Quality Assurance - Continued

- ◇ Approved: 55 CNCRs are currently posted to the CNCR Log as APPROVED because the suggested REPAIR dispositions have been approved and the CNCRs will remain open until the approved REPAIR procedure is performed
- ◇ Closed: 366 CNCRs are currently posted to the CNCR Log as CLOSED
- ◇ Voided: 51 CNCRs are currently posted to the CNCR Log as VOIDED (subsequent evaluation of the INITIAL CNCRs determined that a CNCR is not warranted)
- ◇ 520 CNCRs are currently posted to the CNCR Log

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. These findings remain open
- During this period, Project QA initiated an audit of the Contractor's compliance with document control and quality records requirements for the period

QA Issues:

- The Contractor does not have the required QC staff
- The Contractor does not have QC on the site at all times during construction as required by contract
- The Contractor continues to perform work in some instances prior to receipt of approved required submittals (including coordination and shop drawings) and RFIs with or without knowledge of the Contractor's QC or responsible production supervision. This presents potential risk

QA Concerns:

- The contractor continues to furnish and install OCS poles without meeting prerequisite certification requirements. Project QA issued STS NCN 003. The Contractor has not responded to the NCN
- The Contractor continues to VOID CNCRs without demonstrating that the work meets Contract requirements
- The Contractor is not identifying all nonconforming work as required by Contract
- The Contractor continues to perform CNCR repairs prior to receiving approval of the proposed repair procedures
- The untimely identification and mitigation (SFMTA approval) of "last minute items" remains an ongoing challenge to all involved and often generates nonconforming work. Project quality has not suffered to date; however the aforementioned concern remains
- Project schedule compression demands disrupting RE, design staff priorities, and work flows as mentioned above; quality has not suffered but the concern remains
- CNCR 354, which documents that standard strength and not high strength 115 RE rail has been furnished and installed by Tutor Perini Corporation (TPC) the C1300 Contractor. CNCR 354 was dispositioned as Use-As-Is and was then rejected by SFMTA and returned to TPC QC to address

Quality Assurance - Continued

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

Program QA Practices Implemented:

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

Risk Management

A Risk Mitigation Management Meeting did not take place in January 2020. The members of the Risk Assessment Committee will reconvene in February 2020 to review the top risks item in accordance with the risk summary sheet, which have been given a rating by The Committee of six and above.

Currently, thirty-four (34) construction risks, two (2) revenue service risk and one (1) remaining requirement risk, are being tracked on the Project's Risk Register; in addition to, establishing strategies for mitigation and evaluating potential unforeseen issues or conditions.

The Committee will continue to follow risks and risks will be monitored and statuses updated with the use of the risk mitigation status sheets, providing monthly updates by the Risk owner to demonstrate the assigned mitigation strategy is being implemented. The program is in the process of evaluating the risk, schedule, and cost with FTA to ensure that the program has sufficient schedule and cost contingency.

Top Risks

Risk #	Risk Description	Risk Rating	Contract Phase
255	Water leaks at YBM station, including water in conduits to both electrical room and TP room	10	YBM
251	Physical activities missing (not defined) in the schedule / identify activities of undefined scope	8	STA
205	Prolong period of CMod's creates additional cost/causes bad blood between Resident Engineer and Contractor	8	STA
257	Systems Test Integration between components does not work; fails	8	RS
253	Do not have adequate (subcontractor) resources defined to perform the work to meet schedule performance	6	STA
238	Quality Program is ineffective in processing the nonconformance items causing schedule impacts	6	STA
229	CN1300 System Acceptance Testing takes a prolonged amount of time	6	STA
230	SFMTA Commissioning Coordination (inaccurate time for coordination or participation from Muni Ops)	6	STA
261	Internal Staffing Resource Issue	6	GEN
254	CPUC Field Certification - Not having enough staff to certify the work may slow down the process	6	STA

Program Safety & Security

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 January, there were a total of three incidents. Two were first aids and one was an injury. They consisted of a foreign object in the eye, cuts and bruises, and a broken left index finger.

Table 1300 Stations Construction Safety Record

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

Next Month Look Ahead

1300 Contract

1. At CTS, we continue to install overhead conduit, stairs, escalators, CMU wall curb installation, and GFRC panels
2. At UMS, we continue to install stairs, elevators, overhead plumbing, fire protection piping, and overhead fixture and electrical
3. At the YBM station, we continue to install escalators, elevators, terrazzo finish, ceiling, and lights
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 JAN 2020

SAFETY GOALS

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

JOB TO DATE

	Tutor	Subs	Total Project	Rate*
OSHA Recordable Accidents	20	6	26	1.21
Job Transfer or Restricted Duty Cases	0	0	0	0.00
Lost Time Cases	10	1	11	0.51
Total Project Incidents	30		37	1.73
Man Hours Worked Through M/E January 2020	2,017,308	2,269,653	4,286,960	

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

	Tutor	Subs	Total Project	Rate*
OSHA Recordable Accidents	0	0	0	0.00
Job Transfer or Restricted Duty Cases	0	0	0	0.00
Lost Time Cases	0	0	0	0.00
Total Project Incidents	0	0	0	0.00
Man Hours Worked Through M/E January 2020	22,843	37,035	59,878	

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

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

Technical Capacity

The Program continues to add additional staff in estimating, project control, contract administration, and construction management. These additional staff will supplement the existing staff to properly support ongoing effort to complete the project.



Workers continue building out the mezzanine level for Union Square/Market Street Station, adding utilities and systems along the way.

Staffing

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

	November 2019		Dec-2019		January 2020	
	Planned	Actual	Planned	Actual	Planned	Actual
Project Management						
Program Management	6.60	5.70	6.60	5.25	6.60	4.75
Quality Assurance	1.80	1.00	1.80	1.00	1.80	1.00
Contract Administration	1.40	10.00	1.40	9.90	1.40	9.40
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	23.35	22.10	22.80	22.10	21.80
Construction Management						
CM - CN 1252	0.00	0.00	0.00	0.00	0.00	0.00
CM - CN 1300	21.55	28.50	21.55	28.00	21.55	28.00
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	41.50	30.55	41.00	30.55	41.00
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	66.05	58.60	65.00	58.60	64.00

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

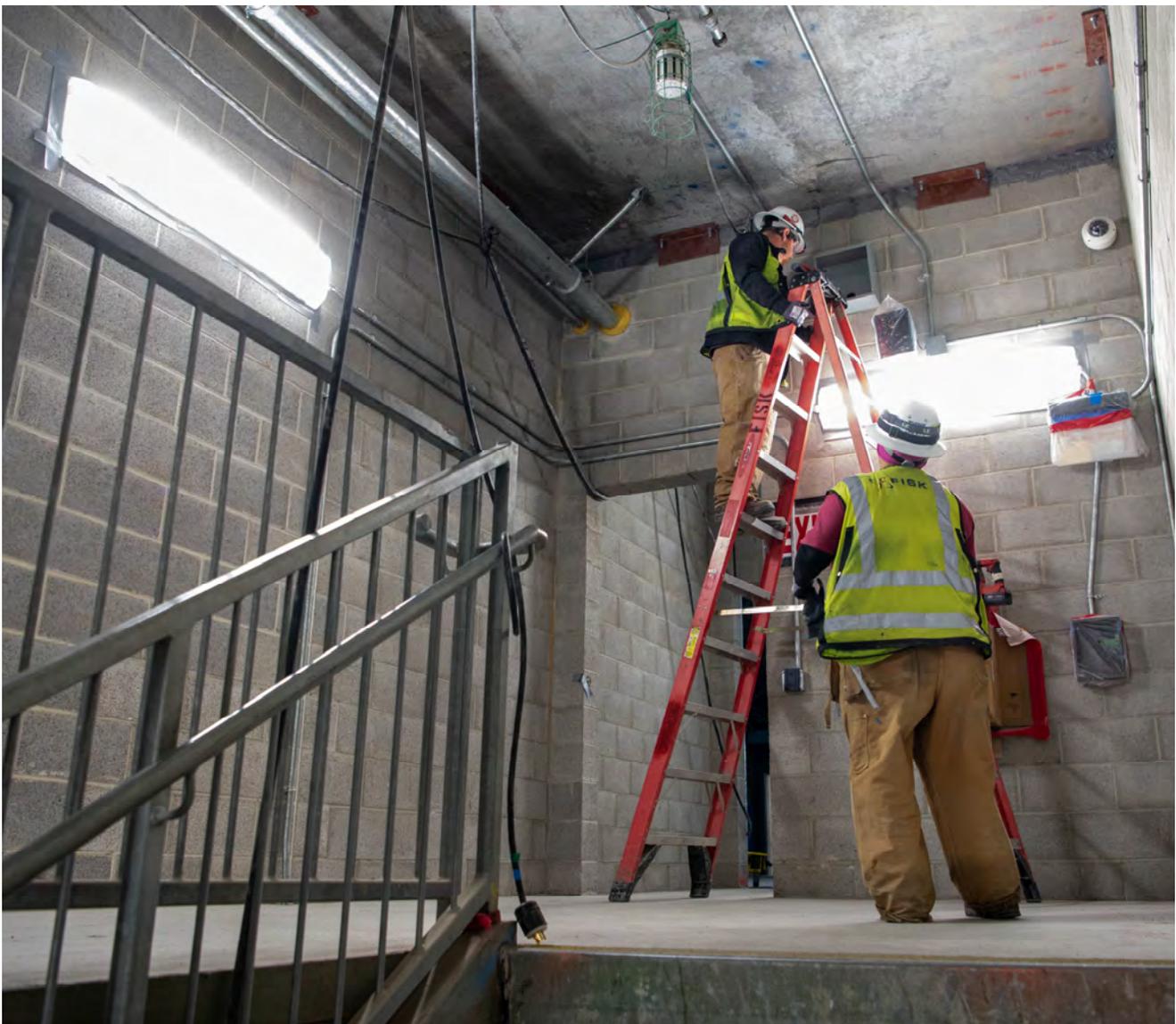
Third-Party Agreements

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.



Electrical and lighting technicians install utilities inside an emergency egress stairwell at the south end of the Yerba Buena/Moscone Station box.

central **T** subway

Current Construction Activity



Chinatown (CTS)



Union Square/Market Street (UMS)



Yerba Buena/Moscone (YBM)

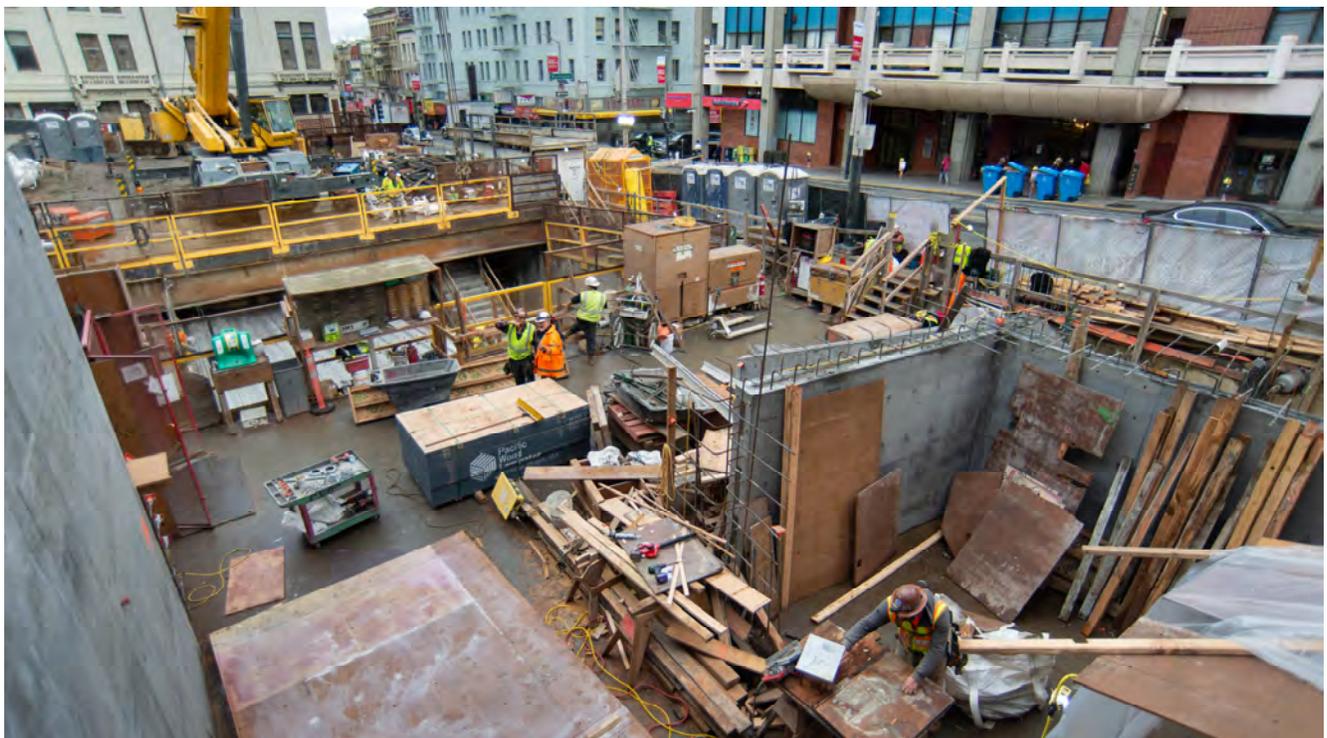


4th St. Surface Track, Systems (STS)





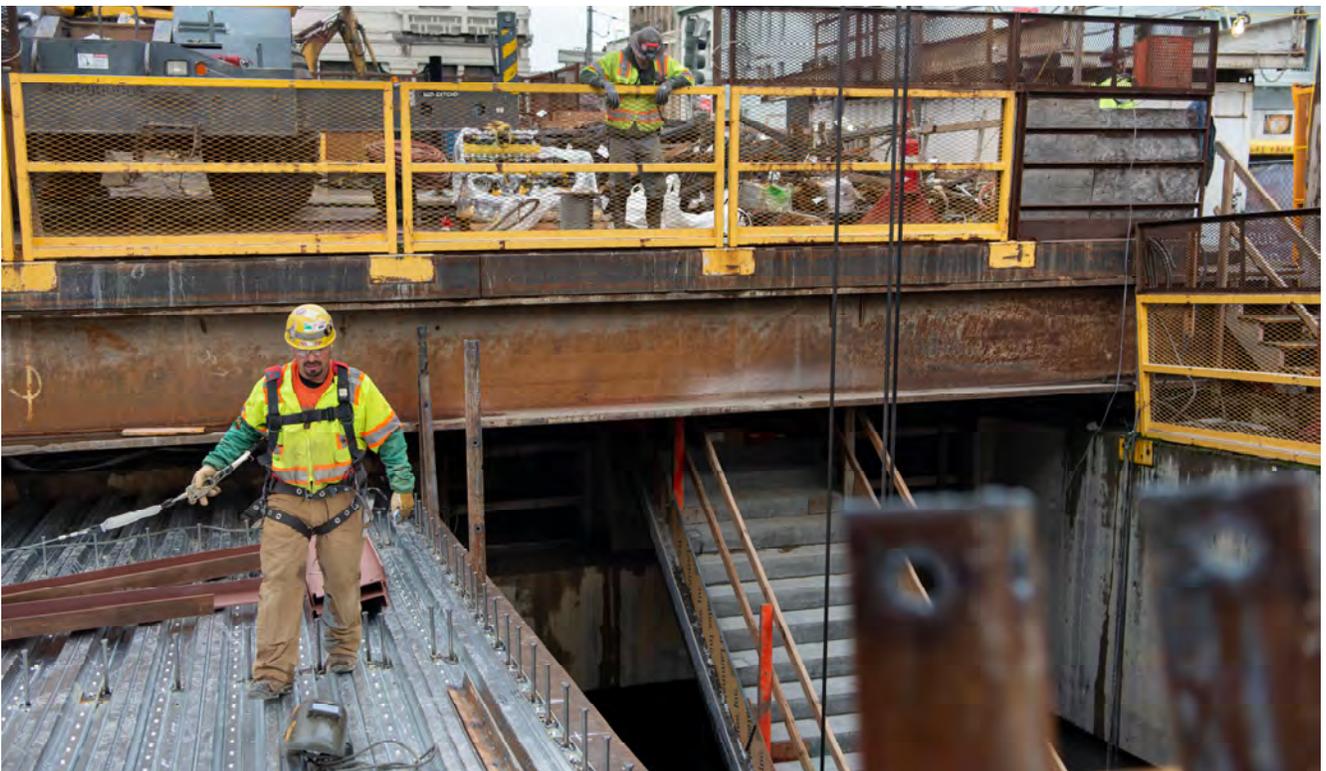
Sparks fly as workers weld brackets to massive steel beams inside the Chinatown Rose-Pak Station entrance structure, where escalators and other interior elements are being installed.



The current state of construction from atop the Chinatown Rose-Pak Station entrance structure, looking northeast.



Concourse-to-platform stairs and perforated arch ceiling panels can be seen looking north from the Chinatown-Rose Pak Station platform level.



A welder carefully walks across corrugated steel panels atop Chinatown-Rose Pak Station's future street level entrance structure.



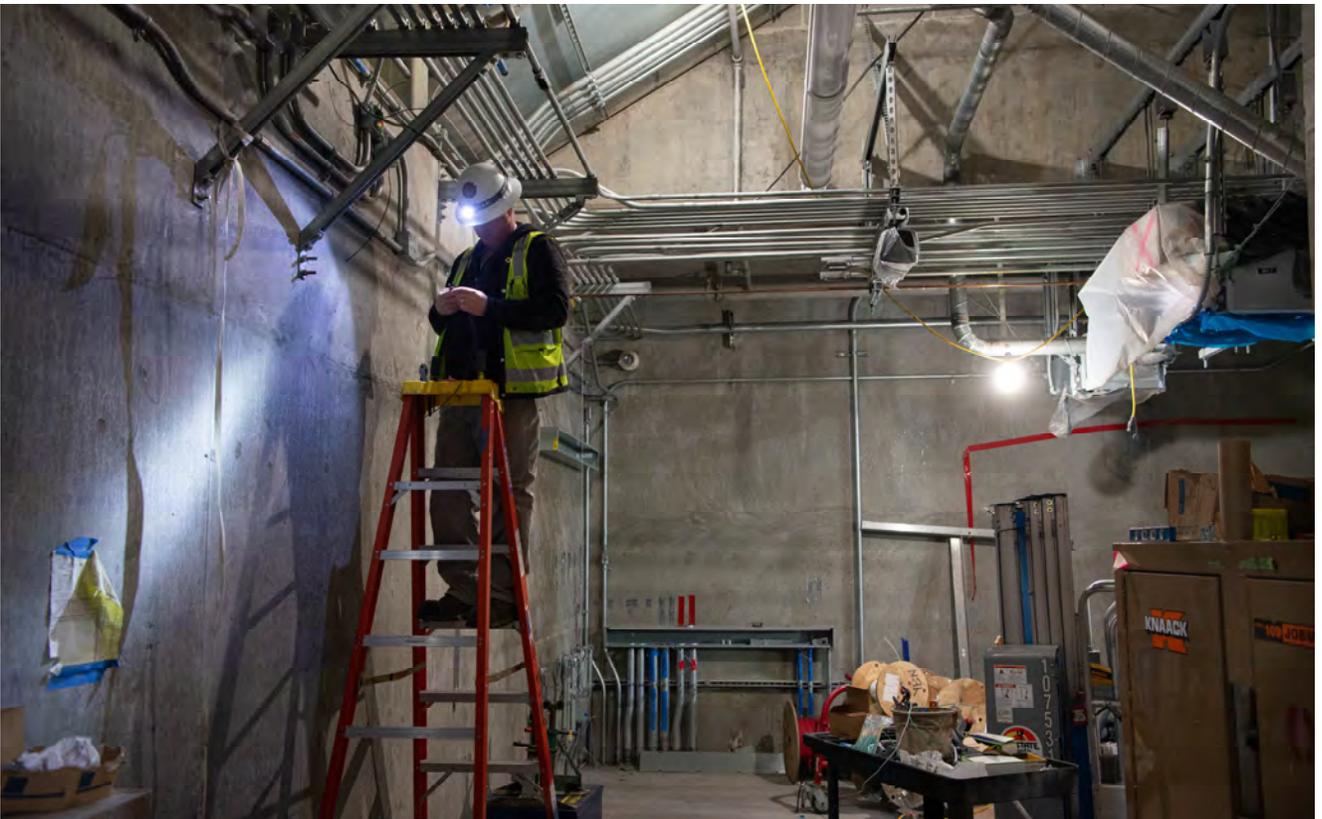
Orange mesh covers future street level elevators down to the Yerba Buena/Moscone Station lobby, as a worker installs pipes for the fire suppression system above.



Workers atop the entrance structure for Yerba Buena/Moscone Station waterproof roof elements being installed, as construction elsewhere in SoMa looms behind.



A worker looks down future dual elevator shafts into the Yerba Buena/Moscone Station lobby area from street level.



Conduits and electrical systems are carefully arranged and installed on the concourse level of the Yerba Buena/Moscone Station headhouse.



Permanent lighting is being installed inside the northbound tunnel, just north of the Yerba Buena/Moscone Station platform.



Conduits for electrical, communications, and signaling systems, as well as initial walkway railing elements are being installed inside the northbound tunnel, seen here as it approaches the Market Street S-curve.



A recently-constructed access ramp leads to the 4th and Brannan Station platform, reflecting the sky after a rainstorm.



New permanent LED lighting has been installed inside the northbound tunnel, as seen operating adjacent to temporary lighting, just south of the Chinatown track crossover cavern.

Appendix A

DETAIL COST REPORTS

*January 2020 Notice: The City continues to experience problems that were caused by error and inaccuracy from the transition from FAMIS to Financial System Project (FSP). An updated methodology has been implemented within the financial reporting that will provide more accurate figures for transactions occurring in fiscal year 2020.

1. PROJECT COST

The Current Cost Estimate (CCE) for the Central Subway Project is \$1.578 billion in year of expenditure dollars (\$YOE). This total project cost is shown at the top of Report 7.1, Program Project Budget. This capital cost projection incorporates allocated and unallocated contingencies to cover the risks associated with the project completion. The Program is in the process of evaluating 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 \$1,488.51 million, a \$23.41 million increase over last month. The cost to date figure reflects expenditures through FAMIS 786 Report (\$1,436.60 million) plus the utilities joint trench Form B Reimbursement payment (\$12.51 million), invoices currently being processed (\$35.16 million) and estimates of outstanding pay requests (\$4.27 million). This incurred amount equals 94.3% 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*	116	10/31/2019	\$ 292,267.95
CS155.2*	117	11/30/2019	\$ 292,267.95
CS155.2*	118	12/31/2019	\$ 292,267.95
CS155.2*	119	1/31/2020	\$ 292,267.95
CS155.3	113	8/31/2019	\$ 99,661.34
CS155.3	114	9/30/2019	\$ 144,362.82
CS155.3	115	10/31/2019	\$ 118,101.17
CS155.3	116	11/30/2019	\$ 123,796.64

CONTRACT	PP NO	PP PERIOD TO	PROG PYMT AMOUNT
CS155.3*	117	12/31/2019	\$ 123,796.64
CS155.3*	118	1/31/2020	\$ 123,796.64
CN1300	72	12/31/2019	\$ 10,336,939.00
CN1300	73	1/31/2020	\$ 10,471,888.00
CN1300	74	1/0/1900	\$ 13,866,511.00
CS149*	131	10/31/2019	\$ 1,115,437.72
CS149*	132	11/30/2019	\$ 1,115,437.72
CS149*	133	12/31/2019	\$ 1,115,437.72
CS149*	134	1/31/2020	\$ 1,115,437.72
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*		1/31/2020	\$ (1,856,137.03)

* Estimated Amount \$ 39,433,532.31

2. CONTINGENCY ALLOCATIONS AND USAGE

The current Total Project Contingency is negative \$17.24 million. The Contingency Drawdown Curve is shown in Report 7.3. Follows by Report 7.4 Contingency Management Trend Report with the Remaining Contingency after Approved Changes Deducted contingency items in column “i”.

In this reporting period, both Contract 1252 Tunnel and CN1300 Station did not process any contract modifications. Refer to Report 7.5 for approved contract modifications and potential changes.

3. BUDGET TRANSFERS

No budget transfers in this reporting period.

4. FORM B

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

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

5. EARNED VALUE (EV) ANALYSIS

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

Preliminary January Earned Value

Overall Budgeted Cost:	\$1,578,300,000
Planned Value:	\$1,587,262,876
Earned Value:	\$1,453,173,755
Actual Cost:	\$1,488,511,153
Schedule Performance Index (SPI):	0.92
Cost Performance Index (CPI):	0.98
Percent Complete:	91.2%

SFMTA, EV Chart

JANUARY 31, 2020 Update

Activity ID	Activity Name	Start	Finish	Performance % Complete	Budgeted Total Cost	Planned Value Cost (PV)	Earned Value Cost (EV)	Actual Total Cost (AC)	CPI	SPI
CENTRAL SUBWAY PROJECT										
	Preliminary Engineering Phase	06-Jun-03 A	10-Jul-23	91.19%	\$1,578,289,969.95	\$1,587,262,876.45	\$1,453,173,754.55	\$1,488,511,153.03	0.98	0.92
	Final Design	03-Jun-03 A	07-Jan-10 A	100%	\$46,542,061.34	\$46,542,061.02	\$46,542,061.02	\$46,542,060.53	1.00	1.00
	Light Rail Vehicles	08-Jan-10 A	17-Jun-13 A	100%	\$115,075,987.10	\$115,075,987.06	\$115,075,987.06	\$113,950,952.17	1.01	1.00
	Real Estate	15-Apr-13 A	22-Jul-20	8.25%	\$18,800,000.00	\$26,385,653.00	\$2,177,131.58	\$11,929,246.72	0.18	0.08
	Construction Phase	01-Aug-08 A	15-May-15 A	100%	\$32,140,417.71	\$37,405,895.00	\$37,405,895.00	\$30,543,064.53	1.22	1.00
	Construction Support and Costs	03-Jan-10 A	05-Aug-22	92.15%	\$1,380,858,864.80	\$1,352,333,823.88	\$1,251,972,679.89	\$1,285,545,829.08	0.97	0.93
	Construction Utility Contract #1 - MGS & Fernald CIV-1250	03-Jan-10 A	05-Aug-22	94.89%	\$210,224,127.80	\$199,862,849.06	\$189,250,660.90	\$186,705,868.67	0.95	0.95
	Construction Utility Contract #2 - UMS CIV-1251	04-Jan-10 A	23-May-11 A	100%	\$11,968,150.00	\$11,968,150.00	\$11,968,150.00	\$11,968,150.00	1.00	1.00
	Construction Tunnels CIV-1252	12-Jan-11 A	15-Oct-12 A	100%	\$20,669,081.47	\$20,794,582.00	\$20,794,582.00	\$20,669,081.47	1.01	1.00
	Construction STS P-1255-ATCS	08-Jun-11 A	27-Jan-20	93.05%	\$233,511,253.03	\$251,069,047.23	\$233,608,974.28	\$233,511,253.34	1.00	0.93
	Construction STS P-XXXX Roco	20-May-14 A	15-Dec-20	11.81%	\$16,086,709.00	\$15,601,150.55	\$2,128,643.60	\$50,000.00	42.59	0.14
	Construction CIV-1300	27-Aug-19 A	03-Oct-20	0.8%	\$4,809,852.50	\$2,342,879.27	\$38,736.60	\$32,086.00	1.21	0.02
	Unallocated Contingency	03-Jun-13 A	24-Dec-20	93.21%	\$861,639,891.00	\$650,695,125.77	\$794,162,033.50	\$620,609,377.60	0.97	0.93
	Project Management	27-Jan-20	23-Jul-21	0%	\$6,882,669.00	\$9,519,456.49	\$0.00	\$0.00	0.00	0.00
		26-Jul-21	10-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.

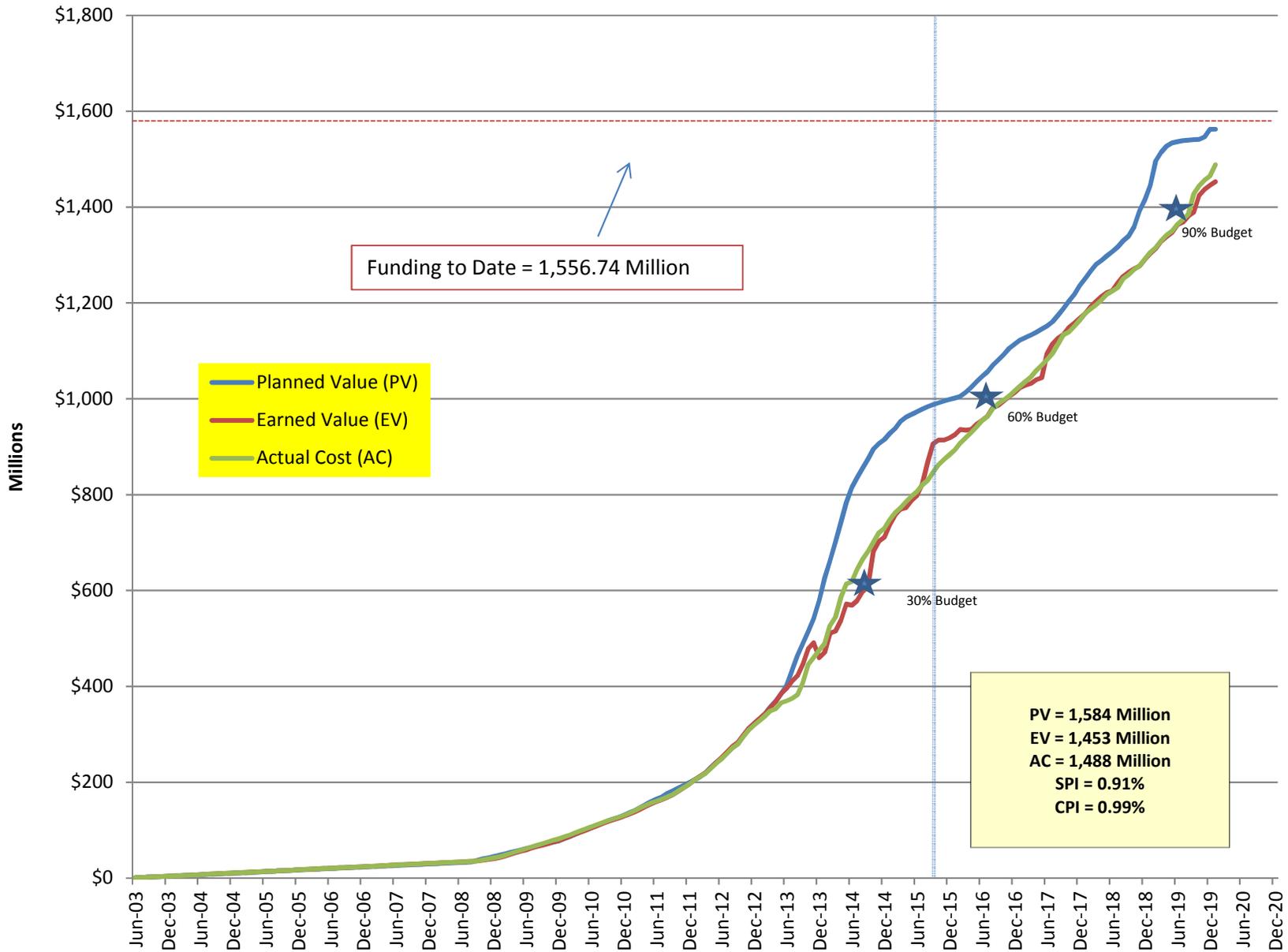
Funding Available Table		
	Funding	
	Committed Funding Sources	Total Awarded Funds to Date
Federal		
Sect. 5309-NS	\$942,200	\$942,200
Sect. 5307-OBAG	\$15,980	\$15,980
CMAQ	\$41,025	\$41,025
Federal Subtotal	\$999,205	\$999,205
State		
TCRP	\$14,000	\$14,000
State RIP	\$12,498	\$12,498
Prop. 1B (I-Bond)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

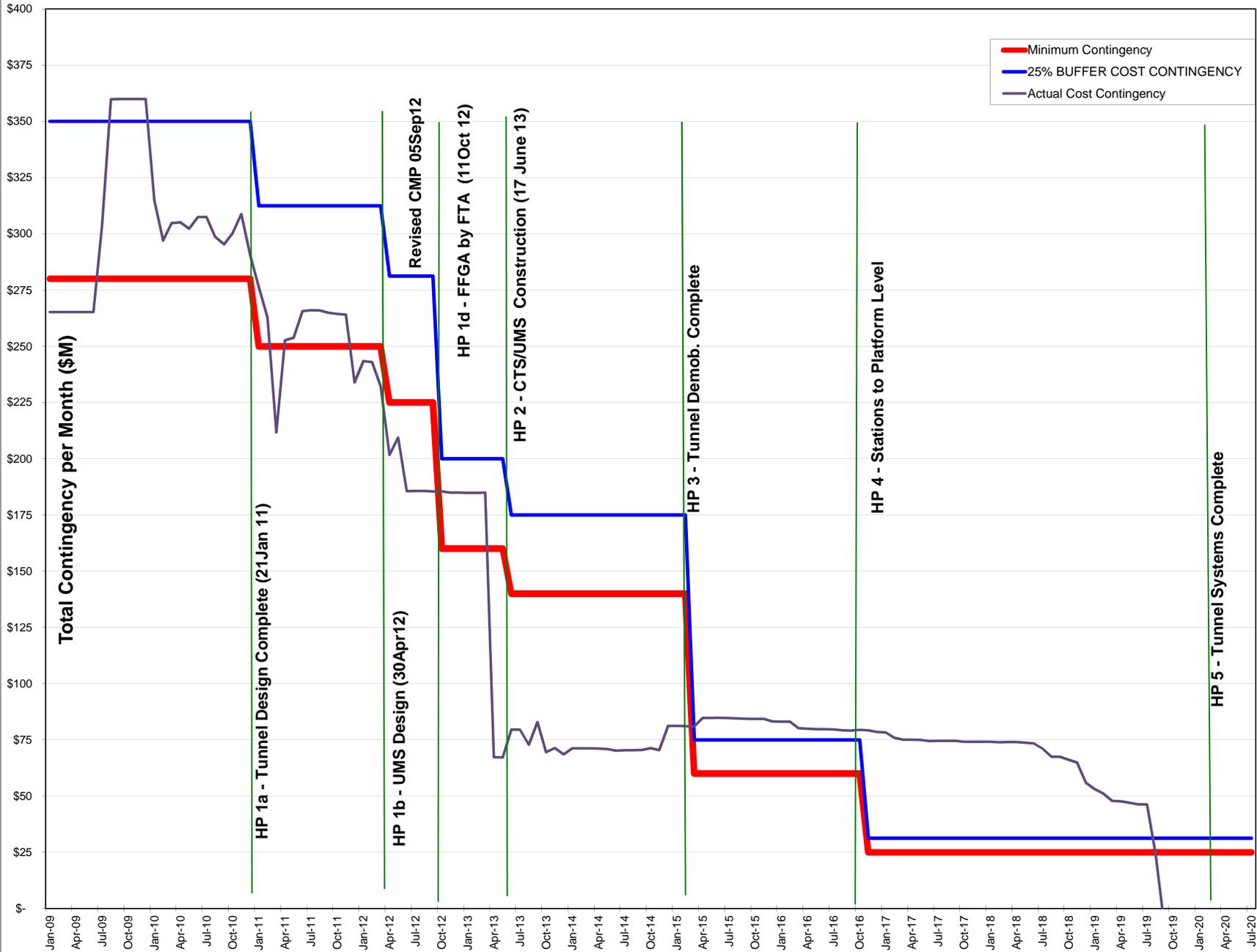
- 7.1 Program Project Budget
- 7.2 Earned Value Cash Flow
- 7.3 Contingency Drawdown Curve
- 7.4 Summary Contingency Management Trend Report
- 7.5 Detail Contingency Usage Report
- 7.6 Budget Revisions: Report sorted by Construction Packages & Soft Costs
- 7.7 Project Budget & Expenditure Report: Sorted 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

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 Support for North Beach Restoration, OCS and	\$112,102	68W409	Contract 1252 CMod #48	yes	14
10	3/15/2016 Streetlighting	\$155,468	68T7373342D2/D3	Contract 1252 CMod #51	yes	15
11	6/27/2016 DPW - MOU for Water Line above YBM Station SFWD - 8' water line at the intersection of Fourth and	\$438,218	68W592	Contract 1300 CMod #20 Contract 1252 CMod #49 partial	yes	16
12	12/9/2016 Jessie Street	\$21,020	68W456	(\$2,102) and #60 Contract 1300 CMod #123	yes	17
13	1/15/2020 CS-Chinatown Metro Plaza - CN1300	\$4,205,188	68CPT7181341	partial	yes	17a
Total:		\$28,900,797				

Earned Value Cash Flow Curve



Cost Contingency Drawdown



COST ELEMENT	CONTRACT COST					CONTINGENCY					BUDGET	VARIANCE	Cost Report Notes	
	ORIGINAL CONTRACT VALUE / September 2013 SUPPLEMENTAL BUDGET	APPROVED CHANGES	CURRENT CONTRACT VALUE	POTENTIAL CHANGES	ESTIMATE AT COMPLETION (EAC)	ORIGINAL CONTINGENCY / Sep 2013 SUPPLEMENTAL CONTINGENCY (Include CN 1250 & CN1251)	CONTINGENCY ADJUSTMENT TRANSFERS	REVISED AUTHORIZED CONTINGENCY (Include CN1250 & CN1251)	REMAINING CONTINGENCY AFTER APPROVED CHANGES DEDUCTED	REMAINING CONTINGENCY AFTER POTENTIAL CHANGES DEDUCTED [i - d]	ORIGINAL CONTRACT VALUE + REVISED AUTHORIZED CONTINGENCY	BUDGET - ESTIMATE AT COMPLETE		
	a	b	c	d	e	f	g	h	i	j	j	k		
SCC 10-50 CONSTRUCTION CONTRACT PACKAGES														
1250	UTILITY RELOCATION PACKAGE #1	9,273,939	2,694,211	11,968,150		11,968,150	1,953,377	740,834	2,694,211		11,968,150		18	
	Contract 1250 Department of Technology	166,756		166,756		166,756					166,756			
1251	UTILITY RELOCATION PACKAGE #2	16,832,550	3,836,531	20,669,081		20,669,081	5,367,297	(1,530,766)	3,836,531		20,669,081		19	
	Contract 1251 Department of Technology	75,615		75,615		75,615					75,615			
1252	GUIDEWAY TUNNEL	233,584,015	(72,762)	233,511,253	-	233,511,253	23,658,464	(23,731,226)	(72,763)		233,511,253	(1)	20	
1300	STATIONS	839,676,400	48,604,326	888,280,726	13,315,786	901,596,511	20,000,000	20,000,000	21,963,291	(26,641,035)	(39,956,820)	861,639,691	(39,956,820)	21
	1253 UNION SQUARE/MARKET ST STATION [UMS]	294,030,590	7,744,337	301,774,927	6,084,717	307,859,643	5,000,000	15,000,000	20,000,000	12,255,663	6,170,947	314,030,590	6,170,947	
	1254 CHINA TOWN STATION [CTS]	247,567,810	52,199,817	299,767,627	1,411,930	301,179,557	5,000,000	5,000,000	10,000,000	(42,199,817)	(43,611,747)	257,567,810	(43,611,747)	22
	1255 YERBA BUENA/ MOSCONE STATION [YBM]	158,089,000	3,241,425	161,330,425	2,290,255	163,620,680	5,000,000		5,000,000	1,758,575	(531,680)	163,089,000	(531,680)	
	1256 SURFACE TRACKWORK & SYSTEMS [STS]	139,989,000	(14,581,253)	125,407,747	3,528,883	128,936,631	5,000,000		(13,036,709)	1,544,544	(1,984,340)	126,952,291	(1,984,340)	
OTHER		38,239,187	23,938,659	62,177,846		62,177,846	1,160,000	1,060,000	25,098,659	1,160,000	1,160,000	63,337,846	1,160,000	23
	SCC 10 - 50 Construction Sub-total	1,137,848,462	79,000,965	1,216,849,427	13,315,786	1,230,165,212	52,139,137	(3,461,158)	53,519,929	(25,481,035)	(38,796,820)	1,191,368,391	(38,796,821)	24
SCC 60-80 SOFT COSTS PACKAGES														
60	ROW, LAND, EXISTING IMPROVEMENTS	36,511,799	(4,265,478)	32,246,321		32,246,321	1,000,000	(1,000,000)	0	0	0	32,246,321	0	25
70	VEHICLES	24,108,712	(7,308,712)	16,800,000		16,800,000	2,276,941	(2,276,941)	0	0	0	16,800,000	0	26
80	PROFESSIONAL SERVICES	310,518,041	19,126,155	329,644,196		329,644,196	18,221,079	(16,862,657)	1,358,422	1,358,422	1,358,422	331,002,618	1,358,422	26a
	SCC 60 - 80 Construction Sub-total	371,138,552	7,551,965	378,690,517	0	378,690,517	21,498,020	(20,139,598)	1,358,422	1,358,422	1,358,422	380,048,939	1,358,422	
SCC 90	UNALLOCATED CONTINGENCY						3,845,945	7,608,606	11,454,551	6,882,669	6,882,669	6,882,669	6,882,669	27
TOTAL		1,508,987,014	86,552,930	1,595,539,944	13,315,786	1,608,855,729	77,483,102	(15,992,150)	66,332,902	(17,239,944)	(30,555,729)	1,578,299,999	(30,555,730)	
											Total Project Budget	1,578,300,000	28	
											Estimate At Completion	1,608,855,729	29	
											Variance	(30,555,730)	30	
Note #17 - Adjusted Contract 1252 Guideway Tunnel contingency "column g" to reflect construction contract modifications #20, #40, #41, #48, #51 and #60 were funded by other funding sources.														

Contract Modification/Trend Log - Contract 1300 Stations

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

	UMS	CTS	YBM	STS	COST REPORT NOTES
Potential Changes	6,084,717	1,411,930	2,290,255	3,528,883	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 COR 1908 Cnfrm Crss Psg Sump Pu				8,415	
STS PCC #020 Deletion of ARS				(2,578,966)	
UMS COR 12 Fire Hydrant @ OFarrell	22,500				
UMS COR 1938 Plaza Vent Wall Slab C	29,000				
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 273 N Entrce Cncrs Lvl HVAC	4,538				
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 COR 1952 Missing Framing Detail			7,982		
YBM PCC 318 Station Door Hardware M			824,267		
YBM PCC 508 Provide Core Drill and			34,612		
YBM PCC 612 Rev. at Elevators 3 & 4			35,854		
YBM PCC 653 Framing for Wall Panels			2,491		
CTS COR 1682 Panelboard Shop Drawin		0			
CTS COR 1760 Flat Jack System		0			
CTS COR 1781 Flooring Sealer		0			
CTS COR 1932 Plmbing Pipes at Stair		0			
CTS COR 1945 Escltr 3&4 Intrmdt Spp		0			
CTS COR 1957 HVAC Exhaust Ductwork		0			
CTS COR 1966 Add'l Revision to Elev		1,978			
CTS COR 1973 Elec Switchgear Housek		0			
CTS COR 1980 Oversized Doors		0			
CTS COR 1981 Fire Protection Spinkl		0			
CTS COR 1993 Surface Slab Extension		0			
CTS COR 2003 Confirm Elev 3&4 Hoist		0			

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount
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	UMS	CTS	YBM	STS	COST REPORT NOTES
CTS COR 2007 Channel Concrete Toler		0			
CTS COR 2008 Revised Sprnklr Piping		0			
CTS COR 2009 Fire Prctn Pipe Routi		0			
CTS COR 2013 Confirm Revised Routin		0			
CTS COR 2022 Box Strut Cnnctn Confl		0			
CTS COR 2023 Concrete Header at Gri		0			
CTS COR 2024 Generator Tap Box Alt		0			
STS COR 1959 Assembly of Moto Ohtak				0	
STS COR 1996 Revised Loctations of				0	
STS COR 2001 Suspend Work Grout				0	
UMS COR 1806 Unfinished Columns	3,479				
UMS COR 2006 Opening in CN07 Ceilin	6,622				
UMS COR 2012 Wall Tile Tolerance &	0				
USG COR 275 Conn. Plaza Grid B	0				
USG COR 767 St Cas Column Conflict	20,281				
YBM COR 1992 Delay to DBI Green Tag			0		
YBM COR 2017 Power & Light Req			0		
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 1827 PA Mounting Detail		0			
CTS COR 1858 Crosscut Cavern CC Lvl		0			
CTS COR 1886 Specs for Alum. Comp.		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 COR 923 Esc Equip Room Size		0			
CTS PCC 207 SEM Sequencing Changes		0			

Contract Modification/Trend Log - Contract 1300 Stations

**Awarded NTE Amount
Substantial Completion**

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6/29/2020**

**\$888,280,726
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	UMS	CTS	YBM	STS	COST REPORT NOTES
CTS PCC 262 Cavern Wall Artwork		79,777			
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			
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 539 Light Fixture Spprt Ste		0			
CTS PCC 547 Revised SFFD Cabinet Si		5,436			
CTS PCC 548 Spot Acceleration		60,327			
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 PCC 607 Add Service Line Throug		170,046			
CTS PCC258 Start PCN before Com PCS		0			
PCC 575 CTS Emergency Command		5,578			
STS COR 1075 U Wall Section Slab				2,001	
STS COR 1201 Unkwn Stl Conduits				12,500	
STS COR 1268 FH Install NE 4th Brya				3,501	

Contract Modification/Trend Log - Contract 1300 Stations

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	UMS	CTS	YBM	STS	COST REPORT NOTES
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 1593 ATT MH 4th Brannan				4,001	
STS COR 1615 Public Safety Comms				1	
STS COR 1622 Exist Pull Box Ramp				501	
STS COR 1634 Sewer Confl Light Pole				1,000	
STS COR 1720 Walkway Tunnel Inserts				8,500	
STS COR 1739 Delete (4) gas line ca				(1)	
STS COR 1765 Add'l Electrical Labo				1	
STS COR 1782 ALL Access Cntrl & Int				25,000	
STS COR 1789 Utility Conflicts w/WD				0	
STS COR 1804 Structural Support Det				2,500	
STS COR 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				8,415	
STS COR 632 Omit Unist & add Anr Bt				1,090	
STS COR 633 Ligting Arrrests Signal				(1)	
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	

Contract Modification/Trend Log - Contract 1300 Stations

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	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 813 Permissive Signal				5,001	
STS COR 826 DSC Swr Cap & I Beams				7,500	
STS COR 852 Caltrans Encrocmnt Prmt				(1)	
STS COR 874 Inter Loc of MRY Dc Bk				10,000	
STS COR 890 Ex PII 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				251	
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	
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 552 ATCS Clarification				4,000,000	
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 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				

Contract Modification/Trend Log - Contract 1300 Stations

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	UMS	CTS	YBM	STS	COST REPORT NOTES
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 1790 Asssit SFFD w Repair W	363				
UMS COR 1800 Omitted Sply Fan & Fir	77,500				
UMS COR 1832 Powell Elev Clarif	30,000				
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				
UMS COR 1950 Elevator Shrink Wrap W	7,234				
UMS COR 492 Jet Grout at N.Headwall	25,001				
UMS COR 493 Steel Shape Inside Pile	12,501				
UMS PCC 118 Elevator Overhead Hoist	105,823				
UMS PCC 225 Add Two S.S Enclosures	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 428 Bart Ceiling	0				
UMS PCC 437 Fire Rated Shaft atCN09	11,746				
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 528 Add Data Outlets for Su	49,042				
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 568 Sawcut CMU Walls Under	95,391				
UMS PCC 615 Grind Down Plt Topping	21,841				
UMS PCC 617 Add Rnfrmnt Cncrt Slb	8,332				
UMS PCC 652 Seismic Bracing Modific	164,630				
UMS PCC 94 Repair MRY Ductbank Y	2,714				

Contract Modification/Trend Log - Contract 1300 Stations

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	UMS	CTS	YBM	STS	COST REPORT NOTES
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 1721 Concourse Lvl Wall Fin			16,543		
YBM COR 1740 Conflict w/Traffic Sig			3,750		
YBM COR 1906 Best Construction Delay			891,792		
YBM COR 1936 Conflict of Metal Ceil			0		
YBM COR 1952 Missing Framing Detail			7,982		
YBM COR 1979 Change Stair 2 Landing			5,816		
YBM COR 390 Chip Mezzanine Headwall			30,003		
YBM PCC 268 Rstroom Fclty Wall Revs		1,574			
YBM PCC 328 Platform lvl metal wall			150,000		
YBM PCC 362 Rev. to Platform Displa			15,845		
YBM PCC 560 Elevator Ledge Beveling			8,393		
YBM PCC 591 ECP Access Panel and Ro			5,579		
YBM PCC 59R Pavers Basis of Design			3,758		
YBM PCC 602 Add 3-way light switchi			5,053		
YBM PCC 610 Replc Phn Cabinet Racks			47,930		
Proposed Contract Change (PCC)					
CTS PCC 119 Pltform Lvl Wall Art In		(1)			
CTS PCC 135R1 Esc 5/6 Support Column		41,837			
CTS PCC 360 HVAC Ductwork Conflict		12,500			
CTS PCC 456 Throat Size and Anchor		0			
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 556 Station Agent Booth Rev		25,000			

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount
Substantial Completion

\$839,676,400
6/29/2020

\$888,280,726
6/29/2020

	UMS	CTS	YBM	STS	COST REPORT NOTES
CTS PCC 558 Maintenance Hatch Rebar		18,239			
CTS PCC 567 Weld Rebar Dowel to I-B		2,500			
CTS PCC 574R1 Door and Access Panel		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 Duct Conflict		7,500			
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 630 Framing for the Panels		5,000			
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 PCC 659 Slab Ext. & Steel Beam		7,500			
CTS PCC 662 GFRC-Z Channel Revisions		5,000			
CTS PCC 664 Finish for LMZ01 & PL09		2,500			
CTS PCC 667 Finish for room PL18		10,000			
CTS PCC 669 PL19 Rev. for Esc. 1&2		5,000			
CTS PCC 670 Stair #5 landing Plaza		0			
CTS PCC 673 Reroute of Conduits		0			
CTS PCC 674 Routing Drainpipe		500			
CTS PCC 676 Elevator Louver Size		500			
CTS PCC 680 Slab tie in details_		20,000			
CTS PCC 682 Concrete header at GL 8		15,000			
CTS PCC628 Police Officer at Powell		75,000			
CTS PCC661 Revise PL15B Door Swing		250			
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		

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount
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	UMS	CTS	YBM	STS	COST REPORT NOTES
PCC 586 CTS Slurry & C.I.P Wall Conn		2,000			
PCC 625 CTS R1 Routing Conduit		5,500			
PCC 675 Underplatform Level Door Mo		10,000			
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 572 MRY MH 1892 Roof Mod				25,000	
STS PCC 618 Mod Swoosh Arm P1 P2				7,500	
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	
STS PCC 672 Dlt Spare & Fiber Rack				(8,000)	
STS PCC 677 Replace CCTV Terminatio				750	
UMS PCC 181 Plaza ADA Enhancements	37,500				
UMS PCC 221 Slab Interaction	3,750				
UMS PCC 225R2 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 317 Sidewalk on Geary St.	(10,001)				
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				

Contract Modification/Trend Log - Contract 1300 Stations

**Awarded NTE Amount
Substantial Completion**

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6/29/2020**

**\$888,280,726
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	UMS	CTS	YBM	STS	COST REPORT NOTES
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 495 Sprinklers at BART Entra	7,025				
UMS PCC 514 Storage Rm Sprinklers	24,290				
UMS PCC 515R2 Mezz Lvl Sctr 3 Dtwork	25,000				
UMS PCC 520 Fill Voids Btwn Strut &	25,000				
UMS PCC 597 Add Wall Access Panel	10,000				
UMS PCC 600 Dtls fr Runnel & Cnt St	5,000				
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	5,000				
UMS PCC 644 Instll 42" Grd Barrier	2,500				
UMS PCC 646 LED Light & Ceiling Pan	27,500				
UMS PCC 648 USG;Replace Fence Scree	25,000				
UMS PCC 650 Install SFMTA DT Cndts	10,000				
UMS PCC 654 Install Neutral Wire	5,000				
UMS PCC 656 Wtr Infiltrarion Cleanin	10,000				
UMS PCC 657 Relocate TP Conduits	10,000				
UMS PCC 666 Restore Eyebolt for OCS	12,500				
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)		

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	\$839,676,400				\$888,280,726
Substantial Completion	6/29/2020				6/29/2020
	UMS	CTS	YBM	STS	COST REPORT NOTES
YBM PCC 305R2 Signage Revisions			500		
YBM PCC 579 Vent Shaft Roof Curb He			5,000		
YBM PCC 590 Relocation of MCC-JF			12,500		
YBM PCC 594R1 Water Intrusion			150,000		
YBM PCC 599 Dltn of Ceililing Panels			0		
YBM PCC 627 Instll Fire-Rated Clngs			0		
YBM PCC 636 Install Thermostats in			0		
YBM PCC 642 Install Drainage Str 3			5,000		
YBM PCC 645 Misc Elctrcl Revision			10,000		
YBM PCC 647 Size Chng for Invrt Dr			4,000		
Approved	7,744,337	52,199,817	3,241,425	(14,581,253)	
Contract Modification					
CMod # 14 YBM COR 036, 078			58,526		
CMod #017 CTS CORs 001 053 & 069		54,322			
CMod #018 CTS PCC 012		60,248			
CMod #021 STS CORs 48/52/114/233/252				18,221	
CMod #025 - Various CORs			59,113		
CMod #026 YBM COR 072			84,509		
CMod #027 UMS PCC 092	0				
CMod #028 CTS PCC 017.1		97,743			
CMod #029 STS PCC 009.1					(143,668)
CMod #033 CTS Various CORs		56,422			
CMod #034 CTS Various CORs		19,334			
CMod #035 STS PCC 077				11,147	
CMod #037 CTS Various CORs		8,886			
CMod #038 STS Various CORs				52,553	
CMod #039 UMS Various CORs	23,271				
CMod #040 YBM Analytical Soil Test			3,655		
CMod #049 STS DSC CORs				136,728	
CMod #050 STS DSC CORs				67,036	
CMod #053 STS DSC CORs				17,035	
CMod #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		

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount Substantial Completion	\$839,676,400 6/29/2020			\$888,280,726 6/29/2020	COST REPORT NOTES
	UMS	CTS	YBM	STS	
CMod #086 YBM COR 1106			1,897		
CMod #1 BART Elevator Option 1 @ Pow	90,000				
CMod #10 YBM PCC 042			64,287		
CMod #100 UMS PCC 102 Fire & Life	48,149				
CMod #101 YBM COR 75 Slurry Wall			22,423		
CMod #102 STS PCC 410 ATCS Ext Cable				125,412	
CMod #103 UMS PCC 345 Lead Paint	221,766				
CMod #104 CTS Soil CMod Suppl CMOD19		1,621,173			
CMod #105 UMS Schedule Recovery	732,979				
CMod #106 CTS COR 1080 Acceleration		970,131			
CMod #107 YBM PCC 446 COR 1425			1,500,787		
CMod #108 STS Various Changes				50,400	
CMod #109 YBM 109 Various CORs			33,471		
CMod #11 UMS PCC 002	12,997				
CMod #110 UMS COR 251 770 779 781	118,911				
CMod #111 STS PCC 457 Traffic Signal				38,012	
CMod #112 UMS Various Changes	337,401				
CMod #113 STS Various Changes				103,369	
CMod #114 YBM Various CORs			99,028		
CMod #115 CTS Various Force Accounts		25,026			
CMod #116 UMS COR 034/CCC 004 Type B	627,081				
CMod #117 YBM Various PCCs			111,027		
CMOD #118 YBM Various PCCs & CORs			421,616		
CMod #12 STS Traffic Control				1,032,302	
CMod #123 CTS PCC 050 Chinatown Plaz		9,360,183			
CMod #13 CTS COR 006		57,707			
CMod #15 YBM COR 196			3,178		
CMod #16 UMS COR 184	8,261				
CMod #19 CTS COR 007, 026		2,274,225			
CMod #20 YBM PCC 047 and 45			364,562		
CMod #22 UMS PCC 045, 046	16,198				
CMod #23 UMS PCC 058	63,838				
CMod #3 CTS Work Safely Ard Power Po		25,956			
CMod #30 YBM Various CORs			334,165		
CMod #31 UMS COR 595	53,701				
CMod #32 YBM Various PCCs			92,934		

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount Substantial Completion	\$839,676,400 6/29/2020				\$888,280,726 6/29/2020	COST REPORT NOTES
	UMS	CTS	YBM	STS		
CMod #36 YBM Conflict with Waterline			14,484			
CMod #4 CTS-Force Account Change Or		130,000				
CMod #41 YBM Class 2 Conta. Material			40,250			
CMod #42 UMS Addl. Service Conduits	36,873					
CMod #43 UMS D85 Structural Pile	65,188					
CMod #44 UMS Grade 50 Steel	572,884					
CMod #46 YBM/CTS/UMS S.walk Hatches			35,489			
CMod #47 UMS Roof Deck Schedule	76,124					
CMod #48 UMS Undgrnd. Storage Tanks	97,817					
CMod #5 YBM Deletion of Comp Groutin			(1,833,869)			
CMod #51 YBM Various CORs and PCCs			24,875			
CMod #52 YBM Undgrnd. Storage Tanks			167,393			
CMod #54 UMS USG Underpinning	732,157					
CMod #55 YBM Archeological Discovery			102,734			
CMod #56 YBM Contaminated Material			106,923			
CMod #57 STS Crossover Materials				21,245		
CMod #58 STS DSC CORs				90,081		
CMod #59 CTS DSC CORs		66,592				
CMod #6 CTS Plaza Constr Supt Servi		75,000				
CMod #60 UMS USG Two Fuel Tanks	61,312					
CMod #61 YBM Various CORs			207,181			
CMod #62 UMS Wales and Waterproofing	277,714					
CMod #63 CTS DSC CORs		38,025				
CMod #64 STS DSC CORs and SFWD				52,570		
CMod #65 UMS Various CORs and PCCs	10,320					
CMod #66 STS Sewer Notching				66,949		
CMod #67 UMS Solar/Low-e Coating	23,290					
CMod #68 STS Various CORs				59,555		
CMod #69 UMS Various CORs	49,682					
CMod #70 YBM Various CORs			178,079			
CMod #71 UMS Haz and Asbestos Abate	81,907					
CMod #72 YBM COR 249. 566			74,694			
CMod #74 UMS PCC 39 12" Wtrln Reloc	336,236					
CMod #75 UMS COR 060 New 8" Wtr Line	58,672					
CMod #76 YBM COR 806 Gardril credits			(9,611)			
CMod #77 STS Various Changes				56,629		

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount Substantial Completion	\$839,676,400 6/29/2020				\$888,280,726 6/29/2020	COST REPORT NOTES
	UMS	CTS	YBM	STS		
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 #94 UMS Various Changes	46,057					
CMod #95 UMS Bart Elv Opt 2 Add Cost	400,000					
CMod #96 UMS Comp Grout Quantities	775,000					
CMod #97 STS COR 322 Tunnel Cleaning				399,000		
CMod #98 YBM PCC 76 AWSS SSFM			163,113			
CMod #99 UMS Various Changes	996,584					
CMod 073 - PCC 066 PB				96,516		
CMOD 24 STS PCC 23				108,053		
CMod#119: UMS: Various Changes PCC 110, 124, 127 190, 191, 247, and 429	131,687					
CMod#120: UMS: PCC 122R1 - UMS 1 1/2 inch Drain Piping Grout Details - Dowel Support	560,280					
CMod#121: YBM: Various Changes COR 825, 1359, 1610 and PCC 320R1			142,904			
CMod#7 STS FACOs 016, 017 & COR 009				80,170		
CMod#8 STS PCC 006 ATT MH, PB&Trench				225,208		
CTS CMod #122 Schedule Delay Costs		31,240,000				
STS CMod 045 PCC 008 Tunnel Lowering				107,285		
Grand Total	13,829,053	53,611,747	5,531,680	(11,052,369)		

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

Report Period: January 2020

		December 2019			January 2020				
Group by Contract & SCC	CATEGORY ITEM	December 2019 Base	December 2019 Allocated Contingency	December 2019 Base + Allocated Contingency (YOE)	January 2020 Base	January 2020 Allocated Contingency	January 2020 Base + Allocated Contingency (YOE)	BUDGET TRANSFERS [January 2020] vs. [December 2019]	Cost Report Notes
10-50	CONSTRUCTION CONTRACT PACKAGES	1,212,007,477	(25,481,035)	1,191,368,392	1,212,007,477	(25,481,035)	1,191,368,392	0	
1250	UTILITY RELOCATION PACKAGE #1	12,134,906		12,134,906	12,134,906		12,134,906	0	
	Contract 1250 Form B Credit	(2,275,419)		(2,275,419)	(2,275,419)		(2,275,419)	0	
1251	UTILITY RELOCATION PACKAGE #2	20,744,696		20,744,696	20,744,696		20,744,696	0	
	Contract 1251 Form B Credit	(7,618,412)		(7,618,412)	(7,618,412)		(7,618,412)	0	
1252	GUIDEWAY TUNNEL	233,511,253	0	233,511,253	233,511,253	0	233,511,253	0	32
	Contract 1252 Form B Credit	(254,050)		(254,050)	(254,050)		(254,050)	0	
1300	CN1300 STATIONS TOTAL	888,280,726	(26,641,035)	861,639,691	888,280,726	(26,641,035)	861,639,691	0	33
1253: UMS	UNION SQUARE/MARKET STREET STATION [UMS]	301,774,927	12,255,663	314,030,590	301,774,927	12,255,663	314,030,590	0	
	UMS 1253 Form B Credit	(528,370)		(528,370)	(528,370)		(528,370)	0	
1254: CTS	CHINA TOWN STATION [CTS]	299,767,627	(42,199,817)	257,567,810	299,767,627	(42,199,817)	257,567,810	0	
	CTS 1254 Form B Credit	(451,703)		(451,703)	(451,703)		(451,703)	0	
1255: YBM	YERBA BUENA/ MOSCONE STATION [YBM]	161,330,425	1,758,576	163,089,001	161,330,425	1,758,576	163,089,001	0	
	YBM 1255 Form B Credit	(100,000)		(100,000)	(100,000)		(100,000)	0	
1256: STS	SURFACE TRACKWORK & SYSTEMS [STS]	125,407,747	1,544,543	126,952,290	125,407,747	1,544,543	126,952,290	0	
	STS 1256 SFPUC SEWER MAIN CREDIT	(2,925,296)		(2,925,296)	(2,925,296)		(2,925,296)	0	
	STS 1256 Form B Credit	(1,000,000)		(1,000,000)	(1,000,000)		(1,000,000)	0	
OTHER	OTHER CONSTRUCTION TOTAL	77,331,096	1,160,000	78,491,096	77,331,096	1,160,000	78,491,096	0	
40.06	PUBLIC ART PROGRAM	8,175,555	1,160,000	9,335,555	8,175,555	1,160,000	9,335,555	0	
40.08	CN1300 JOB READINESS PROGRAM - OUTREACH	1,060,000		1,060,000	1,060,000		1,060,000	0	33
40.02	MISC. CONSTR CONTRCT WK (TRACTION POWER FOR 1251)	258,202		258,202	258,202		258,202	0	
40.01	CONTRACT 1300 SOIL PROCESS	500,000		500,000	500,000		500,000	0	34
50.01	THALES T&S ATCS	487,972		487,972	487,972		487,972	0	
50.01	CN1266-2 Advanced Train Control System (ATCS) - Implementation	14,611,285		14,611,285	14,611,285		14,611,285	0	34a
50.01	CN1266-1 Advanced Train Control System (ATCS) - Equipment	3,425,424		3,425,424	3,425,424		3,425,424	0	34a
50.06	MTA FARE COLLECTION EQUIPMENT	5,400,000		5,400,000	5,400,000		5,400,000	0	
50.06	BART FARE COLLECTION EQUIPMENT	700,000		700,000	700,000		700,000	0	

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

Report Period: January 2020

		December 2019			January 2020				
Group by Contract & SCC	CATEGORY ITEM	December 2019 Base	December 2019 Allocated Contingency	December 2019 Base + Allocated Contingency (YOE)	January 2020 Base	January 2020 Allocated Contingency	January 2020 Base + Allocated Contingency (YOE)	BUDGET TRANSFERS [January 2020] vs. [December 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	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: January 2020

		December 2019			January 2020				
Group by Contract & SCC	CATEGORY ITEM	December 2019 Base	December 2019 Allocated Contingency	December 2019 Base + Allocated Contingency (YOE)	January 2020 Base	January 2020 Allocated Contingency	January 2020 Base + Allocated Contingency (YOE)	BUDGET TRANSFERS [January 2020] vs. [December 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	1,590,697,994	(24,122,613)	1,571,417,331	1,590,697,994	(24,122,613)	1,571,417,331	0	37
90	UNALLOCATED CONTINGENCIES			6,882,672			6,882,672	0	38
	TOTAL PROJECT COST 10 TO 100			1,578,300,003			1,578,300,003		
	TOTAL CONTINGENCY			(17,239,941)			(17,239,941)		
	CONTINGENCY MINIMUM			25,000,000			25,000,000		
	BELOW OR ABOVE MINIMUM			(42,239,941)			(42,239,941)		

COST STATUS BY CATEGORY	SCC CODES	Sum of Supplemental 2013 Budget	BUDGET December 2019	BUDGET TRANSFERS	BUDGET January 2020	Sum of January 2020	Remaining Budget (Column H-Column I)	January 2020 EAC	January 2020 Contingency	Cost Report Notes
		A	B	C	D	E	F	G	H	
GUIDEWAY & TRACK ELEMENTS	SCC 010	282,227,872	284,261,448	-	284,261,448	282,123,157	2,138,292	284,925,639	0	39
STATIONS, STOPS, TERMINALS, INTERMODAL	SCC 020	573,099,645	541,663,144	-	541,663,144	522,440,815	19,222,329	574,946,648	(26,641,035)	39
SITework & SPECIAL CONDITIONS	SCC 040	235,514,097	264,806,024	-	264,806,024	263,720,836	1,085,188	265,261,242	1,160,000	39
SYSTEMS	SCC 050	90,774,397	100,637,776	-	100,637,776	67,437,543	33,200,233	105,031,683		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	189,974,986	9,260,594	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	-	1,578,300,000	1,488,511,153	89,788,847	1,608,855,729	(17,239,941)	

SCC DESCRIPTION	January 2020 BUDGET	January 2020 CTD
010 - GUIDEWAY & TRACK ELEMENTS	284,261,448	282,123,157
020 - STATIONS, STOPS, TERMINALS, INTERMODAL	541,663,144	522,440,815
040 - SITEWORK & SPECIAL CONDITIONS	264,806,024	263,720,836
050 - SYSTEMS	100,637,776	67,437,543
070 - VEHICLES (number)	16,800,000	11,929,247
080 - PROFESSIONAL SERVICES (applies to Cats. 10-50)	331,002,618	310,210,587
090 - UNALLOCATED CONTINGENCY	6,882,669	
Grand Total	1,578,300,000	1,488,511,153

SCC DESCRIPTION	January 2020 BUDGET	January 2020 CTD
010.02-Guideway: At grade semi-exclusive (allows cross-traffic)	2,860,000	2,855,000
010.06-Guideway: Underground cut & cover	69,816,407	68,942,651
010.07-Guideway: Underground tunnel	200,374,315	199,134,211
010.09-Track: Direct fixation	6,761,089	6,741,658
010.12-Track: Special (switches, turnouts)	4,449,637	4,449,637
020.01-At-grade station, stop, shelter, mall, terminal, platform	7,602,857	6,007,247
020.02-Aerial station, stop, shelter, mall, terminal, platform	1,544,543	0
020.03-Underground station, stop, shelter, mall, terminal, platform	500,843,668	498,121,805
020.04-OTHER STATIONS, LANDING, TERMINALS: INTERMODAL, FERRY, TROLLEY, ETC	9,360,183	0
020.07-Elevators, escalators	22,311,892	18,311,763
040.01-Demolition, Clearing, Earthwork	12,754,615	12,495,015
040.02-Site Utilities, Utility Relocation	68,753,443	78,271,649
040.03-Haz. mat'l, contam'd soil removal/mitigation, ground water treatments	9,423,125	9,115,789
040.04-Environmental mitigation, e.g. wetlands, historic/archeologic, parks	1,122,899	988,834
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	5,114,747
040.07-Automobile, bus, van accessways including roads, parking lots	6,579,099	6,395,653
040.08-Temporary Facilities and other indirect costs during construction	153,675,418	148,632,717
050.01-Train control and signals	28,291,363	26,958,730
050.02-Traffic signals and crossing protection	12,804,956	12,032,441
050.03-Traction power supply: substations	21,465,073	18,409,271
050.04-Traction power distribution: catenary and third rail	12,441,113	2,825,247
050.05-Communications	16,920,685	5,723,486
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	79,361,410
080.04-Construction Administration & Management	116,991,299	110,613,575
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
999.99-ERROR: UNDISTRIBUTED BUDGET	0	
Grand Total	1,578,300,000	1,488,511,153

[A] Cost Account Description	[B] January 2020 Budget (YOE)	ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
		[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total		
TOTAL PRELIMINARY ENGINEERING	46,542,061	46,542,061	0	0	46,542,061	0	40
11 - SFMTA PROJECT MANAGEMENT	8,800,164	8,253,957	0	0	8,253,957	546,208	41
12 - SFMTA ENGINEERING SERVICES	11,425,594	11,425,594	0	0	11,425,594	0	42
16 - DEPARTMENT OF PARKING AND TRAFFIC (DPT)	921,906	802,883	0	0	802,883	119,023	
21 - ARTS COMMISSION	1,500,570	1,500,570	0	0	1,500,570	0	43
22 - FIRE DEPARTMENT	33,825	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 (CAPITAL)	17,462	17,462	0	0	17,462	0	
36 - DPW - BSM INFRASTRUCTURE (MAPPING)	76,549	76,549	0	0	76,549	0	
39 - DPW - PCS SITE ASSESSMENT & REMEDIATION (SAR)	13,993	13,993	0	0	13,993	0	
51 - 821 HOWARD STREET	1,005,653	1,005,653	0	0	1,005,653	0	
55 - 651 BRANNAN	2,294,910	2,294,910	0	0	2,294,910	0	45
63 - CENTRAL SUBWAY PARTNERSHIP - AECOM-EPC JV CONTRACT 149	26,793,234	26,793,234	0	0	26,793,234	0	46
66 - ANIL VERMA	395,204	395,204	0	0	395,204	0	47
67 - HILL INTERNATIONAL CONTRACT 156	6,716,294	6,716,294	0	0	6,716,294	0	48
68 - ARTHUR GALLAGER & CO. CS 164	6,800,000	6,340,196	0	0	6,340,196	459,804	
71 - TUNNEL/UTILITIES - CONTRACT # CONTRACT 155-1	5,469,336	5,469,336	0	0	5,469,336	0	49
72 - STATIONS - CONTRACT # CONTRACT 155-2	26,220,609	26,220,609	0	0	26,220,609	0	50
73 - SYSTEMS/INTEGRATION - CONTRACT 155-3	11,432,312	11,432,312	0	0	11,432,312	0	51
331 - BAY AREA RAPID TRANSIT (BART)	146,427	146,427	0	0	146,427	0	
332 - SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY (SFCTA)	0	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	15,909,684	139,723	393,560	16,303,245	196,755	
1.3.011.01.080.03 - CM:SFMTA LABOR-PROJECT MANAGEMENT	16,500,000	15,909,684	139,723	393,560	16,303,245	196,755	
12 - SFMTA ENGINEERING SERVICES	2,923,582	2,831,713	9,259	19,523	2,851,236	72,346	
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	2,774,065	9,259	19,523	2,793,588	6,412	
13 - SFMTA CONSTRUCTION MANAGEMENT	25,432,035	22,111,164	164,521	416,082	22,527,245	2,904,789	
1.3.013.01.080.04 - CM:SFMTA LABOR-CONSTR. MANAGEM	25,432,035	22,111,164	164,521	416,082	22,527,245	2,904,789	
16 - DEPARTMENT OF PARKING AND TRAFFIC (DPT)	3,659,313	2,634,616	6,093	26,832	2,661,448	1,613,856	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT UMS	299,600	314,924	1,669	3,367	318,291	(18,691)	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT CTS	274,900	138,701	2,448	4,115	142,816	132,084	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT YBM	238,400	212,506	1,976	6,026	218,532	19,868	

[A] Cost Account Description	[B] January 2020 Budget (YOE)	ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
		[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total		
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT STS	876,876	269,211	0	13,324	282,536	594,340	
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	
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	0	0	163,405	(163,405)	
1.3.016.05.040.08 - PCOS:1300/YBM [68CPT544132Y.CPT544132Y]	0	207,537	0	0	207,537	(207,537)	
1.3.016.09.040.08 - PCOS:1300/STS [68CPT544132Z.CPT544132Z]	0	245,049	0	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	0	0	104,500	235,063	
1.3.018.04.040.02 - OPS:SUPPORT TO CONTRACT 1300/CTS	100,000	36,749	0	0	36,749	63,251	
1.3.018.06.080.07 - OPS:SUPPORT TO CONTRACT 1300 - UMS O/L	50,255	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 DUR	848,200	817,966	0	0	817,966	30,234	
21 - ARTS COMMISSION	12,010,886	5,917,057	55,430	69,549	5,986,605	6,024,281	
1.3.021.01.040.06 - ARTS:CTYCO-ARTS COMMISSION CONSTRUCTION COS	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.CPT	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	864,791	13,350	6,643	871,434	(37,170)	
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [PWA335MPFUNA.CPT	10,149	11,093	0	0	11,093	(944)	
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [PWE335MPFUNA.CPT	4,439	4,439	0	0	4,439	0	
1.3.021.06.040.06 - ARTS:CTYCO-ARTS COMMISSION [68CPT5441327.CPT544	1,393,660	1,393,660	0	0	1,393,660	0	
1.3.021.06.040.06 - ARTS:CTYCO-ARTS COMMISSION [285MCPFUNA.CPT544	3,011,963	3,242,442	42,080	62,906	3,305,348	(293,385)	
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [132J]	86,091	0	0	0	0	86,091	
1.3.021.97.040.06 - ARTS:ARTS COMMISSION ALLOC CO	1,160,000	0	0	0	0	1,160,000	
23 - CITY ATTORNEY'S OFFICE	2,171,781	2,125,634	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	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	4,126,395	0	39,714	4,166,108	75,904	
1.3.028.02.040.02 - CM:CTYCO-PUBLIC UTIL COMM. (PUC)	0	4,745	0	0	4,745	(4,745)	

[A] Cost Account Description	[B] January 2020 Budget (YOE)	ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
		[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total		
1.3.028.02.040.08 - 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	493,130	0	138	493,268	(42,986)	
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 [3]	0	0	0	39,576	39,576	(39,576)	
1.3.028.08.040.02 - PUC:PUC CDD WATER CONNECTION CONTRACT 1251 [4]	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	546,574	775	5,912	552,486	669,628	
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	0	3,782	127,548	170,390	
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	1,266	58,932	242,950	
1.3.032.06.080.04 - 1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112B112]	85,275	85,275	0	0	85,275	0	53
1.3.032.06.080.04 - 1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112C112]	109,658	109,658	0	0	109,658	0	54
1.3.032.06.080.04 - 1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112D112]	15,791	15,791	0	0	15,791	0	55
1.3.032.06.080.04 - 1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112E112]	11,193	11,193	0	0	11,193	0	56
1.3.032.06.080.04 - 1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112F112]	107,798	107,798	0	0	107,798	0	57
1.3.032.06.080.04 - 1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112G112]	21,690	47,917	0	0	47,917	(26,227)	58
1.3.032.08.080.04 - DPW.HYRDDPW-BOE IDC ENG SVC DC	9,000	0	0	0	0	9,000	
1.3.032.09.080.04 - DPW IDC HYDRAULIC CN1300 STS SUPPOR	180,000	250,790	775	864	251,654	(71,654)	
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	

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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) – CN125	18,632	16,880	0	0	16,880	1,753	
1.3.039.02.080.04 - DPW: SITE ASSESSMENT & REMEDIATION (SAR) – CN130	41,379	24,761	0	0	24,761	16,618	
46 - MACY'S WEST - SFPUC SEWER WORK	258,202	258,202	0	0	258,202	0	
1.3.046.08.040.02 - MCY.SWRC. CONTRACT: MACY'S-SEW	258,202	258,202	0	0	258,202	0	
51 - 821 HOWARD STREET	770,843	643,591	3,842	480	644,071	126,772	
1.3.051.01.080.03 - ODC.HWRD:ODCs - 821 HOWARD STR	696,753	607,316	3,593	0	607,316	89,437	
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	24,296	249	480	24,777	30,223	
1.3.051.06.080.04 - ODC.HWRD:W/MTA INST WTR SVC @ STS&YBM TRAIL	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	59,752,667	(616,814)	1,115,438	60,868,105	4,852,082	
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	5,568,022	(7,672,187)	0	5,568,022	1,742,162	
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3I][PM]	2,590,785	1,392,006	(1,918,047)	0	1,392,006	1,198,779	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3j]	7,000,000	6,636,831	6,636,831	652,351	7,289,183	(289,183)	
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3j][PM]	2,000,000	1,659,208	1,659,208	163,088	1,822,296	177,704	
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	677,381	677,381	299,998	977,380	2,022,620	

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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	0	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. [1330]	127,261	127,261	0	0	127,261	0	
1.3.067.01.080.03 - HILL INTERNATIONAL CS156 AWP 2016 [68CPT5441340.C	883,631	883,631	0	0	883,631	(0)	
1.3.067.01.080.03 - HILL INTERNATIONAL CS156 AWP 2017 [68CPT5441346.C	566,925	446,457	0	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	130,295	2,229,169	(70,323)	
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	130,295	2,316,371	(157,525)	
72 - STATIONS - CONTRACT # CONTRACT 155-2	14,612,416	19,195,014	854,251	292,268	19,487,282	(4,874,866)	
1.3.072.01.080.04 - CM: CS155.2 DESIGN SUPPORT DURING CM [1233]	51,351	59,497	551	0	59,497	(8,146)	64
1.3.072.01.080.04 - CM: CS155.2 DESIGN SUPPORT DURING CM [1333]	14,561,065	19,135,518	853,700	292,268	19,427,786	(4,866,721)	
73 - SYSTEMS/INTEGRATION - CONTRACT 155-3	4,828,269	5,003,037	291,463	128,177	5,131,214	(302,945)	
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	4,913,246	291,463	128,177	5,041,423	(303,154)	
81 - UTILITIES RELOCATION #1 (PORTAL & MOS) - CONTRACT 1250	11,968,150	11,968,150	0	0	11,968,150	0	
1.3.081.07.040.01 - UR1.CONTRACT 1250:SITWORK: DEMOLIT	167,458	167,458	0	0	167,458	0	
1.3.081.07.040.02 - UR1.CONTRACT 1250:SITWORK: UTILITI	10,099,341	10,099,341	0	0	10,099,341	0	
1.3.081.07.040.03 - UR1.CONTRACT 1250:SITWORK:HAZMAT	453,321	453,321	0	0	453,321	0	
1.3.081.07.040.08 - UR1.CONTRACT 1250:SITWORK:TEMPORAR	1,248,030	1,248,030	0	0	1,248,030	0	
82 - UTILITIES RELOCATION #2 (UMS) - CONTRACT 1251	20,669,081	20,669,081	0	0	20,669,081	(0)	65
1.3.082.08.040.01 - UR2.CONTRACT 1251:SITWORK: DEMOLIT	752,240	752,240	0	0	752,240	0	
1.3.082.08.040.02 - UR2.CONTRACT 1251:SITWORK:UTILITI	10,202,543	10,202,543	0	0	10,202,543	(0)	
1.3.082.08.040.03 - UR2.CONTRACT 1251:SITWORK:HAZMAT	172,712	172,712	0	0	172,712	0	
1.3.082.08.040.05 - UR2.CONTRACT 1251:SITWORK: STRUCTU	2,706,431	2,706,431	0	0	2,706,431	0	
1.3.082.08.040.06 - UR2.CONTRACT 1251:SITWORK:PEDESTRA	319,317	319,317	0	0	319,317	0	
1.3.082.08.040.07 - UR2.CONTRACT 1251:SITWORK:AUTO/BUS	190,362	190,362	0	0	190,362	0	
1.3.082.08.040.08 - UR2.CONTRACT 1251:SITWORK:TEMP FAC	6,325,476	6,325,476	0	0	6,325,476	0	
GUIDEWAY TUNNELS TOTAL	233,511,253	233,511,253	0	0	233,511,253	0	
83 - GUIDEWAY TUNNELS - CONTRACT # 1252 BASE	233,584,015	233,584,015	0	0	233,584,015	0	66
1.3.083.02.010.06 - CONTRACT 1252:GUIDEWAY:UNDERGRN'D CUT	60,446,425	60,446,425	0	0	60,446,425	0	
1.3.083.02.010.07 - CONTRACT 1252:GUIDEWAY:UNDERGROUND	105,423,090	105,423,090	0	0	105,423,090	0	
1.3.083.02.020.03 - CONTRACT 1252: STATIONS: UNDERGROUND	21,685,000	21,685,000	0	0	21,685,000	0	
1.3.083.02.040.01 - CONTRACT 1252:SITWORK:DEMO CLEARING	2,440,000	2,440,000	0	0	2,440,000	0	
1.3.083.02.040.02 - CONTRACT 1252:SITWORK:UTILITIES & RE	10,895,000	10,895,000	0	0	10,895,000	0	
1.3.083.02.040.03 - CONTRACT 1252:SITWORK:HAZMAT&MITIGAT	200,000	200,000	0	0	200,000	0	

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1.3.083.02.040.04 - CONTRACT 1252:SITWORK:ENVIRON. MITIG	300,000	300,000	0	0	300,000	0	
1.3.083.02.040.06 - CONTRACT 1252:SITWORK:PED/BIKE ACCES	50,000	50,000	0	0	50,000	0	
1.3.083.02.040.07 - CONTRACT 1252:SITWORK:AUTO/BUS ACCES	1,345,000	1,345,000	0	0	1,345,000	0	
1.3.083.02.040.08 - CONTRACT 1252:SITWORK:TEMP FACILITIE	30,799,500	30,799,500	0	0	30,799,500	0	
83 - GUIDEWAY TUNNELS - CONTRACT # 1252 CMODs	(72,762)	(72,762)	0	0	(72,762)	0	67
1.3.083.83.010.06 - CONTRACT 1252: CONTRACT MOD	112,251	112,251	0	0	112,251	0	
1.3.083.83.010.07 - CONTRACT 1252: CONTRACT MOD	1,810,094	1,810,094	0	0	1,810,094	0	
1.3.083.83.020.03 - CONTRACT 1252: CONTRACT MOD	1,004,156	1,004,156	0	0	1,004,156	0	
1.3.083.83.040.02 - CONTRACT 1252: CONTRACT MOD	1,035,588	1,035,588	0	0	1,035,588	(0)	
1.3.083.83.040.03 - CONTRACT 1252: CONTRACT MOD	453,475	453,475	0	0	453,475	0	
1.3.083.83.040.08 - CONTRACT 1252: CONTRACT MOD	(4,488,326)	(4,488,326)	0	0	(4,488,326)	0	
CONTRACT 1300 - STATIONS, TRACKWORK AND SYSTEMS TOTAL	861,639,691	807,742,867	7,266,700	12,866,511	820,609,378	41,030,313	69
84 - UNION SQUARE/MARKET STREET STATION (UMS) - WORK PACKAGE	294,030,590	279,158,745	1,509,002	2,562,544	281,721,289	12,309,301	21
1.3.084.03.020.03 - UMS.1253: UNDERGROUD STATION	253,081,452	241,637,280	707,920	2,504,102	244,141,382	8,940,070	
1.3.084.03.020.07 - UMS.1253: ELEVATORS ESCALATOR	9,465,694	8,771,398	47,679	11,920	8,783,318	682,376	
1.3.084.03.040.01 - UMS.1253: DEMOLITION CLEARING	6,071,588	6,071,588	0	0	6,071,588	0	
1.3.084.03.040.02 - UMS.1253: SITE UTILITIES UTIL	4,360,395	4,345,463	431,475	14,932	4,360,395	0	
1.3.084.03.040.03 - UMS.1253: HAZARDOUS MATERIALS	550,000	403,902	0	0	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	1,073,634	0	0	1,073,634	84,776	
1.3.084.03.040.08 - UMS.1253: TEMPORARY FACILITIES	11,139,701	10,188,294	(3,355)	0	10,188,294	951,407	
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	870,284	0	18,750	889,034	926,500	
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	695,647	325,283	12,840	708,487	425,827	
84 - UNION SQUARE/MARKET STREET STATION (UMS) CMODs	7,744,337	7,257,208	0	0	7,257,208	487,129	
1.3.084.84.020.03 - CMOD:UMS.1253: UNDERGROUD STATION	1,832,330	1,809,040	0	0	1,809,040	23,290	
1.3.084.84.020.07 - CMOD:UMS.1253: ELEVATORS, ESCALATORS	490,000	90,000	0	0	90,000	400,000	
1.3.084.84.040.01 - CMOD:UMS.1253: DEMOLITION CLEARING	944,987	944,987	0	0	944,987	0	
1.3.084.84.040.02 - CMOD:UMS.1253: SITE UTILITIES UTIL	3,270,038	3,206,200	0	0	3,206,200	63,838	
1.3.084.84.040.03 - CMOD:UMS.1253: HAZARDOUS MATERIALS	349,730	349,730	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	222,719,162	1,742,890	2,433,229	225,152,391	22,415,419	
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	113,348,736	1,742,272	2,101,874	115,450,610	17,550,443	
1.3.085.04.020.07 - CTS.1254: ELEVATORS ESCALATOR	6,812,856	4,547,104	136,705	150,374	4,697,478	2,115,378	
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	0	0	286,743	63,257	

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1.3.085.04.040.04 - CTS.1254: ENVIRONMENTAL MITIGA	325,665	120,631	(177,943)	88,971	209,602	116,063	
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	115,008	21,377	15,000	130,008	95,669	
1.3.085.04.040.08 - CTS.1254: TEMPORARY FACILITIES	16,571,322	16,411,190	(150,000)	0	16,411,190	160,132	
1.3.085.04.050.02 - CTS.1254: TRAFFIC SIGNALS AND	1,599,593	1,592,755	10,875	0	1,592,755	6,838	
1.3.085.04.050.03 - CTS.1254: TRACTION POWER SUPPL	4,063,927	3,347,277	98,700	0	3,347,277	716,650	
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	812,183	60,904	77,010	889,193	769,745	
85 - CHINATOWN STATION (CTS) CMODs	52,199,817	42,257,535	0	0	42,257,535	9,942,282	71
1.3.085.85.020.03 - CMOD:CTS.1254: UNDERGROUND STATION	1,201,478	1,126,478	0	0	1,126,478	75,000	
1.3.085.85.020.04 - CMOD:CTS.1254: OTHER STATIONS, LANDING, TERMINALS: INTERMODAL, FERRY, TROLLEY, ETC	9,360,183	0	0	0	0	9,360,183	
1.3.085.85.020.07 - CMOD:CTS.1254: ELEVATORS ESCALATOR	0	0	0	0	0	0	
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	(42,199,816)	0	0	0	0	(42,199,816)	72
86 - YERBA BUENA MOSCONE STATION (YBM) - WORK PACKAGE 1255	158,089,000	147,623,981	1,059,901	1,766,157	149,390,138	8,698,862	
1.3.086.05.020.03 - YBM.1255: UNDERGROUND STATION	118,405,840	112,641,412	1,001,758	1,445,790	114,087,202	4,318,638	
1.3.086.05.020.07 - YBM.1255: ELEVATORS ESCALATOR	5,333,287	4,378,126	0	194,445	4,572,571	760,716	
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	7,162,276	4,125	0	7,162,276	1,002	
1.3.086.05.040.03 - YBM.1255: HAZARDOUS MATERIALS	2,629,439	2,512,857	0	18,750	2,531,607	97,832	73
1.3.086.05.040.04 - YBM.1255: ENVIRONMENTAL MITIGA	100,000	82,998	0	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	1,517,378	2,000	22,347	1,539,725	3,000	
1.3.086.05.040.08 - YBM.1255: TEMPORARY FACILITIES	15,564,753	13,155,647	0	0	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	2,736,474	0	0	2,736,474	971,951	
1.3.086.05.050.04 - YBM.1255: TRACTION POWER DISTR	0	0	0	0	0	0	
1.3.086.05.050.05 - YBM.1255: COMMUNICATIONS	1,241,096	1,055,820	52,018	84,825	1,140,645	100,451	
86 - YERBA BUENA MOSCONE STATION (YBM) CMODs	3,241,425	2,684,552	0	0	2,684,552	556,873	
1.3.086.86.020.03 - CMOD:YBM.1255: UNDERGROUND STATION	(1,182,064)	(1,182,064)	0	0	(1,182,064)	0	
1.3.086.86.020.07 - CMOD:YBM.1255: ELEVATORS ESCALATOR	210,055	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	3,067,636	0	0	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	
1.3.086.86.040.05 - CMOD:YBM.1255: SITE STRUCTURES INCLUDING WALLS	0	0	0	0	0	0	
1.3.086.86.040.06 - CMOD:YBM.1255: PEDESTRIAN/BIKE	35,489	29,921	0	0	29,921	5,568	
1.3.086.86.040.08 - CMOD:YBM.1255: TEMPORARY FACILITIES	87,715	87,715	0	0	87,715	0	

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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	102,992,463	2,952,677	6,104,581	109,097,044	30,891,956	
1.3.087.09.010.02 - STS.1256: GUIDEWAY: AT-GRADE SEMI-EXCLUSIVE (ALL)	2,860,000	2,855,000	0	0	2,855,000	5,000	
1.3.087.09.010.06 - STS.1256: GUIDEWAY: UNDERGROUND CUT & CVR	9,257,731	6,281,268	46,787	2,102,707	8,383,975	873,756	
1.3.087.09.010.07 - STS.1256: GUIDEWAY: UNDERGROUN	16,723,552	15,285,240	38,500	198,208	15,483,448	1,240,104	
1.3.087.09.010.09 - STS.1256: TRACK DIRECT FIXATION	6,761,089	6,741,658	7,500	0	6,741,658	19,432	
1.3.087.09.010.12 - STS.1256: TRACK: SPECIAL	4,449,637	4,449,637	0	0	4,449,637	0	
1.3.087.09.020.01 - STS.1256: AT-GRADE STATION	7,602,857	5,692,972	413,153	314,275	6,007,247	1,595,610	
1.3.087.09.040.02 - STS.1256: SITE UTILITIES, UTILITY RELOCA	17,464,046	14,665,379	10,000	0	14,665,379	2,798,667	
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	2,116,924	25,000	0	2,116,924	1	
1.3.087.09.040.08 - STS.1256: TEMPORARY FACILITIES	13,896,832	11,914,817	(52,557)	20,000	11,934,817	1,962,014	
1.3.087.09.050.01 - STS.1256: TRAIN CONTROL AND SIGNALS	27,543,451	16,142,893	2,037,940	2,826,749	18,969,642	8,573,809	
1.3.087.09.050.02 - STS.1256: TRAFFIC SIGNALS AND	4,463,368	3,722,618	33,491	0	3,722,618	740,750	
1.3.087.09.050.03 - STS.1256: TRACTION POWER SUPPL	9,889,014	7,119,297	315,569	444,890	7,564,187	2,324,827	
1.3.087.09.050.04 - STS.1256: TRACTION POWER DISTRIBUTION	6,099,675	2,303,033	37,324	110,012	2,413,045	3,686,630	
1.3.087.09.050.05 - STS.1256: COMMUNICATIONS	7,996,237	2,592,490	39,970	87,740	2,680,230	5,316,007	
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)	3,049,221	2,230	0	3,049,221	(17,630,474)	
1.3.087.89.040.01 - CMOD:STS.1256: DEMOLITION, CLEARING, EARTHWORK	399,000	399,000	0	0	399,000	0	
1.3.087.89.040.02 - CMOD:STS.1256: SITE UTILITIES, UTILITY RELOCA	1,482,322	1,345,796	2,230	0	1,345,796	136,526	
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	1,052,902	0	0	1,052,902	645	
1.3.087.89.050.01 - CMOD:STS.1256: TRAIN CONTROL	(17,776,769)	13,304	0	0	13,304	(17,790,073)	
1.3.087.89.050.02 - CMOD:STS.1256: TRAFFIC SIGNALS AND	242,427	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	945,949	54,626	40,663	986,612	1,448,451	
1.3.088.06.080.04 - CN1300 CONSTRUCTION TRAILER [68CPT5441316.CPT544	80,000	0	0	0	0	80,000	
1.3.088.06.080.04 - DT-CN1300 COMMUNICATIONS INSTALL [68CPT5441317.	1,430,594	354,818	343,778	0	354,818	1,075,776	
1.3.088.06.080.04 - MTA Communications - Business Liaison to support CN1300 CO	420,000	185,086	(158,692)	40,663	225,749	194,251	
1.3.088.06.080.04 - IT-CN1300 Installation [68CPT5441319.CPT5441319]	448,371	365,410	194,315	0	365,410	82,961	
1.3.088.06.080.04 - CN1300 Installation Maintenance [68CPT5441320.CPT5441320	25,000	0	(365,410)	0	0	25,000	
1.3.088.06.080.04 - DT Support - Stations [68CPT544135.CPT5441325]	31,098	40,635	40,635	0	40,635	(9,537)	
141 - CONSTRUCTION ADMINISTRATION	0	0	0	0	0	0	
1.3.141.97.080.04 - CONSTR.ADMIN:ALLOC CONTING	0	0			0	0	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	0	0	1,358,422	
151 - TEMPORARY LICENSE AGREEMENT	17,000	0	0	0	0	17,000	

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1.3.151.01.080.06 - TEMP.LICPORARY LICENSE AGREEME	17,000	0	0	0	0	17,000	
170 - COMMUNICATIONS CONNECTIONS	10,599,579	256,780	224,683	0	256,780	10,342,799	
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	256,780	224,683	0	256,780	385,170	
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	106,179	56,179	7,869,605	7,975,784	10,548,897	
1.3.192.01.050.01 - THALES T&S ATCS	487,972	106,179	56,179	0	106,179	381,793	
1.3.192.01.050.01 - CN1266-2 Advanced Train Control System (ATCS) - Implementa	14,611,285	0	0	4,957,994	4,957,994	9,653,291	
1.3.192.01.050.01 - CN1266-1 Advanced Train Control System (ATCS) - Equipment	3,425,424	0	0	2,911,610	2,911,610	513,814	
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	0	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	0	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	0	0	2,569,222	556,000	
1.3.302.09.050.03 - PGE POWER FEED STS	11,839	0	0	0	0	11,839	
331 - BAY AREA RAPID TRANSIT (BART)	951,356	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 REIMBURSEMEN	(528,370)	0			0	(528,370)	77
1.3.491.04.040.02 - FORMB - CTS:CONTRACT 1300 UTILITY REIMBURSEMEN	(451,703)	0			0	(451,703)	78
1.3.491.05.040.02 - FORMB - YBM:CONTRACT 1300 UTILITY REIMBURSEMEN	(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 REIMBURSEMEN	(1,000,000)	0			0	(1,000,000)	83
TOTAL CONSTRUCTION PHASE	1,360,858,865	1,262,131,221	8,510,732	23,414,608	1,285,545,829	74,491,793	
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	
1.4.091.97.070.01 - LRVA:AC: VEHICLES ALLOC CONTI	0					0	26
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	
1.5.015.97.060.01 - RE:A:AC: RE: REAL ESTATE ALLO	0	0			0	0	
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	

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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	1,465,096,545	8,510,732	23,414,608	1,488,511,153	88,967,604	

Connecting people. Connecting communities.

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

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

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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.

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37	<p>In October 2016 report, 1252 program contingency increased by \$319,658 due to execution of three contract modifications as credit offsets. In November 2016 report, took away \$75,000 funding from program's unallocated contingency and moved to CTS allocated contingency. In February 2017 report, initiated budget from program unallocated contingencies for CN1300 Job Readiness Program. CN1300 Job Readiness Program budget was part of CN1300 base value, a deduction contract modification will lower CN1300 contract value. Also released \$5,265,478 assigned real estate contingency to program unallocated contingency. In June 2017, initiated budget from Contract 1251's contract value (true final administrative close out cost) to program unallocated contingency, a deduction contract modification that lowered CN1251's contract value by \$125,501. In March 2018 report, 1252 program contingency increased by \$131,715 due to execution of two contract modifications as credit offsets. In July 2018, increased SCC category Professional Services in 80.04 Construction Management by \$2,263,498 by reducing program unallocated contingency. In August 2019, increased SCC category Other Construction in 50.05 CSP Radio by \$4,841,950 by reducing program unallocated contingency.</p>
38	<p>In April 2015 report, program contingency decreased by \$500,000. In August 2015 report, release \$15M CN1252 Tunnel assigned contingency to program unallocated contingency. In March 2016 report, released \$155,468 from Contract 1252 Tunnel assigned contingency and \$75,000 from Contract 1300 Stations assigned contingency totaling \$230,956. In August 2016, released a total of \$20M unassigned contingency to assigned contingency; \$15M to CN1300 UMS station and \$5M to CTS station. In February 2017 report, initiated budget from program unallocated contingencies for CN1300 Job Readiness Program. CN1300 Job Readiness Program budget was part of CN1300 base value, a deduction contract modification will lower CN1300 contract value. Also released \$5,265,478 assigned real estate contingency to program unallocated contingency. In July 2017, increased program unallocated contingency by \$125,501 due to CN1251's revised contract value. In July 2018, reduced program unallocated contingency by \$2,263,498 to fund additional costs for SCC category Professional Services in 80.04 Construction Management. In December 2018, reallocated CN1252 budget of 2,402,247 (due to closeout cmod reduction of 1,435,816 and contingency release of 966,430) and LRV budget contingency of 9,585,653 and released a total of 11,987,900 to unprogrammed contingency. In August 2019, reduced program contingency by \$4,841,950 to fund additional costs for SCC category Other Construction in 50.05 to fund CSP Radio related services.</p>
<p>7.7 Budget Expenditures by SCC Codes</p>	
39	<p>In March 2017, added new columns for "Supplemental 2013 Budget" and "Remaining Budget". In April, added new column for "Contingency". In May 2017, added new column for "Report Note". In May 2017, breakdown the combined SCC codes 10 to 50 into individual row for 10, 20, 40, 50 categories. Assigned SCC code to all CN1300 potential changes. Contract 1300 Station assigned contingency SCC are 20.01 and 20.03. The budget transfer is using assigned contingency to process contract modifications. In June 2017, adjusted and realigned SCC codes. In July 2018, the budget transfer is using SCC 90 program unallocated contingency to process an increase in budget for category SCC 80.03-90.04 PM For Design & Construction. In March 2019, added \$18,036,709 from taking out the ATCS from Tutor contract. The budget transfer was used to create a stand alone line for ATCS work in 50.01 under Thales.</p>
<p>7.9 Detail Monthly Expenditure Report</p>	
<p>Phase 1 Preliminary Engineering</p>	
40	<p>In February 2017, line item budget was adjusted to line-up expenditures. Famis cost for Preliminary Engineering (PE) is \$48,210,903.71. Cost Report for Preliminary Engineering (PE) is \$46,542,060. Some Design cost reported in Famis were moved to Design Phase.</p>

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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

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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.

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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.

Appendix B

DETAIL SCHEDULE REPORTS

SCHEDULE HIGHLIGHTS

The Master Project Schedule (MPS) below includes progress through January 2020. The January 2020 Schedule Update submittal from Contract 1300 Contractor was not submitted as the CN1300 Contractor has not provided the updated corrections to their June 2017, through July 2018 Schedule Updates. The Contract 1300 schedule represented in this report is based on the SFMTA January 2020 Schedule Update.

The MPS shows a forecast Revenue Service Date Summer 2021, shifting from 26 July 2021 to 08 September 2021, based on a revised assessment of the overall schedule and the current project conditions.

The delays are caused by TPC's electrical work in the tunnel impacted by lack of resources and other contract modifications related to Radio and Train Control Systems. TPC and SFTMA are working to reach scope and cost agreements for these contract modifications as TPC refuses to commence work without an approved Contract Modification. The controlling critical (longest) path of the MPS runs through the electrical activities within the tunnel which are impacting the TPC's Startup and Testing and subsequently the rail activation process. The latest schedule shows the longest path running through the Surface, Tracks and Systems (STS).

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

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

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

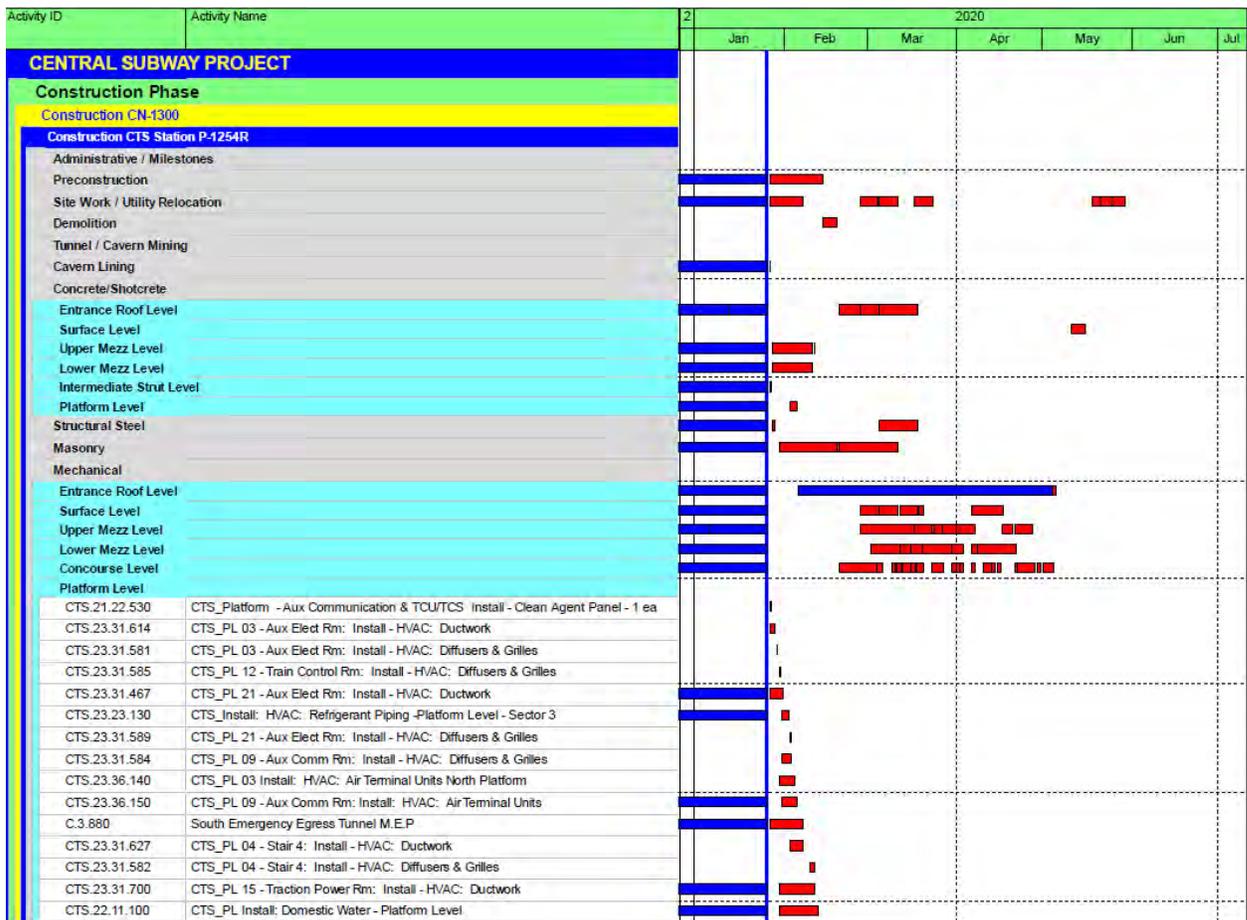
The Contractor, Tutor Perini Corporation's (TPC) baseline schedule is incorporated into the master program schedule. The preliminary SFMTA Contract 1300 January 2020 schedule is used within the January Report. The SFMTA Contract 1300 January 2020 schedule is based on the approved baseline schedule logic with adjustments made as mentioned above. The SFMTA will continue to use the SFMTA Contract 1300 schedule update as a forecasting tool going forward until the Contract 1300 Contractor submits an acceptable schedule that addresses all SFMTA's scheduling concerns.

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

- Continued installing Stair 5
- Completed electrical switchgear installation on the concrete pads and HVAC ductwork installation at Headhouse Platform level
- Continue installing overhead conduit at Main Electrical and Traction Power rooms at Headhouse Platform level
- Completed Emergency Ventilation fan installation at Headhouse Under Platform level
- Continued CMU wall curb installation on the Headhouse Upper mezzanine level
- Completed shotcrete for slurry walls, installing drain mat and waterproofing for Lower Mezzanine, and Upper Mezzanine levels at Headhouse
- Completed installing GFRC panels at South Platform Caverns
- Began installing GFRC panels at North Platform Caverns
- Continued installing Escalator 1 & 2 at North Platform Cavern
- Began installing Escalator 3 & 4 at Headhouse Concourse level
- Began installing Traction Power Equipment at Platform level
- Begin Arch closure composite wall and GFRC panel installation at Concourse level
- Continued construction of PCC 50 Chinatown Plaza walls and stairs
- Continued street work (minor), ongoing monitoring and surveying

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

- Complete installing GFRC panels at North Platform Caverns
- Complete installing Escalator 1 & 2 at North Platform Cavern
- Continue installing Escalator 3 & 4 at Headhouse Concourse level
- Complete installing overhead conduit at Main Electrical and Traction Power rooms at Headhouse Platform level
- Complete electrical switchgear installation at Headhouse Platform level
- Begin Escalator 5 and 6 installation
- Complete CMU wall construction at all levels of Headhouse
- Continue construction of PCC 50 Chinatown Plaza walls



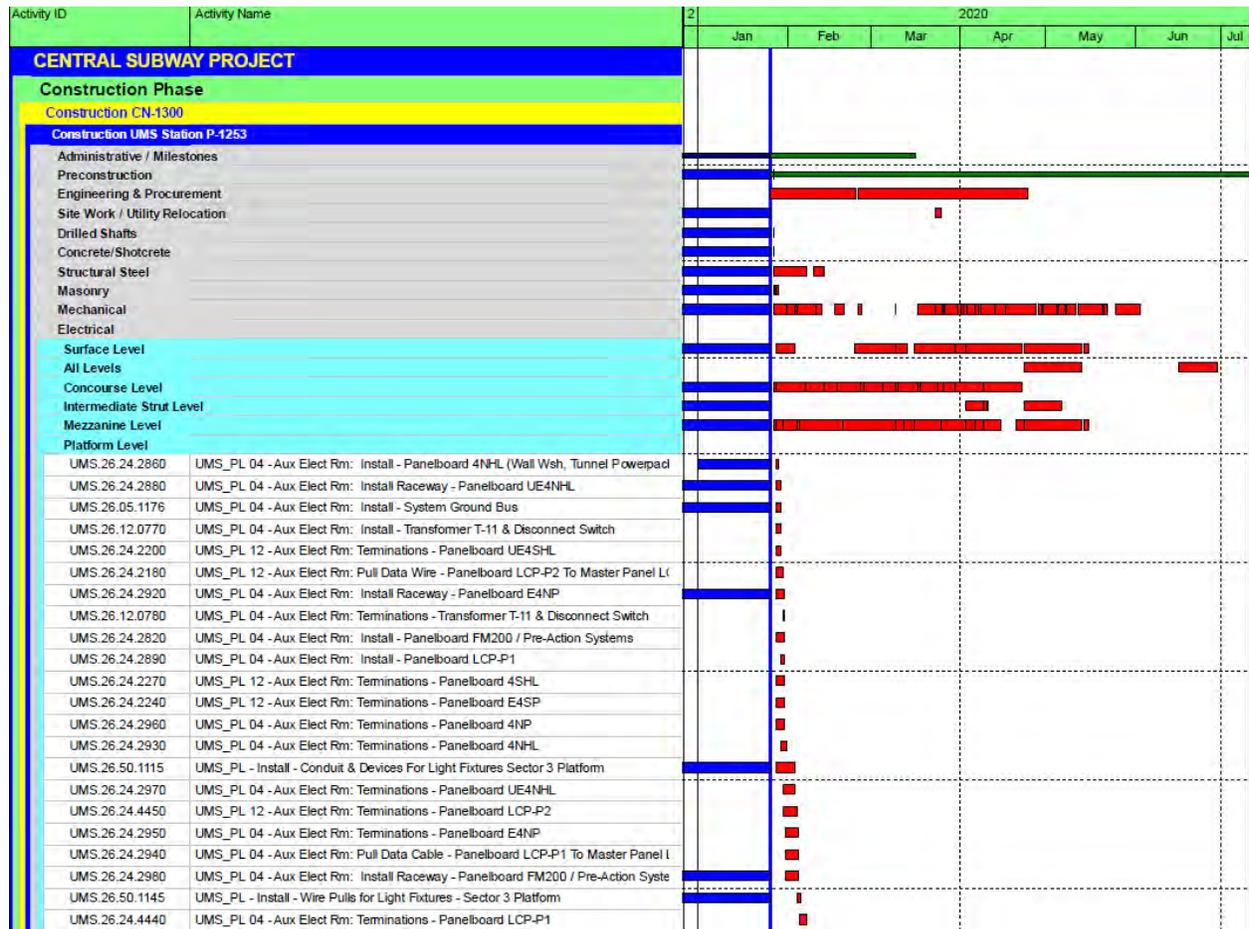
Work Package P-1253 (UMS) has performed the following work this month:

- 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 installation of precast architectural concrete elements for USG terrace level. Continued installation of USG Roof level exhaust vent

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

- Platform Station: Continue Energization in main electrical room. Continue construction of stairs and elevators. Continue installation of glass enclosure around elevators. Continue installation of escalators. Continue installation of glass wall panels 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. Continue installation of brackets for Platform level Artwork
- 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. Continue installation of glass wall panels. Continue installation of terrazzo flooring
- Street/Surface: Continue installation of precast architectural concrete elements for USG terrace level. Continue installation of USG Roof level exhaust vent. Continue Ellis Entrance finishes



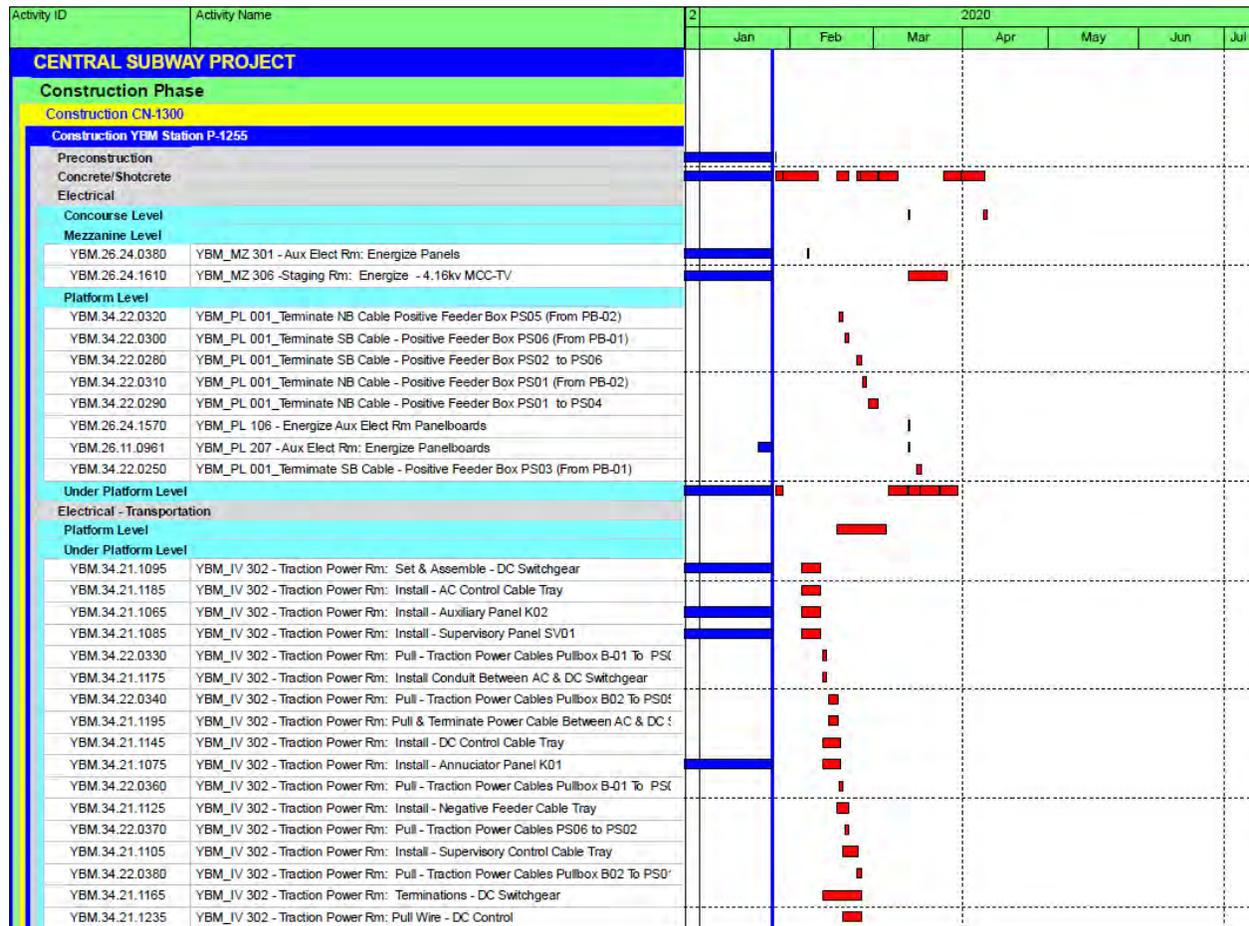
Work Package P-1255 (YBM) has performed the following work this month:

- Continued installing Escalators 3 and 4
- Continued installing Elevators 1 through 4
- Began installing door frames at Headhouse Surface
- Began painting skylight and installing installation at Headhouse Roof
- Installed seismic supports and emergency ventilation controls at Station Mezzanine
- Began installing artwork at Headhouse Concourse
- Continued installing terrazzo finish in Headhouse Concourse
- Continued installing ceiling and lights in Station Concourse
- Finish installing doors at Headhouse Invert

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

- Continue installing Escalators 3 and 4
- Continue installing Elevators 3 and 4
- Begin installing skylight glass at Headhouse Roof

- Begin installing fireproof steel structure at Headhouse Roof
- Continue installation of Headhouse Vent Shaft
- Continue Installing emergency ventilation controls at Station Mezzanine
- Begin installing branch power at Station Mezzanine
- Continue installing Station Agent Booth at Headhouse Concourse
- Begin installing toilets and lockers in Headhouse Concourse
- Continue installing metal wall and ceiling in Station Concourse
- Begin installing lighting in Station Concourse
- Continue installing metal wall panels in Station Invert level



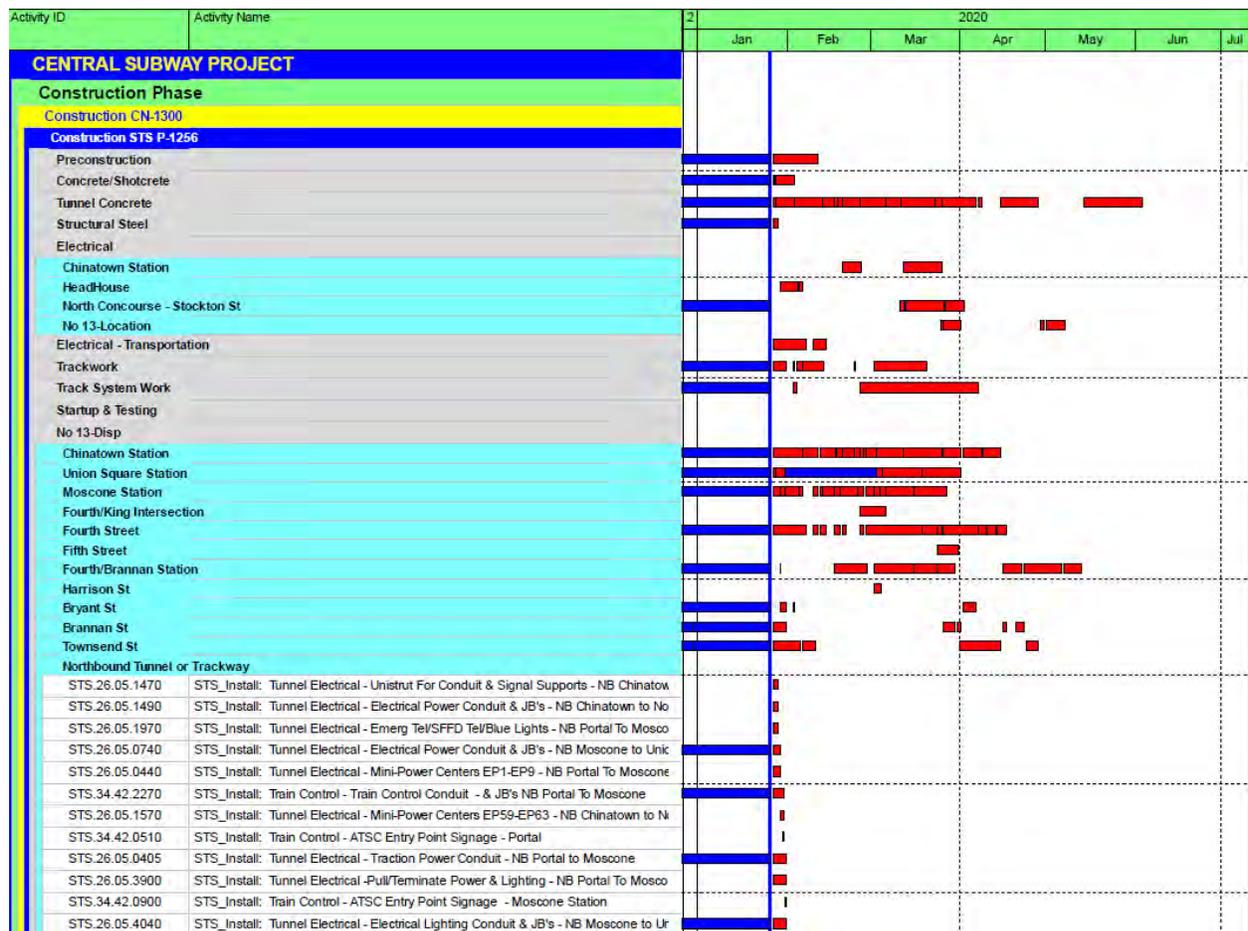
Work Package P-1256 (STS) has performed the following work this month:

- Continued traction power conduit and other electrical conduit installation inside tunnel
- Continued tunnel lighting installation
- Completed tunnel cross passages slab construction
- Continued 4th/Brannan platform construction
- Started pulling traction power feeder cables on surface

- Started OCS installation on 4th Street and Brannan Street

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

- Continue 4th/Brannan platform construction
- Continue traction power conduit and other electrical conduit installation inside tunnel
- Continue tunnel lighting installation
- Start OCS hanger installation inside tunnel
- Continue walkway installation inside tunnel
- Continue pulling traction power feeder cables on surface
- Continue OCS installation on 4th Street
- Start FDC work near 4th Street portal



SCHEDULE REVISIONS

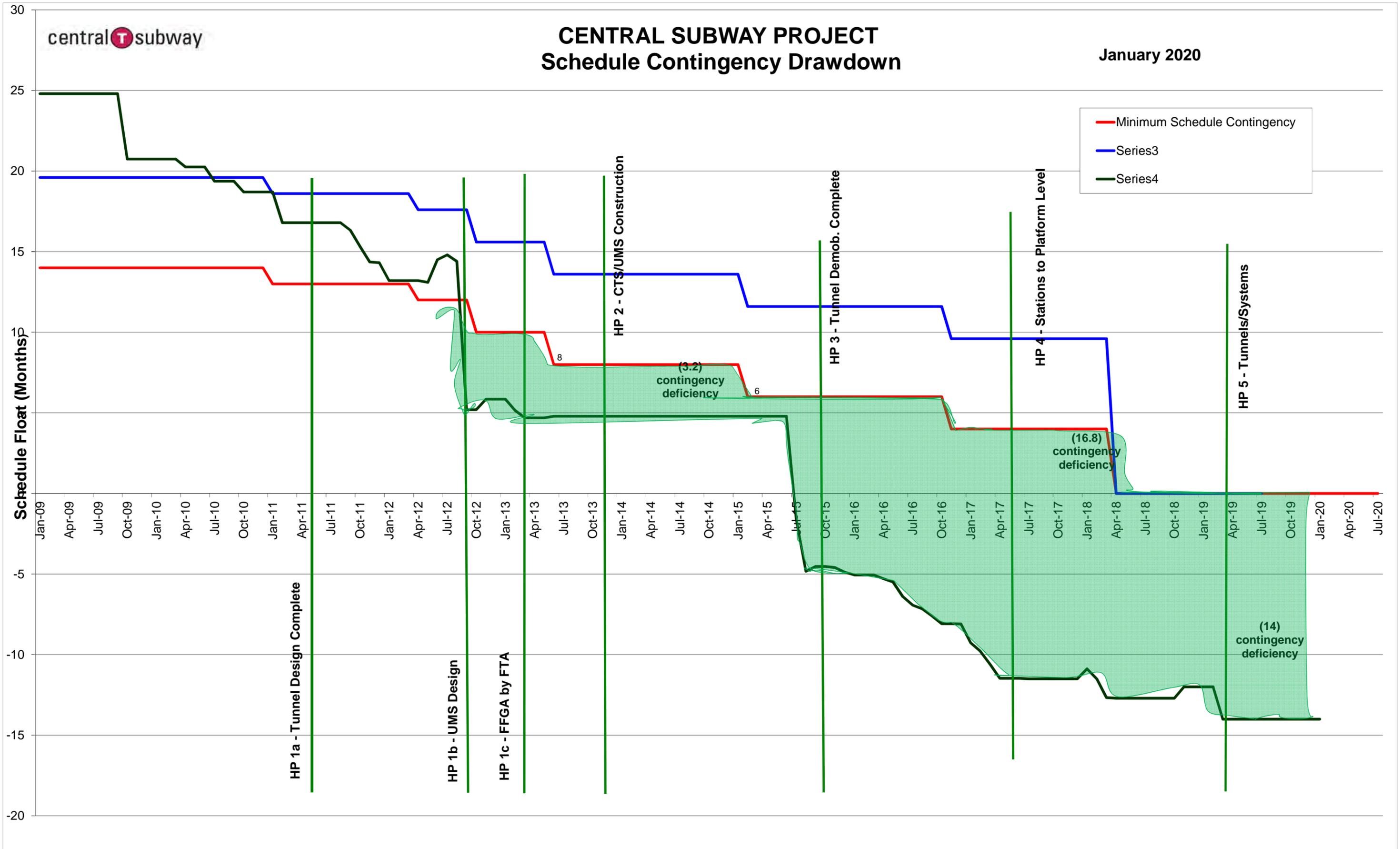
The SFMTA Contract 1300 January 2020 schedule update was added this period to the Central Subway Project Master Schedule.

LIST OF SCHEDULE REPORTS

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

CENTRAL SUBWAY PROJECT Schedule Contingency Drawdown

January 2020



Activity ID	Activity Name	Original Duration	Start	Finish	2020				2021					
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
CENTRAL SUBWAY PROJECT		4842	03-Jun-03 A	25-Dec-21										
Program Level Milestones		4998	03-Jun-03 A	08-Sep-21	▼ Program Level Milestone									
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		08-Sep-21*	◆ Baseline Finish Date: 12-26-2018									
MS0009	CSP Revenue Service Date	0		08-Sep-21*	◆ CSP Revenue Service Date: 08-Sep-21									
Preliminary Engineering Phase		2661	03-Jun-03 A	07-Jan-10 A										
Final Design		1811	08-Jan-10 A	17-Jun-13 A										
Light Rail Vehicles		2656	15-Apr-13 A	22-Jul-20	Light Rail Vehicles									
Real Estate		3130	01-Aug-08 A	02-Jan-14 A										
Construction Phase		3123	04-Jan-10 A	25-Dec-21	▼ Construction Phase									
Construction Support and Costs		3639	04-Jan-10 A	25-Dec-21	▼ Construction Support and Costs									
Construction Utility Contract #1- MOS & Portal CN-1250		505	04-Jan-10 A	23-May-11 A										
Construction Utility Contract #2 - UMS CN-1251		643	12-Jan-11 A	15-Oct-12 A										
Construction Tunnels CN-1252		1518	08-Jun-11 A	27-Jan-20	Construction Tunnels CN-1252									
Construction STS P-1256 ATCS		1792	20-May-14 A	27-Jan-21	Construction STS P-1256 ATCS									
Construction STS P-XXXX Radio		195	27-Aug-19 A	02-Oct-20	Construction STS P-XXXX Radio									
Construction CN-1300		1993	03-Jun-13 A	07-Feb-21	Construction CN-1300									
CN- 1300 Milestone		1993	17-Jun-13 A	07-Feb-21	CN- 1300 Milestone									
Construction UMS Station P-1253		1930	17-Jun-13 A	10-Nov-20	Construction UMS Station P-1253									
Construction CTS Station P-1254R		1930	17-Jun-13 A	10-Nov-20	Construction CTS Station P-1254R									
Construction YBM Station P-1255		1930	10-Jun-13 A	10-Nov-20	Construction YBM Station P-1255									
Construction STS P-1256		1930	03-Jun-13 A	10-Nov-20	Construction STS P-1256									
Project Start Up		302	09-Nov-20	08-Sep-21	Project Start Up									
Unallocated Contingency		408	27-Jan-20	07-Sep-21	Unallocated Contingency									

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2020				2021				2022	
						Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
Program Level Milestones															
MS0019	Baseline Finish Date: 12-26-2018	0	08-Sep-21	22-Aug-23	0										
MS0009	CSP Revenue Service Date	0	08-Sep-21	22-Aug-23	-320										
MS0010	Grant Closeout - CSP Complete	0	08-Sep-21	22-Aug-23	0										
CN- 1300 Milestone															
STS1500	CN 1300 Substantial Completion	0	26-Jan-20	07-Feb-21	-95										
MS-10	Substantial Completion - 1,700 Calendar Days (SP-4.B) { 10-Feb-18 }	0	26-Jan-20	07-Feb-21	-266										
C.Punch	Closeout Punchlist/Remaining Work	90	10-Nov-20	07-Feb-21	-465										
MS-20	Final Completion - 1,790 Calendar Days (SP-4C)	0	10-Nov-20	07-Feb-21	-133										
Construction STS P-1256															
STS.34.23.1800	STS_Install: Tunnel Electrical - OCS Catenary Hangers - In NB Portal	3	26-Feb-20*	28-Feb-20	-326										
STS.34.23.0460	STS_Install: Tunnel Electrical - OCS Catenary Hangers - NB Portal To Moscone	5	30-Sep-19 A	06-Mar-20	-326										
STS.34.23.0850	STS_Install: Tunnel Electrical - OCS Catenary Hangers - NB Moscone to Union Squ	5	09-Mar-20	13-Mar-20	-326										
STS.34.23.1940	STS_Install: Tunnel Electrical - OCS Steady Arm Assemblies - NB Moscone to Union	7	16-Mar-20	24-Mar-20	-326										
STS.34.23.1850	STS_Install: Tunnel Electrical - OCS Wires, Spacers, Insulators - NB Moscone to Un	14	25-Mar-20	13-Apr-20	-326										
STS.34.23.1870	STS_Install: Tunnel Electrical - OCS Wires, Spacers, Insulators - NB Union Square t	12	14-Apr-20	29-Apr-20	-326										
STS.34.22.2900	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB03 To	8	30-Apr-20	11-May-20	-326										
STS.34.22.3090	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB03 To NB0	2	12-May-20	13-May-20	-326										
STS.34.22.2880	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PS-04 To PFC	2	14-May-20	15-May-20	-326										
STS.34.22.2890	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB11 To	8	18-May-20	27-May-20	-326										
STS.34.22.2910	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PS-05 To PFC	1	28-May-20	28-May-20	-326										
STS.34.22.2920	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB10 To	7	29-May-20	08-Jun-20	-326										
STS.34.22.3070	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PS-04 To PFCB NB	1	09-Jun-20	09-Jun-20	-326										
STS.34.22.3080	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB05 To NB0	3	10-Jun-20	12-Jun-20	-326										
STS.34.22.3100	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PS-05 To PFCB NB	1	15-Jun-20	15-Jun-20	-326										
STS.34.22.3110	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB10 To NB0	1	16-Jun-20	16-Jun-20	-326										
STS.34.22.2860	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB18 To	15	17-Jun-20	07-Jul-20	-326										
STS.34.22.2870	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB12 To	2	08-Jul-20	09-Jul-20	-326										
STS.26.05.0785	STS_Install: Tunnel Electrical - Traction Power Connection Boxes/OCS Risers NB10	7	06-May-19 A	16-Jul-20	-326										
STS.34.22.2850	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PS-10 To PFC	2	17-Jul-20	20-Jul-20	-326										
STS.34.22.3040	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PS-10 To PFCB NB	1	21-Jul-20	21-Jul-20	-326										
STS.34.22.3050	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB18 To NB0	3	22-Jul-20	24-Jul-20	-326										
STS.34.22.3060	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB12 To PS-	1	27-Jul-20	27-Jul-20	-326										
STS.34.22.2840	STS_Install: Tunnel Electrical - Pull/Terminate Traction Power Cable - PFCB NB19 To	2	27-Jul-20	28-Jul-20	-326										
STS.34.22.3030	STS_Install: Tunnel Electrical - Pull/Terminate OCS Riser Cable - PFCB NB19 To PS-	1	29-Jul-20	29-Jul-20	-326										
STS.34.42.0390	STS_Install: Train Control - Train Control Cable Loop System NB Portal To Moscon	4	13-May-19 A	04-Aug-20	-326										
STS.34.42.0770	STS_Install: Train Control - Train Control Cable Loop System NB Moscone to Union	13	05-Aug-20	21-Aug-20	-326										
STS.34.42.1150	STS_Install: Train Control - Train Control Cable Loop System NB Union Square to C	14	05-Aug-20	24-Aug-20	-326										
STS.34.42.1520	STS_Install: Train Control - Train Control Cable Loop System NB Chinatown to Nor	2	25-Aug-20	26-Aug-20	-326										
STS.34.42.425	Startup & Testing - Tunnel & ATSC Systems	53	27-Aug-20	09-Nov-20	-326										
Project Start Up															
STU1010	S&S Certification / Pre-Revenue Activities	206	09-Nov-20	07-Sep-21	-466										
BUF0018	Muni Float	0	08-Sep-21	08-Sep-21	-320										
Project Management															
STU1040	After Study	505	08-Sep-21	22-Aug-23	0										

Activity Name	Original Duration	Start	Finish	2012				2013				2014				2015				2016				2017				2018				2019				2020		2021	
				Q1	Q2	Q3	Q4	Q1	Q2	Q1	Q2																												
CENTRAL SUBWAY PROJECT	2521	08-Jun-11 A	07-Feb-21																																				
Construction Phase	2521	08-Jun-11 A	07-Feb-21																																				
Construction Tunnels CN-1252	1518	08-Jun-11 A	15-May-15 A																																				
1252 Tunnel Contract BIH	1518	08-Jun-11 A	15-May-15 A																																				
Contract Milestones	1437	08-Jun-11 A	15-May-15 A																																				
General Conditions	1480	01-Aug-11 A	15-May-15 A																																				
4th & Bryant St TBM Launch Box Construction	686	30-Mar-12 A	02-Jun-14 A																																				
Moscone Station Headwalls	430	14-May-12 A	20-Sep-13 A																																				
UMS Station Headwalls	425	24-Jul-12 A	22-Nov-13 A																																				
UMS - Remove Geary to Ellis OCS	5	24-Jul-12 A	26-Jul-12 A																																				
UMS - Setup Traffic Control for Headwall Construction	1	30-Jul-12 A	30-Jul-12 A																																				
North Headwall	237	27-Feb-13 A	22-Nov-13 A																																				
South Headwall	404	31-Jul-12 A	22-Nov-13 A																																				
4th St and Market Compensation Grouting	707	28-Jan-13 A	30-Apr-15 A																																				
Southbound Tunneling	451	27-Apr-13 A	13-Oct-14 A																																				
Ellis St Compensation Grouting	561	31-Jul-12 A	09-May-14 A																																				
Green St Compensation Grouting	320	05-Aug-13 A	30-Jun-14 A																																				
Retrieval Shaft	1070	31-Oct-11 A	20-Mar-15 A																																				
Cross Passage 1-5	339	22-Mar-14 A	16-Apr-15 A																																				
Cross Passage 1	79	14-Jun-14 A	13-Sep-14 A																																				
Cross Passage 2	105	10-May-14 A	09-Sep-14 A																																				
Cross Passage 3	127	31-Mar-14 A	28-Aug-14 A																																				
Cross Passage 4	114	22-Mar-14 A	31-Jul-14 A																																				
Cross Passage 5	277	31-May-14 A	16-Apr-15 A																																				
Portal Structure	196	02-Sep-14 A	15-Apr-15 A																																				
Contract Close Out	307	03-Mar-14 A	15-May-15 A																																				
Construction CN-1300	1993	03-Jun-13 A	07-Feb-21																																				
CN- 1300 Milestone	1993	17-Jun-13 A	07-Feb-21																																				
Construction UMS Station P-1253	1930	17-Jun-13 A	10-Nov-20																																				
Construction CTS Station P-1254R	1930	17-Jun-13 A	10-Nov-20																																				
Construction YBM Station P-1255	1930	10-Jun-13 A	10-Nov-20																																				
Construction STS P-1256	1930	03-Jun-13 A	10-Nov-20																																				

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2020					2021
						Q4	Q1	Q2	Q3	Q4	Q1
CENTRAL SUBWAY PROJECT											
Program Level Milestones											
No 13-Disp		1262	26-Jan-20	10-Jul-23	0						
Light Rail Vehicles											
Construction Phase											
Construction Support and Costs											
Construction Tunnels CN-1252											
Construction STS P-1256 ATCS											
Construction STS P-XXXX Radio											
Construction CN-1300											
CN- 1300 Milestone											
Construction UMS Station P-1253											
Administrative / Milestones											
Preconstruction											
Engineering & Procurement											
Site Work / Utility Relocation											
Drilled Shafts											
Concrete/Shotcrete											
Structural Steel											
Masonry											
Mechanical											
Electrical											
Surface Level											
All Levels											
Concourse Level											
Intermediate Strut Level											
Mezzanine Level											
Platform Level											
UMS.26.24.2860	UMS_PL 04 - Aux Elect Rm: Install - Panelboard 4NHL (Wall Wsh, Tunnel Powerpacks)	1	01-Jan-20 A	28-Jan-20	-151						UMS_PL 04 - Aux Elect Rm: Install - Panelboard 4NHL (Wall Wsh, Tunnel Powerpacks)
UMS.26.24.2880	UMS_PL 04 - Aux Elect Rm: Install Raceway - Panelboard UE4NHL	2	17-Jul-17 A	29-Jan-20	-147						UMS_PL 04 - Aux Elect Rm: Install Raceway - Panelboard UE4NHL
UMS.26.05.1176	UMS_PL 04 - Aux Elect Rm: Install - System Ground Bus	2	02-Jan-18 A	29-Jan-20	-172						UMS_PL 04 - Aux Elect Rm: Install - System Ground Bus
UMS.26.12.0770	UMS_PL 04 - Aux Elect Rm: Install - Transformer T-11 & Disconnect Switch	2	28-Jan-20	29-Jan-20	-218						UMS_PL 04 - Aux Elect Rm: Install - Transformer T-11 & Disconnect Switch
UMS.26.24.2200	UMS_PL 12 - Aux Elect Rm: Terminations - Panelboard UE4SHL	2	28-Jan-20	29-Jan-20	-144						UMS_PL 12 - Aux Elect Rm: Terminations - Panelboard UE4SHL
UMS.26.24.2180	UMS_PL 12 - Aux Elect Rm: Pull Data Wire - Panelboard LCP-P2 To Master Panel LCP-M (MZ11)	3	28-Jan-20	30-Jan-20	-148						UMS_PL 12 - Aux Elect Rm: Pull Data Wire - Panelboard LCP-P2 To Master Panel LCP-M (MZ11)
UMS.26.24.2920	UMS_PL 04 - Aux Elect Rm: Install Raceway - Panelboard E4NP	3	15-Apr-19 A	30-Jan-20	-176						UMS_PL 04 - Aux Elect Rm: Install Raceway - Panelboard E4NP
UMS.26.12.0780	UMS_PL 04 - Aux Elect Rm: Terminations - Transformer T-11 & Disconnect Switch	1	30-Jan-20	30-Jan-20	-173						UMS_PL 04 - Aux Elect Rm: Terminations - Transformer T-11 & Disconnect Switch
UMS.26.24.2820	UMS_PL 04 - Aux Elect Rm: Install - Panelboard FM200 / Pre-Action Systems	3	28-Jan-20	30-Jan-20	-179						UMS_PL 04 - Aux Elect Rm: Install - Panelboard FM200 / Pre-Action Systems
UMS.26.24.2890	UMS_PL 04 - Aux Elect Rm: Install - Panelboard LCP-P1	2	29-Jan-20	30-Jan-20	-151						UMS_PL 04 - Aux Elect Rm: Install - Panelboard LCP-P1
UMS.26.24.2270	UMS_PL 12 - Aux Elect Rm: Terminations - Panelboard 4SHL	3	28-Jan-20	30-Jan-20	-145						UMS_PL 12 - Aux Elect Rm: Terminations - Panelboard 4SHL
UMS.26.24.2240	UMS_PL 12 - Aux Elect Rm: Terminations - Panelboard E4SP	3	28-Jan-20	30-Jan-20	-165						UMS_PL 12 - Aux Elect Rm: Terminations - Panelboard E4SP
UMS.26.24.2960	UMS_PL 04 - Aux Elect Rm: Terminations - Panelboard 4NP	3	28-Jan-20	30-Jan-20	-173						UMS_PL 04 - Aux Elect Rm: Terminations - Panelboard 4NP
UMS.26.24.2930	UMS_PL 04 - Aux Elect Rm: Terminations - Panelboard 4NHL	3	29-Jan-20	31-Jan-20	-146						UMS_PL 04 - Aux Elect Rm: Terminations - Panelboard 4NHL
UMS.26.50.1115	UMS_PL - Install - Conduit & Devices For Light Fixtures Sector 3 Platform	10	05-Nov-18 A	03-Feb-20	-205						UMS_PL - Install - Conduit & Devices For Light Fixtures Sector 3 Platform
UMS.26.24.2970	UMS_PL 04 - Aux Elect Rm: Terminations - Panelboard UE4NHL	3	30-Jan-20	03-Feb-20	-147						UMS_PL 04 - Aux Elect Rm: Terminations - Panelboard UE4NHL
UMS.26.24.4450	UMS_PL 12 - Aux Elect Rm: Terminations - Panelboard LCP-P2	3	30-Jan-20	04-Feb-20	-148						UMS_PL 12 - Aux Elect Rm: Terminations - Panelboard LCP-P2
UMS.26.24.2950	UMS_PL 04 - Aux Elect Rm: Terminations - Panelboard E4NP	3	31-Jan-20	04-Feb-20	-176						UMS_PL 04 - Aux Elect Rm: Terminations - Panelboard E4NP
UMS.26.24.2940	UMS_PL 04 - Aux Elect Rm: Pull Data Cable - Panelboard LCP-P1 To Master Panel LCP-M (MZ11)	3	31-Jan-20	04-Feb-20	-151						UMS_PL 04 - Aux Elect Rm: Pull Data Cable - Panelboard LCP-P1 To Master Panel LCP-M (MZ11)
UMS.26.24.2980	UMS_PL 04 - Aux Elect Rm: Install Raceway - Panelboard FM200 / Pre-Action Systems	3	04-Feb-19 A	04-Feb-20	-179						UMS_PL 04 - Aux Elect Rm: Install Raceway - Panelboard FM200 / Pre-Action Systems
UMS.26.50.1145	UMS_PL - Install - Wire Pulls for Light Fixtures - Sector 3 Platform	2	03-Oct-19 A	05-Feb-20	-162						UMS_PL - Install - Wire Pulls for Light Fixtures - Sector 3 Platform

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2020					2021	
						Q4	Q1	Q2	Q3	Q4	Q1	
UMS.26.24.4440	UMS_PL 04 - Aux Elect Rm: Terminations - Panelboard LCP-P1	3	05-Feb-20	07-Feb-20	-151							
UMS.26.24.2990	UMS_PL 04 - Aux Elect Rm: Terminations - Panelboard FM200 / Pre-Action Systems	3	05-Feb-20	07-Feb-20	-179							
UMS.28.16.0150	UMS_PL_Install: Security: Intrusion Systems Platform Level	14	10-Jul-17 A	10-Feb-20	-205							
UMS.34.05.0340	UMS_MZ_Install Conduit Riser PB-1 to NB Feeder Boxes PS01 (Traction Power)	5	05-Feb-20	11-Feb-20	-211							
UMS.26.12.0820	UMS_PL 04 - Aux Elect Rm: Install Feeder Conduit - Transformer T-11 TO 4NP	1	24-Jul-17 A	12-Feb-20	-218							
UMS.10.14.0290	UMS_PL_Install Platform Level Signage	14	27-Jan-20	13-Feb-20	-174							
UMS.27.30.0100	UMS_PL_Install: Comm: Telephone System Platform Level	5	07-Feb-20	14-Feb-20	-150							
UMS.26.12.0730	UMS_PL 12 - Aux Elect Rm: Install - Transformer T-12 & Disconnect Switch -	2	13-Feb-20*	14-Feb-20	-218							
UMS.28.20.0090	UMS_PL_Install: Security: CCTV System Camera & Raceway Platform Level	15	10-Jul-17 A	17-Feb-20	-205							
UMS.26.12.0830	UMS_PL 12 - Aux Elect Rm: Install Feeder Conduit - Transformer T-12 To 4SP	1	24-Jul-17 A	17-Feb-20	-179							
UMS.34.42.0175	UMS_PL_Install Train Control Equipment - TCS/TCU Room	15	28-Jan-20	17-Feb-20	-220							
UMS.26.12.0760	UMS_PL 12 - Aux Elect Rm: Terminations - Transformer T-12 & Disconnect Switch	1	17-Feb-20	17-Feb-20	-177							
UMS.34.22.0510	UMS_PL_Terminate NB Cable - Positive Feeder Box PS01	2	14-Feb-20	17-Feb-20	-204							
UMS.26.12.830	UMS_PL 12 - Aux Elect Rm: Install Feeder Cable - Transformer T-12 To 4SP	1	18-Feb-20	18-Feb-20	-179							
UMS.26.12.840	UMS_PL 12 - Aux Elect Rm: Terminate Feeder Cable - Transformer T-12 To 4SP	1	19-Feb-20	19-Feb-20	-179							
UMS.34.22.0450	UMS_PL_Terminate NB Cable Positive Feeder Box PS05	2	20-Feb-20	21-Feb-20	-208							
UMS.34.22.0470	UMS_PL_Terminate SB Cable - Positive Feeder Box PS02	2	24-Feb-20	25-Feb-20	-210							
UMS.34.42.175	UMS_PL_Install Train Control Raceway - TCS/TCU Room To Trackway Connection	15	06-Aug-18 A	25-Feb-20	-220							
UMS.26.50.1225	UMS_PL - Hang Light Fixtures & Terminate Sector 3 Platform	14	14-Oct-19 A	28-Feb-20	-165							
UMS.34.22.0430	UMS_PL_Terminate SB Cable - Positive Feeder Box PS03	2	27-Feb-20	28-Feb-20	-213							
UMS.28.13.0150	UMS_PL_Install: Security: Access Control System Platform Level	15	10-Jul-17 A	02-Mar-20	-161							
UMS.34.22.0490	UMS_PL_Terminate SB Cable - Positive Feeder Box PS06	2	02-Mar-20	03-Mar-20	-215							
UMS.34.22.0520	UMS_PL_Terminate NB Cable - Positive Feeder Box PS04	2	02-Mar-20	03-Mar-20	-215							
UMS.28.20.5060	UMS_PL_Security: Pull Wire & Terminate CCTV System Cameras Platform Level	15	18-Feb-20	09-Mar-20	-205							
UMS.34.42.185	UMS_PL_Install Train Control Cable - TCS/TCU Room To Trackway Connection	15	26-Feb-20	17-Mar-20	-220							
UMS.26.11.1430	UMS_PL 12 - Aux Elect Rm: Energize Lighting Panelboards	1	06-Jan-20 A	24-Mar-20	-182							
UMS.26.11.1440	UMS_PL 04 - Aux Elect Rm: Energize Lighting Panelboards	1	24-Mar-20	24-Mar-20	-182							
UMS.28.20.9955	UMS_PL_Startup & Test: Security: CCTV System Platform Level	5	23-Mar-20	27-Mar-20	-205							
UMS.26.11.1400	UMS_PL 04 - Aux Elect Rm: Energize Power Panelboards	1	01-Apr-20	01-Apr-20	-216							
UMS.26.11.1390	UMS_PL 12 - Aux Elect Rm: Energize Power Panelboards	1	30-Dec-19 A	01-Apr-20	-208							
UMS.26.50.9920	UMS_PL_Electrical - Test Lighting Systems & Lighting Control Systems Platform Level	10	25-Mar-20	07-Apr-20	-182							
UMS.34.42.195	UMS_PL Train Control Terminations - TCS/TCU Room To Trackway Connection	15	18-Mar-20	07-Apr-20	-220							
UMS.34.42.205	UMS_PL Train Control Room - Energize Panels	5	01-Apr-20	07-Apr-20	-220							
UMS.28.31.0180	UMS_PL_Install Security: Addressable Fire Alarm System Platform Level	15	04-Jun-18 A	13-May-20	-202							
UMS.27.51.9830	UMS_PL_Startup & Test: Comm: Public Address System Platform Level	2	13-May-20	14-May-20	-199							
UMS.28.31.9630	UMS_PL_Safety & Security - Testing - Fire Alarm System Platform Level	2	18-May-20	19-May-20	-202							
No 13-Level		8	04-Feb-20	13-Feb-20	-174							
Electrical - Transportation		374	29-Mar-18 A	06-Apr-20	-202							
Architectural Finishes		509	10-Apr-17 A	19-Jun-20	134							
Conveyances		331	03-Dec-18 A	27-Apr-20	-186							
Stairs		342	06-Aug-18 A	01-May-20	-200							
Startup & Testing		46	27-Apr-20	29-Jun-20	-231							
No 13-Disp		1898	09-Jan-14 A	26-Sep-20	726							
Construction CTS Station P-1254R		1748	06-Sep-13 A	26-Sep-20	726							
Administrative / Milestones		9	21-Feb-20	01-Mar-20	-315							
Preconstruction		15	27-Aug-18 A	14-Feb-20	-135							
Site Work / Utility Relocation		365	31-Dec-18 A	29-May-20	149							
Demolition		4	14-Feb-20	19-Feb-20	-203							
Tunnel / Cavern Mining		0	27-Jan-20	27-Jan-20	239							
Cavern Lining		15	02-Apr-18 A	27-Jan-20	-258							

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2020					2021				
						Q4	Q1	Q2	Q3	Q4	Q1				
Concrete/Shotcrete						403	18-Oct-18 A	15-May-20	-215						
Entrance Roof Level						67	14-Oct-19 A	18-Mar-20	-203						
CTS.03.30.900	CTS_Roof - Form/Rebar/Pour/Strip - Entrance Structure Roof Slab & Parapet On Metal Deck	5	20-Feb-20	26-Feb-20	-197										
CTS.03.30.351	CTS_Roof - FRP - Lower Concrete Walls & Vent Shaft Cols 6-11	10	14-Oct-19 A	04-Mar-20	-203										
CTS.03.30.352	CTS_Roof - FRP - Lower Concrete Decks & Shaft Cols 7-11	10	29-Nov-19 A	04-Mar-20	-203										
CTS.03.30.860	CTS_Roof - FRP -Upper Concrete Walls & Vent Shaft Cols 6-11	10	21-Oct-19 A	11-Mar-20	-203										
CTS.03.30.870	CTS_Roof - FRP - Upper Concrete Shaft Slabs Cols 6-8	10	13-Jan-20 A	18-Mar-20	-203										
Surface Level						5	11-May-20	15-May-20	-215						
CTS.03.46.910	CTS_SU Exterior - Install GFRC Panels @ Vent Shaft & Stair 5	5	11-May-20	15-May-20	-215										
Upper Mezz Level						91	03-May-19 A	11-Feb-20	-200						
CTS.03.11.200	CTS_UM Install Falsework - For Upper Mezz Level Slab	10	03-May-19 A	28-Jan-20	-203										
CTS.03.37.310	CTS_UM - Place - Shotcrete on Slurry Walls - Head House	10	12-Aug-19 A	10-Feb-20	-199										
CTS.03.30.145	CTS_UM Form/Rebar/Pour/Strip - Perimeter Walls Upper Mezz Slab to Surface Level	10	05-Aug-19 A	11-Feb-20	-207										
Lower Mezz Level						40	15-Jul-19 A	10-Feb-20	-203						
Intermediate Strut Level						10	18-Oct-18 A	27-Jan-20	-229						
Platform Level						15	17-Jan-19 A	05-Feb-20	-208						
Structural Steel						198	22-Apr-19 A	18-Mar-20	-185						
Masonry						35	04-Sep-19 A	11-Mar-20	-226						
Mechanical						786	13-Feb-17 A	05-May-20	-197						
Misc Metal						159	03-Jun-19 A	13-May-20	-199						
Electrical						353	07-May-18 A	20-May-20	-208						
Entrance Roof Level						32	20-Jan-20 A	30-Apr-20	-227						
Surface Level						172	13-May-19 A	20-May-20	-203						
Upper Mezz Level						184	08-Jul-19 A	07-May-20	-209						
Lower Mezz Level						108	01-Oct-19 A	20-May-20	-208						
Concourse Level						327	08-Oct-18 A	27-Apr-20	-201						
CTS.26.50.482	CTS_CN 15 - Storage Rm: Install - Conduit & Devices Lighting	2	28-Oct-19 A	31-Jan-20	-203										
CTS.26.50.484	CTS_CN 17 - Janitor Rm: Install - Conduit & Devices For Lighting	2	28-Oct-19 A	31-Jan-20	-173										
CTS.26.50.538	CTS_CN 25 - Stair 5A: Install - Conduit & Devices for Lighting	5	26-Apr-19 A	31-Jan-20	-180										
CTS.26.50.486	CTS_CN 21 - Mens Staff Lockers: Install - Conduit & Devices for Lighting	3	28-Oct-19 A	03-Feb-20	-169										
CTS.26.50.504	CTS_CN 20 - Womens Restroom: Install - Conduit & Devices for Lighting	5	18-Nov-19 A	03-Feb-20	-189										
CTS.26.50.590	CTS_CN 17 - Janitor Rm: Pull Wire - Lighting	1	03-Feb-20	03-Feb-20	-173										
CTS.26.50.578	CTS_CN 15 - Storage Rm: Pull Wire - Lighting	2	03-Feb-20	04-Feb-20	-203										
CTS.26.05.630	CTS_CN 17 - Janitor Rm: Hang Fixtures & Terminate	1	04-Feb-20	04-Feb-20	-173										
CTS.26.50.584	CTS_CN 21 - Mens Staff Lockers: Pull Wire - Lighting	2	04-Feb-20	05-Feb-20	-169										
CTS.26.50.588	CTS_CN 15 - Storage Rm: Hang Light Fixtures & Terminate	2	05-Feb-20	06-Feb-20	-203										
CTS.26.50.570	CTS_CN 01 - Install - Conduit & Devices for Ceiling Lighting	5	28-Oct-19 A	07-Feb-20	-183										
CTS.26.50.636	CTS_CN 25 - Stair 5A: Pull Wire - Lighting	5	03-Feb-20	07-Feb-20	-180										
CTS.26.50.592	CTS_CN 21 - Mens Staff Lockers: Hang Light Fixtures & Terminate	2	06-Feb-20	07-Feb-20	-169										
CTS.26.50.581	CTS_CN 01 - Wire Pulls for Ceiling Lighting	3	10-Feb-20	12-Feb-20	-183										
CTS.26.50.666	CTS_CN 25 - Stair 5A: Hang Fixtures & Terminate	5	10-Feb-20	14-Feb-20	-180										
CTS.28.20.442	CTS_CN 25 - Stair 5A: Set & Hook up - CCTV Cameras (2 each) - Sector 3	2	21-Oct-19 A	18-Feb-20	-182										
CTS.26.50.582	CTS_CN 01 - Hang Fixtures & Terminate	5	13-Feb-20	19-Feb-20	-183										
CTS.26.50.512	CTS_CN 12 - Corridor: Install - Conduit & Devices - Lighting	1	12-Nov-19 A	20-Feb-20	-218										
CTS.28.20.452	CTS_CN 23 - Stair 5: Set & Hook up - CCTV Camera (1 each)	1	07-Oct-19 A	20-Feb-20	-184										
CTS.26.50.516	CTS_CN 24 - Valve Rm: Install - Conduit & Devices for Lighting	2	12-Nov-19 A	21-Feb-20	-189										
CTS.26.50.522	CTS_CN 16 - Break Rm: Install - Conduit & Devices For Lighting	2	12-Nov-19 A	21-Feb-20	-188										
CTS.26.50.528	CTS_CN 04 - Corridor: Install - Conduit & Devices for Lighting	2	12-Nov-19 A	21-Feb-20	-187										
CTS.26.50.530	CTS_CN 05 - Storage Rm: Install - Conduit & Devices for Lighting	2	12-Nov-19 A	21-Feb-20	-188										
CTS.26.50.510	CTS_CN 11 - Storage Rm: Install - Conduit & Devices for Lighting	2	12-Nov-19 A	21-Feb-20	-219										
CTS.28.20.422	CTS_CN 26 - Stair 4: Set & Hook up - CCTV Cameras (2 each) - Sector 1	2	07-Oct-19 A	21-Feb-20	-185										

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2020				2021	
						Q4	Q1	Q2	Q3	Q4	Q1
CTS.26.50.598	CTS_CN 20 - Womens Restroom: Wire Pulls - Lighting	5	17-Feb-20	21-Feb-20	-213						CTS_CN 20 - Womens Restroom: Wire Pulls - Lighting
CTS.26.50.610	CTS_CN 12 - Corridor: Pull Wire - Lighting	1	21-Feb-20	21-Feb-20	-218						CTS_CN 12 - Corridor: Pull Wire - Lighting
CTS.26.05.610	CTS_CN 07 - Elevator Control Closet: Install Conduit & Devices for Lighting	2	11-Feb-19 A	21-Feb-20	-186						CTS_CN 07 - Elevator Control Closet: Install Conduit & Devices for Lighting
CTS.26.50.520	CTS_CN 10 - Emerg Command Rm: Install - Conduit & Devices Lighting	3	12-Nov-19 A	24-Feb-20	-192						CTS_CN 10 - Emerg Command Rm: Install - Conduit & Devices Lighting
CTS.26.50.628	CTS_CN 05 - Storage Rm: Pull Wire - Lighting	1	24-Feb-20	24-Feb-20	-188						CTS_CN 05 - Storage Rm: Pull Wire - Lighting
CTS.26.50.594	CTS_CN 04 - Corridor: Pull Wire- Lighting	1	24-Feb-20	24-Feb-20	-187						CTS_CN 04 - Corridor: Pull Wire- Lighting
CTS.26.50.620	CTS_CN 16 - Break Rm: Pull Wire Lighting	1	24-Feb-20	24-Feb-20	-188						CTS_CN 16 - Break Rm: Pull Wire Lighting
CTS.26.50.640	CTS_CN 11 - Storage Rm: Pull Wire - Lighting	1	24-Feb-20	24-Feb-20	-219						CTS_CN 11 - Storage Rm: Pull Wire - Lighting
CTS.26.50.642	CTS_CN 12 - Corridor: Hang Light Fixtures & Terminate	1	24-Feb-20	24-Feb-20	-218						CTS_CN 12 - Corridor: Hang Light Fixtures & Terminate
CTS.26.50.646	CTS_CN 24 - Valve Rm: Pull Wire - Lighting	1	24-Feb-20	24-Feb-20	-189						CTS_CN 24 - Valve Rm: Pull Wire - Lighting
CTS.26.05.720	CTS_CN 07 - Elevator Control Closet: Pull Wire- Lighting	1	24-Feb-20	24-Feb-20	-186						CTS_CN 07 - Elevator Control Closet: Pull Wire- Lighting
CTS.26.50.552	CTS_CN 10 - Emerg Command Rm: Wire Pulls - Lighting	1	25-Feb-20	25-Feb-20	-192						CTS_CN 10 - Emerg Command Rm: Wire Pulls - Lighting
CTS.26.50.602	CTS_CN 20 - Womens Restroom: Hang Light Fixtures & Terminate	2	24-Feb-20	25-Feb-20	-203						CTS_CN 20 - Womens Restroom: Hang Light Fixtures & Terminate
CTS.26.50.626	CTS_CN 04 - Corridor: Hang Fixtures & Terminate	1	25-Feb-20	25-Feb-20	-187						CTS_CN 04 - Corridor: Hang Fixtures & Terminate
CTS.26.05.650	CTS_CN 11 - Storage Rm: Hang Light Fixtures & Terminate	1	25-Feb-20	25-Feb-20	-219						CTS_CN 11 - Storage Rm: Hang Light Fixtures & Terminate
CTS.26.05.695	CTS_CN 03 - Ticketing Hall: Pull Wire & Set Receptacles	4	20-Feb-20	25-Feb-20	-187						CTS_CN 03 - Ticketing Hall: Pull Wire & Set Receptacles
CTS.26.50.518	CTS_CN 13 - Concessions: Install - Conduit & Devices for Lighting	5	12-Nov-19 A	26-Feb-20	-197						CTS_CN 13 - Concessions: Install - Conduit & Devices for Lighting
CTS.26.50.600	CTS_CN 22 - Mens Restroom: Install - Conduit & Boxes For Lighting	5	04-Nov-19 A	26-Feb-20	-207						CTS_CN 22 - Mens Restroom: Install - Conduit & Boxes For Lighting
CTS.26.50.532	CTS_CN 06 - Stair 6: Install - Conduit & Devices for Lighting	5	12-Nov-19 A	26-Feb-20	-177						CTS_CN 06 - Stair 6: Install - Conduit & Devices for Lighting
CTS.26.50.534	CTS_CN 07 - Elevator Control Closet: Install - Elevator Controller Cabinets & Disconnects	5	20-Feb-20	26-Feb-20	-192						CTS_CN 07 - Elevator Control Closet: Install - Elevator Controller Cabinets & Disconnects
CTS.26.50.536	CTS_CN 23 - Stair 5: Install - Conduit & Devices for Lighting	5	06-May-19 A	26-Feb-20	-192						CTS_CN 23 - Stair 5: Install - Conduit & Devices for Lighting
CTS.28.20.432	CTS_CN 01: Set & Hook up - CCTV Cameras (8 each) - Sector 2	5	07-Oct-19 A	26-Feb-20	-188						CTS_CN 01: Set & Hook up - CCTV Cameras (8 each) - Sector 2
CTS.26.05.996	CTS_CN 07 - Elevator Control Closet: Hang Fixtures & Terminate	2	25-Feb-20	26-Feb-20	-173						CTS_CN 07 - Elevator Control Closet: Hang Fixtures & Terminate
CTS.26.05.570	CTS_CN 10 - Emerg Command Rm: Install Fixtures & Terminate	1	26-Feb-20	26-Feb-20	-192						CTS_CN 10 - Emerg Command Rm: Install Fixtures & Terminate
CTS.26.05.665	CTS_CN 24 - Valve Rm: Hang Fixtures & Terminate	2	25-Feb-20	26-Feb-20	-189						CTS_CN 24 - Valve Rm: Hang Fixtures & Terminate
CTS.26.50.660	CTS_CN 05 - Storage Rm: Hang Fixtures & Terminate	2	25-Feb-20	26-Feb-20	-188						CTS_CN 05 - Storage Rm: Hang Fixtures & Terminate
CTS.26.50.524	CTS_CN 19 - Womens Staff Lockers: Install - Conduit & Devices for Lighting	5	12-Nov-19 A	26-Feb-20	-206						CTS_CN 19 - Womens Staff Lockers: Install - Conduit & Devices for Lighting
CTS.28.20.500	CTS_CN 24 - Valve Rm: Set & Hook up - CCTV Camera (1 each)	1	14-Oct-19 A	27-Feb-20	-189						CTS_CN 24 - Valve Rm: Set & Hook up - CCTV Camera (1 each)
CTS.26.50.550	CTS_CN 13 - Concessions: Install - Conduit & Devices For Power	5	08-Oct-18 A	03-Mar-20	-197						CTS_CN 13 - Concessions: Install - Conduit & Devices For Power
CTS.28.31.516	CTS_CN 10 - Emergency Command Rm: Set & Hook up - Fire Alarm Control Panel	4	19-Nov-19 A	03-Mar-20	-192						CTS_CN 10 - Emergency Command Rm: Set & Hook up - Fire Alarm Control Panel
CTS.26.50.564	CTS_CN 06 - Stair 6: Hang Light Fixtures	4	27-Feb-20	03-Mar-20	-177						CTS_CN 06 - Stair 6: Hang Light Fixtures
CTS.26.50.632	CTS_CN 07 - Elevator Control Closet: Pull Wire To Elevators 3 & 4.	4	27-Feb-20	03-Mar-20	-192						CTS_CN 07 - Elevator Control Closet: Pull Wire To Elevators 3 & 4.
CTS.26.50.634	CTS_CN 23 - Stair 5: Hang Light Fixtures	4	27-Feb-20	03-Mar-20	-192						CTS_CN 23 - Stair 5: Hang Light Fixtures
CTS.26.50.616	CTS_CN 13 - Concessions: Pull Wire - Lighting	4	27-Feb-20	03-Mar-20	-197						CTS_CN 13 - Concessions: Pull Wire - Lighting
CTS.26.50.622	CTS_CN 19 - Womens Staff Lockers: Pull Wire For Lighting	4	27-Feb-20	03-Mar-20	-206						CTS_CN 19 - Womens Staff Lockers: Pull Wire For Lighting
CTS.26.50.514	CTS_CN 14 - Trash Rm: Install - Conduit & Devices Lighting	2	04-Nov-19 A	05-Mar-20	-224						CTS_CN 14 - Trash Rm: Install - Conduit & Devices Lighting
CTS.26.50.612	CTS_CN 14 - Trash Rm: Pull Wire - Lighting	1	06-Mar-20	06-Mar-20	-224						CTS_CN 14 - Trash Rm: Pull Wire - Lighting
CTS.26.33.502	CTS_CN 08 - Aux Elect Rm: Install - UPS Battery Cabinets - 4 ea	5	04-Mar-20	10-Mar-20	-230						CTS_CN 08 - Aux Elect Rm: Install - UPS Battery Cabinets - 4 ea
CTS.26.50.644	CTS_CN 14 - Trash Rm: Hang Light Fixtures & Terminate	2	09-Mar-20	10-Mar-20	-224						CTS_CN 14 - Trash Rm: Hang Light Fixtures & Terminate
CTS.26.50.648	CTS_CN 13 - Concessions: Pull Wire - Power	5	04-Mar-20	10-Mar-20	-197						CTS_CN 13 - Concessions: Pull Wire - Power
CTS.26.50.654	CTS_CN 19 - Womens Staff Lockers: Hang Light Fixtures & Terminate	5	04-Mar-20	10-Mar-20	-206						CTS_CN 19 - Womens Staff Lockers: Hang Light Fixtures & Terminate
CTS.26.05.670	CTS_CN 13 - Concessions: Hang Fixtures & Terminate	5	04-Mar-20	10-Mar-20	-197						CTS_CN 13 - Concessions: Hang Fixtures & Terminate
CTS.26.50.526	CTS_CN 03 - Ticketing Hall: Install - Overhead Lighting Conduit & Devices	5	06-Mar-20	12-Mar-20	-223						CTS_CN 03 - Ticketing Hall: Install - Overhead Lighting Conduit & Devices
CTS.26.33.504	CTS_CN 08 - Aux Elect Rm: Install - UPS-2 Cabinet - 1 ea	5	11-Mar-20	17-Mar-20	-230						CTS_CN 08 - Aux Elect Rm: Install - UPS-2 Cabinet - 1 ea
CTS.26.05.986	CTS_CN 13 - Concessions: Terminate Power Devices	5	11-Mar-20	17-Mar-20	-172						CTS_CN 13 - Concessions: Terminate Power Devices
CTS.26.50.558	CTS_CN 03 - Ticketing Hall: - Lighting Wire Pulls	5	13-Mar-20	19-Mar-20	-223						CTS_CN 03 - Ticketing Hall: - Lighting Wire Pulls
CTS.26.50.624	CTS_CN 03 - Ticketing Hall: Pull Wire & Set Light Switches/Sensors	5	13-Mar-20	19-Mar-20	-204						CTS_CN 03 - Ticketing Hall: Pull Wire & Set Light Switches/Sensors
CTS.26.24.524	CTS_CN 08 - Aux Elect Rm: Install - Panelboard 4P	3	18-Mar-20	20-Mar-20	-230						CTS_CN 08 - Aux Elect Rm: Install - Panelboard 4P
CTS.26.50.656	CTS_CN 03 - Ticketing Hall: Hang Light Fixtures & Terminate	5	20-Mar-20	26-Mar-20	-223						CTS_CN 03 - Ticketing Hall: Hang Light Fixtures & Terminate
CTS.26.24.620	CTS_CN 08 - Aux Elect Rm: Install - Panelboard LCP-4	5	23-Mar-20	27-Mar-20	-230						CTS_CN 08 - Aux Elect Rm: Install - Panelboard LCP-4

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2020					2021	
						Q4	Q1	Q2	Q3	Q4	Q1	
CTS.26.24.670	CTS_CN 08 - Aux Elect Rm: Terminations - Panelboard 4P - Receptacles	5	23-Mar-20	27-Mar-20	-195							CTS_CN 08 - Aux Elect Rm: Terminations - Panelboard 4P - Receptacles
CTS.26.12.506	CTS_CN 08 - Aux Elect Rm: Install - Transformer T-6	5	23-Mar-20	27-Mar-20	-220							CTS_CN 08 - Aux Elect Rm: Install - Transformer T-6
CTS.26.24.610	CTS_CN 02 - Station Agent Booth: Install - Panelboard	5	26-Mar-20	01-Apr-20	-218							CTS_CN 02 - Station Agent Booth: Install - Panelboard
CTS.26.05.526	CTS_CN 08 - Aux Elect Rm: Install - System Ground Bus	5	09-Dec-19 A	03-Apr-20	-220							CTS_CN 08 - Aux Elect Rm: Install - System Ground Bus
CTS.26.50.560	CTS_CN 02 - Station Agent Booth: Install - Lighting	3	01-Apr-20	03-Apr-20	-230							CTS_CN 02 - Station Agent Booth: Install - Lighting
CTS.26.24.630	CTS_CN 08 - Aux Elect Rm: Install - Panelboard 4HL	5	30-Mar-20	03-Apr-20	-230							CTS_CN 08 - Aux Elect Rm: Install - Panelboard 4HL
CTS.26.24.680	CTS_CN 08 - Aux Elect Rm: Terminations - Panelboard LCP-4 - Lighting Control	5	30-Mar-20	03-Apr-20	-206							CTS_CN 08 - Aux Elect Rm: Terminations - Panelboard LCP-4 - Lighting Control
CTS.26.50.506	CTS_CN 08 - Aux Elect Rm: Install - Conduit & Boxes for Lighting	2	28-Oct-19 A	07-Apr-20	-220							CTS_CN 08 - Aux Elect Rm: Install - Conduit & Boxes for Lighting
CTS.26.50.586	CTS_CN 08 - Aux Elect Rm: Pull Wire - Lighting	1	08-Apr-20	08-Apr-20	-220							CTS_CN 08 - Aux Elect Rm: Pull Wire - Lighting
CTS.26.05.700	CTS_CN 02 - Station Agent Booth: Pull Wire - Power	5	02-Apr-20	08-Apr-20	-218							CTS_CN 02 - Station Agent Booth: Pull Wire - Power
CTS.26.50.668	CTS_CN 22 - Mens Restroom: Pull Wire - Lighting	5	06-Apr-20	10-Apr-20	-234							CTS_CN 22 - Mens Restroom: Pull Wire - Lighting
CTS.26.24.640	CTS_CN 08 - Aux Elect Rm: Install - Panelboard E4HL	5	06-Apr-20	10-Apr-20	-230							CTS_CN 08 - Aux Elect Rm: Install - Panelboard E4HL
CTS.26.24.690	CTS_CN 08 - Aux Elect Rm: Terminations - Panelboard 4HL - Public Lighting	5	06-Apr-20	10-Apr-20	-211							CTS_CN 08 - Aux Elect Rm: Terminations - Panelboard 4HL - Public Lighting
CTS.26.50.604	CTS_CN 08 - Aux Elect Rm: Hang Fixtures & Terminate	2	09-Apr-20	10-Apr-20	-220							CTS_CN 08 - Aux Elect Rm: Hang Fixtures & Terminate
CTS.26.50.652	CTS_CN 16 - Break Rm: Hang Fixtures & Terminate	2	09-Apr-20	10-Apr-20	-220							CTS_CN 16 - Break Rm: Hang Fixtures & Terminate
CTS.26.50.658	CTS_CN 02 - Station Agent Booth: Pull Wire & Set Light Fixtures	5	06-Apr-20	10-Apr-20	-230							CTS_CN 02 - Station Agent Booth: Pull Wire & Set Light Fixtures
CTS.28.31.526	CTS_CN 02 - Station Agent Booth Rm: Security & Communications Equipment	5	14-Oct-19 A	17-Apr-20	-230							CTS_CN 02 - Station Agent Booth Rm: Security & Communications Equipment
CTS.26.24.700	CTS_CN 08 - Aux Elect Rm: Terminations - Panelboard E4HL - Emergency Lighting	5	13-Apr-20	17-Apr-20	-216							CTS_CN 08 - Aux Elect Rm: Terminations - Panelboard E4HL - Emergency Lighting
CTS.26.24.710	CTS_CN 08 - Aux Elect Rm: Terminations - Panelboard E4P1 - Fire Smoke Dampers, Clean Agent P	5	13-Apr-20	17-Apr-20	-210							CTS_CN 08 - Aux Elect Rm: Terminations - Panelboard E4P1 - Fire Smoke Dampers, Clean Agent Pa
CTS.26.24.712	CTS_CN 08 - Aux Elect Rm: Pull Wire - Panelboard EDHL - Power Feeders (Emerg Ltg)	5	13-Apr-20	17-Apr-20	-230							CTS_CN 08 - Aux Elect Rm: Pull Wire - Panelboard EDHL - Power Feeders (Emerg Ltg)
CTS.26.24.650	CTS_CN 08 - Aux Elect Rm: Install - Panelboard E4P1	5	13-Apr-20	17-Apr-20	-230							CTS_CN 08 - Aux Elect Rm: Install - Panelboard E4P1
CTS.26.24.660	CTS_CN 08 - Aux Elect Rm: Install - Panelboard EDHL	5	13-Apr-20	17-Apr-20	-230							CTS_CN 08 - Aux Elect Rm: Install - Panelboard EDHL
CTS.26.50.672	CTS_CN 20 - Womens Restroom: Install - Conduit & Boxes For Light Fixtures	5	28-Oct-19 A	20-Apr-20	-230							CTS_CN 20 - Womens Restroom: Install - Conduit & Boxes For Light Fixtures
CTS.26.50.674	CTS_CN 22 - Mens Restroom: Hang Light Fixtures & Terminate	5	15-Apr-20	21-Apr-20	-236							CTS_CN 22 - Mens Restroom: Hang Light Fixtures & Terminate
CTS.26.24.720	CTS_CN 08 - Aux Elect Rm: Terminations - Panelboard EDHL - Power Feeders	4	20-Apr-20	23-Apr-20	-230							CTS_CN 08 - Aux Elect Rm: Terminations - Panelboard EDHL - Power Feeders
CTS.26.11.925	CTS_CN 08 - Aux Elect Rm: Energize - Panelboard EDHL	1	24-Apr-20	24-Apr-20	-230							CTS_CN 08 - Aux Elect Rm: Energize - Panelboard EDHL
CTS.26.11.930	CTS_CN 08 - Aux Elect Rm: Energize - Lighting Panelboards	1	27-Apr-20	27-Apr-20	-221							CTS_CN 08 - Aux Elect Rm: Energize - Lighting Panelboards
Platform Level		337	07-May-18 A	28-Apr-20	-193							
Under Platform Level		288	17-Dec-18 A	10-Mar-20	-197							
Electrical - Transportation		123	07-Oct-19 A	06-Apr-20	-224							
Architectual Finishes		287	26-Apr-19 A	10-Jun-20	-210							
Conveyances		80	30-Dec-19 A	14-May-20	160							
Startup & Testing		82	13-Mar-20	06-Jul-20	-241							
No 13-Disp		1748	06-Sep-13 A	26-Sep-20	726							
Construction YBM Station P-1255		1749	04-Mar-14 A	28-Sep-20	725							
Preconstruction		15	27-Aug-18 A	27-Jan-20	-120							
Concrete/Shotcrete		587	13-Nov-17 A	08-Apr-20	-188							
Electrical		189	18-Jul-19 A	09-Apr-20	-220							
Electrical - Transportation		219	28-May-19 A	16-Mar-20	-202							
Platform Level		14	17-Feb-20	05-Mar-20	-189							
Under Platform Level		212	28-May-19 A	16-Mar-20	-214							
YBM.34.21.1095	YBM_IV 302 - Traction Power Rm: Set & Assemble - DC Switchgear	15	03-Jun-19 A	11-Feb-20	-225							YBM_IV 302 - Traction Power Rm: Set & Assemble - DC Switchgear
YBM.34.21.1185	YBM_IV 302 - Traction Power Rm: Install - AC Control Cable Tray	5	05-Feb-20	11-Feb-20	-210							YBM_IV 302 - Traction Power Rm: Install - AC Control Cable Tray
YBM.34.21.1065	YBM_IV 302 - Traction Power Rm: Install - Auxiliary Panel K02	5	26-Jun-19 A	11-Feb-20	-219							YBM_IV 302 - Traction Power Rm: Install - Auxiliary Panel K02
YBM.34.21.1085	YBM_IV 302 - Traction Power Rm: Install - Supervisory Panel SV01	5	28-May-19 A	11-Feb-20	-214							YBM_IV 302 - Traction Power Rm: Install - Supervisory Panel SV01
YBM.34.22.0330	YBM_IV 302 - Traction Power Rm: Pull - Traction Power Cables Pullbox B-01 To PS03	2	12-Feb-20	13-Feb-20	-204							YBM_IV 302 - Traction Power Rm: Pull - Traction Power Cables Pullbox B-01 To PS03
YBM.34.21.1175	YBM_IV 302 - Traction Power Rm: Install Conduit Between AC & DC Switchgear	2	12-Feb-20	13-Feb-20	-199							YBM_IV 302 - Traction Power Rm: Install Conduit Between AC & DC Switchgear
YBM.34.22.0340	YBM_IV 302 - Traction Power Rm: Pull - Traction Power Cables Pullbox B02 To PS05	2	14-Feb-20	17-Feb-20	-204							YBM_IV 302 - Traction Power Rm: Pull - Traction Power Cables Pullbox B02 To PS05
YBM.34.21.1195	YBM_IV 302 - Traction Power Rm: Pull & Terminate Power Cable Between AC & DC Switchgear	2	14-Feb-20	17-Feb-20	-199							YBM_IV 302 - Traction Power Rm: Pull & Terminate Power Cable Between AC & DC Switchgear
YBM.34.21.1145	YBM_IV 302 - Traction Power Rm: Install - DC Control Cable Tray	5	12-Feb-20	18-Feb-20	-205							YBM_IV 302 - Traction Power Rm: Install - DC Control Cable Tray

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2020					2021
						Q4	Q1	Q2	Q3	Q4	Q1
YBM.34.21.1075	YBM_IV 302 - Traction Power Rm: Install - Annunciator Panel K01	5	03-Jul-19 A	18-Feb-20	-219						
YBM.34.22.0360	YBM_IV 302 - Traction Power Rm: Pull - Traction Power Cables Pullbox B-01 To PS06	2	18-Feb-20	19-Feb-20	-204						
YBM.34.21.1125	YBM_IV 302 - Traction Power Rm: Install - Negative Feeder Cable Tray	5	17-Feb-20	21-Feb-20	-208						
YBM.34.22.0370	YBM_IV 302 - Traction Power Rm: Pull - Traction Power Cables PS06 to PS02	2	20-Feb-20	21-Feb-20	-204						
YBM.34.21.1105	YBM_IV 302 - Traction Power Rm: Install - Supervisory Control Cable Tray	4	19-Feb-20	24-Feb-20	-219						
YBM.34.22.0380	YBM_IV 302 - Traction Power Rm: Pull - Traction Power Cables Pullbox B02 To PS01	2	24-Feb-20	25-Feb-20	-204						
YBM.34.21.1165	YBM_IV 302 - Traction Power Rm: Terminations - DC Switchgear	10	12-Feb-20	25-Feb-20	-200						
YBM.34.21.1235	YBM_IV 302 - Traction Power Rm: Pull Wire - DC Control	5	19-Feb-20	25-Feb-20	-205						
YBM.34.22.0390	YBM_IV 302 - Traction Power Rm: Pull - Traction Power Cables PS01 to PS04	2	26-Feb-20	27-Feb-20	-204						
YBM.34.21.1255	YBM_IV 302 - Traction Power Rm: Pull Cable - Negative Feeder	5	24-Feb-20	28-Feb-20	-208						
YBM.34.21.1205	YBM_IV 302 - Traction Power Rm: Pull & Terminate AC Control Cable	15	12-Feb-20	03-Mar-20	-210						
YBM.34.21.1245	YBM_IV 302 - Traction Power Rm: Terminate - DC Control	5	26-Feb-20	03-Mar-20	-205						
YBM.34.21.1265	YBM_IV 302 - Traction Power Rm: Terminations - Negative Feeder (By 1256)	5	02-Mar-20	06-Mar-20	-208						
YBM.34.21.1115	YBM_IV 302 - Traction Power Rm: Pull & Terminate - Supervisory Control Cable	15	25-Feb-20	16-Mar-20	-219						
Conveyances		482	06-Apr-18 A	16-Apr-20	-219						
Startup & Testing		40	22-Apr-20	16-Jun-20	-222						
No 13-Disp		1749	04-Mar-14 A	28-Sep-20	725						
Construction STS P-1256		1726	13-Jan-14 A	26-Sep-20	726						
Preconstruction		15	27-Aug-18 A	11-Feb-20	-132						
Concrete/Shotcrete		346	10-Aug-18 A	03-Feb-20	-166						
Tunnel Concrete		499	22-Jan-18 A	03-Jun-20	-213						
Platform Level		499	22-Jan-18 A	03-Jun-20	-213						
STS.21.12.350	STS_Install SB Tunnel Walkway Deluge Piping - Chinatown Station to North Limit	3	28-Oct-19 A	27-Jan-20	-179						
STS.21.12.410	STS_Install NB Tunnel Walkway Deluge Piping - Tunnel Portal	3	27-May-19 A	27-Jan-20	-187						
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	27-Jan-20	-194						
STS.21.12.330	STS_Install SB Tunnel Walkway Deluge Piping - Moscone to Union Square - 1,950 LF	7	02-Aug-18 A	28-Jan-20	-192						
STS.21.12.400	STS_Install NB Tunnel Walkway Deluge Piping - Chinatown Station to North Limit	3	26-Aug-19 A	28-Jan-20	-178						
STS.22.15.530	STS_Install Ground Hydrants 4th/Brannan Station	3	22-Jan-18 A	29-Jan-20	-138						
STS.05.52.180	STS_Install Handrails - Chinatown Station / Tunnel Interface	3	27-Jan-20	29-Jan-20	-176						
STS.05.52.190	STS_Install Handrails - Chinatown Crossover / Tunnel Interface	3	27-Jan-20	29-Jan-20	-176						
STS.05.52.0130	STS_Install NB Tunnel Walkway Handrails - Chinatown Station to North Limit	3	27-Jan-20	29-Jan-20	-176						
STS.05.52.0170	STS_Install SB Tunnel Walkway Handrails - Chinatown Station to North Limit	3	27-Jan-20	29-Jan-20	-176						
STS.07.80.0260	STS_Install SB Tunnel Walkway ARS Fire Blanket - Chinatown Station to North Limit	3	27-Jan-20	30-Jan-20	-179						
STS.07.80.0220	STS_Install NB Tunnel Walkway ARS Fire Blanket - Tunnel Portal	3	27-Jan-20	30-Jan-20	-187						
STS.22.16.590	STS_Install SB Tunnel Walkway ARS Fire Blanket Metal Cover - Tunnel Portal	3	26-Sep-19 A	30-Jan-20	-187						
STS.07.80.0210	STS_Install NB Tunnel Walkway ARS Fire Blanket - Chinatown Station to North Limit	3	28-Jan-20	31-Jan-20	-178						
STS.05.52.0135	STS_Install NB Tunnel Walkway Handrails - Tunnel Portal NB	5	26-Dec-19 A	31-Jan-20	-178						
STS.21.12.320	STS_Install SB Tunnel Walkway Deluge Piping - Union Square to China Town 2,422 LF	8	30-Jul-19 A	03-Feb-20	-190						
STS.05.52.0120	STS_Install NB Tunnel Walkway Handrails - Portal to Moscone 1,300 LF	7	28-Oct-19 A	04-Feb-20	-180						
STS.07.80.0200	STS_Install NB Tunnel Walkway ARS Fire Blanket - Portal to Moscone 1,300 LF	5	30-Jan-20	06-Feb-20	-181						
STS.07.80.0240	STS_Install SB Tunnel Walkway ARS Fire Blanket - Moscone to Union Square - 1,950 LF	7	28-Jan-20	06-Feb-20	-192						
STS.05.52.0150	STS_Install SB Tunnel Walkway Handrails - Moscone to Union Square - 1,950 LF	10	27-Jan-20	07-Feb-20	-183						
STS.05.52.0100	STS_Install NB Tunnel Walkway Handrails - Union Square to China Town 2,422 LF	12	26-Dec-19 A	11-Feb-20	-185						
STS.05.52.0140	STS_Install SB Tunnel Walkway Handrails - Union Square to China Town 2,422 LF	12	26-Dec-19 A	12-Feb-20	-186						
STS.21.12.360	STS_Install SB Tunnel Walkway Deluge Piping - Tunnel Portal	3	26-Apr-18 A	13-Feb-20	-205						
STS.07.80.0230	STS_Install SB Tunnel Walkway ARS Fire Blanket - Union Square to China Town 2,422 LF	8	03-Feb-20	13-Feb-20	-190						
STS.05.50.530	STS_Install Sump Pumps Cover & Ladder - Passage #5	3	17-Jul-18 A	18-Feb-20	-190						
STS.07.80.0270	STS_Install SB Tunnel Walkway ARS Fire Blanket - Tunnel Portal	3	13-Feb-20	18-Feb-20	-205						
STS.05.52.200	STS_Install Handrails - Union Square Station / Tunnel Interface	3	17-Feb-20	19-Feb-20	-191						
STS.05.52.210	STS_Install Handrails - Moscone Station / Tunnel Interface	3	17-Feb-20	19-Feb-20	-191						

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2020				2021	
						Q4	Q1	Q2	Q3	Q4	Q1
STS.05.52.0180	STS_Install SB Tunnel Walkway Handrails - Tunnel Portal SB	5	13-Feb-20	19-Feb-20	-198						
STS.07.80.0250	STS_Install SB Tunnel Walkway ARS Fire Blanket - Portal to Moscone 1,300 LF	5	18-Feb-20	25-Feb-20	-205						
STS.07.80.0190	STS_Install NB Tunnel Walkway ARS Fire Blanket - Moscone to Union Square - 1,950 LF	7	17-Feb-20	25-Feb-20	-195						
STS.22.16.600	STS_Install SB Tunnel Walkway ARS Fire Blanket Metal Cover - Portal to Moscone 1,300 LF	5	26-Sep-19 A	26-Feb-20	-205						
STS.21.12.370	STS_Install NB Tunnel Walkway Deluge Piping - Union Square to China Town 2,422 LF	8	26-Apr-19 A	27-Feb-20	-205						
STS.05.52.0110	STS_Install NB Tunnel Walkway Handrails - Moscone to Union Square - 1,950 LF	10	26-Dec-19 A	28-Feb-20	-198						
STS.05.52.0160	STS_Install SB Tunnel Walkway Handrails - Portal to Moscone 1,300 LF	7	20-Feb-20	28-Feb-20	-198						
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	06-Mar-20	-205						
STS.07.80.0180	STS_Install NB Tunnel Walkway ARS Fire Blanket - Union Square to China Town 2,422 LF	8	28-Feb-20	10-Mar-20	-205						
STS.22.16.610	STS_Install SB Tunnel Walkway ARS Fire Blanket Metal Cover - Chinatown Station to North Limit	3	03-Oct-19 A	11-Mar-20	-205						
STS.09.30.230	STS_Install Accent Tiles - 4th/Brannan Station	10	10-Mar-20	23-Mar-20	-191						
STS.22.14.520	STS_Install Sump Pumps Cross Passage #5	3	23-Mar-20	25-Mar-20	-216						
STS.09.30.250	STS_Install Directional Tiles - 4th/Brannan Station	10	24-Mar-20	06-Apr-20	-188						
STS.09.62.240	STS_Install Tactile Warning Strip - 4th/Brannan Station	10	07-Oct-19 A	08-Apr-20	-188						
STS.05.52.220	STS_Install Handrails & Gates - 4th/Brannan Station	10	15-Apr-20	28-Apr-20	-202						
STS.09.00.997	STS_Architectural Punchlist - 4th/Brannan Station & Tunnels	15	14-May-20	03-Jun-20	-213						
Structural Steel		15	03-Sep-18 A	28-Jan-20	-205						
Electrical		168	12-Aug-19 A	07-May-20	-209						
Upper Mezz Level		6	25-Mar-20	01-Apr-20	-193						
CTS.27.21.110	CTS_UM 07 - Aux Elect Rm: Install - SCADA Cabinet	5	25-Mar-20	31-Mar-20	-192						
CTS.27.21.120	CTS_UM 07 - Aux Elect Rm: Terminations - SCADA Cabinet	5	26-Mar-20	01-Apr-20	-206						
Lower Mezz Level		25	20-Feb-20	25-Mar-20	-178						
STS.27.21.130	STS_LM 08 - Communications Rm: Install - SCADA Terminal Block Cabinet	5	20-Feb-20	26-Feb-20	-206						
STS.27.21.100	STS_LM 08 - Communications Rm: Install - SCADA Cable Tray	5	12-Mar-20	18-Mar-20	-173						
STS.27.21.140	STS_LM 08 - Communications Rm: Install - SCADA Grounding System	5	12-Mar-20	18-Mar-20	-216						
STS.27.21.150	STS_LM 08 - Communications Rm: Install - SCADA PLC Rack	5	12-Mar-20	18-Mar-20	-216						
STS.27.21.160	STS_LM 08 - Communications Rm: Install - SCADA Terminations	10	12-Mar-20	25-Mar-20	-216						
Intermediate Strut Level		143	12-Aug-19 A	02-Apr-20	-225						
UMS.26.24.4250	UMS_IS_01 -Elect Fan Rm: Install SCADA Cabinet	2	11-Mar-20	12-Mar-20	-225						
UMS.26.24.4260	UMS_IS_01 -Elect Fan Rm: Install SCADA System Raceway	10	12-Aug-19 A	26-Mar-20	-225						
UMS.26.24.4270	UMS_IS_01 -Elect Fan Rm: Pull Cabling - SCADA System	5	27-Mar-20	02-Apr-20	-225						
Mezzanine Level		7	29-Jan-20	06-Feb-20	-170						
Platform Level		7	29-Apr-20	07-May-20	-224						
Electrical - Transportation		15	27-Jan-20	14-Feb-20	-200						
Trackwork		644	14-Dec-17 A	20-Mar-20	199						
Track System Work		656	06-Jun-16 A	07-Apr-20	-225						
Startup & Testing		53	15-Jul-20	25-Sep-20	-295						
No 13-Disp		1726	13-Jan-14 A	26-Sep-20	726						
Surface Level		5	09-Apr-20	15-Apr-20	-178						
Station Roof Level		104	02-Apr-20 A	08-Apr-20	-178						
Upper Mezz Level		5	12-Oct-20 A	01-Apr-20	-178						
Lower Mezz Level		81	14-Oct-19 A	25-Mar-20	-178						
Concourse Level		59	05-Aug-19 A	01-Apr-20	-198						
Intermediate Strut Level		2	19-Oct-20 A	18-Mar-20	-221						
Mezzanine Level		81	18-Oct-19 A	16-Mar-20	-214						
Platform Strut Level		10	04-Oct-19 A	17-Feb-20	-221						
Platform Level		5	27-Sep-19 A	03-Feb-20	-221						
No 13-Level		1726	13-Jan-14 A	26-Sep-20	726						
Project Start Up		307	25-Sep-20	29-Jul-21	-422						
No 13-Disp		307	25-Sep-20	29-Jul-21	-422						
Unallocated Contingency		377	27-Jan-20	23-Jul-21	-289						

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2020					2021
						Q4	Q1	Q2	Q3	Q4	Q1
Project Management		505	26-Jul-21	10-Jul-23	0						
No 13-Disp		505	26-Jul-21	10-Jul-23	0						

Appendix C

PROJECT SCOPE AND FUNDING OVERVIEW

Project Overview

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

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

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

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

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



Project Overview - continued

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

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

Funding Overview

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

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

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

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

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

All amounts in millions of dollars

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

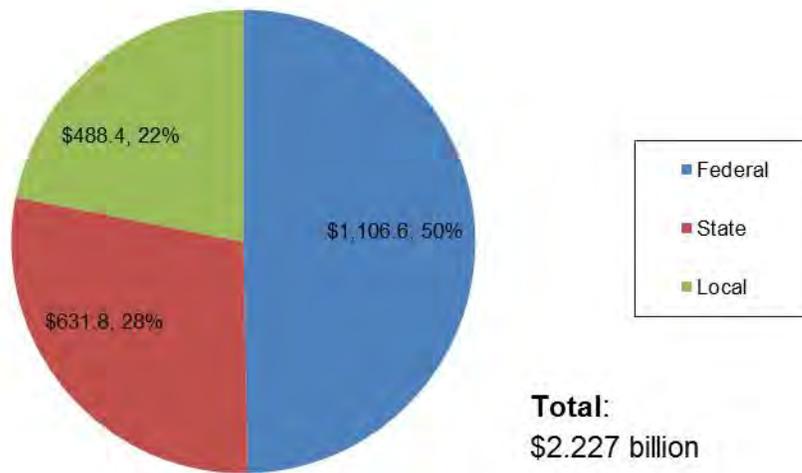
- Phase 1 + Phase 2 of the T Third Line federal, state and local funding percentages previous to the addition of the retrieval shaft relocation budget and funding in December 2013.

Funding Overview - continued

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

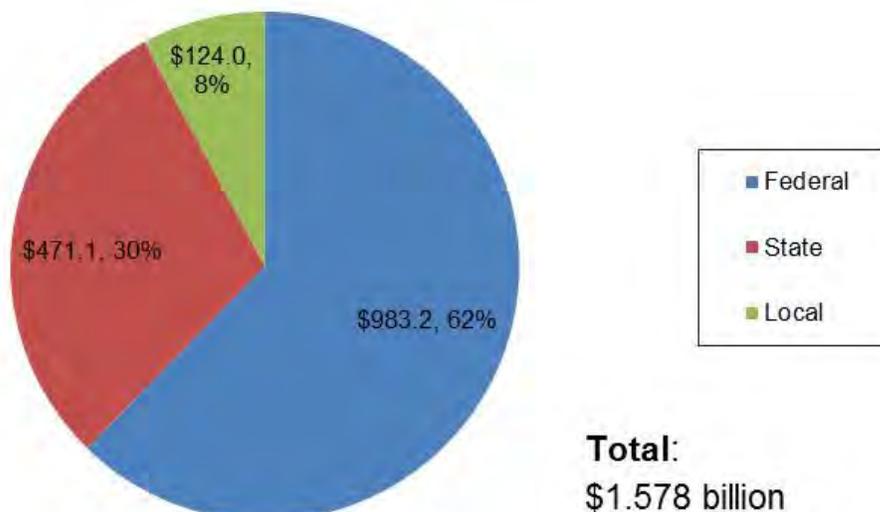
Third Street Light Rail Transit Project Funding

Phase 1 + Phase 2
(\$ in millions)



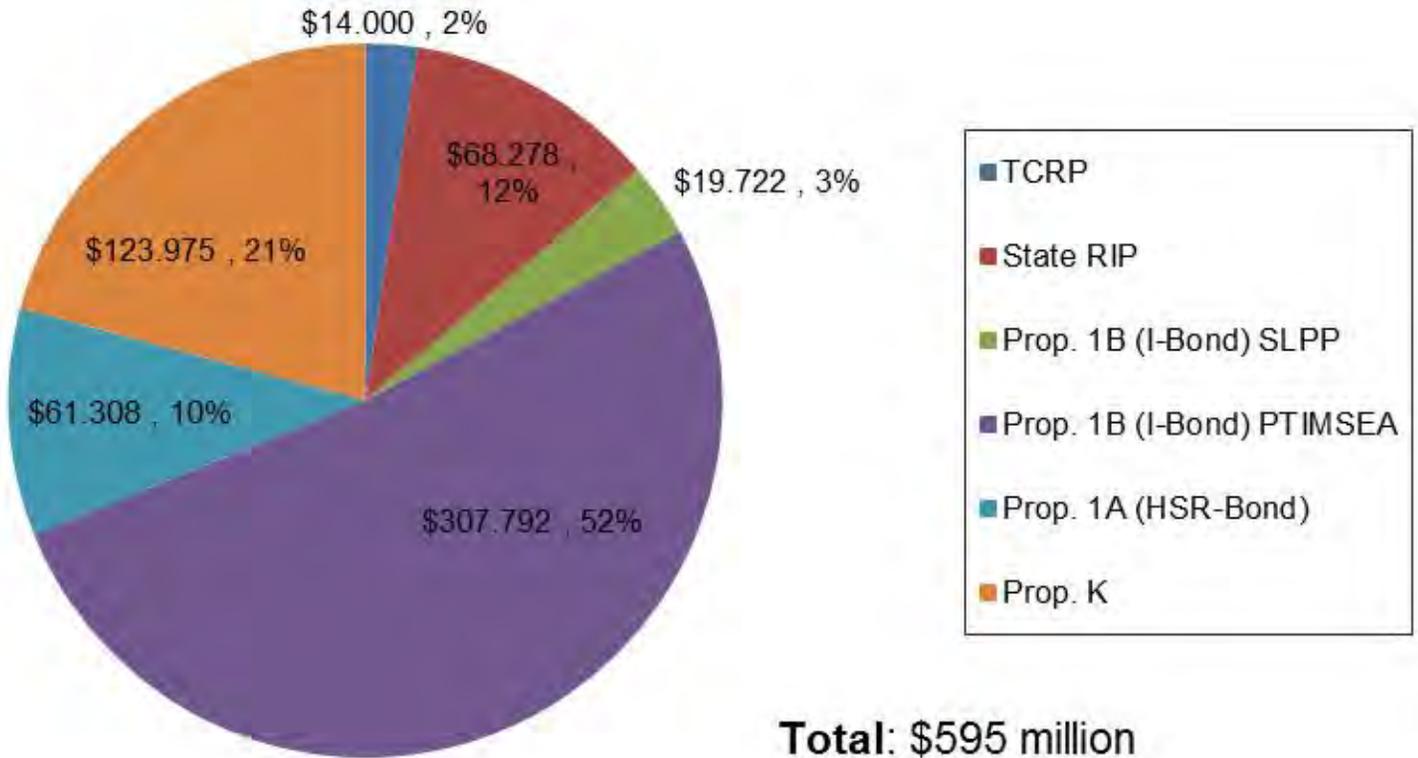
Central Subway Project Funding

Phase 2
(\$ in millions)



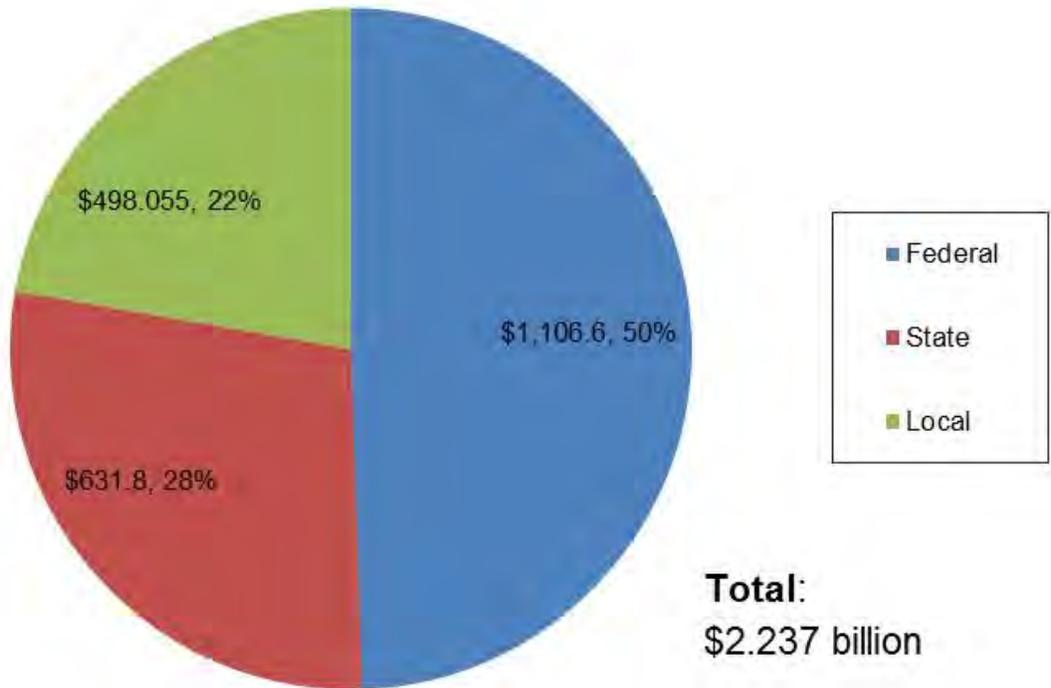
State and Local Funding

Phase 2
(\$ in millions)



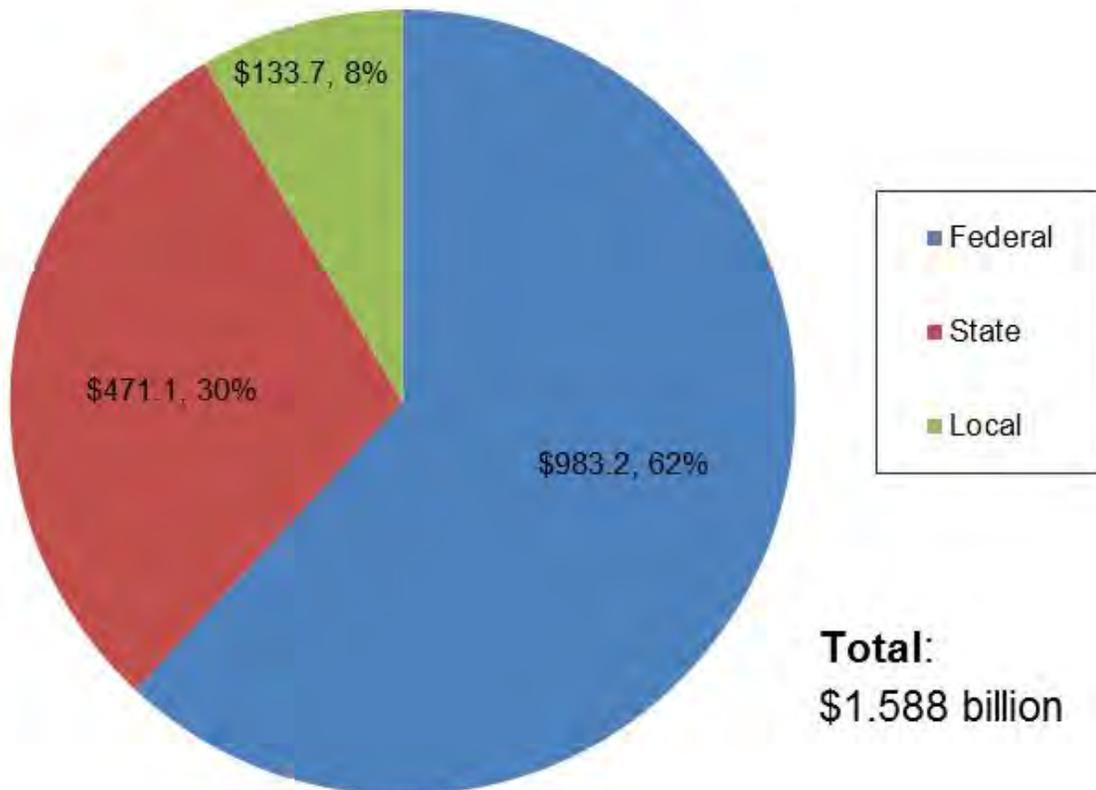
Third Street Light Rail Transit Project Funding

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

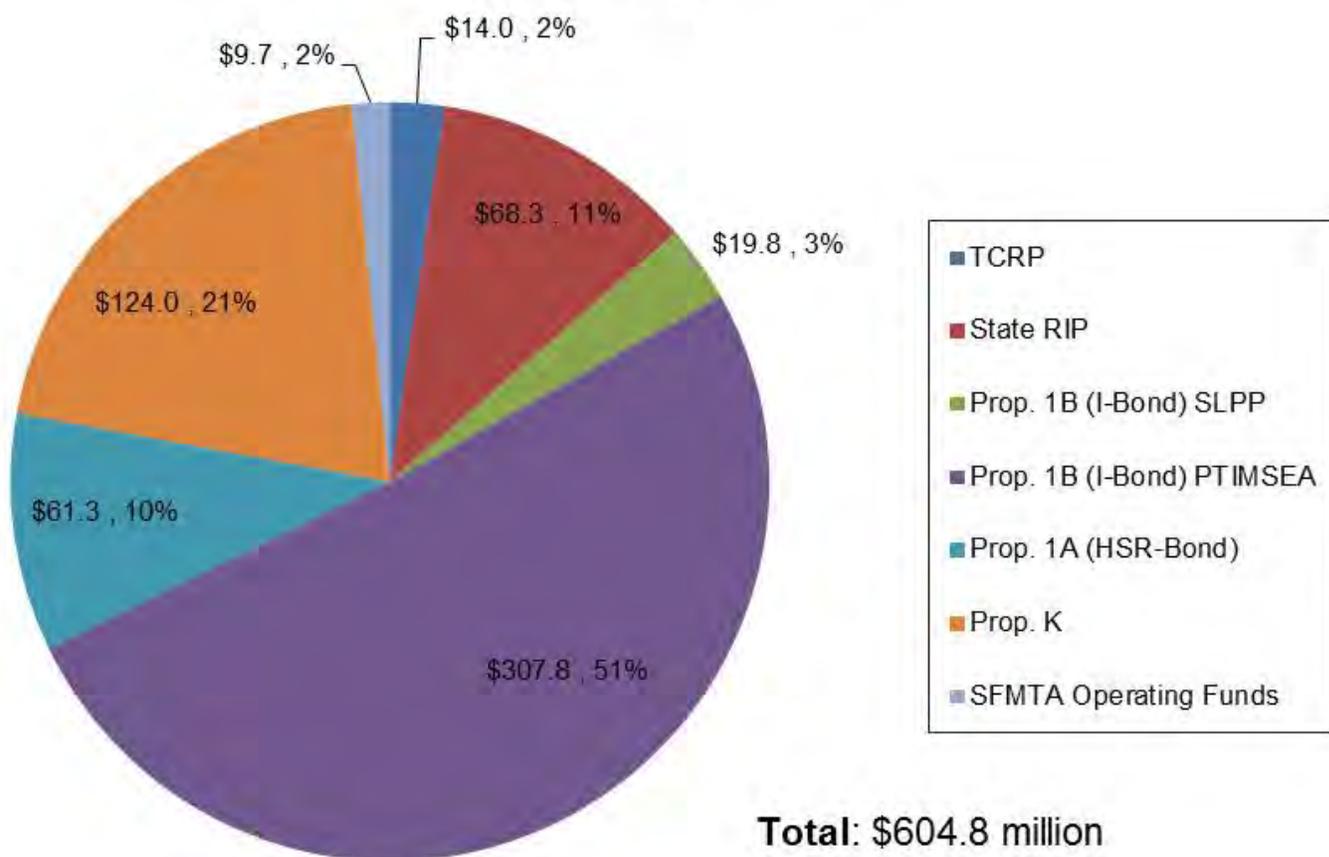


Central Subway Project Funding

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



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



Appendix D

COMPLETED CONTRACTS

Moscone Station and Portal Utility Relocation

Contract 1250

Contractor: Synergy Project Management, Inc.

Budget/Expenditures

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

Contract Details

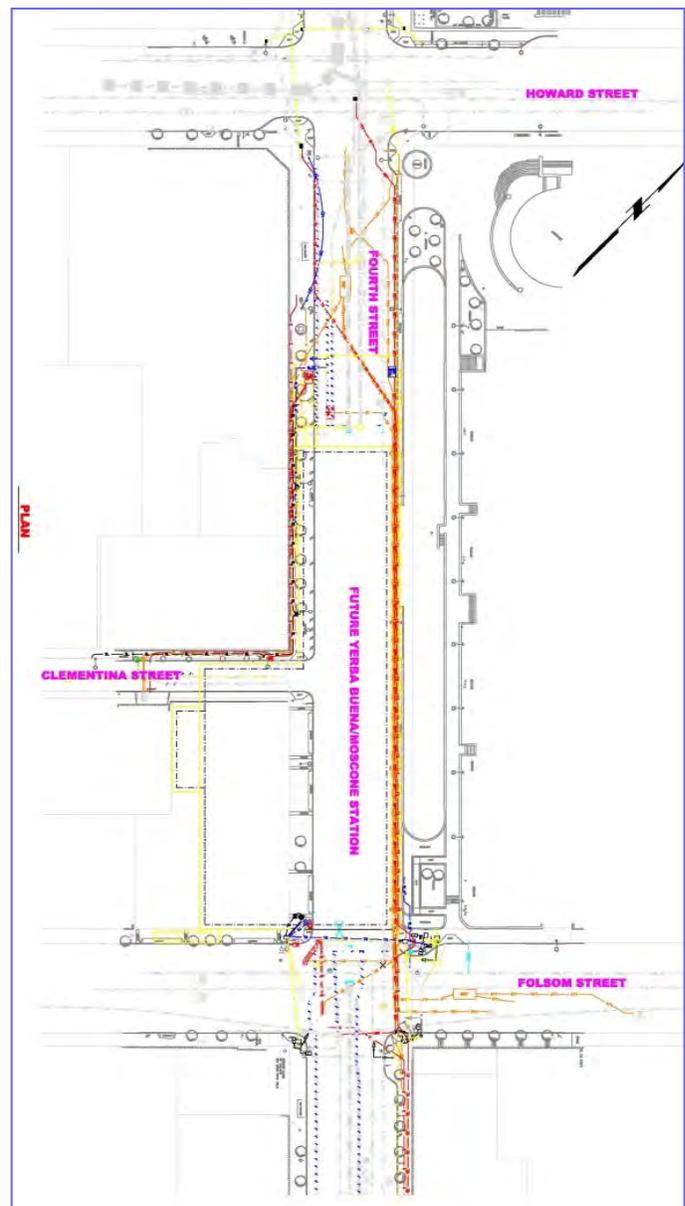
Contract Awarded:	November 17, 2009
Notice to Proceed:	January 4, 2010
Substantial Completion:	June 23, 2011
Contract Award Value:	\$ 9,273,939
Modifications Final :	\$ 2,694,211
Final Contract Value:	\$11,968,150

Status

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

Description

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



Union Square/Market Street Station Utility Relocation

Contract 1251

Contractor: Synergy Project Management, Inc.

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

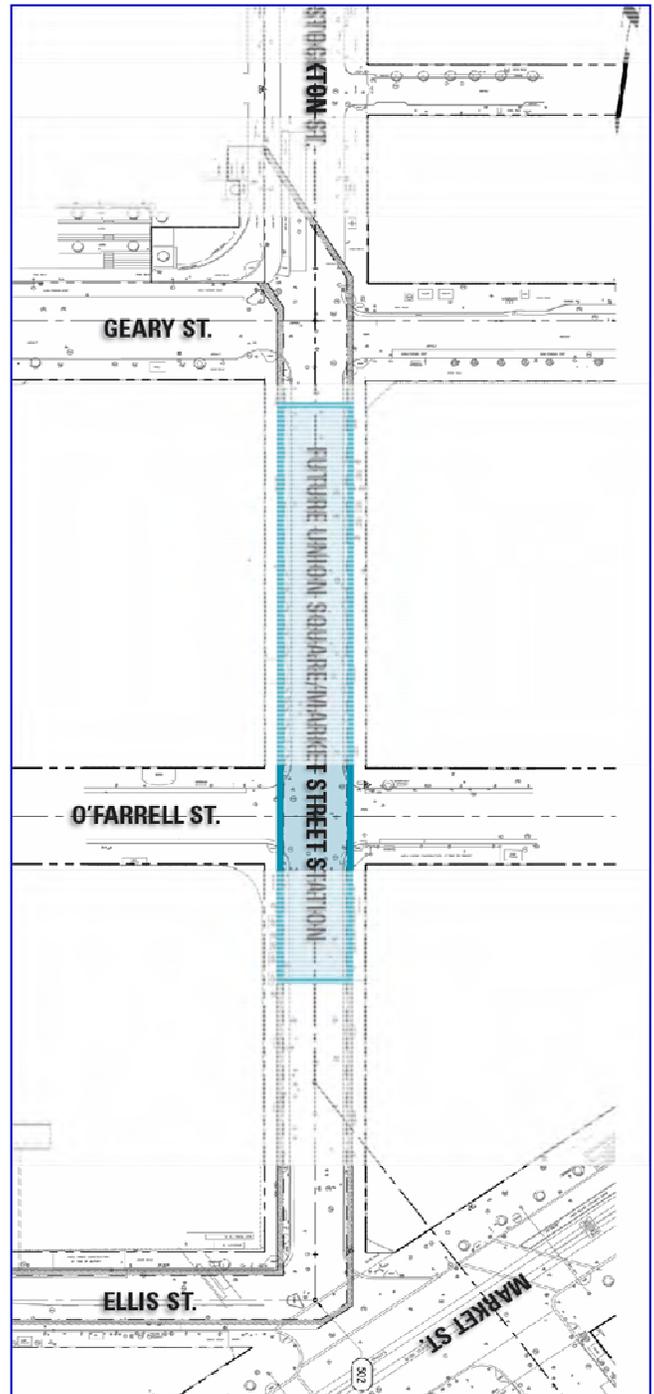
Contract Details	
Contract Awarded:	December 7, 2010
Notice to Proceed:	January 12, 2011
Substantial Completion:	August 16, 2012
Contract Award Value:	\$16,832,550
Modifications Final:	\$3,836,531
Final Contract Value:	\$20,669,081

Status

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

Description

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



Central Subway Pagoda Palace Demolition

Contract 1277 Contractor: MH Construction

Work Description

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

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

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

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



Central Subway Tunneling

Contract 1252 Contractor: Barnard Impregilo Healy Joint Venture

Description of Work

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

Status

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

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

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



Appendix E

SBE PARTICIPATION

Quarterly Report

Current Report: October 2019 – December 2019

PROGRAM SUPPORT CONTRACTS – SBE PARTICIPATION

Appendix E presents the Central Subway Program Small Business Enterprise or SBE goals and the actual SBE participation achieved to date – as of December 31, 2019.¹

CS Program SBE Summary Table for Professional Services and Construction Contracts

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

Appendix E - Monthly Progress Report - Reported Quarterly in 2019
CS Program SBE Summary Table for Professional Services and Construction Contracts

Contract No.	Contractor	Services/Segment	A	B	C	D	E	F	G	
			Contract Amount	SFMTA SBE Contract Goal	Contract Expenditure to Date (Est.)	SBE Actual to Date	SBE Contract \$s = A * B	SBE Amount to Date = C * D	Contractor's SBE Goal (in Bid)	
A Project Professional Services Contracts			millions		millions		millions	millions		
1	149	CS Partnership	Project Management	\$97.72	30%	\$85.75	32.4%	\$29.31	\$27.77	31.4%
2	156	Hill International	Project Controls Task 1	\$17.11	26%	\$10.12	29.3%	\$4.45	\$2.96	26.0%
3	155-1	PB Telemon	Tunnels Design	\$7.94	30%	\$7.90	30.2%	\$2.38	\$2.39	31.6%
4	155-2	CS Design Group	Stations Design	\$47.90	30%	\$43.70	31.6%	\$14.37	\$13.81	36.4%
5	155-3	HNTB, Inc.- B&C	Systems, Track & Surface Station Design	\$17.23	30%	\$15.99	25.3%	\$5.17	\$4.05	30.0%
Subtotal Professional Services				\$187.90		\$163.46		\$55.69	\$50.97	
B Project Construction Contracts			millions		millions		millions	millions		
1	1250	Synergy Inc	Utility Relocation 1	\$11.97	20%	\$11.97	97.2%	\$2.39	\$11.63	96.4%
2	1251	Synergy Inc	Utility Relocation 2	\$20.70	20%	\$20.70	87.4%	\$4.14	\$18.10	94.9%
3	1252	BIH	Tunnels and Portal - in Construction	\$239.97	6%	239.97	5.8%	\$14.40	\$13.88	6.1%
4	1277	MH Construction	Pagoda Demolition	\$0.65	100%	\$0.65	100.0%	\$0.65	\$0.65	100.0%
5	1300	Tutor-Perini	Stations/Track/Systems - in Construction	878.92	20%	\$777.16	21.6%	\$175.78	\$167.76	25.5%
Subtotal Construction Contracts				\$1,152.21		\$1,050.45		\$197.36	\$212.01	
Contract	Contractor	Services/Segment	Base Contract	SFMTA Goal	Expenditures	SBE Actual	= A * B	= C * D	Bid Goal	
			A	B	C	D	E	F	G	

SBE Summary Table Notes and Sources:

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

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

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

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

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

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

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

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

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

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

The 1300 Tutor-Perini SBE percent Actual is based on the SBE data provided in Progress Payment #73 December 2019, SFMTA SBE FORM No. 6.

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

SBE Participation Details

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

Active Professional Services Contracts - SBE Participation Details

As of: 12/31/2019

Contract:	Project Management and Construction management	
Contract No.	CS-149 Central Subway Partnership*	
Status:	On-going	
	Base Contract Value	\$97,715,988
	Approved Change Orders	-0-
	Current Contract Value	\$97,715,988
	Expended to Date (est.)	88,563,203
	% Expended	90.6%
	SBE SFMTA Goal	30.0%
	SBE Participation	31.7%
Contract:	Project Controls Cost and Schedule Support	
Contract No.	CS 156 Hill International Task 1*	
Status:	On-going	
	Base Contract Value	\$17,112,873
	Approved Change Orders	-0-
	Current Contract Value	\$17,112,873
	Expended to Date (est.)	\$10,115,598
	% Expended	59.1%
	SBE SFMTA Goal	26.0%
	SBE Participation	29.3%
Contract:	Design Package 1 for CNs 1250, 1251 and 1252 Tunnels	
Contract No.	CS-155-1 PB / Telemon*	
Status:	Design is completed. Construction support ongoing	
	Base Contract Value	\$5,795,000
	Approved Change Orders (7)	\$2,145,159
	Current Contract Value	\$7,940,159
	Expended to Date (est.)	\$7,904,713
	% Expended	99.6%
	SBE SFMTA Goal	30.0%
	SBE Participation	30.2%
Contract:	Design Package 2 for 1253 UMS, 1254 CTS, 1255 YBM Stations.	
Contract No.	CS-155-2 Central Subway Design Group*	
Status:	Design is completed. Construction support ongoing	
	Base Contract Value	\$39,949,948
	Approved Change Orders (4)	\$7,950,658
	Current Contract Value	\$47,900,606
	Expended to Date (est.)	\$46,240,867
	% Expended	96.5%
	SBE SFMTA Goal	30.0%
	SBE Participation	30.0%
Contract:	DP 3 Systems, Track work, Surface station.	
Contract No.	CS-155-3 HNTB-B&C*	
Status:	Design is completed. Construction support ongoing	
	Base Contract Value	\$16,864,250
	Approved Change Orders (9)	\$368,002
	Current Contract Value	\$17,232,252
	Expended to Date (est.)	16,658,839
	% Expended	96.7%
	SBE SFMTA Goal	30.0%
	SBE Participation	25.2%

* denotes accrual

Active and Completed Construction Contracts - SBE Participation Details

Data as of: 12/31/2019

Contract:	Synergy Inc Utility Relocation 1 YBM & Launch Box	
Contract No.	1250	
Status:	Contract is completed and closed out	
	Base Contract Value	\$9,273,939
	Approved Change Orders	\$2,694,211
	Final Contract Value	\$11,968,150
	% Expended	100%
	SBE SFMTA Goal	20%
	SBE Participation To Date	97.2%
Contract:	Synergy Inc Utility Relocation 2 UMS	
Contract No.	1251	
Status:	Contract is completed and closed out	
	Base Contract Value	\$16,832,550
	Approved Change Orders	3,836,531
	Final Contract Value	\$20,699,081
	% Expended	100%
	SBE SFMTA Goal	20.0%
	SBE Participation To Date	87.4%
Contract:	Pagoda Palace Demolition / MH Construction	
Contract No.	1277	
Status:	Contract is completed and closed out	
	Base Contract Value	\$498,995
	Approved Change Orders	\$149,981
	Final Contract Value	\$648,976
	% Expended	100%
	SBE SFMTA Goal	100%
	SBE Participation To Date	100%
Contract:	Tunnels Barnard/Impregilo/Haley	
Contract No.	1252	
Status:	Contract is completed and closed out	
	Base Contract Value	\$233,584,015
	Approved Change Orders	\$6,389,339
	Current Contract Value	\$239,973,354
	Expended to Date (est.)	\$239,973,354
	% Expended	100%
	SBE SFMTA Goal	6.0%
	SBE Participation To Date	5.8%
Contract:	Stations and Systems / Tutor Perini	
Contract No.	1300	
Status:	On-going	
	Base Contract Value	\$839,676,400
	Approved Change Orders	\$48,604,326
	Current Contract Value	\$888,280,726
	Expended to Date (est.)	\$814,071,152
	% Expended	91.6%
	SBE SFMTA Goal	20.0%
	SBE Participation To Date	20.0%

Photos on the next page:

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

central subway

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