

central subway

A Touch of Detail at UMS

Workers have painted steel structural elements on the platform level and have begun installing escalators.



Progress Report

January 2019



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Cover photo: A painter and lookout work together to apply a coat of paint on steel framing for future elevator shafts at the platform level of the Union Square/Market Street Station. Masking and painting has also begun on the intermediate strut level just above the platform, as well as the installation of escalators at the south end of the platform. More photos can be found starting on page 36.

Above photo: Rail installation has reached the southern end of the Chinatown Station platform, currently under construction. Rails have been placed floating over rows of rebar prior to installing concrete forms and pouring track foundations.

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/>



Clamps, spacers, and other equipment are used to move sections of rail into permanent position at the southern end of the Chinatown Station platform cavern.

Executive Summary

Chinatown Station - Completed construction of track slab and guideway stem walls at Platform Cavern. Completed construction of pony walls for pedestrian platform in Platform Cavern. Completed installing rebar and shotcrete for North Egress shaft. Completed installing lattice girders and rebar for North Egress tunnel. Continued installing rail at Crossover Cavern and South Platform Cavern. Prepared Stockton Street for Chinese New Year Holiday Moratorium. Continued street work (minor), ongoing monitoring and surveying.

Union Square/Market Street Station - Platform Station: Continued construction of stairs and elevators. Continued installation of CMU walls and metal decks at multiple levels. Continued to install fire safing, fireproofing, and acoustic soundproofing. Installed unistruts for ceiling panels. North Concourse: Continued installation of CMU walls. Staged and set electrical switchgear equipment in Main Electrical Room. Installation of emergency fans on Fan level. Continued installation of fire sprinklers and MEP. South Concourse: Continued installation of CMU walls. Stockton Street: Prepared to reopen Stockton Street.

Yerba Buena/Moscone Station - Completed re-establishing utilities at 4th & Howard. Began pavement renovation work at 4th and Howard. Continued installing Stair 6. Began installing Stair 5. Continued installing Escalators 3 and 4. Continued F/R/P of Mezzanine walls. Continued installing fire sprinklers in Headhouse Mezzanine. Continued electrical work in Headhouse Concourse and Station Concourse. Continued F/R/P of seismic joints at Station Platform.

Surface, Track and Systems– Continued traction power and other electrical conduit installation inside tunnel. Completed tunnel invert construction in NB and SB tunnel north of CTS. Continued plinth construction in tunnel. Continued double crossover special trackwork at CTS Crossover Cavern. Started and completed welding of high strength rail.

Tunnel - Contract administrative closeout is complete.

Total project costs to date are \$1,305.01 million, an increase of \$13.19 million over last month. The total cost to date equals 82.68% of the total project budget of \$1.578 billion. The Master Project Schedule forecasts a Revenue Service Date of December 2019.

The Stations Contractors' Safety Reports should show one recordable accident took place this month. The rates of work site accident incidents by the man hours worked continue to be below industry standards - see tables on page 32.

Key Milestones

Painting on the platform level of Union Square/Market Street Station

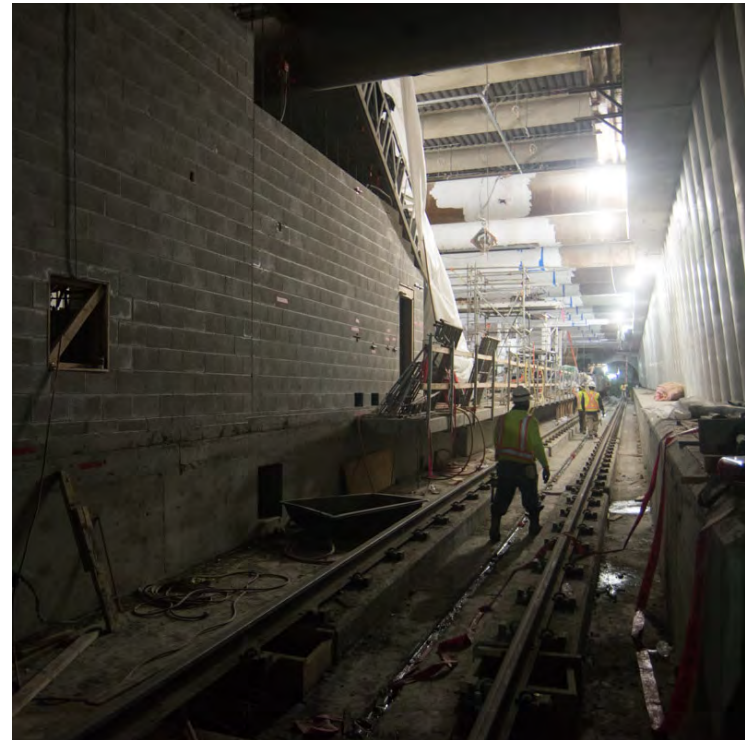


1. Crews finish structural steel installation work and clear the worksite



2 Masking and painting work on some structural steel elements is begun

MILESTONE	DATE EXPECTED
General	
Revenue Service	December 2019
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 30, 2018



3 The installation of other interior structural elements begins.

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.

Total net incurred costs for the project are \$1,305.01 million, a \$13.19 million increase over last month. The cost to date figure reflects expenditures through FAMIS 786 Report (\$1,265.04 million) plus the utilities joint trench Form B Reimbursement payment (\$12.30 million), invoices currently being processed (\$25.01 million) and estimates of outstanding pay requests (\$2.69 million). This incurred amount equals 82.68% of the total project budget of \$1.578 billion.

The current funding level to date is \$1,517.99 and includes Prop K \$964,968 FY2018/2019 Sales Tax Program appropriated in December 2018. This represents 96% of the total project budget.

Earned Value Analysis

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

Preliminary December Earned Value

Overall Budgeted Cost:	\$1,578,300,000
Planned Value:	\$1,551,849,997
Earned Value:	\$1,302,794,979
Actual Cost:	\$1,305,010,806
Schedule Performance Index (SPI):	0.84
Cost Performance Index (CPI):	1.00
Percent Complete:	82.5%

*January 2019 Notice: The City continues to experience problems that were caused by error and inaccuracy from the transition from FAMIS to Financial System Project (FSP). An updated methodology has been implemented within the financial reporting that will provide more accurate figures for transactions occurring in fiscal year 2019.

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

The MPS shows a forecast Revenue Service Date of December 2019.

The controlling critical (longest) path of the MPS runs through the tunnel Concrete work, followed by Electrical activities, STS Startup & Testing, Commissioning and Pre-Revenue Activities to the Baseline Finish and Revenue Service Date. See Appendix B – Longest Path. The latest schedule shows the longest path running through the Chinatown Station (CTS). Contractor is required to implement a Recovery Schedule to put the Project back on schedule.

Schedule Contingency is fully utilized on the critical path of the MPS, which is below the Minimum Schedule Contingency level of 6 months. SFMTA continues to meet with Contractor to discuss all schedule concerns and comments. During this month, delays at CTS Headhouse Concourse level slab and shotcrete application at Platform Level impacted the project completion. This impact would have to be mitigated in the field by TPC increasing the number of crews assigned to electrical work, allowing concurrent work within the tunnel and stations. It also requires, after Substantial Completion is declared, that ATCS Startup and Testing with SFMTA Operations will be completed in 5 months. Based on these assumptions, Contract 1300 Schedule shows this month a forecasted Revenue Service date of 26 December 2019.

Contract 1300 Contractor submitted forty seven (47) Schedule Updates from December 2014 to December 2018. SFMTA rejected twenty seven (27) Schedule Updates from January 2016 to April 2016 and June 2016 to May 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 develop a Recovery Schedule as required by Contract to mitigate the current forecasted project delay. The 18 month “gap” of missing Schedule Updates at the beginning of the job has interfered with efficient resolution of Contractor’s assertions of Unavoidable Delay to the project-wide Substantial Completion date, which is additionally impacting the Contractor’s review of options for schedule recovery.

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 2019 schedule is used within the January Report. The SFMTA Contract 1300 January 2019 schedule is based on the approved baseline schedule logic with adjustments made for fixing retained logic and lags. 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.



New sections of reinforced concrete wall surfaces have been completed on either side of an access portal seen here along the southbound side of the Yerba Buena/Moscone Station platform.

Schedule Highlights - Continued

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

- Continue installing rail at Crossover Cavern and South Platform Cavern
- Completed construction of guideway stem walls at Platform Cavern
- Continued construction of vent shaft at South Platform Cavern
- Completed construction of track slab in Platform Cavern
- Completed construction of pony walls for pedestrian platform in Platform Cavern
- Began construction of pedestrian platform in Platform Cavern
- Began constructing columns at Crosscut Cavern
- Began constructing guideway slab at Crosscut Cavern
- Completed installing rebar and applying shotcrete for North Egress shaft
- Completed installing lattice girders and rebar for North Egress tunnel
- Continued removing temp level 5 struts and wales
- Began shotcrete for slurry walls, install drain mat and waterproofing for Platform and Under Platform levels at Headhouse
- Continued construction for PG&E electrical vaults and ductbank along West side of Stockton Street
- Prepared Stockton Street for Chinese New Year Holiday Moratorium
- 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 to install fire safing, fireproofing, and acoustic soundproofing. Installed corridor ductwork and fire smoke dampers. Installed mechanical dampers at Intermediate Strut Level
- North Concourse: Staged and set electrical switchgear equipment in Main Electrical Room. Installation of emergency fans on Fan Level
- Primed and painted CMU walls. Continued installation of CMU walls. Installed unistruts for ceiling panels. Continued installation of fire sprinklers and MEP
- Prepared to repair streets and sidewalks for the upcoming Chinese New Year Parade
- Prepared to reopen Stockton Street

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

- Completed re-establishing utilities at 4th & Howard
- Began pavement renovation work at 4th and Howard
- Continued installing Stair 6
- Began installing Stair 5
- Continued installing Escalators 3 and 4

Schedule Highlights - Continued

- Continued installing Headhouse Vent Shaft
- Continued F/R/P of Headhouse Mezzanine walls
- Continued installing fire sprinklers in Headhouse Mezzanine
- Continued electrical work in Headhouse Concourse
- Began installing luminous ceiling in Station Concourse
- Continued F/R/P of seismic joints (Station Platform)

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

- Continued traction power conduit and other electrical conduit installation inside tunnel
- Completed tunnel invert construction in NB and SB tunnels north of CTS
- Continued walkway installation inside tunnel
- Continued plinth construction in tunnel
- Continued double crossover special trackwork at CTS Crossover Cavern
- Started and completed welding of high strength rail



Carpenters and other laborers cross paths at the edge of the Chinatown Station platform along the future southbound track side.

Master Project Schedule

Activity ID	Activity Name	Original Duration	Start	Finish	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
CENTRAL SUBWAY PROJECT													
Program Level Milestones													
PJ01000	Central Subway Project Start	4882	03-Jun-08 A	08-Jan-21									
M500044	Tunnel Excavation Complete - Project Milestone #44	0	03-Jun-08 A	26-Jun-18									
M60018	Baseline Finish Date: 12-28-2018	0		05-Sep-14 A									
M60008	CSP Revenue Service Date	0		28-Dec-18*									
Preliminary Engineering Phase													
Final Design													
Light Rail Vehicles													
Real Estate													
Construction Phase													
Construction Support and Costs													
Construction Utility Contract #1 - MOS & Portal CN-1250													
Construction Utility Contract #2 - UMS CN-1251													
Construction Tunnels CN-1252													
Construction CN-1300													
CN- 1300 Milestones													
	Construction UMS Station P-1253	1704	17-Jun-19 A	12-Nov-19									
	Construction CTS Station P-1254R	1687	17-Jun-19 A	08-Oct-19									
	Construction YBM Station P-1255	1651	15-Jun-18 A	15-Aug-18									
	Construction STS P-1256	1684	03-Jun-18 A	04-Nov-18									
Project Start Up													
	Project Start Up	144	14-Aug-18	28-Dec-18									
Unallocated Contingency													
CO1700	Cost Activity Unallocated Contingency (LOE) - 1.7.600.86.080.00 - Contingency	231	28-Jan-18	28-Dec-18									

<p>Required Revenue Service Date: 28-Dec-18 Data Date: 28-Jan-19</p>										<p>Required Revenue Service Date: 28-Dec-18 Data Date: 28-Jan-19</p>			
<p>SFMTA Central Subway Project Master Project Schedule Summary Schedule - January 2018</p>													



Looking south inside the platform cavern where it meets the cross-cut cavern, a crew assembles a rebar cage for a portion of the Chinatown Station platform.

Contracts & Construction

Construction Contracts In Progress

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

- Contractor: Tutor - Perini Corporation
- Amount: \$857.74 million
- Contract Status: 78.11% 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

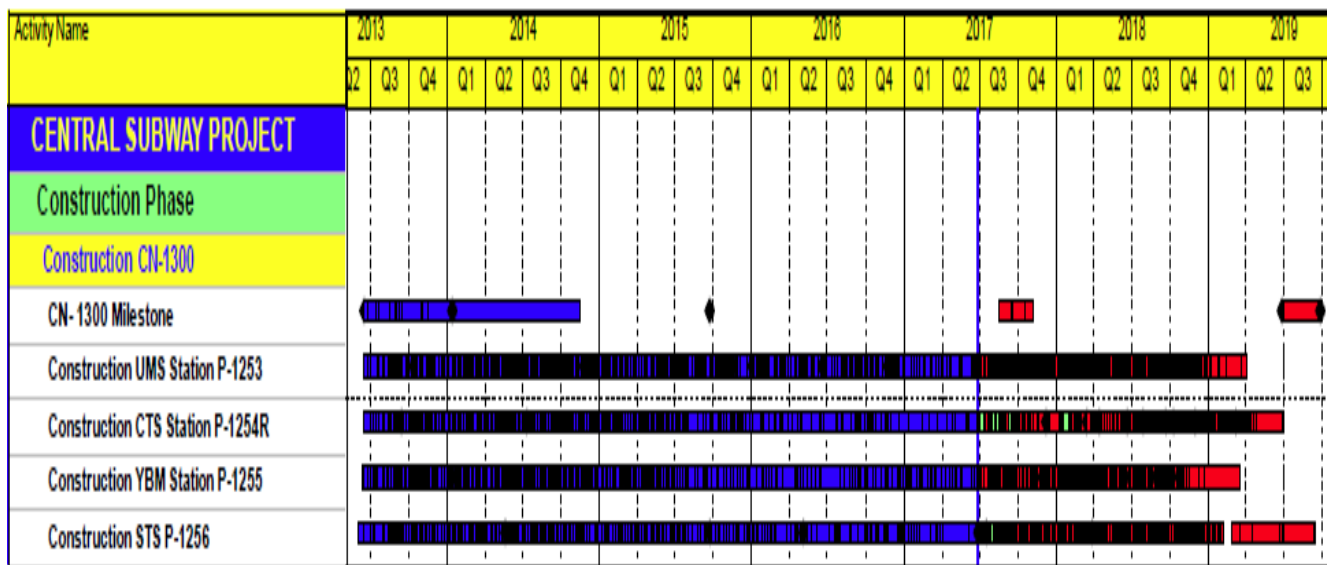
The Contract 1300 scope is to construct the Central Subway's three subway stations, one surface station, construct the 2,000 feet of surface track, and install track and operating systems throughout the new alignment. The separate station and systems work packages are presented in the following pages.

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 30, 2018
Contract Award Value:	\$839,676,400
Modifications to Date (\$):	\$18,068,390
Modifications to Date (Days):	140
Current Contract Value:	\$857,744,790

Budget/Expenditures▲	
Current Budget	\$879,676,400
Other Project Offset Credits	\$3,123,097
Expenditures to Date	\$672,580,774

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

- Continue installing rail at Crossover Cavern and South Platform Cavern
- Completed construction of guideway stem walls at Platform Cavern
- Continued construction of vent shaft at South Platform Cavern
- Completed construction of track slab in Platform Cavern
- Completed construction of pony walls for pedestrian platform in Platform Cavern
- Began construction of pedestrian platform in Platform Cavern
- Began constructing columns at Crosscut Cavern
- Began constructing guideway slab at Crosscut Cavern
- Completed installing rebar and applying shotcrete for North Egress shaft
- Completed installing lattice girders and rebar for North Egress tunnel
- Continued removing temp level 5 struts and wales
- Began shotcrete for slurry walls, install drain mat and waterproofing for Platform and Under Platform levels at Headhouse
- Continued construction for PG&E electrical vaults and ductbank along West side of Stockton Street



- Prepared Stockton Street for Chinese New Year Holiday Moratorium
- Continued street work (minor), ongoing monitoring and surveying

Work Expected Next Month

- Complete waterproofing installation for South headwall
- Continue installing rebar and formwork for Crosscut Cavern headwall
- Begin installing rebar for Crosscut Cavern Arch final lining
- Complete shotcrete application for North Egress tunnel
- Begin constructing formwork and installing rebar for North Egress upper lid
- Complete constructing formwork and installing rebar for pedestrian platform in Platform Cavern
- Begin constructing Concourse Slab at Crosscut Cavern
- Complete installing electrical and plumbing for Concourse slab at Headhouse
- Complete concrete placement for Concourse slab at Headhouse
- Begin installing rebar, electrical, and plumbing for Intermediate slab at Headhouse
- Begin placing concrete for Intermediate

Chinatown Station

Contract 1300 - Work Package 1254R

Work Expected Next Month (continued)

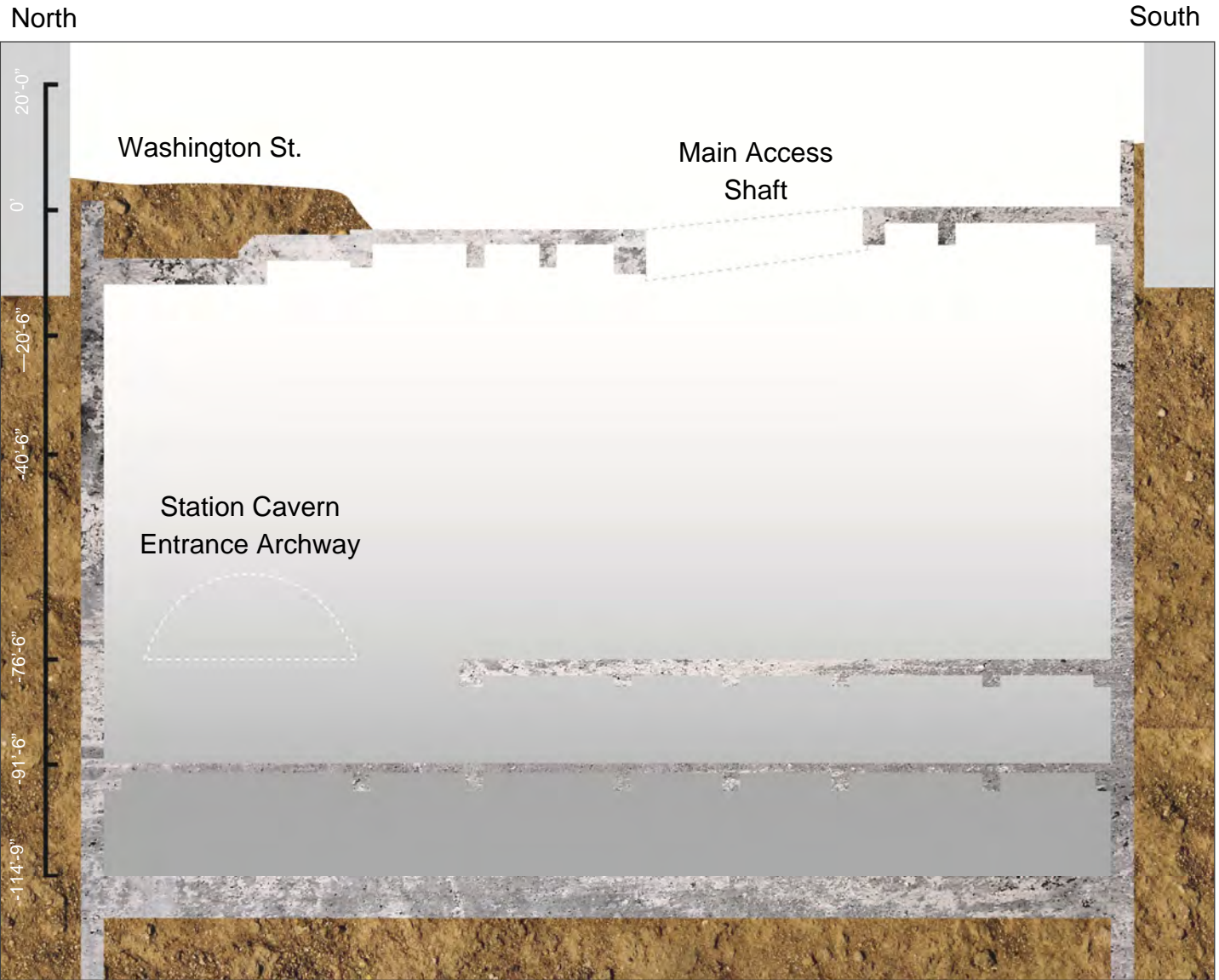
- slab at Headhouse
- Continue shotcrete for slurry walls, install drain mat and waterproofing for Platform and Under Platform level at Headhouse
- Begin shotcrete for slurry walls, install drain mat and waterproofing for Intermediate level at Headhouse
- Complete removing temp level 5 struts and wales



Three Month Look Ahead

- Complete rail installation at Platform Cavern
- Complete concourse slab at Crosscut Cavern
- Complete arch final lining at Crosscut Cavern
- Complete walls and staircase for North Egress Shaft and upper lid
- Underplatform and Platform levels at Headhouse: Shotcrete on Slurry Walls, Install drain mat and waterproofing on Shotcrete Walls, Build CMU partition walls
- Begin installing mechanical, electrical, plumbing, at Headhouse Underplatform and Platform Levels.
- Complete Intermediate, Lower Mezzanine, and Upper Mezzanine levels at Headhouse
- Complete electrical vault, ductbanks, and PG&E tie-in on Stockton Street
- Complete sewer lateral tie-ins on Washington Street and Stockton Street
- Complete testing of existing AWSS pipeline along Stockton 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 30, 2018
Contract Award Value:	\$247,567,810
Modifications to Date (\$):	\$8,983,302
Modifications to Date (Days):	140
Current Contract Value:	\$256,551,112

Budget/Expenditures	
Current Budget	\$257,567,810
Other Project Offset Credits	\$75,000
Expenditures to Date	\$199,365,682

CTS Three Month Schedule

Activity ID	Activity Name	2018							2019						
		Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
CENTRAL SUBWAY PROJECT															
Construction Phase															
Construction CN-1300															
Construction CTS Station P-1254R															
Administrative / Milestones															
Preconstruction															
Site Work / Utility Relocation															
Demolition															
Excavation & Support															
Tunnel / Cavern Mining															
Cavern Lining															
Concrete/Shotcrete															
Entrance Roof Level															
Surface Level															
Upper Mezz Level															
Lower Mezz Level															
Concourse Level															
Intermediate Strut Level															
CTS.03.30.130	Form/Rebar/Pour - Intermediate Level Slab														
CTS.03.30.085	Form/Rebar/Pour/Strip - Columns Intermediate Slab to Lower Mezz Level														
CTS.03.30.140	Concrete Cure - Intermediate Level Slab														
CTS.03.37.110	CTS_IM - Place - Shotcrete on Slurry Walls - Head House														
CTS.07.13.150	CTS_IM - Install - Drain Mat & Waterproofing on Shotcrete Walls - Head House														
CTS.03.30.097	Form/Rebar/Pour/Strip - Perimeter Walls Intermediate Slab to Lower Mezz Level														
Platform Level															
CTS.03.30.670	Shore/Form/Rebar/Pour Track Slab - Platform Cavern North														
CTS.03.30.260	Pour Equipment Pads - Main Electrical & Traction Power Rooms														
CTS.03.30.610	Form/Rebar/Pour Stair, Room & End Walls - Platform Cavern South														
CTS.03.30.620	Form/Rebar/Pour Stair & Room Enclosure Lid - Platform Cavern South														
CTS.03.30.600	Shore/Form/Rebar/Pour Track Slab - Platform Cavern South														
CTS.03.30.660	Form/Rebar/Pour Platform Stem Walls - Platform Cavern North														
CTS.03.3.0740	Form/Rebar/Pour Platform Slab - Platform Cavern North														
CTS.03.30.790	Form/Rebar/Pour Platform Slab - Platform Cavern South														
CTS.03.30.850	Concrete Stairs North Emergency Egress Tunnel														
CTS.03.30.680	Form/Rebar/Pour Stair, Room & End Walls - Platform Cavern North														
CTS.03.30.760	Shore/Rebar/Form Pour Track Slab - Crosscut Cavern														
CTS.03.30.690	Form/Rebar/Pour Stair & Room Enclosure Lid - Platform Cavern North														
CTS.07.13.120	CTS_PL - Install - Drain Mat & Waterproofing on Shotcrete Walls - Head House														
CTS.03.30.780	Rebar/Form/ Pour Platforms - Crosscut Cavern														
CTS.03.30.770	Shore/Rebar/Form Pour Concourse Level Slab - Crosscut Cavern														

Union Square/Market Street Station

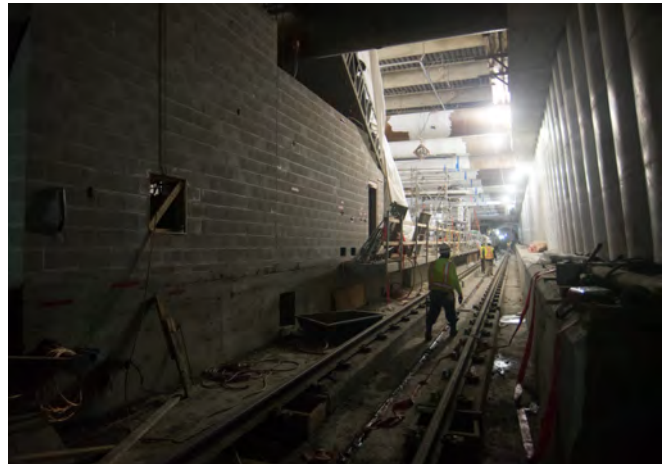
Contract 1300 Work Package 1253

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 to install fire safing, fireproofing, and acoustic soundproofing. Installed corridor ductwork and fire smoke dampers. Installed mechanical dampers at Intermediate Strut Level
- North Concourse: Staged and set electrical switchgear equipment in Main Electrical Room. Installation of emergency fans on Fan Level
- Primed and painted CMU walls. Continued installation of CMU walls. Installed unistruts for ceiling panels. Continued installation of fire sprinklers and MEP
- Prepared to reopen Stockton Street



to install unistruts for ceiling panels. Continue to install fire sprinklers and MEP.

- Street: Complete and restore traffic signal and street lights. Repair streets and sidewalks to open Stockton Street and for the Chinese New Year Parade
- Open Stockton Street to traffic

Work Expected Next Month

- Platform Station: Continue construction of CMU Walls on Mezzanine and Intermediate Strut levels. Continue installation of Escalators #4, #5 and #6 and Stair#3. Continue installation of fire safing and application of fireproofing and soundproofing
- North Concourse: Complete construction of CMU walls on Fan level. Complete installation of fire sprinklers on Fan and Concourse level. Complete installation of fans on Intermediate Strut level. Complete setting and staging electrical switchgear equipment in Main Electrical Room. Install Sound Attenuators at Intermediate Strut level
- South Concourse: Demo existing terrazzo and construct new terrazzo for Stair #6
- Continue installation of CMU walls. Continue

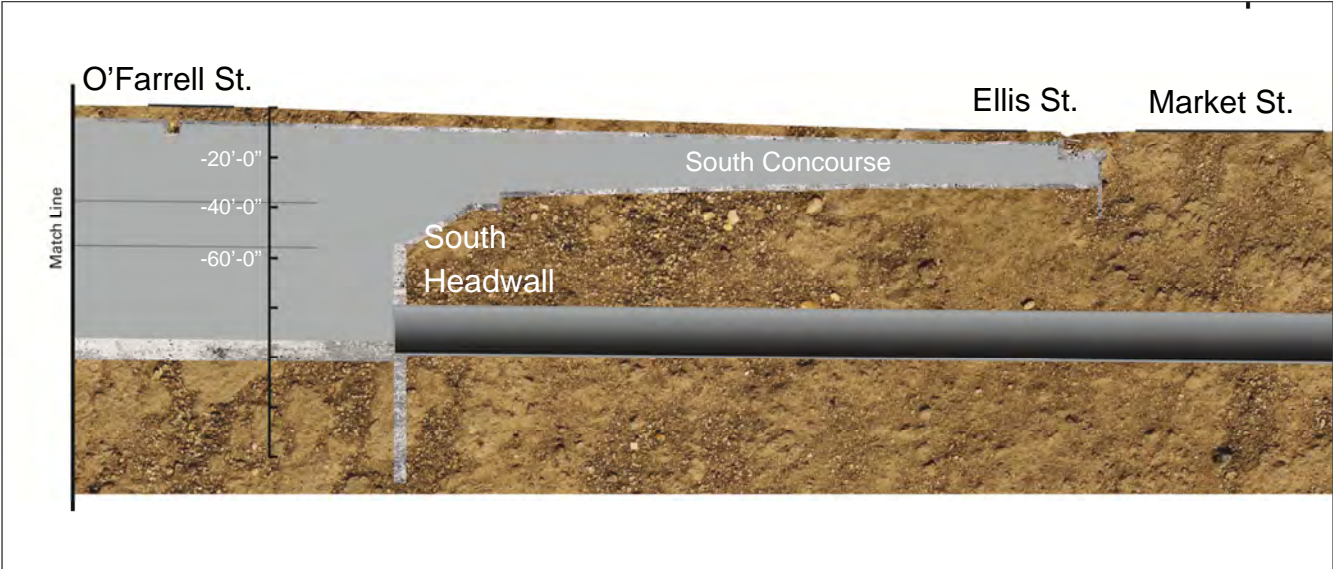
Three Month Look Ahead

- Platform Station: Complete construction of stairs and escalators. Complete CMU wall construction at Intermediate Strut, Mezzanine and Concourse levels. Complete deck installation. Complete all structural concrete work
- North Concourse: Complete Concourse level slab and equipment pads. Install ventilation fans and equipment. Complete installation of fire alarm system in USG
- South Concourse: Complete construction of the south escalators and stairs
- Street: Complete and restore traffic signal and street lights. Install OCS lines. Complete installation granite curb, brick sidewalk and pedestrian ramps North of Market Street

Station Excavation and Construction Progress Section

North

South



Union Square Market Street Station Construction - Continued

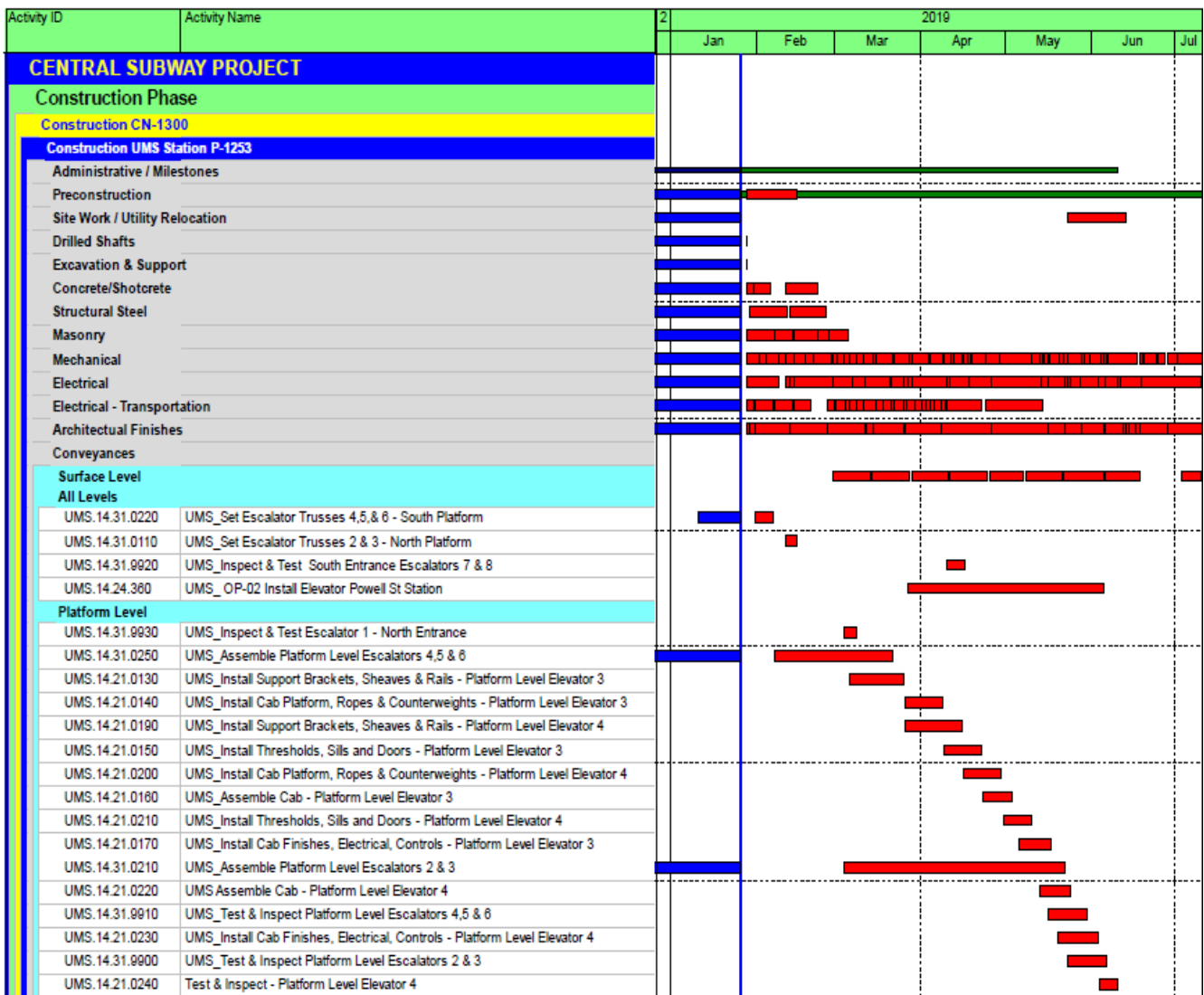
Contract Details

Contract Awarded:	May 21, 2013
Notice to Proceed:	June 17, 2013
Substantial Completion:	June 30, 2018
Contract Award Value:	\$294,030,590
Modifications to Date (\$):	\$5,014,232
Modifications to Date (Days):	140
Current Contract Value:	\$299,044,822

Budget/Expenditures ▲

Current Budget	\$314,030,590
Expenditures to Date	\$257,991,646

UMS Three Month Schedule



Yerba Buena/Moscone Station

Contract 1300 - Work Package 1255

Description of Work

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

Current Status

- Completed re-establishing utilities at 4th & Howard
- Began pavement renovation work at 4th and Howard
- Continued installing Stair 6
- Began installing Stair 5
- Continued installing Escalators 3 and 4
- Continued installing Headhouse Vent Shaft
- Continued F/R/P of Headhouse Mezzanine walls
- Continued installing fire sprinklers in Headhouse Mezzanine
- Continued electrical work in Headhouse Concourse
- Began installing luminous ceiling in Station Concourse
- Continued F/R/P of seismic joints (Station Platform)



Work Expected Next Month

- Begin pavement renovation work at 4th and Clementina
 - Complete installing Stairs 5 and 6
 - Continue installing Escalators 3 and 4
 - Complete F/R/P of Headhouse Surface Slab 9.4 to 8.6 line
 - Begin F/R/P of Elevator 3 and 4 walls at
- #### Headhouse Surface Level
- Continue F/R/P of walls of Headhouse Vent Shaft
 - Continue F/R/P of Headhouse Mezzanine wall
 - Begin installing ventilation equipment in Headhouse Mezzanine
 - Begin installing ventilation equipment in Station Mezzanine
 - Continue placing concrete block walls in Headhouse Concourse
 - Continue installing luminous ceiling in Station Concourse
 - Continue installing fireproofing at Station Platform
 - Continue F/R/P of seismic joints (Station Platform)

Three Month Look Ahead

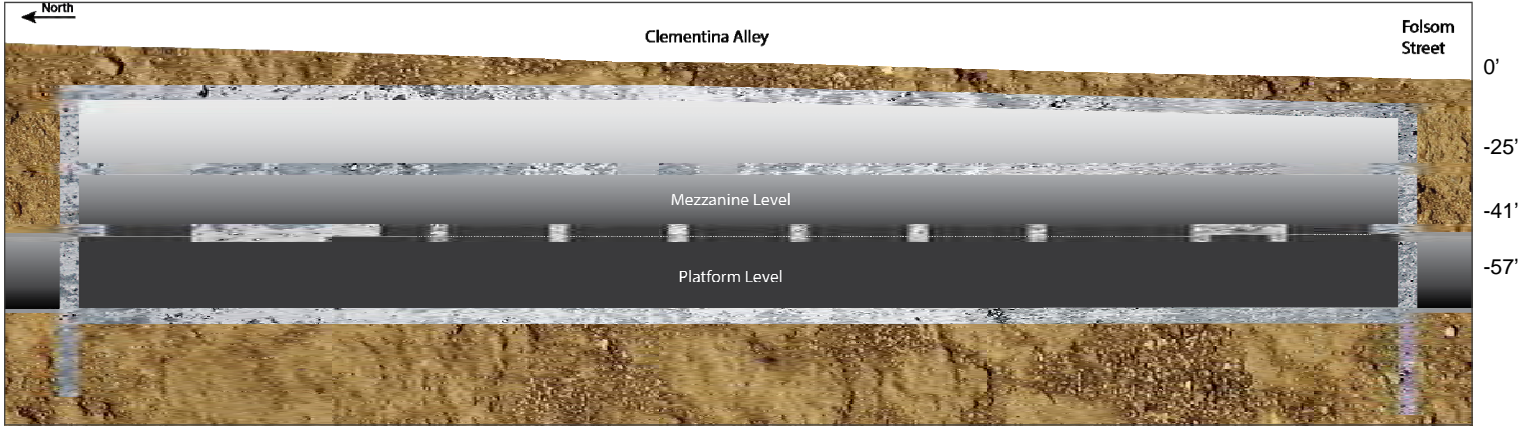
- Continue pavement renovation work on 4th and Folsom
- Pour West Side topping slab, Mezzanine – Station box
- Continue interior finishes on Mezzanine & Concourse Levels within Station Box
- Continue placement of stairs within Station and Headhouse
- Begin installation of sculpture at Surface Level
- Complete installation of artwork in Headhouse Concourse
- Install cabs for Elevators 1 and 2



Station Excavation and Construction Progress Section

North

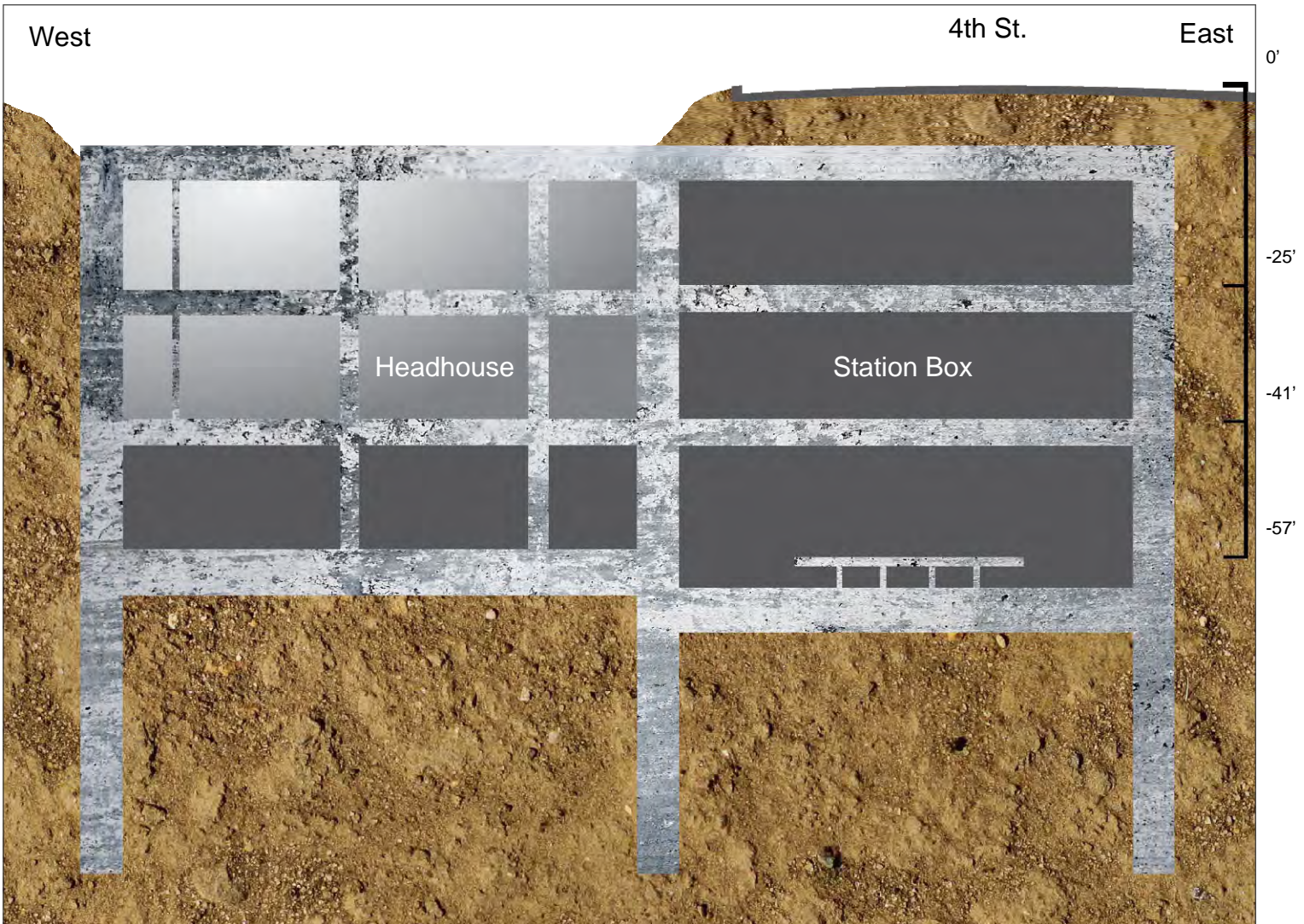
South



West

4th St.

East



Yerba Buena Moscone Station Construction - Continued

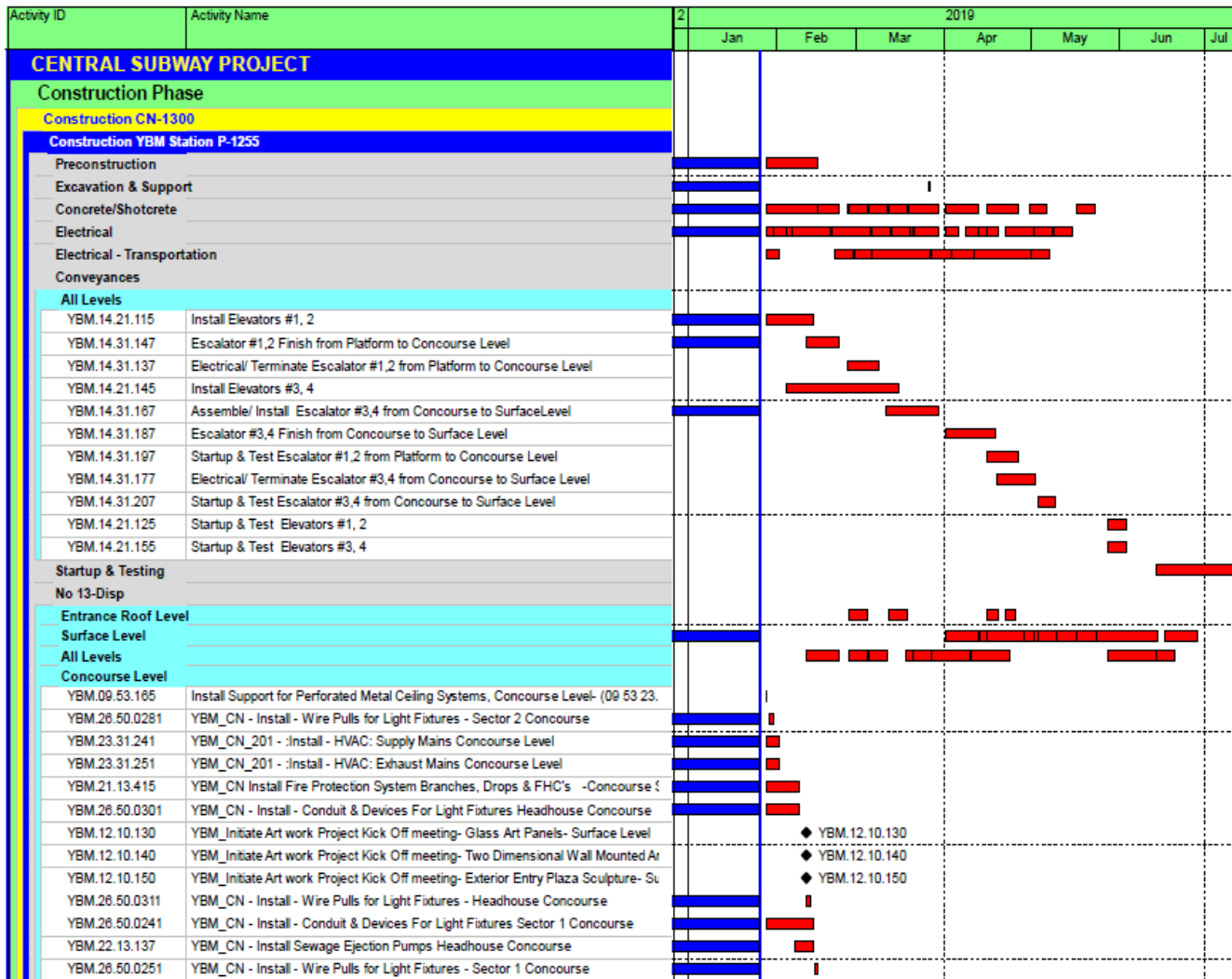
Contract Details

Contract Awarded:	May 21, 2013
Notice to Proceed:	June 17, 2013
Substantial Completion:	June 30, 2018
Contract Award Value:	\$158,089,000
Modifications to Date (\$):	\$932,592
Modifications to Date (Days):	140
Current Contract Value:	\$159,021,592

Budget/Expenditures ▲

Current Budget	\$163,089,000
Other Project Offset Credits	\$415,331
Expenditures to Date	\$133,757,741

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
- Completed tunnel invert construction in NB and SB tunnels north of CTS
- Continued walkway installation inside tunnel
- Continued plinth construction in tunnel
- Continued double crossover special trackwork at CTS Crossover Cavern
- Started and completed welding of high strength rail



Work Expected Next Month

- Continue 4th/Brannan platform construction
- Continue traction power conduit installation inside tunnel
- Continued walkway installation inside tunnel
- Continue pavement renovation at 4th/Bryant
- Continue plinth construction in tunnel
- Continued double crossover special trackwork at CTS Crossover Cavern

Three Month Look Ahead

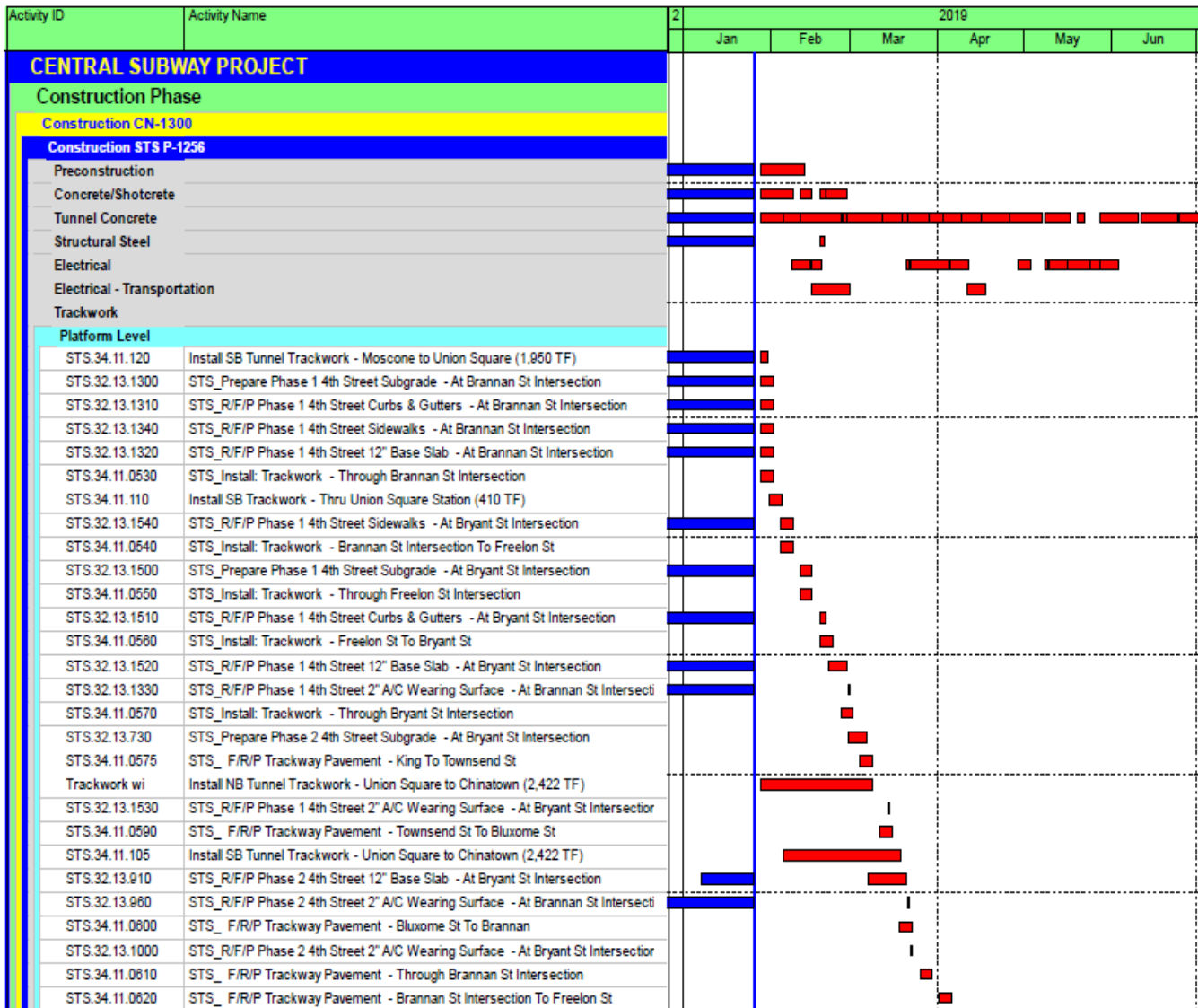
- Complete street light pole installation
- Complete pavement renovation at 4th/Bryant, 4th/Brannan, and 4th/King intersections
- Continue 4th/Brannan platform construction
- Continue surface track installation
- Continue track installation inside tunnel
- Continue walkway installation inside tunnel
- Continue electrical conduit installation inside tunnel
- Continue pulling traction power cables on 4th Street

Systems, Trackwork, & Surface Station Construction - Continued

Contract Details	
Contract Awarded:	May 21, 2013
Notice to Proceed:	June 17, 2013
Substantial Completion:	June 30, 2018
Contract Award Value:	\$139,989,000
Modifications to Date (\$):	\$3,138,264
Modifications to Date (Days):	140
Current Contract Value:	\$143,127,264

Budget/Expenditures	
Current Budget	\$144,989,000
Other Project Offset Credits	\$2,632,766
Expenditures to Date	\$81,465,705

Systems, Track and Surface Station Three Month Schedule



Program Components

Community Outreach

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

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

Outreach in Support of Mitigation and Monitoring

Team members participated in weekly progress to address neighborhood concerns

Outreach and communication efforts continue in Chinatown, Union Square, and SOMA

Weekly photo documentation of project work and editing

Outreach team members met with SF Arts Commission representatives to align public art completion strategy

Weekly construction update emails sent to list of approximately 700 residents and stakeholders

Media Coverage

Central Subway Media Coverage			
Date	Title (with link to story)	Source	Reporter/Writer
1/17/2019	Will the Marina Say Yes to Muni This Time?	SF WEEKLY	Ida Mojada
1/30/2019	Supervisors call for financial aid fund for merchants harmed by construction	SF Examiner	Joe Fitzgerald Rodriguez

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 – On Going/As Reported Previously

- QA observation of concrete formwork, reinforcement and placement in CTS cavern and head-house
- QC Inspection, testing and documentation by Smith Emery for all work packages
- QA observation of station construction at UMS and YBM
- QA observation of STS invert and plinth preparation for subsequent concrete placement and track installation
- QA observation of STS rail preparation for and subsequent installation
- QA review of TPC QC Daily Inspection Reports posted to CM13 which includes TPC's Specialty Subcontractor's QC checklists, associated documentation and Smith Emery Inspection Reports; 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 Preparatory and Initial Phase Meetings as the scheduled activities dictate
- QA participation in bi-weekly Quality Task Force (QTF) Meetings – ongoing dialog regarding; planning for upcoming Work, identification and mitigation of in-process potentially unsatisfactory work, generation of CNCRs, welding inspection documentation, HOLD points and other items related to TPC's QC efforts in implementing TPC's approved Quality Control Program (QCP). Additionally, the Contractor's Quality Control Manager (QCM) and Assistant QCMs continue to be provided with salient information from the PQM's participation/attendance in Project and Work Package Progress Meetings.
- 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 MEP Progress and CMB Meetings as scheduling constraints allow

Document comment and review:

- Contractor's submittals, e.g., review of welding, concrete (including shotcrete) and other Quality related submittals/comments as requested to support the RE's and CM, and RFIs related to quality and welding
- QA Staff continues random/spot checks of the 1300 Contractor's Field Testing lab results – accomplished upon review of the preliminary test reports provided as required the Contract Documents via email from the Contractor's testing laboratory which includes concrete cylinders and shotcrete cores and shotcrete C1550 flexural specimens
- 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. (-2 from December 2018) (C1300 is required to generate a CNCR within 24 hours of becoming aware of what appears to be non-conforming work).
 - ◇ Dispositioned (not acceptable):16 CNCRs are currently posted to the CNCR Log as DIS-

Quality Assurance - Continued

POSITIONED (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). (-1 from December 2018)

- ◇ Dispositioned: 16 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.) (-2 from December 2018)
- ◇ Approved: 42 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. (+8 from December 2018)
- ◇ Closed: 300 CNCRs are currently posted to the CNCR Log as CLOSED. (+9 from December 2018)
- ◇ Voided: 44 CNCRs are currently posted to the CNCR Log as VOIDED (subsequent evaluation of the INITIAL CNCRs determined that a CNCR is not warranted). (+1 from December 2018)
- ◇ 425 CNCRs are currently posted to the CNCR Log. (+13 from December 2018)

QA Issues:

- None to report for January 2019

QA Concerns:

- As described previously, typical to similar Projects, work performed prior to receipt of approval status of required submittals (including coordination and shop drawings)/RIFs with/without knowledge of QC or responsible production supervision, remains a potential item(s) of concern
- Also as previously described and typical to similar Projects, the untimely identification and mitigation (SFMTA approval) of "last minute items", such as too little clear cover for reinforcement due to unanticipated proximity of adjacent objects in a concrete lift, remains an ongoing challenge to all involved. Project quality has not suffered to date; however the aforementioned concern remains
- Continue regarding Project schedule compression demands disrupting RE and Design Staff priorities 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 is currently being installed by Tutor Perini Corporation (TPC) the C1300 Contractor. CNCR 354 was dispositioned as Use-As-Is and was then rejected by SFMTA and returned to TPC QC to address the requirements of 34 11 14 *Rail*. SFMTA has subsequently written a letter to TPC directing the removal of the non-conforming rail. Meanwhile, at a meeting with TPC and TPC's track work F & I Subcontractor, SFMTA QA was informed by TPC's Project Manager that CNCR 354 would be voided. SFMTA QA concern is that that CNCR 354 will be voided predicated by TPC perceived ambiguities in the Contract Documents; without consideration of other Contract Document requirements.. NCN CT-001 was issued, directing TPC to reinstate CNCR 354. This issue will be closely monitored by SFMTA

Other 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 initiated weekly meetings with the Resident Engineers and Assistant Resident Engineers of all stations to review project quality assurance procedures and requirements and contractor quality control requirements

Risk Management

Risk Mitigation Management Meeting No. 113 was held on Tuesday, January 8, 2019. The members of the Risk Assessment Committee will review the top risks in accordance with the risk summary sheet, which have been given a rating by The Committee of six and above.

During the monthly meeting, forty (40) construction risks and one (1) remaining requirement risk will be tracked on the Project's Risk Register, in addition to, establishing strategies for mitigation and evaluating potential unforeseen issues or conditions.

The Committee will continue to follow risks and risks will be monitored and statuses updated with the use of the risk mitigation status sheets, providing monthly updates by the Risk owner to demonstrate the assigned mitigation strategy is being implemented.

Top Risks

Risk #	Risk Description	Risk Rating	Contract
99	Breakdown in relationships between SFMTA and Contractors during construction results in increased claims and delays to the overall construction schedule.	13	STA
240	Unresolved Assignment of Schedule Delay Responsibility (may lead to increase cost for the Program)	12	STA
255	Water leaks at YBM station	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	8	RSD
234	Sequential Excavation Method at CTS - Contractor's propose method will induce detrimental subsidence	7	CTS
253	Do not have adequate resources defined to do the work	6	STA
52	Unacceptable settlement and impact on major utilities at CTS. (OLD SEWERS AND OTHERS WITHIN 20FT SPACE BETWEEN TOP OF CAVERN AND STREET LEVEL)	6	STA
238	Quality Program is ineffective in processing the nonconformance items causing schedule impacts	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 complacency and daily job briefings. Weekly safety meetings are conducted twice a week so all staff have an opportunity to attend.

Safety Summary for the 1300 Stations Systems Track Construction Package

During the month of January, TPC recorded one first aid injury. A carpenter sustained a metal splinter in the thumb. No lost time incidents were incurred.

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, preparations are being made for Stockton Street in anticipation of the Chinese New Year Holiday Moratorium.
2. At the UMS station, Winter Walk Stockton Street has concluded. Preparation is being made to reopen Stockton Street in February 2019.
3. At the YBM station, pavement renovation work continues for 4th and Howard and 4th and Clementina.
4. At the STS station, work continues in the tunnels regarding the rails, electrical brackets, and more. Close attention will be given to those activities.

Program Safety & Security - continued

Project Safety Record - Contract 1300

Through Month End JANUARY 2019

SAFETY GOALS

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

JOB TO DATE	Tutor	Subs	Total Project	Rate*
OSHA Recordable Accidents	9	4	13	0.76
Job Transfer or Restricted Duty Cases	0	0	0	0.00
Lost Time Cases	2	1	3	0.18
Total Project Incidents	11		16	0.94
Man Hours Worked Through M/E JAN 2019	1,640,913	1,764,748	3,405,661	

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 JAN 2019	35,663	11,664	47,327	

* 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 is in the process of finding a permanent replacement for the Director position. Currently, an Acting Director has been named until a permanent replacement is found. In addition, the program is in the process of interviewing for a Startup and Testing Manager. The Program is also considering candidates for a Resident Engineer for STS or Change Order Administrator and is interested in identifying additional candidates for supplementation of the team in the areas of Office Engineer and persons with expertise in MEP Coordination and Systems implementation.



Crews are wrapping up installing rail sections for the massive track crossover just south of the future Chinatown Station platform cavern.

Staffing

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

	Nov-2018		Dec-2018		Jan-2019	
	Planned	Actual	Planned	Actual	Planned	Actual
Project Management						
Program Management	6.60	4.70	6.60	4.70	6.60	4.70
Quality Assurance	1.80	1.00	1.80	1.00	1.80	1.00
Contract Administration	1.40	12.40	1.40	12.40	1.40	12.40
Community Outreach	5.50	2.50	5.50	2.50	5.50	2.50
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	25.25	22.10	25.25	22.10	25.25
Construction Management						
CM - CN 1252	0.00	0.00	0.00	0.00	0.00	0.00
CM - CN 1300	21.55	26.05	21.55	27.45	21.55	26.85
Design Support - CN 1252	0.00	0.00	0.00	0.00	0.00	0.00
Design Support - CN 1300	9.00	9.00	9.00	9.00	9.00	9.00
Subtotal	30.55	35.05	30.55	36.45	30.55	35.85
Start Up						
Start Up / Safety & Security	5.95	0.20	5.95	0.20	5.95	0.20
Subtotal	5.95	0.20	5.95	0.20	5.95	0.20
Total	58.60	60.50	58.60	61.90	58.60	61.30

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.



Steel struts used to mount utility conduits to the tunnel walls are unloaded from a rolling dolly inside the northbound tunnel at the Market Street S-curve.

central **T** subway

Current Construction Activity



Chinatown (CTS)



Union Square/Market Street (UMS)



Yerba Buena/Moscone (YBM)



4th St. Surface Track, Systems (STS)





Carpenters build sections of concrete forms as part of Chinatown Station platform construction.



Workers use leverage, clamps, and adjustable spacers to precisely place sections of rail inside the Chinatown track crossover cavern.



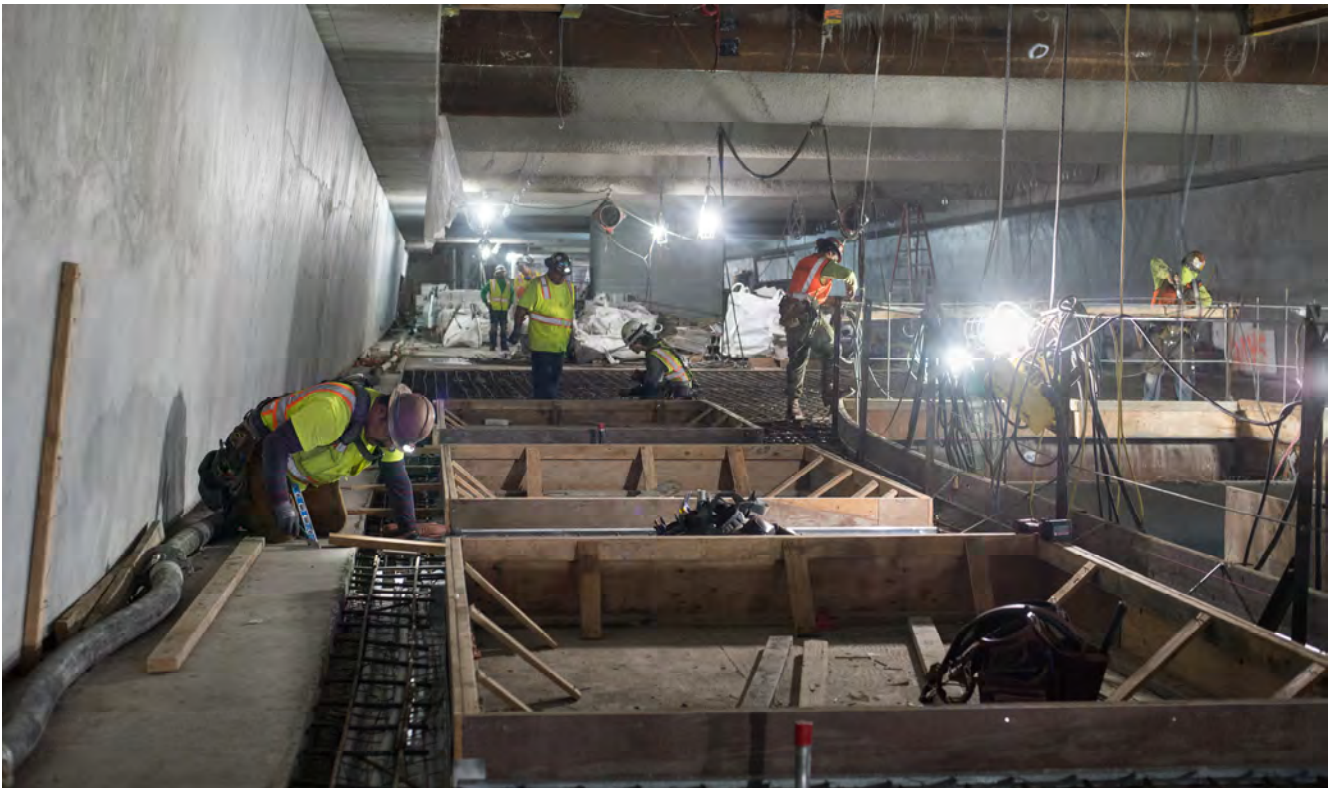
Teams work feverishly to construct the platform level of Chinatown Station, seen looking south from the cross-cut cavern under the Washington and Stockton intersection.



New utility vaults are being installed along the west side of Stockton adjacent to the Chinatown Station headhouse site.



A crew on the mezzanine level of the Union Square/Market Street Station assembles interior cinderblock walls under the intersection at Stockton and O'Farrell.



Carpenters on the intermediate strut level of the Union Square/Market Street Station assemble formwork and rebar to build a section of floor slab where ventilation structures will come up from lower levels.



A shower of sparks falls from a scissor lift under the intersection at Stockton and Geary as workers continue removing extraneous reinforcing and prepare the interior for permanent structural elements.



Segments of green turf used as part of the 2018 Winter Walk are being rolled up and banded for storage, following the end of the holiday season plaza.



Rain or shine, a crew coordinates pumping concrete from a boom pump into sections of wall near the roof slab of the Yerba Buena/Moscone Station headhouse.



Formwork continues going up to build the next level of a large headhouse ventilation structure adjacent to Clementina Alley.



A supervisor gives instruction atop the Yerba Buena/Moscone Station headhouse at the corner of 4th and Folsom.



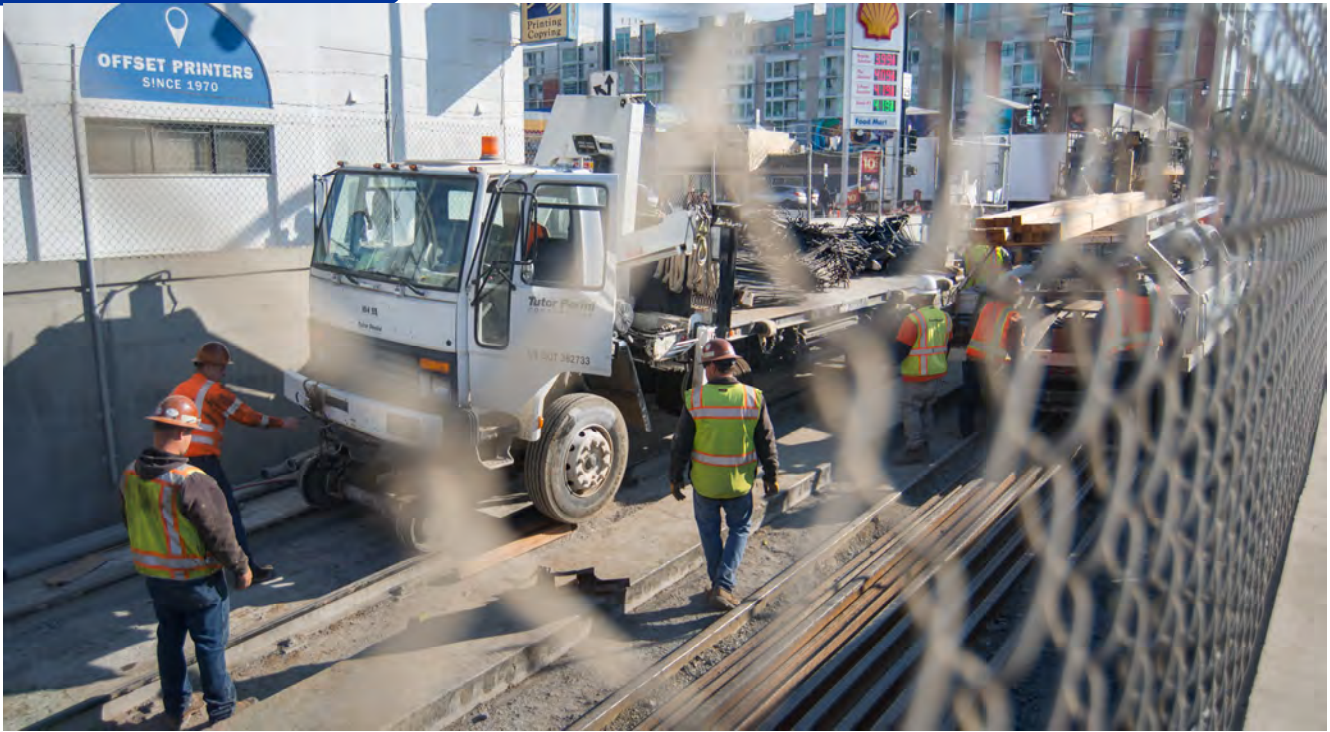
Steel studs for a furring wall are being installed along the southbound side of the Yerba Buena/Moscone Station platform.



A worker ties sections of rebar together with wire as part of tunnel walkway construction in the northbound tunnel just south of the Union Square/Market Street Station platform.



A crew moves sections of steel concrete forms used to construct tunnel walkway segments inside the northbound tunnel as it approaches Union Square/Market Street Station.



A vehicle laden with rebar to be used in tunnel walkway construction lowers its rail wheels before entering the northbound tunnel at the tunnel portal.



A crew places sections of steel formwork ahead of pouring concrete for a new section of elevated tunnel walkway.

Appendix A

DETAIL COST REPORTS

*January 2019 Notice: The City continues to experience problems that were caused by error and inaccuracy from the transition from FAMIS to Financial System Project (FSP). An updated methodology has been implemented within the financial reporting that will provide more accurate figures for transactions occurring in fiscal year 2019.

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.

Total net incurred costs for the project are \$1,305.01 million, a \$13.19 million increase over last month. The cost to date figure reflects expenditures through FAMIS 786 Report (\$1,265.04 million) plus the utilities joint trench Form B Reimbursement payment (\$12.30 million), invoices currently being processed (\$25.01 million) and estimates of outstanding pay requests (\$2.69 million). This incurred amount equals 82.68% of the total project budget of \$1.578 billion.

The current funding level to date is \$1,517.99 and includes Prop K \$964,968 FY2018/2019 Sales Tax Program appropriated in December 2018. This represents 96% of the total project budget.

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	103	9/30/2018	\$ 171,738.91
CS155.2	104	10/31/2018	\$ 190,172.77
CS155.2	105	11/30/2018	\$ 219,185.88
CS155.2*	106	12/31/2018	\$ 219,185.88
CS155.2*	107	1/31/2019	\$ 219,185.88
CS155.3	103	10/31/2018	\$ 66,299.89
CS155.3	104	11/30/2018	\$ 62,126.51
CS155.3*	105	12/31/2018	\$ 62,126.51

CONTRACT	PP NO	PP PERIOD TO	PROG PYMT AMOUNT
CS155.3*	106	1/31/2019	\$ 62,126.51
CN 1300	59	11/30/2018	\$ 7,726,850.00
CN 1300	60	12/31/2018	\$ 6,462,521.00
CN 1300	61	1/31/2019	\$ 10,107,603.00
CS149*	118	9/30/2018	\$ 672,915.60
CS149*	119	10/31/2018	\$ 672,915.60
CS149*	120	11/30/2018	\$ 672,915.60
CS149*	121	12/31/2018	\$ 672,915.60
CS149*	122	1/31/2019	\$ 672,915.60
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*		1/31/2019	\$ (1,490,291.99)

* Estimated Amount

\$ 27,693,402.16

2. CONTINGENCY ALLOCATIONS AND USAGE

The current Total Project Contingency is **\$53.04 million**, which is a \$28.04 million favorable balance against the current Minimum Contingency level of \$25 million. The Contingency Drawdown Curve is shown in Report 7.3. Follows by Report 7.4 Contingency Management Trend Report with the Remaining Contingency after Approved Changes Deducted contingency items in column "i".

In this reporting period, CN1300 Station processed eight contract modifications in the amount of \$2,850,326. Refer to Report 7.5 for approved contract modifications and potential changes.

3. BUDGET TRANSFERS

CN1300 Station processed eight contract modifications in the amount of \$2,850,326; three in SCC 40 category, four in SCC 20 category, and one in SCC 50 category. There is a net budget transfer of \$0 in this reporting period due to the further drill down of SCC 10-50 categories; allocated contingency is in SCC 20 category. When a contract modification is processed, the funds are drawn from allocated contingency. Refer to Report 7.7 Column C for budget transfers.

4. FORM B

The Utilities Joint Trench Form B Details is listed in the Table A2 below. Total utilities joint trench Form B Reimbursement payment to three construction contracts is \$12.30 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)	851,816	
1.3.491.03.040.02 - FORM B - UMS: CN1300 UTILITY REIMBURSEMENT	(528,370)	466,189	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)	12,304,128	

5. EARNED VALUE (EV) ANALYSIS

In January 2019 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 December Earned Value

Overall Budgeted Cost:	\$1,578,300,000
Planned Value:	\$1,551,849,997
Earned Value:	\$1,302,794,979
Actual Cost:	\$1,305,010,805
Schedule Performance Index (SPI):	0.84
Cost Performance Index (CPI):	1.00
Percent Complete:	82.5%

SFMTA, EV Chart

JANUARY 31, 2019 Update

Activity ID	Activity Name	Start	Finish	Performance % Complete	Budgeted Total Cost	Planned Value Cost (PV)	Earned Value Cost (EV)	Actual Total Cost (AC)	CPI	BPI
CENTRAL SUBWAY PROJECT										
		03-Jun-03 A	28-Dec-21	82.47%	\$1,578,238,888.55	\$1,551,949,988.87	\$1,302,784,878.35	\$1,305,010,804.74	1.00	0.84
	Preliminary Engineering Phase	03-Jun-03 A	07-Jan-10 A	100%	\$46,542,061.34	\$46,542,061.02	\$46,542,061.02	\$46,542,060.53	1.00	1.00
	Final Design	08-Jan-10 A	17-Jun-13 A	100%	\$115,075,987.10	\$115,075,987.06	\$115,075,987.06	\$113,850,852.17	1.01	1.00
	Light Rail Vehicles	15-Apr-13 A	27-Sep-19	8.25%	\$16,800,000.00	\$28,385,853.00	\$2,177,131.58	\$11,929,246.72	0.18	0.08
	Real Estate	01-Aug-08 A	15-May-15 A	100%	\$32,140,417.71	\$37,405,885.00	\$37,405,885.00	\$30,543,084.53	1.22	1.00
	Construction Phase	03-Jan-10 A	31-Oct-21	81.91%	\$1,358,016,814.40	\$1,318,820,844.30	\$1,101,583,804.68	\$1,102,045,480.79	1.00	0.84
	Construction Support and Costs	03-Jan-10 A	31-Oct-21	81.37%	\$210,182,028.74	\$171,980,102.07	\$162,828,800.14	\$163,316,221.87	1.00	0.95
	Construction Utility Contract #1 - MGS & Portal CN-1250	04-Jan-10 A	23-May-11 A	100%	\$11,868,150.00	\$11,868,150.00	\$11,868,150.00	\$11,868,150.00	1.00	1.00
	Construction Utility Contract #2 - UMS CN-1251	12-Jan-11 A	15-Oct-12 A	100%	\$20,668,081.47	\$20,704,582.00	\$20,704,582.00	\$20,668,081.47	1.01	1.00
	Construction Tunnels CN-1252	08-Jun-11 A	28-Jan-19	93.05%	\$233,511,253.03	\$251,088,987.23	\$233,608,864.28	\$233,511,253.94	1.00	0.93
	Construction CN-1300	03-Jun-13 A	12-Nov-19	78.11%	\$878,878,400.16	\$881,108,143.00	\$872,593,378.27	\$872,580,774.01	1.00	0.78
	Unallocated Contingency	28-Jan-19	28-Dec-19	0%	\$11,724,819.00	\$9,519,458.49	\$0.00	\$0.00	0.00	0.00
	Project Management	28-Dec-19	28-Dec-21	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.

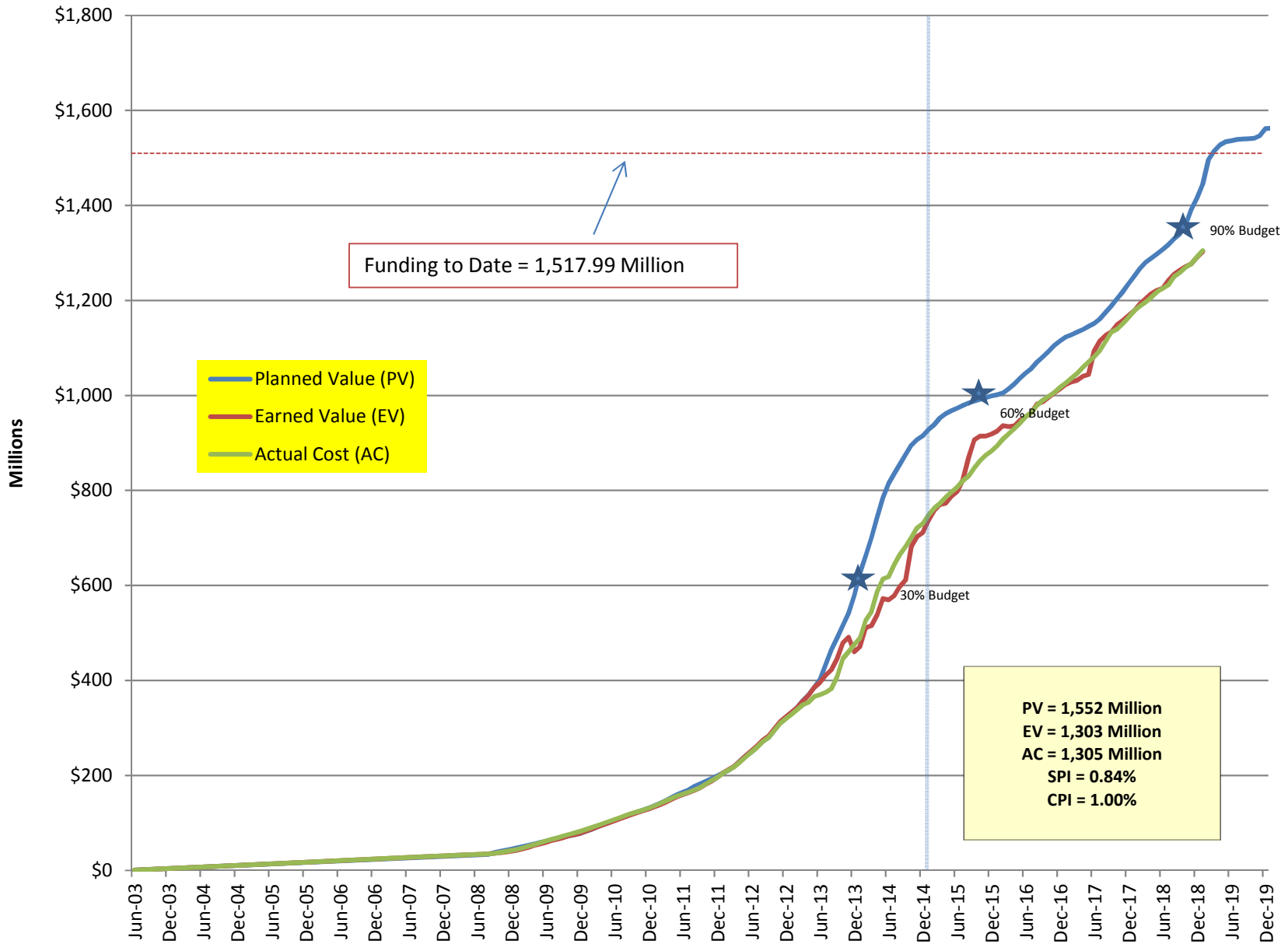
Funding Available Table		
	Funding	
	Committed Funding Sources	Total Awarded Funds to Date
Federal		
Sect. 5309-NS	\$942,200	\$942,200
CMAQ	\$41,025	\$41,025
One Bay Area Grant Cycle 2	\$15,980	\$0
Federal Subtotal	\$999,205	\$983,225
State		
TCRP	\$14,000	\$14,000
State RIP	\$53,248	\$12,498
Prop. 1B (I-Bond) PTIMSE	\$307,792	\$307,792
Prop. B/Other Local	\$4,055	\$0
Prop. 1A (HSR-Bond)	\$61,308	\$61,308
State Subtotal	\$440,403	\$395,598
Local		
MTA	\$0	\$475
Prop. K	\$138,692	\$138,692
Local Subtotal	\$138,692	\$139,167
CPT 544 Total	\$1,578,300	\$1,517,990

7. LIST OF COST REPORTS

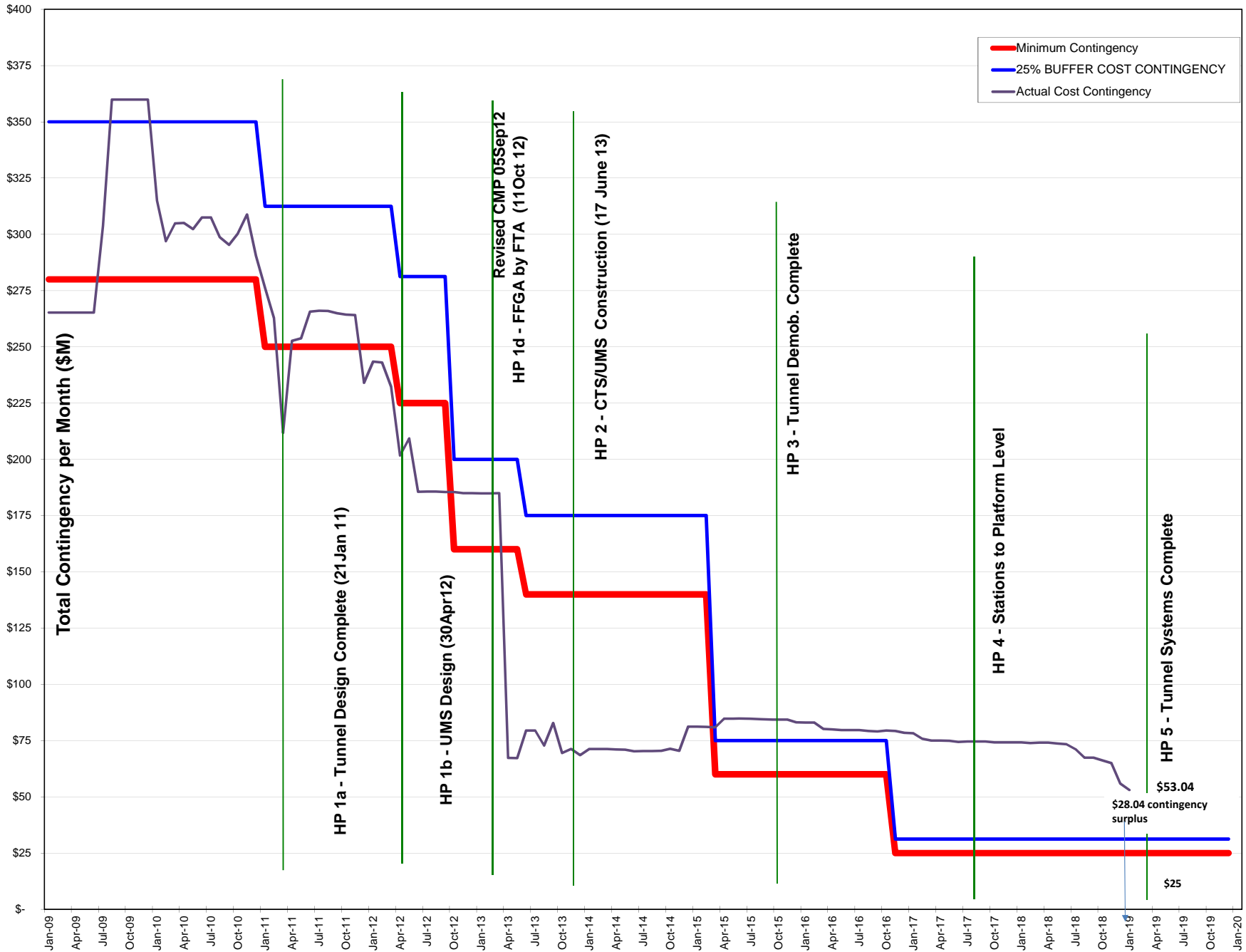
- 7.1 Program Project Budget
- 7.2 Earned Value Cash Flow
- 7.3 Contingency Drawdown Curve
- 7.4 Summary Contingency Management Trend Report
- 7.5 Detail Contingency Usage Report
- 7.6 Budget Revisions: Report sorted by Construction Packages & Soft Costs
- 7.7 Project Budget & Expenditure Report: Sorted 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/Magyar	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. Magyar	I-Bond Interest	no	4
5	CPT705 MOH - Broadway/Sansome	\$8,000,000	K. Magyar	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	yes	17
Total:		\$24,695,609				

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	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
<i>Contract 1250 Department of Technology</i>	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
<i>Contract 1251 Department of Technology</i>	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	18,068,390	857,744,790	18,141,758	875,886,548	20,000,000	20,000,000	40,000,000	21,931,610	3,789,852	879,676,400	3,789,852	21
1253 UNION SQUARE/MARKET ST STATION [UMS]	294,030,590	5,014,232	299,044,822	7,552,564	306,597,386	5,000,000	15,000,000	20,000,000	14,985,768	7,433,204	314,030,590	7,433,204	
1254 CHINA TOWN STATION [CTS]	247,567,810	8,983,302	256,551,112	3,243,841	259,794,954	5,000,000	5,000,000	10,000,000	1,016,698	(2,227,144)	257,567,810	(2,227,144)	22
1255 YERBA BUENA/ MOSCONE STATION [YBM]	158,089,000	932,592	159,021,592	5,694,202	164,715,794	5,000,000		5,000,000	4,067,408	(1,626,794)	163,089,000	(1,626,794)	
1256 SURFACE TRACKWORK & SYSTEMS [STS]	139,989,000	3,138,264	143,127,264	1,651,151	144,778,415	5,000,000		5,000,000	1,861,736	210,585	144,989,000	210,585	
OTHER	38,239,187	1,060,000	39,299,187		39,299,187	1,160,000	1,060,000	2,220,000	1,160,000	1,160,000	40,459,187	1,160,000	23
SCC 10 - 50 Construction Sub-total	1,137,848,462	25,586,371	1,163,434,833	18,141,758	1,181,576,590	52,139,137	(3,731,226)	48,677,979	23,091,610	4,949,852	1,186,526,441	4,949,852	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	2,263,498	312,781,539		312,781,539	18,221,079		18,221,079	18,221,079	18,221,079	331,002,618	18,221,079	26a
SCC 60 - 80 Construction Sub-total	371,138,552	(9,310,692)	361,827,860	0	361,827,860	21,498,020	(3,276,941)	18,221,079	18,221,079	18,221,079	380,048,939	18,221,079	
SCC 90 UNALLOCATED CONTINGENCY						3,845,945	7,878,674	11,724,619	11,724,619	11,724,619	11,724,619	11,724,619	27
TOTAL	1,508,987,014	16,275,679	1,525,262,693	18,141,758	1,543,404,450	77,483,102	870,507	78,623,677	53,037,308	34,895,550	1,578,299,999	34,895,549	
											Total Project Budget	1,578,300,000	28
											Estimate At Completion	1,543,404,450	29
											Variance	34,895,549	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	\$857,744,790
Substantial Completion	6/30/2018	6/30/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
Potential Changes	7,552,564	3,243,841	5,694,202	1,651,151	31
Change Order - Pending					
CTS COR 372 DSC Potholing @ N Acces		9,846			
CTS COR 824 Multiple Setups, Standb		1,384			
CTS COR 994 FACO#01,10,11 & Alw 13		26,319			
CTS PCC 43 Removal of Bus Bulb		15,180			
Job Readiness - CTS		(390,000)			
Job Readiness - STS				(140,000)	
Job Readiness - UMS	(390,000)				
Job Readiness - YBM			(140,000)		
STS COR #89 Extra Sewer Work				15,561	
STS COR #91 PG&E Vault Conf 16" Wtr				68,299	
STS COR 1085 AWSS Confl't w/ 36" Swr				16,135	
STS COR 1115 Unkwn Conc Impdng AWSS				2,586	
STS COR 1194 Unkwn MH Incor MH				2,866	
STS COR 522 Thickened Str. Stan				6,220	
STS COR 650 Asbestos conf w/ ATT DB				4,510	
STS COR 736 Addition Rein Handholes				5,905	
STS COR 844 4th & King Trcwrk Shtdn				1	
STS COR 987 Unkn Utl confl't w/ (N)				71,823	
STS PCC 151 LED Street Lamps				27,515	
STS PCC 326 Train Control Cab As-Bu				31,987	
UMS COR 1056 Embed Steel Plates	443				
UMS COR 1076 Unkwn Conduits & Conc	7,141				
UMS COR 1494 Wax Tap Ends N 8" WM	751				
UMS COR 781 Utility Trench Supp Slab	42,423				
UMS COR 831 E BM @ GL10 Connection	4,670				
UMS COR 885 Light Pole Foundation	15,703				
UMS E Vault Conflicting Pile Line	11,895				
UMS FACO #38 Pile H3 & H4 Piles	15,220				
UMS MRY Duct Bank-East Conflict	50,485				
UMS PCC 122 Drain Piping Grout Dtls	313,854				
UMS PCC 195 Reinf. of Wall to Slab	1,514				
UMS PCC 212 Trouble Lights	(201)				
UMS PCC 247 Changes to RP-304	17,205				

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	\$839,676,400	\$857,744,790
Substantial Completion	6/30/2018	6/30/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
UMS PCC 270 Receptacles & Circuits	75,361				
UMS PCC 282 Mezzanine N. Headwall	23,458				
UMS PCC 298 Sewer at Stair 3 and 4	30,466				
UMS PCC 314 Potholing S.Laterals	8,838				
UMS PCC 327 Traffic Signals Ellis	2,236				
UMS PCC 333 Water Service Offset	5,270				
UMS PCC 334 Pothole for Sewer	3,591				
UMS PCC 345 Lead Paint Abatement	221,766				
UMS PCC 356 Steel Support at Mezz.	11,324				
UMS PCC 411 Foam for Beam 95 Cavity	4,975				
UMS PCC 93 Ellis Deck Seismic Joint	10,502				
USG COR 261 8" Wall at Grid 11B	3,473				
USG PCC 110 Term of Built Up Colus	58,065				
USG PCC 124 Irrigation Main	16,266				
USG PCC 127 Footing Elev Suvey Diff	10,087				
USG PCC 186 Bollard on Ramps	28,124				
USG PCC 190 Plaza Level Slab Detail	9,354				
USG PCC 191 Column 14 A Changes	5,290				
USG PCC 197 Precast Planter Pots	11,029				
USG PCC 31 HVAC Trench Mod.	132,837				
USG PCC 68 Ramp Barriers Handrail	32,873				
USG PCC 73 Acceleration of Work	83,187				
YBM COR 1205 DSC Ductbank & 12" WD			20,127		
YBM COR 1223 Removable guardrail			13,151		
YBM COR 1238 No Weld Bead @ 30" FM			4,022		
YBM COR 1244 Conc. encase. conflict			2,802		
YBM COR 1252 Build 20"x4" Blow Off			3,995		
YBM COR 1283 Chase for Refrigerant			1,795		
YBM COR 1293 Steel Line Conflict w/			2,455		
YBM COR 1306 Hold Point Koden Check			11,635		
YBM COR 1377 (E) 20" Waterline conf			24,123		
YBM COR 1534 Square Tubing for Bike			533		
YBM COR 1620 Install Knife Valve			1,060		
YBM COR 705 Del bems & Embds/Ven sh			(22,928)		
YBM COR 841 Design Chng Stair 1 run			7,638		

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	\$839,676,400	\$857,744,790
Substantial Completion	6/30/2018	6/30/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
YBM COR 953 Added Condensate Drain			6,059		
YBM COR 972 Ex Ut Inc W Ctch Basin			2,982		
YBM PCC 182 Primers & Vents for FDs			10,099		
YBM PCC 209 Tract Power GRS Downsiz			(23,988)		
YBM PCC 214R1 FHC and AR Phones			23,045		
YBM PCC 252 Protect In-Slab Pipes			15,173		
YBM PCC 340 Stripe Howard 3rd - 4th			316		
YBM PCC 436 Chg to Luminous Ceiling			21,274		
Change Order Request (COR)					
CTS COR 1589 Raised Floor w/ Pre-Ca		0			
CTS COR 1642 Suspension of Work Due		0			
CTS COR 1646 Reinforcing for Beams		0			
CTS COR 1664 DSC Excavation of #7 V		0			
STS COR 1320 Accel Sewer Work				67,401	
STS COR 1545 ATCS Signal Recommenda				0	
STS COR 1689 Sump Pit Cover Redesig				0	
STS COR 1694 Plinth Confl w CB Scup				0	
UMS COR 1691 Metal Lid Over Stairs	0				
Negotiation					
COR 1543 Thales ATCS Sig Recom				0	
CTS - PCC #036 (CMU Wall Bracing)		19,552			
CTS COR 1013 CTS Setlmt Mitigation		20,001			
CTS COR 1016 Locate Water Leak		4,538			
CTS COR 1031 Add Fire Hose Valves		14,896			
CTS COR 1061 S Pltfrm Unstable Grnd		150,000			
CTS COR 1086 FP Deluge Valve		0			
CTS COR 1107 Compensation Grout		0			
CTS COR 1159 Change Escalator 1 & 2		484			
CTS COR 1175 Compensation Grout Set		10,001			
CTS COR 1177 NDSC Unknown Utilities		5,000			
CTS COR 1186 Unknown 1" Water Serv		16,419			
CTS COR 1249 Add GFRC Panels		130,001			
CTS COR 1253 N. Emergency Egress		5,349			
CTS COR 1308 Dwg Interpretation		67,160			
CTS COR 1401 Excessive Compensation		80,001			

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	\$839,676,400	\$857,744,790
Substantial Completion	6/30/2018	6/30/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
CTS COR 1632 Platform GFRC Wall Pan		95,061			
CTS COR 255 Additional Instruments		429,777			
CTS COR 324 Strt to Beam Con@ G/L7		5,374			
CTS COR 408 MSX Termination		191,291			
CTS COR 437 Unanticipated Elec @ Sh		1,779			
CTS COR 445 3x5 w/ HDPE/PVC Inside		10,001			
CTS COR 526 Connection b/t Wall & D		25,001			
CTS COR 527 Connection b/t Wall/Dec		40,939			
CTS COR 568 CMOD 019 Reservations		31,906			
CTS COR 582 Monitor at Agent Booth		36,370			
CTS COR 625 Added Cane Detc Rail		6,066			
CTS COR 626 Ad HSS & Plt @ H Beam		4,267			
CTS COR 627 Add HSS Col @ Tickt Mac		2,471			
CTS COR 628 Add Beams and Embeds		8,285			
CTS COR 659 Add Grts at Sta Ag glas		2,103			
CTS COR 679 GI Cutos & Add Sp hds		23,450			
CTS COR 681 Crss Cut Cvrn SEM Excvn		60,001			
CTS COR 866 ATCS/Thals Sngl Pwr Sor		10,001			
CTS COR 917 Spriklr Hnging Method		50,001			
CTS COR 923 Esc Equip Room Size		10,001			
CTS Delete PGE Work at Vault 732		(35,036)			
CTS PCC 001 Delete DB on Stockton		(84,018)			
CTS PCC 120 Prov Cond-Lft-net System		0			
CTS PCC 169 JT Config Change		48,068			
CTS PCC 207 SEM Sequencing Changes		0			
CTS PCC 262 Cavern Wall Artwork		18,000			
CTS PCC 316 PSG 500 to 750 MCM		75,000			
CTS PCC 332 Add Lighting Artwork		21,000			
CTS PCC 347 PGE Permanent Elect		20,001			
CTS PCC 348 Omission of Metal Ring		40,001			
CTS PCC 349 Platform Column C1 Size		2,001			
CTS PCC 350 Escalator Raceways Mach		20,469			
CTS PCC 351 Trap primers for floor		10,000			
CTS PCC 352 Downspout Requirement		822			
CTS PCC 353 Elevators 1 & 2 Machine		0			

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	\$839,676,400	\$857,744,790
Substantial Completion	6/30/2018	6/30/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
CTS PCC 355 FHC and Area of Refuge		5,000			
CTS PCC 364 Changes to Data Outlets		1,000			
CTS PCC 378 Crosscut Tunnel Final L		50,000			
CTS PCC 379 Increase Door Size		5,000			
CTS PCC 380 Add Fire Hose Valves		11,200			
CTS PCC 383 Heating Refrigerating		150,000			
CTS PCC 388 Stair #5 Clear Width Di		2,000			
CTS PCC 404 Escalator & Stair Glass		1,000			
CTS PCC 409 Additional ATCS Conduit		4,000			
CTS PCC 412 Add a conduit for the N		1,000			
CTS PCC 415 Additional Reinforcemen		1,500			
CTS PCC 433 Beam Reinforcement at I		25,000			
CTS PCC 438 Additional Reinforcemen		500			
CTS PCC 445 DSC Excavation of #7 PG		20,000			
CTS PCC 98 Slurry Wall Wr Proofing		0			
CTS PCC#25 Stairs 5, 6, 7 Mods		27,962			
CTS PCC258 Start PCN before Com PCS		0			
CTS-COR#201 Swr Line & Station Roof		37,661			
CTS-Delete Tree Planting		(3,967)			
CTS-PCC40 Plaza Surface Slab Pntrtn		4,878			
GEN PCC 183 Electric Power Elevator			31,574		
GEN PCC 189 Anti-Graffiti Film			83,371		
GEN PCC 33 End Platform Gate Revisi			57,403		
PCC 432 Station Agent Booth Slab Op		5,000			
STS - Additn manholes for 78" sewer				25,838	
STS - Deletion of ARS (Revision 1)				(5,335,785)	
STS - PCC#28 Portal Dowels				(1,753)	
STS COR #88 Modify CBs and Culverts				4,395	
STS COR 067 FACO #41 GW Lead Filter				22,695	
STS COR 093 12" Water Conf 12" Tee				0	
STS COR 094 Unknown DB Conf 12" Wtr				0	
STS COR 1009 AWSS Lat Conflict				186,360	
STS COR 101 Cleaning for non-78" SW				58,906	
STS COR 1017 Increase Neoprn Pad le				164	
STS COR 1022 2" Traffic Sgnl Condui				1,428	

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	\$839,676,400	\$857,744,790
Substantial Completion	6/30/2018	6/30/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 1034 E live DT/MRY Ductbank				39,041	
STS COR 1045 78" Conc Cap Repair				19,381	
STS COR 1072 Raised Prtl Walkway				6,275	
STS COR 1075 U Wall Section Slab				4,001	
STS COR 1091 Conc Footing & PVC				1,551	
STS COR 1097 21" Sewer Bulkhead				13,338	
STS COR 1099 Cnflct with 24" casing				34,788	
STS COR 1100 E Swr Cnflt w/ 18" HDP				48,176	
STS COR 1104 Unkwn Aluminum Pipe				1,974	
STS COR 1116 Live Ductbank in Cnflt				15,000	
STS COR 1119 48" Corrg Pipe Cnflc				16,535	
STS COR 1150 Unkwn 18" Stl Line				2,316	
STS COR 1165 DSC - Unknown void				4,008	
STS COR 1172 DSC Utilities Conflict				17,398	
STS COR 1178 Extra Shoring - 36" FM				2,929	
STS COR 1179 Exst Pipes FM				1,769	
STS COR 1180 Unkwn Conc 10" FM				5,000	
STS COR 1187 Add Pothole WD POC				16,513	
STS COR 1201 Unkwn Stl Conduits				25,000	
STS COR 1202 Acceleration 36" FM				172,036	
STS COR 1203 GSUC Delay Backfill				11,068	
STS COR 1212 Reloc Exst 10" SSFM				10,771	
STS COR 1214 Add WD POC Excav				9,285	
STS COR 1216 Traffic Signal Support				2,241	
STS COR 1217 Slurry Backfill Fiber				3,490	
STS COR 1219 MRY DB Confl w 36 FM				50,001	
STS COR 1233 Ext RR Ties Confl Sewe				879	
STS COR 1241 Unkn PVC Conduits				6,945	
STS COR 1251 Shal Utl Trak Slab				130,000	
STS COR 1261 Acceleration 36 FM				6,657	
STS COR 1262 12" WD Blowout				20,078	
STS COR 1266 Shallow Fiber DB				6,531	
STS COR 1268 FH Install NE 4th Brya				7,001	
STS COR 1271 Addl Parking Strip				0	
STS COR 1276 Install Culvert 4th Br				(7,054)	

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	\$839,676,400	\$857,744,790
Substantial Completion	6/30/2018	6/30/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 1278 MRY Vault Cables				50,000	
STS COR 1284 Conc Obstrt AWSS				6,040	
STS COR 1285 Unkn Utl Confl TD				749	
STS COR 1286 Unkn DB Confl TD				63,740	
STS COR 1288 Unkn DB Confl TD				3,633	
STS COR 1290 Traf Sig Box Confl				20,000	
STS COR 1295 CI Offset Conflict				166,028	
STS COR 1296 PVC DB Sewer Conflict				6,339	
STS COR 1307 Dmg MH Confl Sewer				131,481	
STS COR 1309 Brick Sewer Conflict				41,063	
STS COR 1310 Concrete Kicker				2,474	
STS COR 1314 Unkn Stl CI Conflict				14,258	
STS COR 1319 48" Sewer MH Confl				6,336	
STS COR 1323 Utl Confl AWSS FH				28,563	
STS COR 1325 Tide Flex Confl DB				5,935	
STS COR 1328 Invest Swr Lateral				3,257	
STS COR 1331 Brick Wall Conflict				2,908	
STS COR 1333 Changes to Marquee				3,496	
STS COR 1351 Tele Volt Power				0	
STS COR 1364 Culvert Confl Trk Drn				2,001	
STS COR 1372 Conc Blkt AWSS Confl				2,864	
STS COR 1381 Poly Drain Confl MRY				1,116	
STS COR 1393 AWSS Restraint Req				10,001	
STS COR 1402 Subsurface Slab				1,463	
STS COR 1434 Unknown Duct Bank Conf				796	
STS COR 1445 Unkwn Fiber Pave Reno				5,000	
STS COR 1446 PGE Vault Pave Reno				0	
STS COR 1492 Pave Reno 4th Brannan				50,001	
STS COR 1497 Pave Reno SW 4th Brann				50,001	
STS COR 1510 Sta Canopy Column Slee				5,001	
STS COR 1541 VCP Steel Casing				4,181	
STS COR 1544 ATCS Sgnl Recmmndtion				5,001	
STS COR 1561 Rusted Tunnel Inserts				0	
STS COR 1562 Curved Unistruts				0	
STS COR 1593 ATT MH 4th Brannan				8,001	

Contract Modification/Trend Log - Contract 1300 Stations

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	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 1615 Public Safety Comms				10,001	
STS COR 1622 Exist Pull Box Ramp				0	
STS COR 1634 Sewer Confl Light Pole				2,000	
STS COR 164 DSC 8" AWSS Lat Conf 78				4,077	
STS COR 211 SW conf AWSS 4th/Freelo				4,561	
STS COR 220 DSC Relocate MRY DB&Vlt				0	
STS COR 297 TC for Track Work at 4t				150,000	
STS COR 367 DSC Conf w/ CP and FM				40,783	
STS COR 371 Conflicts w/ 12" AWSS				25,364	
STS COR 392 Util at 4th-Town SW MH				13,246	
STS COR 401 AWSS Layout 4th/King				214,125	
STS COR 402 3x5 SW Confl w/ VCP SW				10,000	
STS COR 404 Contam Soil in MRY DB				9,361	
STS COR 406 Addtl TC at 4th/King				399,724	
STS COR 416 Conc DB/wall/lines conf				81,783	
STS COR 447 Added Exc for SFWD POC				29,423	
STS COR 454 Addtl Conflicts w/ 8" W				203,549	
STS COR 455 Conflicts w/ 8" WD Line				10,000	
STS COR 456 Conflicts w/ MRY Poles				20,000	
STS COR 475 Removal of Fiber Optic				1,101	
STS COR 484 New WD & AWSS Alignment				52,174	
STS COR 488 Tunnel Track Alignment				50,001	
STS COR 500 Tunnel Monuments				0	
STS COR 530 Tunnel Track Machine				20,064	
STS COR 533 Conc wall confl util				38,279	
STS COR 536 Util in Conf w 36" FM				66,287	
STS COR 559 Temporary Trolley Pole				5,890	
STS COR 567 Loct of Plinth Breaks				10,000	
STS COR 584 Debris confl w/ culvert				6,275	
STS COR 604 Duct Bank in conf. w se				(13,879)	
STS COR 609 Damaged MRY Conduit				21,792	
STS COR 615 Sump Pump Pit Cover				1,064	
STS COR 621 Additional WD Exc. per				26,293	
STS COR 623 Unkn Con Structure				2,966	
STS COR 632 Omit Unist & add Anr Bt				2,180	

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	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 633 Ligting Arrrests Signal				10,001	
STS COR 641 SW delay due to conf ut				10,025	
STS COR 644 Wod Pier Cnf w AWSS				13,258	
STS COR 657 Tunnel Ca Bsn Dsn Chang				20,000	
STS COR 666 Ukn Con Vlt/con N36"				10,118	
STS COR 682 Shtdown #1 Rail Mods				9,432	
STS COR 683 Gas Ln & unkn Duct Bank				20,391	
STS COR 694 Tr Rts in con/car pipes				821	
STS COR 699 Dct Bnk in Cnf w 36"FM				23,817	
STS COR 702 Brk Cs Bsn cnct w N Cuv				1,381	
STS COR 703 Tunl Wakway Expn jnts				386	
STS COR 737 Dct Bnk infc w AT&T Rem				2,455	
STS COR 751 Db in coflct 36" FM& MH				75,150	
STS COR 755 AWSS Material Delay				16,512	
STS COR 787 AT&T Dct Bnk InCw N 36"				35,000	
STS COR 788 Add Basin & Culvert				28,843	
STS COR 796 Woodn Piers Woodn Beams				10,001	
STS COR 807 Tunnel Invret Slab				13,198	
STS COR 813 Permissive Signal				10,001	
STS COR 826 DSC Swr Cap & I Beams				15,000	
STS COR 834 Thales ATCS TC Pwr Dist				10,001	
STS COR 849 brk Pen incof w 78" Swr				485	
STS COR 852 Caltrans Encrocmnt Prmt				10,001	
STS COR 873 Ex L3 DcBnk Incn Pv Ren				12,096	
STS COR 874 Inter Loc of MRY Dc Bk				20,000	
STS COR 880 Ex Dbk in con Ins SC				1,001	
STS COR 890 Ex Pll Box Incon Crb Rm				3,001	
STS COR 893 Abnd Wtr Ser @St 175+21				682	
STS COR 909 PGE Gas Interruption				0	
STS COR 911 E SW Conf w 48" SW				9,632	
STS COR 920 Hoist Beam Supports CP5				(1,932)	
STS COR 926 E TS conduits conf w pa				10,000	
STS COR 927 E Gas Conf w N CB				3,000	
STS COR 929 MH Conf w SW Grout				14,297	
STS COR 930 SW Cracks Conf w Grout				5,000	

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	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 931 Tree Removal				2,998	
STS COR 934 Revised Curb/Gutter				10,001	
STS COR 942 Radio Sys Prelim Design				50,001	
STS COR 954 Culvert Field Investiga				20,106	
STS COR 958 Trk Pave Change				(193,611)	
STS COR 962 4th/King Incomp Hrdwr				34,448	
STS COR 965 DB conf w 8" WL and Sle				102,893	
STS COR 970 16" WL Installation				76,221	
STS COR 974 Fldng frm Brkn Wtr Mn				18,610	
STS COR 976 Ex Unkwn Mnhl & Dct Bnk				25,761	
STS COR 979 (N) CB in Conf w/ (E) V				3,639	
STS COR 98 DSC MRY MH Conf w N CB				189,966	
STS COR 980 Repair Install GV				15,456	
STS COR 983 Ex Rbr in Cnflt w/ WL				1,845	
STS COR 995 E 3" Asbs Conduit Cnflt				996	
STS COR 996 Prtl WI Cnflct w/ slab				4,106	
STS COR 997 E Unkn Cncrt Encsmnt				11,292	
STS COR 999 E 18" Steel Pipe Confli				0	
STS Existing Fuel & Transite in MRY				14,101	
STS PCC 052 Deletion of ARS Pt II				(177,246)	
STS PCC 063 Del ATT/TSIC/PGE on 4th				(36,495)	
STS PCC 084 Removal of ATT DB & Vau				168,173	
STS PCC 096 4th Street SW Slip Lini				828,956	
STS PCC 114 Stdpipe & Cond @ Portal				340,674	
STS PCC 117 PDS Signs Moun Brackt				50,034	
STS PCC 121 PG&E Pnts Streetlightig				282,638	
STS PCC 161 Delete Plat ESPBs				0	
STS PCC 206 Replace CCTV equipment				(315,264)	
STS PCC 223 4th and King Advnc Wrk				32,732	
STS PCC 224 Addn'l Water Line Work				262,654	
STS PCC 227 Paving for Temp Roadway				78,020	
STS PCC 232 WL at Welsh St				36,090	
STS PCC 236 Pavement Survey				2,291	
STS PCC 239 Excavate Duct Bank				56,480	
STS PCC 244 PDS Signs				(45,075)	

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	UMS	CTS	YBM	STS	COST REPORT NOTES
STS PCC 249 Add Water Line on 4th				53,752	
STS PCC 255 Sidewalk Restoration				41,289	
STS PCC 265 Phone Encl Blue Light				63,385	
STS PCC 278 Rev Track Crub Drain				307,695	
STS PCC 279 WD Work S 4th Brannan				84,040	
STS PCC 283 Power Dist Single Line				24,169	
STS PCC 311 Vetag Infrastructure				52,629	
STS PCC 313 Pave Reno Weekend				217,211	
STS PCC 319 4th Bran Pave Reno Wknd				96,041	
STS PCC 331 Marquee Pole Changes				9,008	
STS PCC 359 4th Bryant Pave Wkend				0	
STS PCC 376 FiberPanels and Cabling				0	
STS PCC 377 Traffic Signal Change				0	
STS PCC 403 Curb Ramp Sidewalk Chan				52,936	
STS PCC 410 ATCS External Cable				0	
STS PCC 422 ATCS Switch Machine				0	
STS PCC 426 TCR Layout at CTS				0	
STS PCC 440 TCR Layout at UMS				0	
STS PCC 441 TCR Layout at YBM				0	
STS PCC 442 ATCS Wayside Equip Sta				0	
STS Track Switch Machine Change				147,537	
STS-FACO #48 Work Related St Lght				2,051	
UMS - DCW and Hose Bibbs	29,159				
UMS - N. Entrance Art Glass and Gla	0				
UMS COR 102 Cap on 12 inch Water	8,001				
UMS COR 1074 Traffic Signal Footing	10,001				
UMS COR 1095 Main Box Selec Accel	0				
UMS COR 1102 New 8" WD Tie-In	93,921				
UMS COR 1167 South Headwall Repair	65,001				
UMS COR 1190 Mtr Pedestal at Mrkt S	10,001				
UMS COR 1229 Granite Base Footing	2,001				
UMS COR 1299 E PG&E Vault at Ellis	31,173				
UMS COR 1301 Wtrprfing under 71 Ell	50,000				
UMS COR 1335 Scaffold @ NW Cmr Ell	5,000				
UMS COR 1353 Unknwn WD at Ellis	20,000				

Contract Modification/Trend Log - Contract 1300 Stations

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	UMS	CTS	YBM	STS	COST REPORT NOTES
UMS COR 1356 Unknwn Void at Ellis	1,045				
UMS COR 1366 Broken WD at Macy's	3,001				
UMS COR 1416 Brkrm Domestic Water	5,001				
UMS COR 1460 Removal of CB on UD302	801				
UMS COR 1515 Shutdown at OFA	339				
UMS COR 1530 E Brick at Stairs 3&4	5,001				
UMS COR 1597 Overcurrent Studies	10,001				
UMS COR 1629 Wind Load Requirements	45,001				
UMS COR 1645 Unkwn Steel Beam	501				
UMS COR 1649 CN04 & CN07 Elevation	2,001				
UMS COR 1669 Add L2 Fixture	60,001				
UMS COR 1677 Damper Opening Curb	5,001				
UMS COR 1678 Elv 3 Emergency Door	(5,001)				
UMS COR 1684 Incompatible Door	1,001				
UMS COR 1690 Overhead Coiling Door	2,001				
UMS COR 1691 Metal Lid Over Stairs	10,001				
UMS COR 307 Elevator Site Hazmat	16,028				
UMS COR 391 AT&T Duct Bank Conflict	25,001				
UMS COR 403 Waterproofing at BART	63,285				
UMS COR 493 Steel Shape Inside Pile	25,001				
UMS COR 636 Bi-Fold Door Tube Steel	24,911				
UMS COR 660 Added Grommets at Booth	3,253				
UMS COR 747 NDSC Unidnfied Con Pile	7,181				
UMS COR 817 Odor at N. Concourse	100,000				
UMS FACO #31 NDSC Incomplete PGE DB	165,944				
UMS PCC 007 Geoprobe Credit	(15,600)				
UMS PCC 027 Escalator Barricade	(9,227)				
UMS PCC 029 Concrete Wale Support	41,424				
UMS PCC 038 BART Instrmnt Transfer	45,280				
UMS PCC 078 Jet Grout at O'Farrell	11,611				
UMS PCC 118 Elevator Overhead Hoist	117,170				
UMS PCC 136 Transformer in Vault 31	25,000				
UMS PCC 150 S. HW Wale Connection	37,174				
UMS PCC 153 Geary Catch Basin	(5,370)				
UMS PCC 166 Revise Feeder Schedules	97,976				

Contract Modification/Trend Log - Contract 1300 Stations

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	UMS	CTS	YBM	STS	COST REPORT NOTES
UMS PCC 184 Glass Floor Support	8,089				
UMS PCC 196 Exhust Fan & Escltr Cnt	31,313				
UMS PCC 198 Ellis Deck Vertical Joi	22,196				
UMS PCC 201 Door Alarm Points	0				
UMS PCC 213 Electrical at Ellis St.	(5,994)				
UMS PCC 217 POC for Drain Line	(72)				
UMS PCC 219 Add Data & Power Outlet	433,880				
UMS PCC 222 Delete PG&E Conduits	(12,359)				
UMS PCC 228 Added 2"x4" conduits	16,695				
UMS PCC 230 Ellis AT&T Work	20,131				
UMS PCC 246 Fiber Optic Cable	8,613				
UMS PCC 257 Mezz Lvl Hdwl Wale Rein	79,599				
UMS PCC 261 Pltfrm Lvl Intrnl Drain	80,977				
UMS PCC 263 LED artwork	116,391				
UMS PCC 271 Metal Deck Support	88,569				
UMS PCC 273 N Entrce Cncrs Lvl HVAC	49,692				
UMS PCC 275 Drainage at Stairs 3&4	16,791				
UMS PCC 291 Concourse Level Floor D	24,679				
UMS PCC 293 Gas Line on O'Farrell	124,291				
UMS PCC 309 Bus Shelter on Geary	0				
UMS PCC 325 Escalator Slab Rebar	3,539				
UMS PCC 330 Water Services	82,121				
UMS PCC 335 Light Fixtures	17,760				
UMS PCC 336 Waterline Trench on Stk	121,088				
UMS PCC 339 - Escalator 7 & 8 Steel	19,275				
UMS PCC 342 3" Sleeve at Comm. Room	5,016				
UMS PCC 363 Ellis Entrance Finishes	352,574				
UMS PCC 367 Access at Platform Inv.	53,586				
UMS PCC 371 CN04 Electrical Room	57,806				
UMS PCC 386 Sewer Conflict at OFA	3,699				
UMS PCC 391 Gutter Connections	5,749				
UMS PCC 419 Power and Data Outlets	81,847				
UMS PCC 71 Rerouting of Slab Drains	1,236				
UMS PCC 86 Headwall Pile Conflict	8,982				
UMS-FACO #30 NDSC Inadequate CDF	361,570				

Contract Modification/Trend Log - Contract 1300 Stations

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	UMS	CTS	YBM	STS	COST REPORT NOTES
UMS-Relocation of Traffic Signal Co	32,275				
USG COR 1109 Plaza Conc Strs Rein	903				
USG COR 1117 Steel Bracing	2,501				
USG COR 259 Lead Paint on Columns	87,455				
USG COR 274 Shear Wall at Grid 10	68,945				
USG COR 293 Water on N.Concourse	1,832				
USG COR 777 Rvised Bm Angle to Ceili	30,001				
USG COR 805 Fotngs 16A As Built Dim	10,001				
USG COR 808 Dimensions at Escalator	1,501				
USG COR 882 HSS Beam Termination	1,310				
USG COR 975 N Cncrs Invert Slab Slp	(1,806)				
USG COR 998 Class 1 Hazardous Soil	200,000				
USG Hydrant Relocation on Geary St.	58,143				
USG PCC 072 Rmval of Exstg Column	4,116				
USG PCC 080 Door Opngs in Shr Walls	59,812				
USG PCC 101 Elev. Machine Rooms	7,122				
USG PCC 106 Edge of Slab for 8" Con	39,891				
USG PCC 108 Con Wok chges du to DSC	288,022				
USG PCC 109 Rein Dtls for Struc Con	144,154				
USG PCC 112 Glass Walk Roof System	15,744				
USG PCC 113 Elv/Esc Pit Floor Slope	20,879				
USG PCC 116 Demo Column, Const Beam	42,188				
USG PCC 125 Foot,SOG & Str St Chang	53,274				
USG PCC 129 Escalator Work Point	360,528				
USG PCC 133 Sheet Metal HVAC Duct	47,102				
USG PCC 134 Temp South Wall Support	90,268				
USG PCC 142 Storage Light & Elect.	26,085				
USG PCC 143 Wall Conn, at GL 10/B	5,906				
USG PCC 154 Trench Drain at 17 Line	0				
USG PCC 157 Plaza Level Vent Shaft	10,873				
USG PCC 164 GL 14 Waterproofing	68,074				
USG PCC 165 Arch. Precast Support	90,705				
USG PCC 174 Fan Trench Strut Clar.	8,810				
USG PCC 175 Drainage Under Slab	0				
USG PCC 185 Wall at Line 10 and Hyd	11,060				

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	UMS	CTS	YBM	STS	COST REPORT NOTES
USG PCC 31 HVAC Trench Mod.	235,133				
YBM COR 1062 Elevator #3 Pit Change			52,312		
YBM COR 1146 Traction Power Neg.			48,935		
YBM COR 1151 Steel Pipe & Steel Bea			141,064		
YBM COR 1155 Live AT&T Cable			20,000		
YBM COR 1195 Stair #4 Sheet Pile In			51,883		
YBM COR 1281 T-7 Protection			4,428		
YBM COR 1322 Replace Missing SL Con			15,000		
YBM COR 1334 Added Reinforcing Type			26,898		
YBM COR 1337 Added Shear Key at Hea			7,501		
YBM COR 1348 Added Rebar Dowels int			6,501		
YBM COR 1349 DSC Confl w/(E) TS Box			4,001		
YBM COR 1359 RFI #2807 F4 Light Fix			57,479		
YBM COR 1373 (E) Unknown Red Concre			220,416		
YBM COR 1388 Roof Hatch Dimensions			3,902		
YBM COR 1413 Multiple Existing Util			229,122		
YBM COR 1425 Escalators 1 & 2 Stop			1,065,547		
YBM COR 1438 Provide Reinforcing in			3,898		
YBM COR 1457 Fire Hydrant Removal			1,546		
YBM COR 1458 (E) 24" Conflict w/SSFM			60,000		
YBM COR 1473 Stair #1 Added Drain			3,501		
YBM COR 1529 Changes to PG&E Power			15,000		
YBM COR 1537 Special Traffic Permit			0		
YBM COR 1540 Comm Conduit Conflict			15,001		
YBM COR 1578 Added Drain Rock aroun			101		
YBM COR 1586 Added HSS Tube Framing			22,138		
YBM COR 1595 Details for Crystalliz			0		
YBM COR 1596 Surface slab pour #1 C			3,000		
YBM COR 1603 Door Openings at stati			0		
YBM COR 1610 CDF backfill at surfac			28,802		
YBM COR 1628 Louvers & Vents SD			0		
YBM COR 1633 Clementina Subgrade Co			6,000		
YBM COR 1651 Add Beam @ Shaft Roof			0		
YBM COR 1667 Revised SS Kickback PI			0		
YBM COR 1670			15,000		

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	UMS	CTS	YBM	STS	COST REPORT NOTES
YBM COR 1680 Added Reinforcing			0		
YBM COR 1681 Stop Wk Notice Tractio			0		
YBM COR 1687 Confirm SCADA Output P			0		
YBM COR 1692 Fire Alarm Sys Permit			0		
YBM COR 1696 Lower Concourse Ceili			0		
YBM COR 390 Chip Mezzanine Headwall			60,005		
YBM COR 564 Concrete Encased PG&E			140,346		
YBM COR 691 Add Gurdrl to Str 5&6			45,001		
YBM COR 825 Tunnel Seg Steel Fibers			31,401		
YBM COR 939 Broken Water Dept. Line			54,572		
YBM COR 949 Escalator Raceways			(1)		
YBM COR 955 Form saver-Coupler Mods			305,906		
YBM COR 960 N & S Head WI Rbr Chng			64,027		
YBM PCC 130 HVAC VRV's			10,575		
YBM PCC 132R Raise Pit Floor Elev 4			39,349		
YBM PCC 140 Stair 3, Escalators 1&2			35,798		
YBM PCC 145 Stair 7/Escalators 3, 4			77,490		
YBM PCC 148 Elev.3, 4 Hoist Beam MP			27,110		
YBM PCC 159 PG&E Ductbank Changes			(10,001)		
YBM PCC 168 Swing Gates Attachment			178,172		
YBM PCC 171R1 Additional PTZ CCTV			14,093		
YBM PCC 187R4 Escala. 1-4 HVAC chang			50,000		
YBM PCC 202 YBM Mezz Light Fixtures			74,858		
YBM PCC 21 Delete Instrument & Monit			(50,195)		
YBM PCC 210 Elev 1&2 MRL to Hydraul			(10,899)		
YBM PCC 235R1 Granite Art Panel			86,501		
YBM PCC 260 Folsom St. AWSS Valve			10,879		
YBM PCC 268 Rstroom Fclty Wall Revs		3,147			
YBM PCC 287 Elevator Cab Handrail			60,347		
YBM PCC 290 Elimination of Intercar			(25,955)		
YBM PCC 310 Revisions to Platform E			17,653		
YBM PCC 312R SS Bent Plate, Terraz			200,000		
YBM PCC 320 Upsized Wires & Breaker			95,134		
YBM PCC 328 Platform lvl metal wall			251,885		
YBM PCC 341R1 Add Trench Drain MER			25,000		

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	UMS	CTS	YBM	STS	COST REPORT NOTES
YBM PCC 361 Station Agent Booth Det			175,447		
YBM PCC 362 Rev. to Platform Displa			5,000		
YBM PCC 366 Survey of Elevations of			7,000		
YBM PCC 369 Rev. to Wind Load Resi			50,000		
YBM PCC 37R1 SFAC Node Sculpture			79,000		
YBM PCC 393 Doors-Beam Conflict			15,000		
YBM PCC 402 Replace Surface Slab Te			8,770		
YBM PCC 41 Install #7 Box Clementin			(11,089)		
YBM PCC 420 Rerouting of HVAC Ducts			0		
YBM PCC 425 Aquafin Vapor Conrol Sy			0		
YBM PCC 427 Sound Attenuator Changes			0		
YBM PCC 430 Replace Cementitious TS			0		
YBM PCC 435 Sequencing of Mezz. bea			28,430		
YBM PCC 444 Smoke Partition Coffe			100,000		
YBM PCC 447 Added Curb @ Elev 3 & 4			46,982		
YBM PCC 79 Install 12in WM to Howar			254,106		
YBM PCC 82 Delete Scope Due to Hote			(39,025)		
YBM PCC 85R2 Ticketing Hall Changes			57,586		
YBM PCC 91 Concourse Deck Conflict			53,133		
YBM PCC 97 Change Concourse Opening			48,774		
YBM PCC 99 Art Glass Changes			6,880		
Proposed Contract Change (PCC)					
CTS PCC 119 Pltform Lvl Wall Art In		(10,001)			
CTS PCC 135 Esc 5/6 Addl Supp Locs		10,001			
CTS PCC 167 Drn for Glc Canopy on E		5,001			
CTS PCC 177 Add Esc 5 & 6 Supp		1,001			
CTS PCC 178 Add Beams and Embeds		1			
CTS PCC 179 Added Gromets		1			
CTS PCC 180 Extra WD Work for 12" L		1			
CTS PCC 204 Shrnk Ft Prnt Emer Shft		1,001			
CTS PCC 231 Continuous Metal Ring		8,000			
CTS PCC 365 Headhouse Beam 240 Rein		(1,000)			
CTS PCC 381 Relocation of TP Boxes		0			
CTS PCC 389 Dust Monitor for Gordon		17,000			
CTS PCC 448 Booth Storage Cabinet		5,000			

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	UMS	CTS	YBM	STS	COST REPORT NOTES
CTS PCC 458 Upsize Main Breaker Tri		500			
STS PCC 095 Frame/Grate Change				(50,001)	
STS PCC 160 ATCS Change Reverse Run				75,000	
STS PCC 226 Axle Counter Boxes				41,602	
STS PCC 248 Restab Trac Pwr Ductban				20,000	
STS PCC 250 Add 2" TP Riser Conduits				20,000	
STS PCC 264 Track Drainage Mod				(15,000)	
STS PCC 266 Track Curb Type Mod				(1,001)	
STS PCC 276 Traffic Signal Changes				3,000	
STS PCC 280 Pavement Reno Delete				(240,764)	
STS PCC 288 Delete Video Display				(2,500)	
STS PCC 306 Adv Track Slab Excav				5,000	
STS PCC 308 Crossover Rail Bonding				6,000	
STS PCC 424 ATCS Conduits at CTS				5,000	
STS PCC 452 Invert Drain Pipe CTS				12,000	
UMS Locate PG&E Conduits	20,001				
UMS MRY Duct Bank-West	54,981				
UMS PCC 181 Plaza ADA Enhancements	16,383				
UMS PCC 193 Lightbox & Glazed Door	7,536				
UMS PCC 215 Rmv Conduits in Casing	15,000				
UMS PCC 216 Waterproofing Drainage	50,000				
UMS PCC 221 Slab Interaction	19,299				
UMS PCC 225 Add Two S.S. Enclosures	5,866				
UMS PCC 245 Ventilation Fan Buttons	(201)				
UMS PCC 253 Pltfrm Lvl Hdwl Wale Re	32,810				
UMS PCC 256 Rev.1 - Platform Art	(29,000)				
UMS PCC 272 PG&E Vaults on Ellis St	2,000				
UMS PCC 277 N Entrnc WD Tie-ins	20,000				
UMS PCC 281 Power Infrastructure	49,780				
UMS PCC 292 USG Mechanical Room	30,000				
UMS PCC 295 Geary Bulb Out	25,000				
UMS PCC 296 Water Meter on Ellis St.	(2,001)				
UMS PCC 299 South Concourse Opening	10,000				
UMS PCC 303 USG Ramp Island	10,000				
UMS PCC 317 Sidewalk on Geary St.	(20,001)				

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	\$839,676,400	\$857,744,790
Substantial Completion	6/30/2018	6/30/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
UMS PCC 318 Station Door Hardware	50,000				
UMS PCC 329 AWSS and Slurry Wall OFA	5,000				
UMS PCC 344 PG&E Streetlights	5,001				
UMS PCC 354 Signals at Geary	5,000				
UMS PCC 358 Obst. Impacting 12 AWSS	50,000				
UMS PCC 370 CMU Wall Deck	23,853				
UMS PCC 374 Deck at Platform Strut	40,001				
UMS PCC 385 WD Kill Holes at OFA	22,455				
UMS PCC 392 Water Services on Stktn	5,000				
UMS PCC 395 HVAC Electrical	10,001				
UMS PCC 398 Escalator Equip. Rooms	10,001				
UMS PCC 413 Traffic Signals	10,000				
UMS PCC 418 Paving Mobe and Demobe	2,884				
UMS PCC 423 WD Gate Valve	10,001				
UMS PCC 428 Bart Ceiling	(20,001)				
UMS PCC 429 (GEN) Traffic Cabinets	80,001				
UMS PCC 431 Deletion of Deck	(10,001)				
UMS PCC 434 GEN Swithgear Nameplate	2,000				
UMS PCC 449 EVS FCP Control Panels	2,000				
UMS PCC 94 Clean out MRY Ductbank	18,060				
USG PCC 111 Conc Cemo & Rev Con Dtl	10,001				
USG PCC 123 South Wall Ground Beams	4,001				
USG PCC 147 Geary Streetlight	25,000				
USG PCC 155 16-D Footing Demoltion	18,001				
USG PCC 156 CMU Footings	7,005				
USG PCC 158 Elev. Pit CDF Backfill	1,500				
USG PCC 199R-1 Delete Bm and Plntrs	(36,102)				
USG PCC 89 E. Light Pole Foundation	2,501				
YBM PCC 152R1 Elevator 1 & 2 changes			100,001		
YBM PCC 301 Remove directional door			(20,001)		
YBM PCC 302 Delete 4th Wall of CMU			15,000		
YBM PCC 305R1 Signage Revisions			1,000		
YBM PCC 322 Fill Gap at Panel P-60			10,000		
YBM PCC 368 Revision to 36" SSFM POC			35,000		
YBM PCC 384 Add Concrete Cap Beams			10,000		

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	\$839,676,400	\$857,744,790
Substantial Completion	6/30/2018	6/30/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
YBM PCC 446 Pavement Reno Wknd Work			12,000		
YBM PCC 450 Install Infill Slab			0		
YBM PCC 455 Upsized UPS Feeder and			20,000		
YBM PCC 460 Restore Howard/Folsom			20,000		
YBM PCC 59 Pavers Basis of Design			7,516		
Approved	5,014,232	8,983,302	932,592	3,138,264	
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		
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				

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	\$839,676,400	\$857,744,790
Substantial Completion	6/30/2018	6/30/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
CMod #101 YBM COR 75 Slurry Wall			22,423		
CMod #11 UMS PCC 002	12,997				
CMod #12 STS Traffic Control				1,032,302	
CMod #13 CTS COR 006		57,707			
CMod #15 YBM COR 196			3,178		
CMod #16 UMS COR 184	8,261				
CMod #19 CTS COR 007, 026		2,274,225			
CMod #20 YBM PCC 047 and 45			364,562		
CMod #22 UMS PCC 045, 046	16,198				
CMod #23 UMS PCC 058	63,838				
CMod #3 CTS Work Safely Ard Power Po		25,956			
CMod #30 YBM Various CORs			334,165		
CMod #31 UMS COR 595	53,701				
CMod #32 YBM Various PCCs			92,934		
CMod #36 YBM Conflict with Waterline			14,484		
CMod #4 CTS-Force Account Change Or		130,000			
CMod #41 YBM Class 2 Conta. Material			40,250		
CMod #42 UMS Addl. Service Conduits	36,873				
CMod #43 UMS D85 Structural Pile	65,188				
CMod #44 UMS Grade 50 Steel	572,884				
CMod #46 YBM/CTS/UMS S.walk Hatches			35,489		
CMod #47 UMS Roof Deck Schedule	76,124				
CMod #48 UMS Undgrnd. Storage Tanks	97,817				
CMod #5 YBM Deletion of Comp Groutin			(1,833,869)		
CMod #51 YBM Various CORs and PCCs			24,875		
CMod #52 YBM Undgrnd. Storage Tanks			167,393		
CMod #54 UMS USG Underpinning	732,157				
CMod #55 YBM Archeological Discovery			102,734		
CMod #56 YBM Contaminated Material			106,923		
CMod #57 STS Crossover Materials				21,245	
CMod #58 STS DSC CORs				90,081	
CMod #59 CTS DSC CORs		66,592			
CMod #6 CTS Plaza Constr Supt Servi		75,000			
CMod #60 UMS USG Two Fuel Tanks	61,312				
CMod #61 YBM Various CORs			207,181		

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	\$839,676,400	\$857,744,790
Substantial Completion	6/30/2018	6/30/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
CMod #62 UMS Wales and Waterproofing	277,714				
CMod #63 CTS DSC CORs		38,025			
CMod #64 STS DSC CORs and SFWD				52,570	
CMod #65 UMS Various CORs and PCCs	10,320				
CMod #66 STS Sewer Notching				66,949	
CMod #67 UMS Solar/Low-e Coating	23,290				
CMod #68 STS Various CORs				59,555	
CMod #69 UMS Various CORs	49,682				
CMod #70 YBM Various CORs			178,079		
CMod #71 UMS Haz and Asbestos Abate	81,907				
CMod #72 YBM COR 249. 566			74,694		
CMod #74 UMS PCC 39 12" Wtrln Reloc	336,236				
CMod #75 UMS COR 060 New 8" Wtr Line	58,672				
Cmod #76 YBM COR 806 Gardril credits			(9,611)		
CMod #77 STS Various Changes				56,629	
CMod #78 STS Various DSC CORs				191,175	
CMod #79 STS PCC 014 Traffic Signal				242,427	
CMod #80 STS Add'l Work to DSCs CORs				111,701	
CMod #87 CTS Var Slurry Wall Changes		3,596,000			
CMod #88 STS Various COR Misc Work				38,346	
CMod #89 YBM CORs 390,485 & 848			85,095		
CMod #9 YBM COR 10,15,16,18,20,25			126,663		
CMod #90 CTS DRB Reimbursement		1,296,364			
CMod #91 YBM PCC 069			84,537		
CMod #92 CTS PCC 233 & 26		1,126,478			
Cmod #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#7 STS FACOs 016, 017 & COR 009				80,170	
CMod#8 STS PCC 006 ATT MH, PB&Trench				225,208	

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	\$839,676,400	\$857,744,790
Substantial Completion	6/30/2018	6/30/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
STS CMod 045 PCC 008 Tunnel Lowering				107,285	
Grand Total	12,566,796	12,227,144	6,626,794	4,789,415	

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

Report Period: January 2019

		December 2018			January 2019				
Group by Contract & SCC	CATEGORY ITEM	December 2018 Base	December 2018 Allocated Contingency	December 2018 Base + Allocated Contingency (YOE)	January 2019 Base	January 2019 Allocated Contingency	January 2019 Base + Allocated Contingency (YOE)	BUDGET TRANSFERS [January 2019] vs. [December 2018]	Cost Report Notes
10-50	CONSTRUCTION CONTRACT PACKAGES	1,160,584,507	25,941,936	1,186,526,442	1,163,434,833	23,091,610	1,186,526,442	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	854,894,464	24,781,936	879,676,400	857,744,790	21,931,610	879,676,400	0	33
1253: UMS	UNION SQUARE/MARKET STREET STATION [UMS]	296,779,032	17,251,558	314,030,590	299,044,822	14,985,768	314,030,590	0	
	UMS 1253 Form B Credit	(528,370)		(528,370)	(528,370)		(528,370)	0	
1254: CTS	CHINA TOWN STATION [CTS]	256,551,112	1,016,698	257,567,810	256,551,112	1,016,698	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]	158,836,056	4,252,945	163,089,001	159,021,592	4,067,409	163,089,001	0	
	YBM 1255 Form B Credit	(100,000)		(100,000)	(100,000)		(100,000)	0	
1256: STS	SURFACE TRACKWORK & SYSTEMS [STS]	142,728,264	2,260,735	144,988,999	143,127,264	1,861,735	144,988,999	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	54,452,437	1,160,000	55,612,437	54,452,437	1,160,000	55,612,437	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	TEMPORARY LICENSE AGREEMENT (ATCS CENTRAL CONTROL)	487,972		487,972	487,972		487,972	0	
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 2019

		December 2018			January 2019				
Group by Contract & SCC	CATEGORY ITEM	December 2018 Base	December 2018 Allocated Contingency	December 2018 Base + Allocated Contingency (YOE)	January 2019 Base	January 2019 Allocated Contingency	January 2019 Base + Allocated Contingency (YOE)	BUDGET TRANSFERS [January 2019] vs. [December 2018]	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	34a
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	
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
70.07	SPARE PARTS								
80	PROFESSIONAL SERVICES	312,781,539	18,221,079	331,002,618	312,781,539	18,221,079	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	89,012,545	13,905,845	102,918,390	89,012,545	13,905,845	102,918,390	0	

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

Report Period: January 2019

		December 2018			January 2019				
Group by Contract & SCC	CATEGORY ITEM	December 2018 Base	December 2018 Allocated Contingency	December 2018 Base + Allocated Contingency (YOE)	January 2019 Base	January 2019 Allocated Contingency	January 2019 Base + Allocated Contingency (YOE)	BUDGET TRANSFERS [January 2019] vs. [December 2018]	Cost Report Notes
80.04	CONSTRUCTION ADMINISTRATION & MANAGEMENT	93,360,379	2,956,812	96,317,191	93,360,379	2,956,812	96,317,191	0	
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	1,522,412,367	44,163,015	1,566,575,382	1,525,262,693	41,312,689	1,566,575,382		37
90	UNALLOCATED CONTINGENCIES			11,724,622			11,724,622		38
	TOTAL PROJECT COST 10 TO 100			1,578,300,003			1,578,300,003		
	TOTAL CONTINGENCY			55,887,636			53,037,310		
	CONTINGENCY MINIMUM			25,000,000			25,000,000		
	BELOW OR ABOVE MINIMUM			30,887,636			28,037,310		

COST STATUS BY CATEGORY	SCC CODES	Sum of Supplemental 2013 Budget	BUDGET December 2018	BUDGET TRANSFERS	BUDGET January 2019	Sum of Dec 2018 CTD	Remaining Budget (Column H-Column I)	January 2019 EAC	January 2019 Contingency	Cost Report Notes
		A	B	C	D	E	F	G	H	
GUIDEWAY & TRACK ELEMENTS	SCC 010	282,227,872	284,261,448	0	284,261,448	271,518,035	12,743,414	284,604,010	0	39
STATIONS, STOPS, TERMINALS, INTERMODAL	SCC 020	573,099,645	580,767,971	(245,325)	580,522,646	446,637,770	133,884,876	562,441,922	21,931,610	39
SITework & SPECIAL CONDITIONS	SCC 040	235,514,097	225,912,770	197,176	226,109,946	221,256,146	4,853,800	237,293,066	1,160,000	39
SYSTEMS	SCC 050	90,774,397	95,584,254	48,149	95,632,403	38,073,587	57,558,816	97,237,592		39
ROW, LAND, EXISTING IMPROVEMENTS	SCC 060	37,511,799	32,246,321	0	32,246,321	30,648,969	1,597,352	32,246,321		
VEHICLES	SCC 070	26,385,653	16,800,000	0	16,800,000	11,929,247	4,870,753	16,800,000	0	
PRELIM ENGINEERING	SCC 080.01	46,202,673	46,202,674	0	46,202,674	46,202,675	(1)	46,202,674		
FINAL DESIGN	SCC 080.02	61,137,604	61,318,331	0	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	0	199,235,580	164,927,813	34,307,767	182,372,923	16,862,657	39
OTHER PROF SRVCS	SCC 080.05 - 080.08	24,416,118	24,246,033	0	24,246,033	12,617,258	11,628,775	22,887,611	1,358,422	
UNALLOC CONTINGENCY	SCC 090	3,883,480	11,724,619	0	11,724,619		11,724,619		11,724,622	39
Grand Total		1,578,300,000	1,578,300,001	(0)	1,578,300,001	1,305,010,806	273,289,195	1,543,404,451	53,037,310	

SCC DESCRIPTION	January 2019 BUDGET	January 2019 CTD
010 - GUIDEWAY & TRACK ELEMENTS	284,261,448	271,518,035
020 - STATIONS, STOPS, TERMINALS, INTERMODAL	580,522,646	446,637,770
040 - SITEWORK & SPECIAL CONDITIONS	226,109,946	221,256,146
050 - SYSTEMS	95,632,403	38,073,587
060 - ROW, LAND, EXISTING IMPROVEMENTS	32,246,321	30,648,969
070 - VEHICLES (number)	16,800,000	11,929,247
080 - PROFESSIONAL SERVICES (applies to Cats. 10-50)	331,002,618	284,947,053
090 - UNALLOCATED CONTINGENCY	11,724,619	
Grand Total	1,578,300,001	1,305,010,806

SCC DESCRIPTION	January 2019 BUDGET	January 2019 CTD
010.02-Guideway: At grade semi-exclusive (allows cross-traffic)	2,860,000	2,156,500
010.06-Guideway: Underground cut & cover	69,816,407	64,386,380
010.07-Guideway: Underground tunnel	200,374,315	195,148,668
010.09-Track: Direct fixation	6,761,089	5,949,046
010.12-Track: Special (switches, turnouts)	4,449,637	3,877,441
020.01-At-grade station, stop, shelter, mall, terminal, platform	7,602,857	3,331,041
020.02-Aerial station, stop, shelter, mall, terminal, platform	1,861,735	0
020.03-Underground station, stop, shelter, mall, terminal, platform	548,956,216	431,446,158
020.07-Elevators, escalators	22,101,837	11,860,571
040.01-Demolition, Clearing, Earthwork	12,754,615	12,495,015
040.02-Site Utilities, Utility Relocation	64,843,414	73,116,634
040.03-Haz. mat'l, contam'd soil removal/mitigation, ground water treatments	7,580,185	6,982,532
040.04-Environmental mitigation, e.g. wetlands, historic/archeologic, parks	1,122,899	1,002,298
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	3,836,803
040.07-Automobile, bus, van accessways including roads, parking lots	6,579,099	5,650,510
040.08-Temporary Facilities and other indirect costs during construction	120,732,308	115,465,923
050.01-Train control and signals	28,127,939	7,619,133
050.02-Traffic signals and crossing protection	12,804,956	11,876,744
050.03-Traction power supply: substations	21,465,073	13,721,037
050.04-Traction power distribution: catenary and third rail	12,441,113	2,108,093
050.05-Communications	12,078,735	2,256,307
050.06-Fare collection system and equipment	6,100,000	152,852
050.07-Central Control	2,614,586	339,421
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	102,918,390	74,575,356
080.04-Construction Administration & Management	96,317,191	90,352,457
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	5,399,391
080.07-Surveys, Testing, Investigation, Inspection	933,100	877,671
080.08-Start up	8,300,329	0
090.00-Unallocated Contingency	11,724,619	
Grand Total	1,578,300,001	1,305,010,806

[A] Cost Account Description	BUDGET		ACTUAL COSTS			[G] VARIANCE (B - F)	COST REPORT NOTES
	[B] January 2019 Budget (YOE)	[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	13,257,522	100,352	410,795	13,668,317	2,831,683	
1.3.011.01.080.03 - CM:SFMTA LABOR-PROJECT MANAGEMENT	16,500,000	13,257,522	100,352	410,795	13,668,317	2,831,683	
12 - SFMTA ENGINEERING SERVICES	2,923,582	2,643,692	5,909	22,380	2,666,072	257,510	
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	2,586,044	5,909	22,380	2,608,424	191,576	
13 - SFMTA CONSTRUCTION MANAGEMENT	37,432,035	18,536,619	172,198	648,320	19,184,939	18,247,095	
1.3.013.01.080.04 - CM:SFMTA LABOR-CONSTR. MANAGEM	37,432,035	18,536,619	172,198	648,320	19,184,939	18,247,095	
16 - DEPARTMENT OF PARKING AND TRAFFIC (DPT)	3,659,313	2,252,898	66,960	50,589	2,303,487	1,863,764	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT UMS	299,600	133,851	3,702	8,339	142,190	157,410	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT CTS	274,900	119,690	573	1,586	121,276	153,624	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT YBM	238,400	179,267	865	4,381	183,648	54,752	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT STS	876,876	264,441	307	712	265,153	611,723	
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)	

[A] Cost Account Description	BUDGET		ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
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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	161,753	0	0	161,753	(161,753)		
1.3.016.04.040.08 - PCOS:1300/CTS [68CPT544132X.CPT544132X]	0	0	0	0	0	0		
1.3.016.05.040.08 - PCOS:1300/YBM [68CPT544132Y.CPT544132Y]	0	65,565	61,512	35,572	101,137	(101,137)		
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	85,460	0	0	85,460	235,063		
1.3.018.04.040.02 - OPS:SUPPORT TO CONTRACT 1300/CTS	100,000	26,469	0	0	26,469	73,531		
1.3.018.06.080.07 - OPS:SUPPORT TO CONTRACT 1300 - UMS O/L	50,255	44,310	0	0	44,310	5,945		
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	944,829	0	0	944,829	55,171		
1.3.019.07.080.07 - OTH.MTA SFMTA-SURVEY; TSTG [6840]	1,800	714	0	0	714	1,086		
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 DUR1	848,200	817,966	0	0	817,966	30,234		
21 - ARTS COMMISSION	12,010,886	4,414,019	10,429	216,723	4,630,742	7,380,144		
1.3.021.01.040.06 - ARTS:CTYCO-ARTS COMMISSION CONSTRUCTION COSTS	4,772,555	0	0	0	0	4,772,555		
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [1227]	1,902,044	388,167	0	0	388,167	1,513,877	52	
1.3.021.01.080.04 - ARTS:CTYCO-ARTS COMMISSION [PWE335MPFUNA.CPT5441227]	21,000	12,465	0	0	12,465	8,535		
1.3.021.06.080.03 - ARTS:CTYCO-ARTS COMMISSION PM [285MC.132J]	653,244	769,531	7,734	5,372	774,903	(121,658)		
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [PWA335MPFUNA.CPT5441327]	8,512	10,149	0	0	10,149	(1,637)		
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [PWE335MPFUNA.CPT5441327]	4,439	4,439	0	0	4,439	0		
1.3.021.06.040.06 - ARTS:CTYCO-ARTS COMMISSION [68CPT5441327.CPT5441327]	1,500,000	1,393,660	0	0	1,393,660	106,340		
1.3.021.06.040.06 - ARTS:CTYCO-ARTS COMMISSION [285MCPFUNA.CPT5441327]	1,903,000	1,835,609	2,695	211,351	2,046,960	(143,960)		
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	1,864,039	0	0	1,864,039	307,742		
1.3.023.01.080.06 - ATTY:CN LEGAL-CITY ATTORNEY OF	2,171,781	1,864,039	0	0	1,864,039	307,742		
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	3,976,261	48,238	20,626	3,996,886	245,126		
1.3.028.02.040.02 - CM:CTYCO-PUBLIC UTIL COMM. (PUC)	0	4,745	0	0	4,745	(4,745)		
1.3.028.02.040.08 - PUC: FIELD OPERATIONS TUNNEL	398,400	509,867	0	0	509,867	(111,467)		
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	532,813	47,372	331	533,143	73,211		
1.3.028.03.080.04 - PUC:CMB CONTRACT 1300/UMS INSPECTION	230,000	34,508	0	0	34,508	195,492		

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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	442,580	866	20,295	462,875	(12,593)		
1.3.028.05.080.04 - PUC:CMB CONTRACT 1300/YBM INSPECTION	184,000	98,643	0	0	98,643	85,357		
1.3.028.06.040.02 - PUC:CMB CONTRACT 1300/SFWD AWSS MATERIAL	225,079	249,247	0	0	249,247	(24,168)		
1.3.028.07.040.02 - PUC:PUC CDD WATER CONNECTION CONTRACT 1250	248,035	291,501	0	0	291,501	(43,466)		
1.3.028.07.080.04 - PUC:PUC CMB INSPECTION CONTRACT 1250	74,468	113,844	0	0	113,844	(39,376)		
1.3.028.08.040.02 - PUC:PUC CDD WATER CONNECTION CONTRACT 1251 [445]	340,310	318,130	0	0	318,130	22,180		
1.3.028.08.080.04 - PUC:PUC CMB INSPECTION CONTRACT 1251	266,252	289,424	0	0	289,424	(23,172)		
1.3.028.09.040.02 - PUC:CMB CONTRACT 1300/STS SUPPORT	520,077	484,348	0	0	484,348	35,729		
1.3.028.09.080.04 - PUC:CMB CONTRACT 1300/STS INSPECTION	207,000	257,294	0	0	257,294	(50,294)		
32 - DPW - IDC ENGINEERING (HYDRAULIC)	1,150,459	528,720	290	0	528,720	687,011		
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	117,074	205	0	117,074	180,864		
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	52,022	84	0	52,022	249,860		
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	245,272	0	0	245,272	(65,272)		
34 - DPW - IDC CONSTRUCTION (CAPITAL)	6,703,969	6,345,071	0	0	6,345,071	358,898		
1.3.034.01.080.04 - DPW:BCM LABOR [2113]	2,140,142	2,140,142	0	0	2,140,142	0		
1.3.034.02.080.04 - DPW:CONSTR:1252 CM [CD12]	1,207,603	1,207,603	0	0	1,207,603	0		
1.3.034.02.080.04 - DPW:CONSTR:1252 CM [13AC12]	138,397	138,397	0	0	138,397	0		
1.3.034.06.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [132112]	506,858	506,858	0	0	506,858	0		
1.3.034.06.080.04 - DPW:CONSTR:1300 CM [13CP12]	2,710,969	2,352,071	0	0	2,352,071	358,898		
36 - DPW - BSM INFRASTRUCTURE (MAPPING)	465,562	158,741	0	0	158,741	306,821		
1.3.036.01.080.04 - DPW:MPPG:DPW-BUREAU OF ST USE	367,129	32,680	0	0	32,680	334,449		
1.3.036.02.080.04 - DPW:MPPG:1300-DPW-BUREAU OF ST USE [13CG12]	50,000	33,084	0	0	33,084	16,916		
1.3.036.02.080.06 - DPW:MPPG:DPW-BUREAU OF ST USE [13CF]	48,433	92,977	0	0	92,977	(44,544)		
37 - DPW - PCS MATERIAL TESTING LABORATORY	83,100	0	0	0	0	83,100		
1.3.037.01.080.07 - DPW.MTL.LABDPW-MATERIAL TESTIN	83,100	0	0	0	0	83,100		
39 - DPW - PCS SITE ASSESSMENT & REMEDIATION (SAR)	613,853	438,455	0	0	438,455	175,398		
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2213]	92,459	92,459	0	0	92,459	0		
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2250]	78,400	78,400	0	0	78,400	0		
1.3.039.01.080.04 -DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2257]	151,515	151,515	0	0	151,515	0		
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2313]	24,343	24,343	0	0	24,343	0		
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION	58,757	10,109	0	0	10,109	48,648		
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [CE13]	31,367	31,367	0	0	31,367	0		
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [CH13]	100,000	8,621	0	0	8,621	91,379		

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1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR)	17,000	0	0	0	0	17,000		
1.3.039.02.080.04 - DPW: SITE ASSESSMENT & REMEDIATION (SAR) – CN1252 [13CE11]	18,632	16,880	0	0	16,880	1,753		
1.3.039.02.080.04 - DPW: SITE ASSESSMENT & REMEDIATION (SAR) – CN1300 [13CH11]	41,379	24,761	0	0	24,761	16,618		
46 - MACY'S WEST - SFPUC SEWER WORK	258,202	258,202	0	0	258,202	0		
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	632,531	115	1,690	634,222	136,621		
1.3.051.01.080.03 - ODC.HWRD:ODCs - 821 HOWARD STR	696,753	601,405	115	0	601,405	95,348		
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	19,148	0	1,690	20,838	34,162		
1.3.051.06.080.04 - ODC.HWRD:W/MTA INST WTR SVC @ STS&YBM TRAILER	9,090	10,923	0	0	10,923	(1,833)		
55 - 651 BRANNAN	10,348	10,348	0	0	10,348	0		
1.3.055.01.080.03 - CM:ODCs - 651 BRANNAN STREET	10,348	10,348	0	0	10,348	0	59	
63 - CENTRAL SUBWAY PARTNERSHIP - AECOM-EPC JV CONTRACT 149	47,966,331	46,510,737	664,232	1,345,831	47,856,568	109,764		
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]	2,746,876	4,380,849	0	0	4,380,849	(1,633,973)		
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]	0	3,891,332	365,381	909,333	4,800,665	(4,800,665)		
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3i][PM]	1,400,000	972,833	91,345	227,333	1,200,166	199,834		
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]	542,110	1,219,093	0	0	1,219,093	(676,983)		
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9i]	1,000,000	801,797	207,506	209,165	1,010,961	(10,961)		
1.3.063.01.080.04 - FD:CM:EPC JV CS49-PM [123A]	489,930	5,579,945	0	0	5,579,945	(5,090,015)		
1.3.063.97.080.03 - AECOM.CS149 ALLOCAT CONTING	12,122,528					12,122,528		
64 - CN1300 JOB READINESS PROGRAM	1,060,000	866,895	0	0	866,895	193,105	61	
1.3.064.06.040.08 - CN1300 JOB READINESS PROGRAM	1,060,000	866,895	0	0	866,895	193,105		
67 - HILL INTERNATIONAL CONTRACT 156	11,000,000	2,877,316	145,095	0	2,877,316	8,122,684		
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.CPT5441340]	8,852,240	883,631	0	0	883,631	7,968,609		
1.3.067.01.080.03 - HILL INTERNATIONAL CS156 AWP 2017 [68CPT5441346.CPT5441346]	566,925	412,851	145,095	0	412,851	154,074		
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		

[A] Cost Account Description	BUDGET		ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
	[B] January 2019 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total			
71 - TUNNEL/UTILITIES - CONTRACT # CONTRACT 155-1	2,158,846	2,098,874	0	0	2,098,874	59,972		
1.3.071.01.080.04 - CM: CS155.1 DESIGN SUPPORT DURING CM [1232]	0	(87,201)	0	0	(87,201)	87,201	63	
1.3.071.02.080.04 - CM: CS155.1 DESIGN SUPPORT DURING CM [1332]	2,158,846	2,186,076	0	0	2,186,076	(27,230)		
72 - STATIONS - CONTRACT # CONTRACT 155-2	9,612,416	15,892,089	482,475	298,401	16,190,490	(6,578,074)		
1.3.072.01.080.04 - CM: CS155.2 DESIGN SUPPORT DURING CM [1233]	51,351	53,823	235	0	53,823	(2,472)	64	
1.3.072.01.080.04 - CM: CS155.2 DESIGN SUPPORT DURING CM [1333]	9,561,065	15,838,267	482,240	298,401	16,136,667	(6,575,602)		
73 - SYSTEMS/INTEGRATION - CONTRACT 155-3	4,828,269	4,024,152	119,266	62,127	4,086,279	741,990		
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	3,934,362	119,266	62,127	3,996,488	741,781		
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	-78,069	0	233,511,253	0		
83 - GUIDEWAY TUNNELS - CONTRACT # 1252 BASE	233,584,015	233,584,015	1,669,153	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	241,165	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	407,324	0	10,895,000	0		
1.3.083.02.040.03 - CONTRACT 1252:SITWORK:HAZMAT&MITIGAT	200,000	200,000	200,000	0	200,000	0		
1.3.083.02.040.04 - CONTRACT 1252:SITWORK:ENVIRON. MITIG	300,000	300,000	245,708	0	300,000	0		
1.3.083.02.040.06 - CONTRACT 1252:SITWORK:PED/BIKE ACCES	50,000	50,000	45,468	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	529,488	0	30,799,500	0		
83 - GUIDEWAY TUNNELS - CONTRACT # 1252 CMODs	(72,762)	(72,762)	(1,747,222)	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	139,861	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	100,000	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)	(1,987,082)	0	(4,488,326)	0		
1.3.083.93.010.07 - CONTRACT 1252: TUNNEL ALLOC CONTING	0	0	0	0	0	0	68	
CONTRACT 1300 - STATIONS, TRACKWORK AND SYSTEMS TOTAL	879,676,400	662,473,171	6,462,521	10,107,603	672,580,774	207,095,626	69	
84 - UNION SQUARE/MARKET STREET STATION (UMS) - WORK PACKAGE 1253	294,030,590	249,749,841	2,440,468	3,369,189	253,119,030	40,911,560	21	

[A] Cost Account Description	BUDGET		ACTUAL COSTS			[G] VARIANCE (B - F)	COST REPORT NOTES
	[B] January 2019 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total		
1.3.084.03.020.03 - UMS.1253: UNDERGROUD STATION	253,081,452	217,320,441	1,927,774	3,084,053	220,404,494	32,676,958	
1.3.084.03.020.07 - UMS.1253: ELEVATORS ESCALATOR	9,465,694	4,776,649	19,071	504,103	5,280,752	4,184,942	
1.3.084.03.040.01 - UMS.1253: DEMOLITION CLEARING	6,071,588	6,071,588	17,500	0	6,071,588	0	
1.3.084.03.040.02 - UMS.1253: SITE UTILITIES UTIL	4,360,395	3,894,543	33,000	19,445	3,913,988	446,407	
1.3.084.03.040.03 - UMS.1253: HAZARDOUS MATERIALS	550,000	550,000	0	(32,549)	517,451	32,549	
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	912,451	187,500	0	912,451	245,959	
1.3.084.03.040.08 - UMS.1253: TEMPORARY FACILITIES	11,139,701	10,521,482	183,984	(261,863)	10,259,619	880,082	
1.3.084.03.050.02 - UMS.1253: TRAFFIC SIGNALS AND	4,773,076	4,773,076	0	42,000	4,773,076	0	
1.3.084.03.050.03 - UMS.1253: TRACTION POWER SUPPL	1,815,534	473,407	57,500	14,000	487,407	1,328,127	
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	170,025	14,139	0	170,025	964,289	
84 - UNION SQUARE/MARKET STREET STATION (UMS) CMODs	5,014,232	2,661,314	20,584	2,211,302	4,872,616	141,616	
1.3.084.84.020.03 - CMOD:UMS.1253: UNDERGROUD STATION	1,832,330	37,456	1,559	1,771,584	1,809,040	23,290	
1.3.084.84.020.07 - CMOD:UMS.1253: ELEVATORS, ESCALATORS	490,000	90,000	0	400,000	490,000	0	
1.3.084.84.040.01 - CMOD:UMS.1253: DEMOLITION CLEARING	944,987	944,987	0	0	944,987	0	
1.3.084.84.040.02 - CMOD:UMS.1253: SITE UTILITIES UTIL	1,494,678	1,430,840	19,025	0	1,430,840	63,838	
1.3.084.84.040.03 - CMOD:UMS.1253: HAZARDOUS MATERIALS	127,964	81,907	0	46,057	127,964	0	
1.3.084.84.040.08 - CMOD:UMS.1253: TEMPORARY FACILITIES	76,124	76,124	0	0	76,124	0	
1.3.084.84.050.05 - CMOD:UMS.1253: COMMUNICATIONS	48,149	0	0	(6,339)	-6,339	54,488	
1.3.084.94.020.03 - UMS.1253: AC: ALLOC CONTING	14,985,768	0	0	0	0	14,985,768	41
85 - CHINATOWN STATION (CTS) - WORK PACKAGE 1254	247,567,810	188,467,517	2,255,223	2,371,124	190,838,640	56,729,170	
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	82,973,215	2,141,365	2,097,778	85,070,993	47,930,060	
1.3.085.04.020.07 - CTS.1254: ELEVATORS ESCALATOR	6,812,856	2,161,813	0	0	2,161,813	4,651,043	
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	4,933,586	0	15,000	4,948,586	1,053,132	
1.3.085.04.040.03 - CTS.1254: HAZARDOUS MATERIALS	350,000	347,500	0	0	347,500	2,500	
1.3.085.04.040.04 - CTS.1254: ENVIRONMENTAL MITIGA	325,665	206,064	0	0	206,064	119,601	
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	29,500	0	0	29,500	196,177	
1.3.085.04.040.08 - CTS.1254: TEMPORARY FACILITIES	16,571,322	16,325,272	10,000	40,810	16,366,082	205,240	
1.3.085.04.050.02 - CTS.1254: TRAFFIC SIGNALS AND	1,599,593	1,348,670	10,000	169,785	1,518,455	81,138	
1.3.085.04.050.03 - CTS.1254: TRACTION POWER SUPPL	4,063,927	2,894,743	0	47,750	2,942,493	1,121,434	
1.3.085.04.050.04 - CTS.1254: TRACTION POWER DISTRIBUTION	124,481	81,940	0	0	81,940	42,541	
1.3.085.04.050.05 - CTS.1254: COMMUNICATIONS	1,658,938	347,634	93,858	0	347,634	1,311,304	
85 - CHINATOWN STATION (CTS) CMODs	8,983,302	8,472,554	0	54,488	8,527,042	456,261	71
1.3.085.85.020.03 - CMOD:CTS.1254: UNDERGROUND STATION	1,201,478	1,126,478	0	54,488	1,180,966	20,512	
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	3,997,572	3,971,225	0	0	3,971,225	26,347	
1.3.085.85.040.03 - CMOD:CTS.1254: HAZARDOUS MATERIALS	2,274,225	2,274,223	0	0	2,274,223	3	
1.3.085.85.040.08 - CMOD:CTS.1254: TEMPORARY FACILITIES	1,354,071	952,416	0	0	952,416	401,655	
1.3.085.95.020.03 - CTS.1254: AC: ALLOC CONTING	1,016,698	0	0	0	0	1,016,698	72

[A] Cost Account Description	BUDGET		ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
	[B] January 2019 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total			
86 - YERBA BUENA MOSCONE STATION (YBM) - WORK PACKAGE 1255	158,089,000	132,875,616	1,138,207	400,486	133,276,102	24,812,898		
1.3.086.05.020.03 - YBM.1255: UNDERGROUND STATION	118,405,840	101,247,939	929,165	368,537	101,616,476	16,789,364		
1.3.086.05.020.07 - YBM.1255: ELEVATORS ESCALATOR	5,333,287	3,928,006	5,544	0	3,928,006	1,405,281		
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	7,154,151	10,000	0	7,154,151	9,127		
1.3.086.05.040.03 - YBM.1255: HAZARDOUS MATERIALS	2,629,439	2,109,839	0	0	2,109,839	519,600	73	
1.3.086.05.040.04 - YBM.1255: ENVIRONMENTAL MITIGA	100,000	100,000	0	0	100,000	0		
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	1,235,523	0	0	1,235,523	307,202		
1.3.086.05.040.08 - YBM.1255: TEMPORARY FACILITIES	15,564,753	13,170,458	191,898	31,949	13,202,407	2,362,346		
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	924,050	0	0	924,050	2,784,375		
1.3.086.05.050.05 - YBM.1255: COMMUNICATIONS	1,241,096	624,657	1,600	0	624,657	616,439		
86 - YERBA BUENA MOSCONE STATION (YBM) CMODs	932,592	296,103	40,931	185,536	481,639	450,953		
1.3.086.86.020.03 - CMOD:YBM.1255: UNDERGROUND STATION	(1,324,968)	(1,347,391)	0	22,423	(1,324,968)	0		
1.3.086.86.040.01 - CMOD:YBM.1255: DEMOLITION CLEARING	266,386	259,386	0	0	259,386	7,000	73	
1.3.086.86.040.02 - CMOD:YBM.1255: SITE UTILITIES UTIL	1,614,408	1,032,466	30,566	163,113	1,195,579	418,829		
1.3.086.86.040.03 - CMOD:YBM.1255: HAZARDOUS MATERIALS	150,828	150,828	0	0	150,828	0		
1.3.086.86.040.04 - CMOD:YBM.1255: ENVIRONMENTAL MITIGA	102,734	102,734	0	0	102,734	0		
1.3.086.86.040.06 - CMOD:YBM.1255: PEDESTRIAN/BIKE	35,489	10,365	10,365	0	10,365	25,124		
1.3.086.86.040.08 - CMOD:YBM.1255: TEMPORARY FACILITIES	87,715	87,715	0	0	87,715	0		
1.3.086.96.020.03 - YBM.1255: AC: ALLOC CONTING	4,067,409	0	0	0	0	4,067,409	74	
87 - SURFACE TRACKWORK AND SYSTEMS -WORK PACKAGE 1256	139,989,000	77,663,214	558,191	1,116,478	78,779,692	61,209,308		
1.3.087.09.010.02 - STS.1256: GUIDEWAY: AT-GRADE SEMI-EXCLUSIVE (ALLOWS CROSS	2,860,000	2,156,500	0	0	2,156,500	703,500		
1.3.087.09.010.06 - STS.1256: GUIDEWAY: UNDERGROUND CUT & CVR	9,257,731	3,760,204	75,000	67,500	3,827,704	5,430,027		
1.3.087.09.010.07 - STS.1256: GUIDEWAY: UNDERGROUN	16,723,552	10,957,905	194,465	540,000	11,497,905	5,225,647		
1.3.087.09.010.09 - STS.1256: TRACK DIRECT FIXATION	6,761,089	5,949,046	0	0	5,949,046	812,044		
1.3.087.09.010.12 - STS.1256: TRACK: SPECIAL	4,449,637	3,599,000	0	278,441	3,877,441	572,196		
1.3.087.09.020.01 - STS.1256: AT-GRADE STATION	7,602,857	3,299,466	41,936	31,575	3,331,041	4,271,816		
1.3.087.09.040.02 - STS.1256: SITE UTILITIES, UTILITY RELOCA	17,464,046	14,264,379	0	0	14,264,379	3,199,667		
1.3.087.09.040.03 - STS.1256: HAZARDOUS MATERIALS	200,000	157,000	0	0	157,000	43,000	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	1,908,424	1,500	29,250	1,937,674	179,251		
1.3.087.09.040.08 - STS.1256: TEMPORARY FACILITIES	13,896,832	11,896,754	234,126	46,600	11,943,354	1,953,477		
1.3.087.09.050.01 - STS.1256: TRAIN CONTROL AND SIGNALS	27,543,451	7,569,133	0	0	7,569,133	19,974,318		
1.3.087.09.050.02 - STS.1256: TRAFFIC SIGNALS AND	4,463,368	3,615,144	0	26,077	3,641,221	822,147		
1.3.087.09.050.03 - STS.1256: TRACTION POWER SUPPL	9,889,014	5,410,104	0	0	5,410,104	4,478,910		
1.3.087.09.050.04 - STS.1256: TRACTION POWER DISTRIBUTION	6,099,675	1,648,901	0	59,540	1,708,441	4,391,234		
1.3.087.09.050.05 - STS.1256: COMMUNICATIONS	7,996,237	1,082,833	11,164	37,495	1,120,328	6,875,909		
1.3.087.09.050.07 - STS.1256: CENTRAL CONTROL	2,614,586	339,421	0	0	339,421	2,275,165		
87 - SURFACE TRACKWORK AND SYSTEMS (STS) CMODs	3,138,264	2,287,013	8,917	399,000	2,686,013	452,251		
1.3.087.89.040.01 - CMOD:STS.1256: DEMOLITION, CLEARING, EARTHWORK	399,000	0	0	399,000	399,000	0		
1.3.087.89.040.02 - CMOD:STS.1256: SITE UTILITIES, UTILITY RELOCA	1,328,553	1,174,797	8,917	0	1,174,797	153,756		
1.3.087.89.040.03 - CMOD:STS.1256: HAZARDOUS MATERIALS	18,221	18,219	0	0	18,219	2		

[A] Cost Account Description	BUDGET		ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
	[B] January 2019 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total			
1.3.087.89.040.08 - CMOD:STS.1256: TEMPORARY FACILITIES	1,053,547	873,997	0	0	873,997	179,550		
1.3.087.89.050.01 - CMOD:STS.1256: TRAIN CONTROL	96,516	0	0	0	0	96,516		
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	1,861,735	0	0	0	0	1,861,735	75	
88 - STATIONS CONTRACT 1300	2,263,498	0	0	0	0	2,263,498		
1.3.088.06.080.04 - CN1300 CONSTRUCTION TRAILER [68CPT5441316.CPT5441316]	80,000	0	0	0	0	80,000		
1.3.088.06.080.04 - DT-CN1300 COMMUNICATIONS INSTALL [68CPT5441317.CPT5441317]	1,430,594	0	0	0	0	1,430,594		
1.3.088.06.080.04 - MTA Communications - Business Liaison to support CN1300 CON[68CPT5441319]	420,000	0	0	0	0	420,000		
1.3.088.06.080.04 - IT-CN1300 Installation [68CPT5441319.CPT5441319]	332,904	0	0	0	0	332,904		
141 - CONSTRUCTION ADMINISTRATION	2,956,812	0	0	0	0	2,956,812		
1.3.141.97.080.04 - CONSTR.ADMIN:ALLOC CONTING	2,956,812	0	0	0	0	2,956,812		
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	6,941,907	0	0	0	0	6,941,907		
1.3.144.97.080.08 - STRTA: AC STARTUP ALLOC CONTIN	1,358,422	0	0	0	0	1,358,422		
151 - TEMPORARY LICENSE AGREEMENT	17,000	0	0	0	0	17,000		
1.3.151.01.080.06 - TEMP.LICPORARY LICENSE AGREEME	17,000	0	0	0	0	17,000		
170 - COMMUNICATIONS CONNECTIONS	5,757,629	0	0	0	0	5,757,629		
1.3.170.01.050.04 - COMM.CONNN:COMMUNICATION CONN	5,757,629	0	0	0	0	5,757,629		
181 - AON RISK INSURANCE CS 163	25,119,436	25,119,206	6,321,074	0	25,119,206	230		
1.3.181.01.040.08 - AON.CS163 AON RISK INS.	25,094,436	25,094,206	6,321,074	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.CONSUM:FARE COLLECTION	5,400,000	152,852	0	0	152,852	5,247,148		
192 - THALES T&S CENTRAL CONTROL	487,972	50,000	0	0	50,000	437,972		
1.3.192.01.050.01 - THALES T&S ATCS	487,972	50,000	0	0	50,000	437,972		
202 - JOC2-022.0	63,938	0	0	0	0	63,938		
1.3.202.01.040.02 - JOC2-022:15&22 POTHOLING UTILI LGHT FNDS	63,938	0	0	0	0	63,938		
203 - JOC2-029.0	53,317	0	0	0	0	53,317		
1.3.203.07.040.02 - JOC0292-029: RELOCATE VAULTS-S	53,317	0	0	0	0	53,317		
302 - PG&E	1,988,173	3,956,983	0	0	3,956,983	(1,968,810)		
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	1,387,761	0	0	1,387,761	1,572,065		
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	526,063	55,000	0	526,063	425,293		
1.3.331.01.080.04 - CM:SFMTA LABOR-ENG SVCS-IRP/BART/SF	50,000	33,152	0	0	33,152	16,848		
1.3.331.01.080.06 - CM: BAY AREA RAPID TRANSIT (BART) [122A]	901,356	492,911	55,000	0	492,911	408,445		
333 - AMERICAN PUBLIC TRANSP. ASSOCIATION (APTA) CS-APTA	146,500	62,112	0	0	62,112	84,388		

[A] Cost Account Description	BUDGET		ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
	[B] January 2019 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total			
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	0	0	0	0	700,000		
1.3.334.01.050.06 - BART:BART FARE COLLECTION EQP	700,000	0	0	0	0	700,000		
401 - ECONOMIC AND WORKFORCE DEVELOPMENT (EWD)	17,600	17,600	0	0	17,600	0		
1.3.401.01.080.04 - EWD: MAYORS OFFICE ECON DEV	17,600	17,600	0	0	17,600	0		
402 - DEPARTMENT OF TECHNOLOGY	242,371	250,534	0	0	250,534	(8,163)		
1.3.402.07.050.04 - DT:1UTL:COMM. CONNECTIONS	166,756	179,179	0	0	179,179	(12,423)		
1.3.402.08.050.04 - DT:2UTL:COMM.CONNECTIONS	75,615	71,354	0	0	71,354	4,261		
404 - DEPARTMENT OF BUILDING INSPECTION (DBI)	1,204,081	1,204,081	0	0	1,204,081	0		
1.3.404.01.080.06 - DPT OF BUILDING INSPECTION	1,204,081	1,204,081	0	0	1,204,081	0		
491 - FORM B - REIMBURSEMENT	(12,227,954)	0	0	0	0	(12,227,954)		
1.3.491.02.040.02 - FORMB - CONTRACT 1252 UTILITY REIMBUR	(254,050)	0			0	(254,050)	76	
1.3.491.03.040.02 - FORMB - UMS:CONTRACT 1300 UTILITY REIMBURSEMENT	(528,370)	0			0	(528,370)	77	
1.3.491.04.040.02 - FORMB - CTS:CONTRACT 1300 UTILITY REIMBURSEMENT	(451,703)	0			0	(451,703)	78	
1.3.491.05.040.02 - FORMB - YBM:CONTRACT 1300 UTILITY REIMBURSEMENT	(100,000)	0			0	(100,000)	79	
1.3.491.06.040.02 - FORMB - CONTRACT 1300 UTILITY REIMBUR	0	0			0	0	80	
1.3.491.07.040.02 - FORMB - CONTRACT 1250 UTILITY REIMBUR	(2,275,419)	0			0	(2,275,419)	81	
1.3.491.08.040.02 - FORMB - CONTRACT 1251 UTILITY REIMBUR	(7,618,412)	0			0	(7,618,412)	82	
1.3.491.09.040.02 - FORMB - STS:CONTRACT 1300 UTILITY REIMBURSEMENT	(1,000,000)	0			0	(1,000,000)	83	
TOTAL CONSTRUCTION PHASE	1,356,016,914	1,088,860,398	14,576,084	13,185,084	1,102,045,482	252,201,667		
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		
90 - CONTINGENCY	53,037,310	0	0	0	0	53,037,310		
1.7.500.91.090.00 - UNALLOCATED CONTINGENCY	11,724,619					11,724,619	84	
TOTAL ALLOCATED CONTINGENCY	41,312,691					41,312,691		

[A] Cost Account Description	BUDGET	ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
	[B] January 2019 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total		
TOTAL PROJECT COST	1,578,300,000	1,291,825,722	14,576,084	13,185,084	1,305,010,806	271,519,428	

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

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.
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".
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 procure 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.

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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.
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 December 2018, initiated budget from program unallocated contingencies for AON Risk Insurance, refer to Note 20.

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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.
37	In October 2016 report, 1252 program contingency increased by \$319,658 due to execution of three contract modifications as credit offsets. In November 2016 report, took away \$75,000 funding from program's unallocated contingency and moved to CTS allocated contingency. In February 2017 report, initiated budget from program unallocated contingencies for CN1300 Job Readiness Program. CN1300 Job Readiness Program budget was part of CN1300 base value, a deduction contract modification will lower CN1300 contract value. Also released \$5,265,478 assigned real estate contingency to program unallocated contingency. In June 2017, initiated budget from Contract 1251's contract value (true final administrative close out cost) to program unallocated contingency, a deduction contract modification that lowered CN1251's contract value by \$125,501. In March 2018 report, 1252 program contingency increased by \$131,715 due to execution of two contract modifications as credit offsets. In July 2018, increased SCC category Professional Services in 80.04 Construction Management by \$2,263,498 by reducing program unallocated contingency.
38	In April 2015 report, program contingency decreased by \$500,000. In August 2015 report, release \$15M CN1252 Tunnel assigned contingency to program unallocated contingency. In March 2016 report, released \$155,468 from Contract 1252 Tunnel assigned contingency and \$75,000 from Contract 1300 Stations assigned contingency totaling \$230,956. In August 2016, released a total of \$20M unassigned contingency to assigned contingency; \$15M to CN1300 UMS station and \$5M to CTS station. In February 2017 report, initiated budget from program unallocated contingencies for CN1300 Job Readiness Program. CN1300 Job Readiness Program budget was part of CN1300 base value, a deduction contract modification will lower CN1300 contract value. Also released \$5,265,478 assigned real estate contingency to program unallocated contingency. In July 2017, increased program unallocated contingency by \$125,501 due to CN1251's revised contract value. In July 2018, reduced program unallocated contingency by \$2,263,498 to fund additional costs for SCC category Professional Services in 80.04 Construction 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.
7.7 Budget Expenditures by SCC Codes	
39	In March 2017, added new columns for "Supplemental 2013 Budget" and "Remaining Budget". In April, added new column for "Contingency". In May 2017, added new column for "Report Note". In May 2017, breakdown the combined SCC codes 10 to 50 into individual row for 10, 20, 40, 50 categories. Assigned SCC code to all CN1300 potential changes. Contract 1300 Station assigned contingency SCC are 20.01 and 20.03. The budget transfer is using assigned contingency to process contract modifications. In June 2017, adjusted and realigned SCC codes. In July 2018, the budget transfer is using SCC 90 program unallocated contingency to process an increase in budget for category SCC 80.03-90.04 PM For Design & Construction.

7.9 Detail Monthly Expenditure Report	
Phase 1 Preliminary Engineering	
40	In February 2017, line item budget was adjusted to line-up expenditures. Famis cost for Preliminary Engineering (PE) is \$48,210,903.71. Cost Report for Preliminary Engineering (PE) is \$46,542,060. Some Design cost reported in Famis were moved to Design Phase.
Phase 2 Design Phase	
41	Famis cost adjustment to transfer Project Management cost from July 2013 to Phase 3 Construction Phase.
42	Famis Phase 1 PE Index Code: 357906.CPT5441112 cost is \$10,222,939 \$8,949,300 is reported in Cost Report Phase 1 PE and the balance of \$1,273,639 is reported in Phase 2 Design.
43	1.2.021.01.080.03 - FD:CTYCO-ARTS COMMISSION [357909ART001.CPT5441227]: FAMIS: \$1,425,167 Cost Report: \$1,425,167 cost is reported in Phase 2 Design, 1.2.021.01.080.03 Cost Transfer: Remaining cost is reported in Phase 3 Construction, 1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [357909ART001.CPT5441227]
44	In December 2016 Report, Central Subway Project has re-activated CSA Audit Work Order to perform overhead audit for three consultant forms.
45	1.2.055.01.080.02 - FD:ODCs - 651 BRANNAN STREET [35CPT5441241.CPT5441241]: FAMIS: \$2,294,910 Cost Report: \$2,294,910 1.2.055.01.080.02 Cost Transfer: Future costs to be allocated to 1.3.055.01.080.02 - FD:ODCs - 651 BRANNAN STREET [35CPT5441241.CPT5441241]
46	1.2.063.01.080.03 - AECOM.CS149 OM-EPC JV CS149-PM [68CPT544133D.CPT544133D]: FAMIS: \$4,698,167 Cost Report: \$4,698,167 on 1.2.063.01.080.03 Cost Transfer: Future costs to 1.3.063.01.080.03 - AECOM.CS149 OM-EPC JV CS149-PM [68CPT544133D.CPT544133D]
47	AVA Cost \$395,204 is reported in Phase 2 Final Design 1.2.066.01.080.03
48	In January 2017 Report, remove variance amount of (\$920,555) that was incorrectly reported in August 2016.
49	1.2.071.01.080.02 - FD:FINAL DESIGN-DP1 [35CPT5441232.CPT5441232]: FAMIS: \$5,608,147 Cost Report: \$5,469,336 Cost Transfer: \$138,811 to 1.3.071.01.080.04 - FD:FINAL DESIGN-DP1 [35CPT5441232.CPT5441232]
50	1.2.072.01.080.02 - FD:FINAL DESIGN-DP2 [35CPT5441233.CPT5441233]: FAMIS: \$26,268,511 COST REPORT: \$26,220,609 COST TRANSFER: \$47,902 to 1.3.072.01.080.04 - FD:FINAL DESIGN-DP2 [35CPT5441233.CPT5441233]
51	1.2.073.01.080.02 - FD:FINAL DESIGN-DP3 [35CPT5441236.CPT5441236]: FAMIS: \$11,502,372 COST REPORT: \$11,432,312 COST TRANSFER: \$70,060 to 1.3.073.01.080.04 - CM: DP3 [35CPT5441236.CPT5441236]

Phase 3 Construction Phase	
52	1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [357909ART001.CPT5441227]: FAMIS: \$1,525,982 Cost Report: \$1,425,167 1.2.021.01.080.03 Cost Transfer: any future costs to 1.3.021.01.080.03
53	In January 2017 Report, revised SCC Code from 1.2.032.02.080.02 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112B112] to 1.3.032.06.080.04 to correct incorrect SCC assignment for DPW support to construction phase.
54	In January 2017 Report, revised SCC Code from 1.2.032.02.080.02 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112C112] to 1.3.032.06.080.04 to correct incorrect SCC assignment for DPW support to construction phase.
55	In January 2017 Report, revised SCC Code from 1.2.032.02.080.02 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112D112] to 1.3.032.06.080.04 to correct incorrect SCC assignment for DPW support to construction phase.
56	In January 2017 Report, revised SCC Code from 1.2.032.02.080.02 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112E112] to 1.3.032.06.080.04 to correct incorrect SCC assignment for DPW support to construction phase.
57	In January 2017 Report, revised SCC Code from 1.2.032.02.080.02 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112F112] to 1.3.032.06.080.04 to correct incorrect SCC assignment for DPW support to construction phase.
58	In January 2017 Report, revised SCC Code from 1.2.032.02.080.02 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112G112] to 1.3.032.06.080.04 to correct incorrect SCC assignment for DPW support to construction phase.
59	1.3.055.01.080.02 - FD:ODCs - 651 BRANNAN STREET [35CPT5441241.CPT5441241]: FAMIS: \$2,294,910 Cost Report: \$2,294,910 1.2.055.01.080.02 - FD:ODCs - 651 BRANNAN STREET [35CPT5441241.CPT5441241] Cost Transfer: Future costs to be allocated to 1.3.055.01.080.02
60	1.3.063.01.080.03 - AECOM.CS149 OM-EPC JV CS149-PM [68CPT544133D.CPT544133D]: FAMIS: \$4,698,167 Cost Report: \$4,698,167 on 1.2.063.01.080.03 Cost Transfer: Future costs to 1.3.063.01.080.03 - AECOM.CS149 OM-EPC JV CS149-PM [68CPT544133D.CPT544133D]
61	In February 2017, transferred \$1,060,000 from programs unallocated contingency to initiate CN1300 JOB READINESS contracts, (cost account code 1.3.064.06.040.08). A deductive Construction Modification to CN1300 will process.
62	Used \$500K program contingency for CS-175 Bayland Soil Process contract. Refer to Report Notes #20.
63	1.3.071.01.080.04 - FD:FINAL DESIGN-DP1 [35CPT5441232.CPT5441232]: FAMIS: \$5,608,147 Cost Report: \$5,469,336 Cost Transfer: \$138,811 to 1.3.071.01.080.04 - FD:FINAL DESIGN-DP1 [35CPT5441232.CPT5441232]

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64	1.3.072.01.080.04 - FD:FINAL DESIGN-DP2 [35CPT5441233.CPT5441233]: FAMIS: \$26,268,511 COST REPORT: \$26,220,609 COST TRANSFER: \$47,902 to 1.3.072.01.080.04 - FD:FINAL DESIGN-DP2 [35CPT5441233.CPT5441233]
65	Contract 1251 Final cost is \$20,794,582.
66	In March 2016, July 2016 and October 2016, contract 1252 modifications budget and actuals have been realigned and adjusted to reflect actuals costs.
67	In March 2016, July 2016 and October 2016, contract 1252 modifications budget and actuals have been realigned and adjusted to reflect actuals costs.
68	Revised Contract 1252 allocated contingency SCC code from 040.08 to 010.07.
69	In July 2015 Report, used Contract 1300 Contractor schedule to report budget and actual cost. The Standard Cost Categories (SCC) allocation changed from previous reports. In August 2015 Report, adjusted some of Contract 1300 Contractor SCC assignment to match most of previous SCC assignment. In March 2016, \$75,000 Cmod#6 subtracted from CN1300 Stations contingency (using CPT718 funding) and transferred to Program contingency; this lead to the total CN1300 Station budget being lowered.
70	Revised Contract 1300/UMS allocated contingency SCC code from 040.08 to 020.03.
71	In March 2016 Report, reduced Contract 1252 contingency by \$377,435 cost to reflect certification of five CMODS.
72	Revised Contract 1300/CTS allocated contingency SCC code from 040.08 to 020.03.
73	Negative Current or Prior Monthly expenditure is due to replenish allowance expenses by approved Contract Modifications.
74	Revised Contract 1300/YBM allocated contingency SCC code from 040.08 to 020.03.
75	Revised Contract 1300/STS allocated contingency SCC code from 040.08 to 020.01.
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.

Appendix B

DETAIL SCHEDULE REPORTS

SCHEDULE HIGHLIGHTS

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

The MPS shows a forecast Revenue Service Date of December 2019.

The controlling critical (longest) path of the MPS runs through the tunnel Concrete work, followed by Electrical activities, STS Startup & Testing, Commissioning and Pre-Revenue Activities to the Baseline Finish and Revenue Service Date. See Appendix B – Longest Path. The latest schedule shows the longest path running through the Chinatown Station (CTS). Contractor is required to implement a Recovery Schedule to put the Project back on schedule.

Schedule Contingency is fully utilized on the critical path of the MPS, which is below the Minimum Schedule Contingency level of 6 months. SFMTA continues to meet with Contractor to discuss all schedule concerns and comments. During this month, delays at CTS Headhouse Concourse level slab and shotcrete application at Platform Level impacted the project completion. This impact would have to be mitigated in the field by TPC increasing the number of crews assigned to electrical work, allowing concurrent work within the tunnel and stations. It also requires, after Substantial Completion is declared, that ATCS Startup and Testing with SFMTA Operations will be completed in 5 months. Based on these assumptions, Contract 1300 Schedule shows this month a forecasted Revenue Service date of 26 December 2019.

Contract 1300 Contractor submitted forty seven (47) Schedule Updates from December 2014 to December 2018. SFMTA rejected twenty seven (27) Schedule Updates from January 2016 to April 2016 and June 2016 to May 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 develop a Recovery Schedule as required by Contract to mitigate the current forecasted project delay. The 18 month “gap” of missing Schedule Updates at the beginning of the job has interfered with efficient resolution of Contractor’s assertions of Unavoidable Delay to the project-wide Substantial Completion date, which is additionally impacting the Contractor’s review of options for schedule recovery.

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 2019 schedule is used within the January Report. The SFMTA Contract 1300 January 2019 schedule is based on the approved baseline schedule logic with adjustments made as mentioned above. The SFMTA will continue to use the SFMTA Contract 1300 schedule update as a forecasting tool going forward until the Contract 1300 Contractor submits an acceptable schedule that addresses all of SFMTA scheduling concerns.

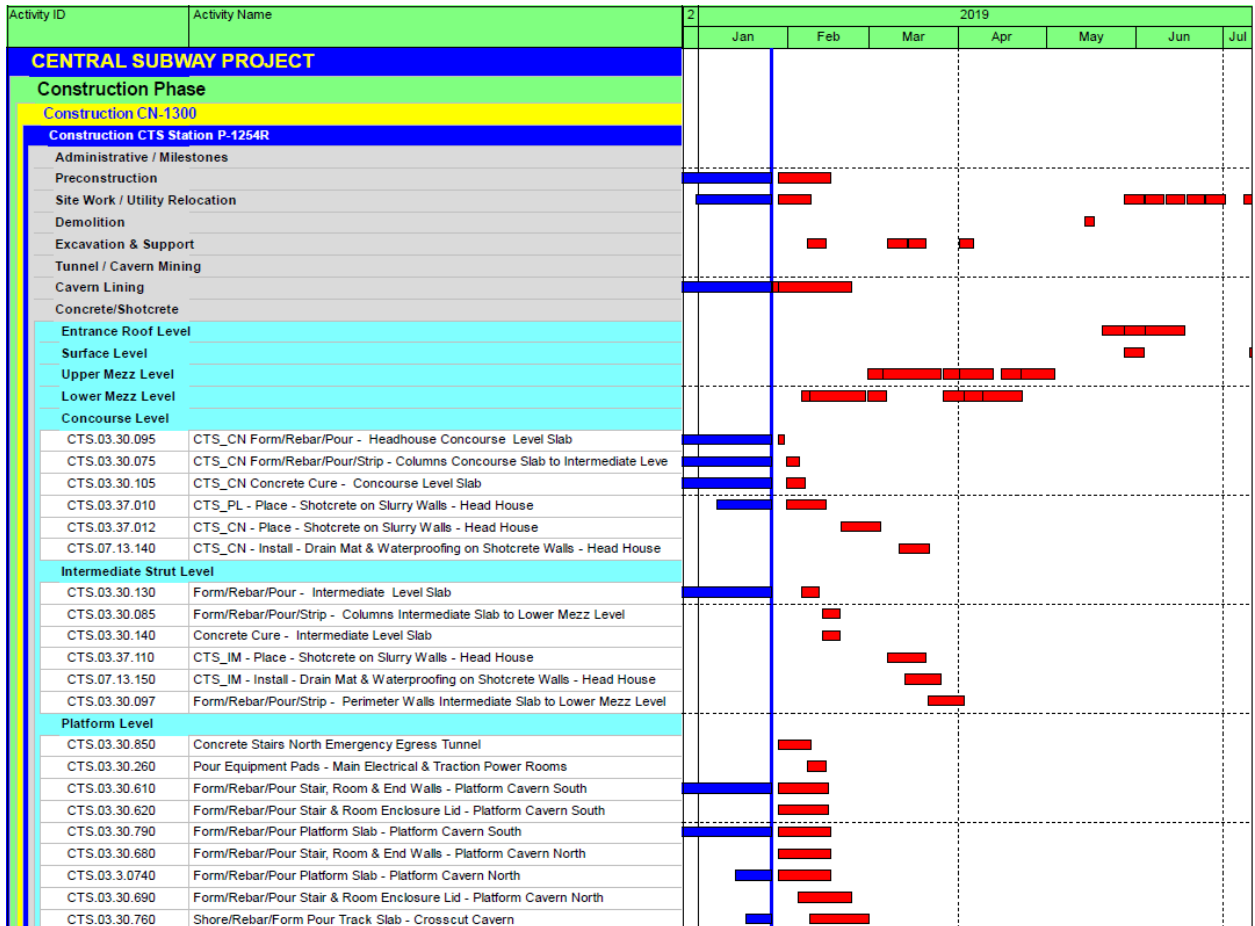
Work Package P-1254R (CTS) has performed the following work this month:

- Continue installing rail at Crossover Cavern and South Platform Cavern
- Completed construction of guideway stem walls at Platform Cavern
- Continued construction of vent shaft at South Platform Cavern
- Completed construction of track slab in Platform Cavern
- Completed construction of pony walls for pedestrian platform in Platform Cavern
- Began construction of pedestrian platform in Platform Cavern
- Began constructing columns at Crosscut Cavern
- Began constructing guideway slab at Crosscut Cavern
- Completed installing rebar and applying shotcrete for North Egress shaft
- Completed installing lattice girders and rebar for North Egress tunnel
- Continued removing temp level 5 struts and wales
- Began shotcrete for slurry walls, install drain mat and waterproofing for Platform and Under Platform levels at Headhouse
- Continued construction for PG&E electrical vaults and ductbank along West side of Stockton Street
- Prepared Stockton Street for Chinese New Year Holiday Moratorium
- Continued street work (minor), ongoing monitoring and surveying

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

- Complete waterproofing installation for South headwall
- Continue installing rebar and formwork for Crosscut Cavern headwall
- Begin installing rebar for Crosscut Cavern Arch final lining
- Complete shotcrete application for North Egress tunnel
- Begin constructing formwork and installing rebar for North Egress upper lid
- Complete constructing formwork and installing rebar for pedestrian platform in Platform Cavern
- Begin constructing Concourse Slab at Crosscut Cavern
- Complete installing electrical and plumbing for Concourse slab at Headhouse
- Complete concrete placement for Concourse slab at Headhouse
- Begin installing rebar, electrical, and plumbing for Intermediate slab at Headhouse
- Begin placing concrete for Intermediate slab at Headhouse
- Continue shotcrete for slurry walls, install drain mat and waterproofing for Platform and Under Platform level at Headhouse
- Begin shotcrete for slurry walls, install drain mat and waterproofing for Intermediate level at Headhouse
- Complete removing temp level 5 struts and wales
- Continue construction for electrical vaults and ductbank along West side of Stockton Street

- After Chinese New Year Holiday Moratorium mobilize onto Stockton Street for North Egress Shaft construction and PG&E ductbank construction

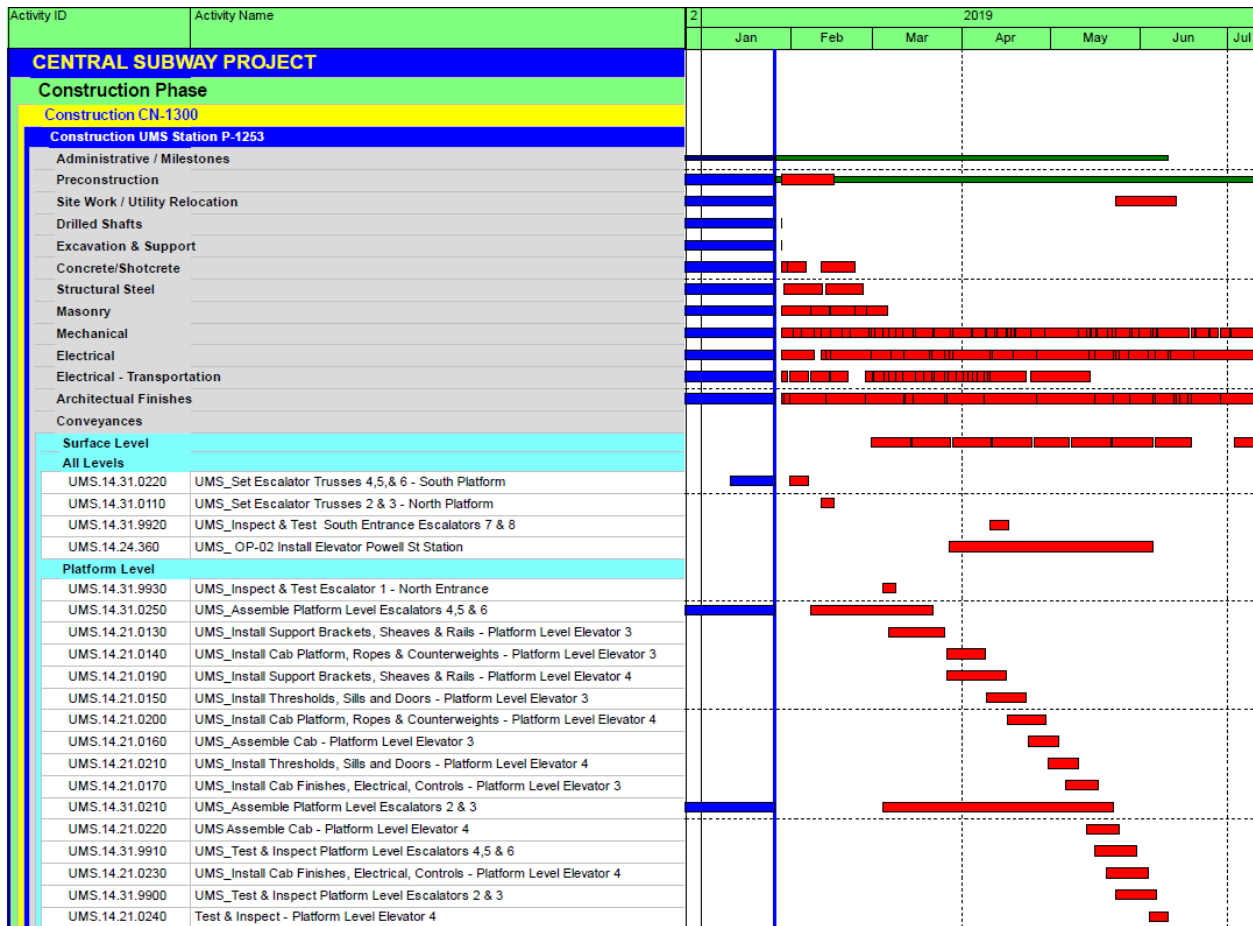


Work Package P-1253 (UMS) has performed the following work this month:

- Platform Station: Continued construction of stairs and elevators. Continued to install fire safing, fireproofing, and acoustic soundproofing. Installed corridor ductwork and fire smoke dampers. Installed mechanical dampers at Intermediate Strut Level
- North Concourse: Staged and set electrical switchgear equipment in Main Electrical Room. Installation of emergency fans on Fan Level
- Primed and painted CMU walls. Continued installation of CMU walls. Installed unistruts for ceiling panels. Continued installation of fire sprinklers and MEP
- Prepared to repair streets and sidewalks for the upcoming Chinese New Year Parade
- Prepared to reopen Stockton Street

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

- Platform Station: Continue construction of CMU Walls on Mezzanine and Intermediate Strut levels. Continue installation of Escalators #4, #5 and #6 and Stair#3. Continue installation of fire safing and application of fireproofing and soundproofing
- North Concourse: Complete construction of CMU walls on Fan level. Complete installation of fire sprinklers on Fan and Concourse level. Complete installation of fans on Intermediate Strut level. Complete setting and staging electrical switchgear equipment in Main Electrical Room. Install Sound Attenuators at Intermediate Strut level
- South Concourse: Demo existing terrazzo and construct new terrazzo for Stair #6
- Continue installation of CMU walls. Continue to install unistruts for ceiling panels. Continue to install fire sprinklers and MEP.
- Street: Complete and restore traffic signal and street lights. Repair streets and sidewalks to open Stockton Street and for the Chinese New Year Parade
- Reopen Stockton Street



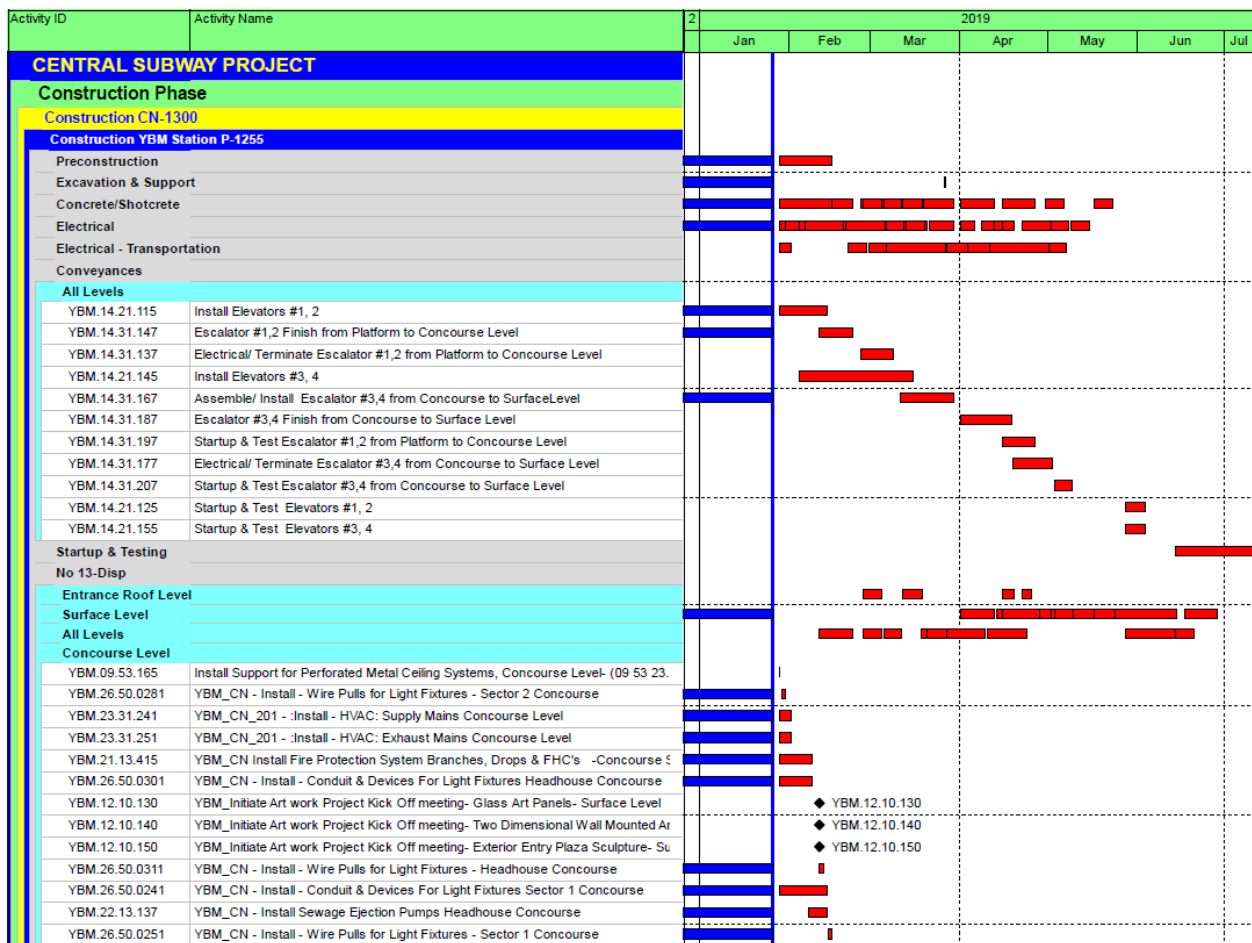
Work Package P-1255 (YBM) has performed the following work this month:

- Completed re-establishing utilities at 4th & Howard
- Began pavement renovation work at 4th and Howard
- Continued installing Stair 6
- Began installing Stair 5
- Continued installing Escalators 3 and 4
- Continued installing Headhouse Vent Shaft
- Continued F/R/P of Headhouse Mezzanine walls
- Continued installing fire sprinklers in Headhouse Mezzanine
- Continued electrical work in Headhouse Concourse
- Began installing luminous ceiling in Station Concourse
- Continued F/R/P of seismic joints (Station Platform)

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

- Begin pavement renovation work at 4th and Clementina
- Complete installing Stairs 5 and 6

- Continue installing Escalators 3 and 4
- Complete F/R/P of Headhouse Surface Slab 9.4 to 8.6 line
- Begin F/R/P of Elevator 3 and 4 walls at Headhouse Surface Level
- Continue F/R/P of walls of Headhouse Vent Shaft
- Continue F/R/P of Headhouse Mezzanine wall
- Begin installing ventilation equipment in Headhouse Mezzanine
- Begin installing ventilation equipment in Station Mezzanine
- Continue placing concrete block walls in Headhouse Concourse
- Continue installing luminous ceiling in Station Concourse
- Continue installing fireproofing at Station Platform
- Continue F/R/P of seismic joints (Station Platform)



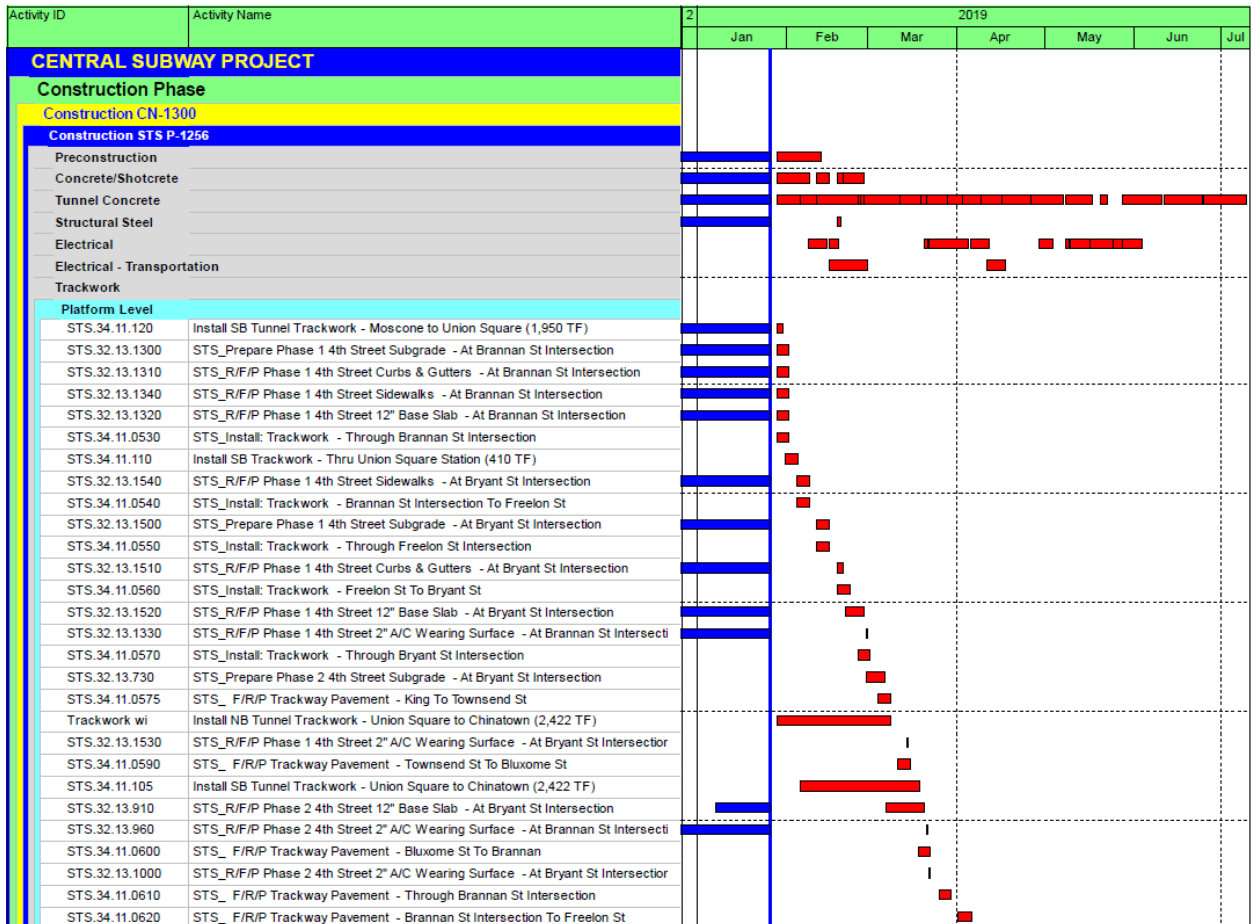
Work Package P-1256 (STS) has performed the following work this month:

- Continued traction power conduit and other electrical conduit installation inside tunnel
- Completed tunnel invert construction in NB and SB tunnels north of CTS
- Continued walkway installation inside tunnel

- Continued plinth construction in tunnel
- Continued double crossover special trackwork at CTS Crossover Cavern
- Started and completed welding of high strength rail

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 walkway installation inside tunnel
- Continue pavement renovation at 4th/Bryant
- Continue plinth construction in tunnel
- Continue double crossover special trackwork at CTS Crossover Cavern



SCHEDULE REVISIONS

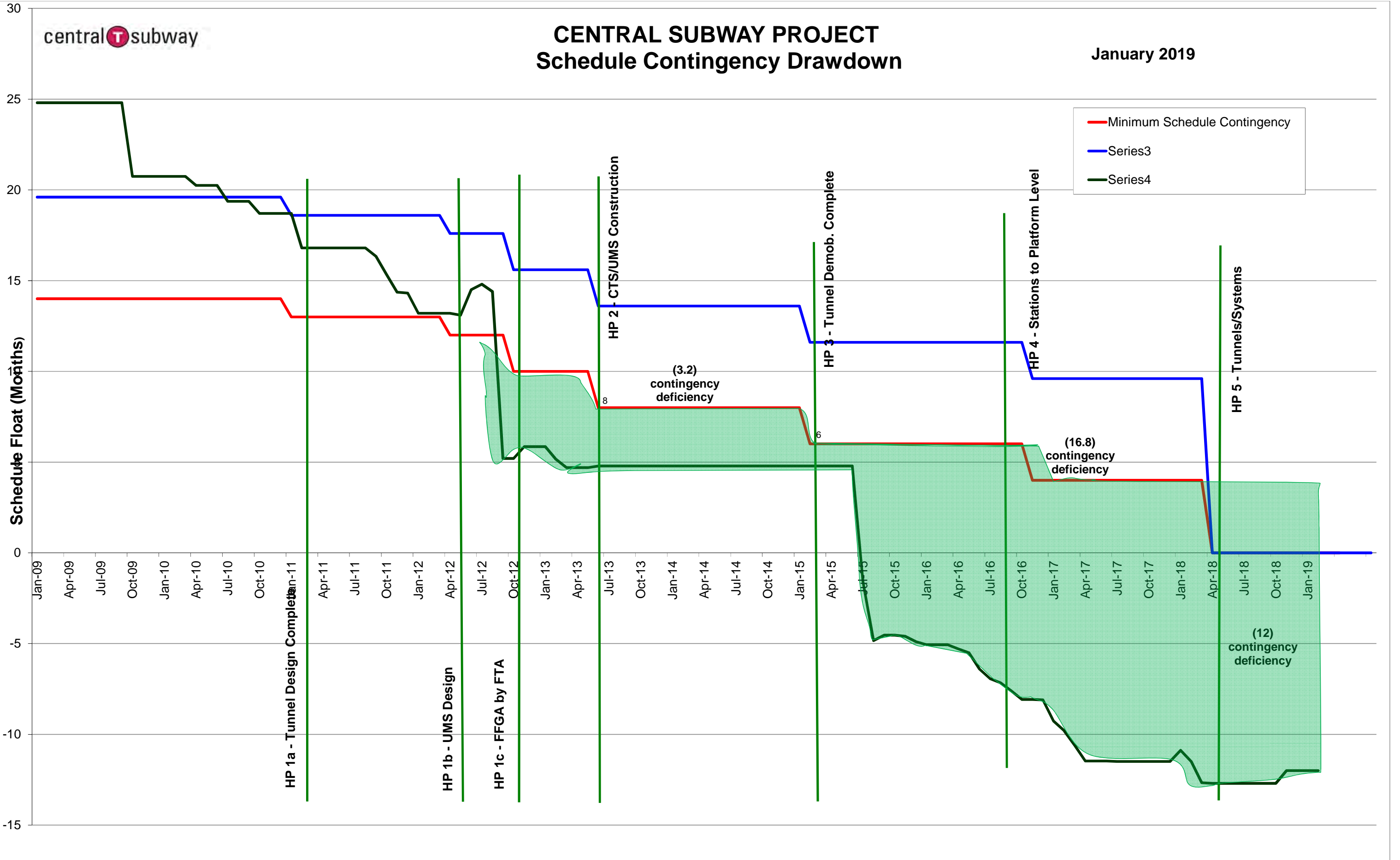
The SFMTA Contract 1300 January 2019 schedule update was added this period to the Central Subway Project Master Schedule.

LIST OF SCHEDULE REPORTS

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

CENTRAL SUBWAY PROJECT Schedule Contingency Drawdown

January 2019



Activity ID	Activity Name	Original Duration	Start	Finish	2019				2020			
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
CENTRAL SUBWAY PROJECT		4592	03-Jun-03 A	09-Jan-21								
Program Level Milestones		4377	03-Jun-03 A	26-Dec-19								
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		26-Dec-19*								
MS0009	CSP Revenue Service Date	0		26-Dec-19*								
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		2357	15-Apr-13 A	27-Sep-19								
Real Estate		3130	01-Aug-08 A	02-Jan-14 A								
Construction Phase		2873	04-Jan-10 A	09-Jan-21								
Construction Support and Costs		3289	04-Jan-10 A	09-Jan-21								
Construction Utility Contract #1- MOS & Portal CN-1250		505	04-Jan-10 A	23-May-11 A								
Construction Utility Contract #2 - UMS CN-1251		643	12-Jan-11 A	15-Oct-12 A								
Construction Tunnels CN-1252		1518	08-Jun-11 A	28-Jan-19								
Construction CN-1300		1704	03-Jun-13 A	12-Nov-19								
CN- 1300 Milestone		1670	17-Jun-13 A	12-Nov-19								
Construction UMS Station P-1253		1704	17-Jun-13 A	03-Oct-19								
Construction CTS Station P-1254R		1607	17-Jun-13 A	15-Aug-19								
Construction YBM Station P-1255		1651	10-Jun-13 A	15-Aug-19								
Construction STS P-1256		1664	03-Jun-13 A	04-Nov-19								
Project Start Up		134	14-Aug-19	26-Dec-19								
Unallocated Contingency		231	28-Jan-19	26-Dec-19								
CO1.700	Cost Activity Unallocated Contingency (LOE) - 1.7.500.99.090.00 - Contingency	231	28-Jan-19	26-Dec-19								

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2019				2020				2021				2022		
						Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Program Level Milestones																				
MS0019	Baseline Finish Date: 12-26-2018	0	26-Dec-19	26-Dec-19*	-251															
MS0009	CSP Revenue Service Date	0		26-Dec-19*	-251															
CN- 1300 Milestone																				
MS-10	Substantial Completion - 1,700 Calendar Days (SP-4.B) { 10-Feb-18 }	0	14-Aug-19	14-Aug-19*	-532															
Construction CTS Station P-1254R																				
CTS.22.14.545	CTS_PL 15 - Traction Power Rm: Install - Trench Drain	3	13-Aug-18 A	02-Apr-19	-371															
CTS.03.37.024	CTS_UP - Place - Shotcrete on Slurry Walls - Head House	10	28-Jan-19	08-Feb-19	-371															
CTS.07.13.260	CTS_UP - Install - Drain Mat & Waterproofing on Shotcrete Walls - Head House	10	11-Feb-19	22-Feb-19	-371															
CTS.03.30.165	Form/Rebar/Pour/Strip - Perimeter Walls - Invert Slab to Platform Level	10	25-Feb-19	08-Mar-19	-371															
CTS.03.30.175	Form/Rebar/Pour/Strip -Perimeter Walls Platform Slab to Concourse Level	10	11-Mar-19	22-Mar-19	-371															
CTS.04.22.016	CTS_PL - Build - CMU Partition Walls - Headhouse Platform Level	10	18-Mar-19	29-Mar-19	-371															
CTS.23.31.666	CTS_PL 18 - Main Elect Rm: Install - HVAC: Ductwork	9	25-Mar-19	04-Apr-19	-371															
CTS.09.69.117	CTS_PL 15 - Traction Power Rm: Install & Test - Epoxy Floor & Cove	5	03-Apr-19	09-Apr-19	-371															
CTS.26.11.140	CTS_PL 18 - Main Elect Rm: Install - Elect Substation & Switchboard DS1	10	05-Apr-19	18-Apr-19	-371															
CTS.26.11.125	CTS_PL 18 - Main Elect Rm: Install - Elect Substation & Switchboard DS2	10	05-Apr-19	18-Apr-19	-371															
CTS.34.21.119	CTS_PL 15 - Traction Power Rm: Set & Assemble - AC Switchgear	15	10-Apr-19	30-Apr-19	-371															
CTS.34.21.120	CTS_PL 15 - Traction Power Rm: Set & Assemble - DC Switchgear	15	10-Apr-19	30-Apr-19	-371															
CTS.26.11.135	CTS_PL 18 - Main Elect Rm: Install - Elect Substation & SWGR SG2	10	19-Apr-19	02-May-19	-371															
CTS.34.21.127	CTS_PL 15 - Traction Power Rm: Install - AC Control Cable Tray	5	24-Apr-19	30-Apr-19	-371															
CTS.34.21.243	CTS_PL 15 - Traction Power Rm: Pull & Terminate AC Control Cable	14	01-May-19	20-May-19	-371															
CTS.26.11.205	CTS_PL 18 - Main Elect Rm:Install Conduit Substations SG1 & SG2 To A/C TPSS	5	03-May-19	09-May-19	-371															
CTS.26.11.215	CTS_PL 18 - Main Elect Rm:Install Conduit Substations SG1 & SG2 To Chase @ Col 2.0 To Surface	5	03-May-19	09-May-19	-371															
CTS.26.11.195	CTS_PL 18 - Main Elect Rm:Install Conduit Substations SG1 & SG2 To Substation	6	03-May-19	10-May-19	-371															
CTS.26.11.235	CTS_PL 18 - Main Elect Rm:Pull & Terminate Power Cable Substations SG1 To Chase @ Col 2.0 To Surface	5	07-May-19	13-May-19	-371															
CTS.26.11.915	CTS_PL 18 - Main Elect Rm:Wire Pulls - Riser In Chase @ Col 2.0 To Surface	5	10-May-19	16-May-19	-371															
CTS.26.11.900	CTS_PL 18 - Main Elect Rm: Energize Main Substation SG1 & SG2	5	14-May-19	20-May-19	-371															
CTS.26.24.960	CTS_UP_02 - Equip Corridor- Terminations - 5kV Switchgear "SG-TV"	5	17-May-19	23-May-19	-371															
CTS.34.21.915	CTS_PL 18 - Main Elect Rm: Energize A/C TPSS Equipment	5	21-May-19	28-May-19	-371															
CTS.34.21.935	CTS_PL 18 - Main Elect Rm: Energize DC TPSS Equipment	5	21-May-19	28-May-19	-371															
CTS.26.24.990	CTS_UP_02 - Equip Corridor- Energize - 5kV Switchgear "SG-TV"	1	24-May-19	24-May-19	-371															
CTS.26.24.1000	CTS_UP_02 - Equip Corridor Energize MCC - Emergency Ventilation	1	28-May-19	28-May-19	-371															
CTS.23.88.1016	CTS_UP 04 - Emerg Fan Rm: Start-Up & Test Tunnel Ventilation Fans	3	28-May-19	30-May-19	-371															
Construction STS P-1256																				
STS.34.42.425	Startup & Testing - Tunnel & ATSC Systems	56	28-May-19	14-Aug-19	-371															
Project Start Up																				
STU1010	S&S Certification / Pre-Revenue Activities	91	14-Aug-19	26-Dec-19	-251															
BUF0018	Muni Float	0	26-Dec-19	26-Dec-19	-251															

Activity Name	Original Duration	Start	Finish	2012				2013				2014				2015				2016				2017				2018				2019			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
CENTRAL SUBWAY PROJECT	2232	08-Jun-11 A	12-Nov-19																																
Construction Phase	2232	08-Jun-11 A	12-Nov-19																																
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	1704	03-Jun-13 A	12-Nov-19																																
CN- 1300 Milestone	1670	17-Jun-13 A	12-Nov-19																																
Construction UMS Station P-1253	1704	17-Jun-13 A	03-Oct-19																																
Construction CTS Station P-1254R	1607	17-Jun-13 A	15-Aug-19																																
Construction YBM Station P-1255	1651	10-Jun-13 A	15-Aug-19																																
Construction STS P-1256	1664	03-Jun-13 A	04-Nov-19																																

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2019				2020				2021	
						Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
CENTRAL SUBWAY PROJECT															
Light Rail Vehicles															
Construction Phase															
Construction Support and Costs															
Construction CN-1300															
CN- 1300 Milestone															
No 13-Disp															
Construction UMS Station P-1253															
Preconstruction															
Engineering & Procurement															
Site Work / Utility Relocation															
Drilled Shafts															
Excavation & Support															
Concrete/Shotcrete															
Structural Steel															
Masonry															
Mechanical															
Surface Level															
All Levels															
Concourse Level															
UMS.23.34.0255	UMS_CN_Install HVAC Exhaust Fan EXF-002	5	19-Jun-18 A	27-Dec-18 A											
UMS.22.13.0140	UMS_Install Trench Drains SS Grates- North Concourse Level	2	18-Dec-17 A	29-Jan-19	-306										
UMS.22.11.0160	UMS_CN_Install Floor Hydrants Concourse Level	2	28-Jan-19	29-Jan-19	-279										
UMS.23.31.0175	UMS_CN_Install HVAC Supply Main SF-001 to Main Electrical RM	4	26-Dec-18 A	31-Jan-19	-345										
UMS.23.88.0100	UMS_ISL_Install Emergency Ventilation Fan Assembly TV-26/SA-26B/SA-26A	15	26-Jul-18 A	01-Feb-19	-354										
UMS.23.73.0315	UMS_CN_Install Air Cooled Condensing Unit #2	5	28-Jan-19	01-Feb-19	-345										
UMS.22.13.0120	UMS_CN07 - Connect Surface Drainage to Existing 8" Sewer Lateral.	5	06-Mar-17 A	05-Feb-19	-306										
UMS.23.31.0245	UMS_CN_Install HVAC Exhaust Main Exhaust Air Plenum To EXF-002	5	01-May-17 A	08-Feb-19	-339										
UMS.23.88.0110	UMS_ISL_Install Emergency Ventilation Fan Assembly TV-25/SA-25B/SA-25A	15	16-Aug-18 A	08-Feb-19	-354										
UMS.23.74.0535	UMS_CN_Install Fan Coil Unit #18	5	04-Feb-19	08-Feb-19	-292										
UMS.23.73.0325	UMS_CN_Install Air Cooled Condensing Unit #3	5	04-Feb-19	08-Feb-19	-345										
UMS.23.34.0275	UMS_CN_Install HVAC Aux Comm Rm Supply Fan SF-007	2	12-Feb-19	13-Feb-19	-302										
UMS.23.34.285	UMS_CN_Install HVAC Elec Closet Supply Fan SF-004	2	12-Feb-19	13-Feb-19	-294										
UMS.23.34.0295	UMS_CN_21 - Install HVAC Elec Closet Supply Fan SF-006	2	14-Feb-19	15-Feb-19	-294										
UMS.23.73.0335	UMS_CN_Install Air Cooled Condensing Unit #4	5	11-Feb-19	15-Feb-19	-345										
UMS.21.12.0255	UMS_CN_Install DSP &TSP Risers in Chase - Down To Mezz Lvl - Concourse Sector 4	5	12-Feb-19	18-Feb-19	-291										
UMS.23.74.0475	UMS_CN_Install Fan Coil Unit #12	5	12-Feb-19	18-Feb-19	-291										
UMS.21.12.0315	UMS_MZ_Install DSP &TSP Mains - Mezzanine Sector 4	4	14-Feb-19	19-Feb-19	-298										
UMS.23.34.0305	UMS_CN_Install HVAC Elec Closet Supply Fan SF-005	2	18-Feb-19	19-Feb-19	-294										
UMS.23.31.0185	UMS_CN_Install HVAC Exhaust Main EXF-001 to Main Electrical RM	3	26-Dec-18 A	19-Feb-19	-358										
UMS.21.12.0305	UMS_MZ_Install DSP &TSP Mains - Mezzanine Sector 3	5	14-Feb-19	20-Feb-19	-290										
UMS.23.31.0150	UMS_CN_Install HVAC - Misc Duct Concourse Level Sectors 3-6	5	15-Feb-19	21-Feb-19	-305										
UMS.23.31.0235	UMS_CN_Install HVAC Exhaust Main EXF-001 to Exhaust Air Plenum	4	19-Jun-18 A	21-Feb-19	-338										
UMS.23.31.0195	UMS_CN_04 -Install HVAC Supply Main - In Main Electrical RM	3	03-Jan-19 A	22-Feb-19	-358										
UMS.21.13.0315	UMS_CN_Install 4" & 6" Sprinkler Main Risers in Chase to Mezz Lvl - Concourse Section 4	5	19-Feb-19	25-Feb-19	-291										
UMS.23.74.0865	UMS_CN_Install Refrigerant Piping - FCU-#12 to Branch Selector Unit #12	5	19-Feb-19	25-Feb-19	-291										
UMS.23.31.0205	UMS_CN_Install HVAC Exhaust Main - In Main Electrical RM	3	17-Jan-19 A	27-Feb-19	-358										
UMS.23.34.0315	UMS_MZ_Install HVAC Elec Closet Supply Fan SF-003	2	27-Feb-19	28-Feb-19	-290										
UMS.23.88.0120	UMS_ISL_Install Emergency Ventilation Fan Assembly TV-24/SA-23b/SA-24A	15	20-Aug-18 A	01-Mar-19	-305										
UMS.08.90.0360	UMS_Install Louvers For Vent Shaft @ Stair #1	5	25-Feb-19	01-Mar-19	-327										

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2019				2020				2021			
						Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	
UMS.26.24.2090	UMS_PL 12 - Aux Elect Rm: Install - Panelboard UE4SHL (Tunnel Lights & Blue Lights)	2	20-Feb-19	21-Feb-19	-280												
UMS.26.24.1920	UMS_PL 12 - Aux Elect Rm: Install - Panelboard E4SP (FSD, DoorHardware/Access Control)	2	20-Feb-19	21-Feb-19	-313												
UMS.26.24.2100	UMS_PL 12 - Aux Elect Rm: Install Raceway - Panelboard 4SHL	3	17-Jul-17 A	22-Feb-19	-274												
UMS.26.24.2130	UMS_PL 12 - Aux Elect Rm: Install - Panelboard LCP-P2	2	22-Feb-19	25-Feb-19	-280												
UMS.26.24.1980	UMS_PL 12 - Aux Elect Rm: Install - Panelboard 4SP-7	2	22-Feb-19	25-Feb-19	-300												
UMS.26.24.2140	UMS_PL 12 - Aux Elect Rm: Install Raceway - Panelboard UE4SHL	3	17-Jul-17 A	26-Feb-19	-275												
UMS.26.24.2810	UMS_PL 04 - Aux Elect Rm: Install - Panelboard 4NP (Recpt PL001-5, Clean Agent, Esc Conv)	2	25-Feb-19	26-Feb-19	-320												
UMS.26.50.1115	UMS_PL - Install - Conduit & Devices For Light Fixtures Sector 3 Platform	10	05-Nov-18 A	27-Feb-19	-351												
UMS.26.24.2270	UMS_PL 12 - Aux Elect Rm: Terminations - Panelboard 4SHL	3	25-Feb-19	27-Feb-19	-274												
UMS.26.24.2150	UMS_PL 12 - Aux Elect Rm: Install Raceway - Panelboard LCP-P2	3	17-Jul-17 A	28-Feb-19	-280												
UMS.26.24.2000	UMS_PL 12 - Aux Elect Rm: Install Raceway - Panelboard E4SP	3	08-Jan-18 A	28-Feb-19	-313												
UMS.26.24.2870	UMS_PL 04 - Aux Elect Rm: Install - Panelboard E4NP (PDS Display, Door Hardware, FCU 13&15)	2	27-Feb-19	28-Feb-19	-320												
UMS.26.24.2200	UMS_PL 12 - Aux Elect Rm: Terminations - Panelboard UE4SHL	2	27-Feb-19	28-Feb-19	-275												
UMS.26.24.2830	UMS_PL 04 - Aux Elect Rm: Install - Panelboard UE4NHL (Tunnel Ltg & Blue Lights)	2	27-Feb-19	28-Feb-19	-287												
UMS.26.50.1145	UMS_PL - Install - Wire Pulls for Light Fixtures - Sector 3 Platform	2	28-Feb-19	01-Mar-19	-307												
UMS.26.12.0820	UMS_PL 04 - Aux Elect Rm: Install Feeder Conduit - Transformer T-11 T0 4NP	1	24-Jul-17 A	01-Mar-19	-340												
UMS.26.24.2840	UMS_PL 04 - Aux Elect Rm: Install Raceway - Panelboard 4NP To 4NP1 (PL01)	3	27-Feb-19	01-Mar-19	-315												
UMS.26.24.2860	UMS_PL 04 - Aux Elect Rm: Install - Panelboard 4NHL (Wall Wsh, Tunnel Powerpacks)	1	01-Mar-19	01-Mar-19	-287												
UMS.26.05.1176	UMS_PL 04 - Aux Elect Rm: Install - System Ground Bus	2	02-Jan-18 A	04-Mar-19	-313												
UMS.26.24.2020	UMS_PL 12 - Aux Elect Rm: Install Raceway - Panelboard 4SP-7	3	08-Jan-18 A	04-Mar-19	-300												
UMS.26.24.2880	UMS_PL 04 - Aux Elect Rm: Install Raceway - Panelboard UE4NHL	2	17-Jul-17 A	04-Mar-19	-280												
UMS.26.24.2180	UMS_PL 12 - Aux Elect Rm: Pull Data Wire - Panelboard LCP-P2 To Master Panel LCP-M (MZ11)	3	28-Feb-19	04-Mar-19	-280												
UMS.26.24.2240	UMS_PL 12 - Aux Elect Rm: Terminations - Panelboard E4SP	3	28-Feb-19	05-Mar-19	-298												
UMS.26.24.2920	UMS_PL 04 - Aux Elect Rm: Install Raceway - Panelboard E4NP	3	01-Mar-19	05-Mar-19	-317												
UMS.26.24.2820	UMS_PL 04 - Aux Elect Rm: Install - Panelboard FM200 / Pre-Action Systems	3	01-Mar-19	05-Mar-19	-320												
UMS.26.12.0730	UMS_PL 12 - Aux Elect Rm: Install - Transformer T-12 & Disconnect Switch -	2	04-Mar-19*	05-Mar-19	-340												
UMS.26.24.2890	UMS_PL 04 - Aux Elect Rm: Install - Panelboard LCP-P1	2	04-Mar-19	05-Mar-19	-287												
UMS.10.14.0290	UMS_PL Install Platform Level Signage	14	14-Feb-19	05-Mar-19	-297												
UMS.26.24.2900	UMS_PL 04 - Aux Elect Rm: Install Raceway - Panelboard 4NHL To Wall washing & Tunnel Power	3	17-Jul-17 A	06-Mar-19	-282												
UMS.26.12.0830	UMS_PL 12 - Aux Elect Rm: Install Feeder Conduit - Transformer T-12 To 4SP	1	24-Jul-17 A	06-Mar-19	-301												
UMS.34.42.0175	UMS_PL Install Train Control Equipment - TCS/TCU Room	15	14-Feb-19	06-Mar-19	-359												
UMS.26.12.0760	UMS_PL 12 - Aux Elect Rm: Terminations - Transformer T-12 & Disconnect Switch	1	06-Mar-19	06-Mar-19	-299												
UMS.26.24.2960	UMS_PL 04 - Aux Elect Rm: Terminations - Panelboard 4NP	3	04-Mar-19	06-Mar-19	-315												
UMS.26.24.4450	UMS_PL 12 - Aux Elect Rm: Terminations - Panelboard LCP-P2	3	05-Mar-19	07-Mar-19	-280												
UMS.26.12.830	UMS_PL 12 - Aux Elect Rm: Install Feeder Cable - Transformer T-12 To 4SP	1	07-Mar-19	07-Mar-19	-301												
UMS.34.05.0340	UMS_MZ_Install Conduit Riser PB-1 to NB Feeder Boxes PS01 (Traction Power)	5	01-Mar-19	07-Mar-19	-341												
UMS.26.24.2970	UMS_PL 04 - Aux Elect Rm: Terminations - Panelboard UE4NHL	3	05-Mar-19	07-Mar-19	-280												
UMS.26.24.2910	UMS_PL 04 - Aux Elect Rm: Install Raceway - Panelboard LCP-P1	3	17-Jul-17 A	08-Mar-19	-287												
UMS.26.24.2950	UMS_PL 04 - Aux Elect Rm: Terminations - Panelboard E4NP	3	06-Mar-19	08-Mar-19	-317												
UMS.26.24.2980	UMS_PL 04 - Aux Elect Rm: Install Raceway - Panelboard FM200 / Pre-Action Systems	3	06-Mar-19	08-Mar-19	-320												
UMS.26.12.840	UMS_PL 12 - Aux Elect Rm: Terminate Feeder Cable - Transformer T-12 To 4SP	1	08-Mar-19	08-Mar-19	-301												
UMS.26.24.2930	UMS_PL 04 - Aux Elect Rm: Terminations - Panelboard 4NHL	3	07-Mar-19	11-Mar-19	-282												
UMS.26.50.1125	UMS_PL - Install - Conduit & Devices For Light Fixtures Sector 4 Platform	9	12-Nov-18 A	12-Mar-19	-332												
UMS.26.24.2940	UMS_PL 04 - Aux Elect Rm: Pull Data Cable - Panelboard LCP-P1 To Master Panel LCP-M (MZ11)	3	11-Mar-19	13-Mar-19	-287												
UMS.26.24.2990	UMS_PL 04 - Aux Elect Rm: Terminations - Panelboard FM200 / Pre-Action Systems	3	11-Mar-19	13-Mar-19	-320												
UMS.26.24.4440	UMS_PL 04 - Aux Elect Rm: Terminations - Panelboard LCP-P1	3	14-Mar-19	18-Mar-19	-287												
UMS.28.16.0150	UMS_PL_Install: Security: Intrusion Systems Platform Level	14	10-Jul-17 A	19-Mar-19	-351												
UMS.26.50.1175	UMS_PL - Install - Wire Pulls for Light Fixtures - Sector 4 Platform	2	20-Mar-19	21-Mar-19	-337												
UMS.34.22.0450	UMS_PL_Terminate NB Cable Positive Feeder Box PS05	2	25-Mar-19	26-Mar-19	-343												
UMS.34.22.0470	UMS_PL_Terminate SB Cable - Positive Feeder Box PS02	2	26-Mar-19	27-Mar-19	-344												

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2019				2020				2021		
						Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
UMS.34.42.175	UMS_PL Install Train Control Raceway - TCS/TCU Room To Trackway Connection	15	06-Aug-18 A	27-Mar-19	-359											
UMS.34.22.0510	UMS_PL Terminate NB Cable - Positive Feeder Box PS01	2	27-Mar-19	28-Mar-19	-345											
UMS.34.22.0520	UMS_PL Terminate NB Cable - Positive Feeder Box PS04	2	03-Apr-19	04-Apr-19	-350											
UMS.26.50.1445	UMS_PL - Install - Conduit & Devices For Light Fixtures Sector 5 Platform	9	18-Jun-18 A	08-Apr-19	-337											
UMS.28.13.0150	UMS_PL Install: Security: Access Control System Platform Level	15	10-Jul-17 A	09-Apr-19	-297											
UMS.28.20.0090	UMS_PL Install:: Security: CCTV System Camera & Raceway Platform Level	15	10-Jul-17 A	09-Apr-19	-351											
UMS.34.22.0430	UMS_PL Terminate SB Cable - Positive Feeder Box PS03	2	08-Apr-19	09-Apr-19	-353											
UMS.26.50.1455	UMS_PL - Install - Wire Pulls for Light Fixtures - Sector 5 Platform	2	09-Apr-19	10-Apr-19	-337											
UMS.34.22.0490	UMS_PL Terminate SB Cable - Positive Feeder Box PS06	2	10-Apr-19	11-Apr-19	-355											
UMS.26.50.1185	UMS_PL - Hang Light Fixtures & Terminate Sector 4 Platform	15	22-Mar-19	11-Apr-19	-337											
UMS.27.51.0220	UMS_PL Install: Comm: Public Address System Platform Level	15	11-Jun-18 A	16-Apr-19	-331											
UMS.34.42.185	UMS_PL Install Train Control Cable - TCS/TCU Room To Trackway Connection	15	28-Mar-19	17-Apr-19	-359											
UMS.26.50.0200	UMS_PL - Platform Level: Install Light Fixtures On Top Of Platform Level Struts	7	17-Apr-19	25-Apr-19	-348											
UMS.28.20.5060	UMS_PL Security: Pull Wire & Terminate CCTV System Cameras Platform Level	15	10-Apr-19	30-Apr-19	-351											
UMS.26.50.1225	UMS_PL - Hang Light Fixtures & Terminate Sector 3 Platform	14	12-Apr-19	01-May-19	-337											
UMS.26.50.1465	UMS_PL - Hang Light Fixtures & Terminate Sector 5 Platform	15	11-Apr-19	01-May-19	-337											
UMS.34.42.195	UMS_PL Train Control Terminations - TCS/TCU Room To Trackway Connection	15	18-Apr-19	08-May-19	-359											
UMS.26.11.1400	UMS_PL 04 - Aux Elect Rm: Energize Power Panelboards	1	15-May-19	15-May-19	-364											
UMS.26.11.1390	UMS_PL 12 - Aux Elect Rm: Energize Power Panelboards	1	15-May-19	15-May-19	-348											
UMS.26.50.1475	UMS_PL - Platform Level: Install Light Fixtures On Bottom Platform Strut Level Wales	15	26-Apr-19	16-May-19	-348											
UMS.28.20.9955	UMS_PL Startup & Test: Security: CCTV System Platform Level	5	14-May-19	20-May-19	-351											
UMS.34.42.205	UMS_PL Train Control Room - Energize Panels	5	16-May-19	22-May-19	-364											
UMS.27.51.9890	UMS_PL Test: SSFD & Emerg Phone System - Platform Level	5	28-May-19	03-Jun-19	-360											
UMS.26.11.1430	UMS_PL 12 - Aux Elect Rm: Energize Lighting Panelboards	1	10-Jun-19	10-Jun-19	-345											
UMS.26.11.1440	UMS_PL 04 - Aux Elect Rm: Energize Lighting Panelboards	1	10-Jun-19	10-Jun-19	-345											
UMS.26.50.9920	UMS_PL Electrical - Test Lighting Systems & Lighting Control Systems Platform Level	10	11-Jun-19	24-Jun-19	-345											
UMS.28.31.0180	UMS_PL Install Security: Addressable Fire Alarm System Platform Level	15	04-Jun-18 A	10-Jul-19	-370											
UMS.27.51.9830	UMS_PL Startup & Test: Comm: Public Address System Platform Level	2	23-Jul-19	24-Jul-19	-356											
UMS.28.31.9630	UMS_PL Safety & Security - Testing - Fire Alarm System Platform Level	2	05-Aug-19	06-Aug-19	-365											
No 13-Level		13	07-Mar-19	25-Mar-19	-327											
Electrical - Transportation		147	29-Mar-18 A	14-May-19	-338											
Architectural Finishes		368	03-Jan-17 A	12-Aug-19	-378											
Conveyances		150	12-Nov-18 A	10-Jul-19	-346											
Stairs		135	06-Aug-18 A	11-Jul-19	-360											
Startup & Testing		40	10-Jun-19	05-Aug-19	-364											
No 13-Disp		1597	09-Jan-14 A	14-Aug-19	64											
Construction CTS Station P-1254R		1459	06-Sep-13 A	15-Aug-19	63											
Preconstruction		15	27-Aug-18 A	15-Feb-19	-245											
Site Work / Utility Relocation		1258	23-Feb-15 A	17-Jul-19	84											
Excavation & Support		42	07-Feb-19	05-Apr-19	-366											
Cavern Lining		153	02-Apr-18 A	22-Feb-19	-373											
Concrete/Shotcrete		235	21-Aug-18 A	16-Jul-19	-374											
Entrance Roof Level		20	20-May-19	17-Jun-19	-366											
Surface Level		35	28-May-19	16-Jul-19	-365											
Upper Mezz Level		47	28-Feb-19	03-May-19	-366											
Lower Mezz Level		55	05-Feb-19	22-Apr-19	-366											
Concourse Level		147	21-Aug-18 A	21-Mar-19	-367											
CTS.03.30.095	CTS_CN Form/Rebar/Pour - Headhouse Concourse Level Slab	15	21-Aug-18 A	30-Jan-19	-366											
CTS.03.30.075	CTS_CN Form/Rebar/Pour/Strip - Columns Concourse Slab to Intermediate Level (3 ea)	5	08-Oct-18 A	04-Feb-19	-366											
CTS.03.30.105	CTS_CN Concrete Cure - Concourse Level Slab	5	20-Sep-18 A	06-Feb-19	-360											
CTS.03.37.010	CTS_PL - Place - Shotcrete on Slurry Walls - Head House	10	07-Jan-19 A	13-Feb-19	-360											

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2019				2020				2021		
						Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
CTS.03.37.012	CTS_CN - Place - Shotcrete on Slurry Walls - Head House	10	19-Feb-19	04-Mar-19	-363											
CTS.07.13.140	CTS_CN - Install - Drain Mat & Waterproofing on Shotcrete Walls - Head House	9	11-Mar-19	21-Mar-19	-367											
Intermediate Strut Level		117	18-Oct-18 A	02-Apr-19	-362											
CTS.03.30.130	Form/Rebar/Pour - Intermediate Level Slab	10	18-Oct-18 A	11-Feb-19	-366											
CTS.03.30.085	Form/Rebar/Pour/Strip - Columns Intermediate Slab to Lower Mezz Level	5	12-Feb-19	18-Feb-19	-366											
CTS.03.30.140	Concrete Cure - Intermediate Level Slab	5	12-Feb-19	18-Feb-19	-363											
CTS.03.37.110	CTS_IM - Place - Shotcrete on Slurry Walls - Head House	10	07-Mar-19	20-Mar-19	-362											
CTS.07.13.150	CTS_IM - Install - Drain Mat & Waterproofing on Shotcrete Walls - Head House	9	13-Mar-19	25-Mar-19	-361											
CTS.03.30.097	Form/Rebar/Pour/Strip - Perimeter Walls Intermediate Slab to Lower Mezz Level	9	21-Mar-19	02-Apr-19	-362											
Platform Level		92	26-Nov-18 A	04-Apr-19	-367											
Under Platform Level		30	28-Jan-19	08-Mar-19	-383											
Structural Steel		141	06-Aug-18 A	17-Jun-19	-357											
Masonry		61	15-Feb-19	10-May-19	-370											
Mechanical		170	05-Mar-18 A	03-Jul-19	-350											
Misc Metal		111	15-Feb-19	23-Jul-19	-356											
Electrical		204	09-Apr-18 A	31-Jul-19	-370											
Entrance Roof Level		17	13-Jun-19	08-Jul-19	-352											
Surface Level		38	28-May-19	19-Jul-19	-353											
Upper Mezz Level		144	09-Apr-18 A	16-Jul-19	-365											
Lower Mezz Level		56	13-May-19	31-Jul-19	-366											
Concourse Level		116	08-Oct-18 A	27-Jun-19	-353											
CTS.26.50.538	CTS_CN 25 - Stair 5A: Install - Conduit & Devices for Lighting	5	15-Feb-19	21-Feb-19	-289											
CTS.26.50.636	CTS_CN 25 - Stair 5A: Pull Wire - Lighting	5	22-Feb-19	28-Feb-19	-289											
CTS.26.50.666	CTS_CN 25 - Stair 5A: Hang Fixtures & Terminate	5	01-Mar-19	07-Mar-19	-289											
CTS.28.20.442	CTS_CN 25 - Stair 5A: Set & Hook up - CCTV Cameras (2 each) - Sector 3	2	22-Mar-19	25-Mar-19	-301											
CTS.26.50.482	CTS_CN 15 - Storage Rm: Install - Conduit & Devices Lighting	2	01-Apr-19	02-Apr-19	-340											
CTS.26.50.484	CTS_CN 17 - Janitor Rm: Install - Conduit & Devices For Lighting	2	01-Apr-19	02-Apr-19	-310											
CTS.26.50.570	CTS_CN 01 - Install - Conduit & Devices for Ceiling Lighting	5	28-Mar-19	03-Apr-19	-340											
CTS.26.50.486	CTS_CN 21 - Mens Staff Lockers: Install - Conduit & Devices for Lighting	3	01-Apr-19	03-Apr-19	-321											
CTS.26.50.590	CTS_CN 17 - Janitor Rm: Pull Wire - Lighting	1	03-Apr-19	03-Apr-19	-310											
CTS.26.50.578	CTS_CN 15 - Storage Rm: Pull Wire - Lighting	2	03-Apr-19	04-Apr-19	-340											
CTS.26.05.630	CTS_CN 17 - Janitor Rm: Hang Fixtures & Terminate	1	04-Apr-19	04-Apr-19	-310											
CTS.26.50.584	CTS_CN 21 - Mens Staff Lockers: Pull Wire - Lighting	2	04-Apr-19	05-Apr-19	-321											
CTS.26.50.581	CTS_CN 01 - Wire Pulls for Ceiling Lighting	3	04-Apr-19	08-Apr-19	-340											
CTS.26.50.588	CTS_CN 15 - Storage Rm: Hang Light Fixtures & Terminate	2	05-Apr-19	08-Apr-19	-340											
CTS.26.50.592	CTS_CN 21 - Mens Staff Lockers: Hang Light Fixtures & Terminate	2	08-Apr-19	09-Apr-19	-321											
CTS.26.50.504	CTS_CN 20 - Womens Restroom: Install - Conduit & Devices for Lighting	5	04-Apr-19	10-Apr-19	-331											
CTS.26.50.582	CTS_CN 01 - Hang Fixtures & Terminate	5	09-Apr-19	15-Apr-19	-340											
CTS.26.50.512	CTS_CN 12 - Corridor: Install - Conduit & Devices - Lighting	1	22-Apr-19	22-Apr-19	-355											
CTS.28.20.452	CTS_CN 23 - Stair 5: Set & Hook up - CCTV Camera (1 each)	1	22-Apr-19	22-Apr-19	-321											
CTS.26.50.516	CTS_CN 24 - Valve Rm: Install - Conduit & Devices for Lighting	2	22-Apr-19	23-Apr-19	-326											
CTS.26.50.522	CTS_CN 16 - Break Rm: Install - Conduit & Devices For Lighting	2	22-Apr-19	23-Apr-19	-325											
CTS.26.50.528	CTS_CN 04 - Corridor: Install - Conduit & Devices for Lighting	2	22-Apr-19	23-Apr-19	-324											
CTS.26.50.530	CTS_CN 05 - Storage Rm: Install - Conduit & Devices for Lighting	2	22-Apr-19	23-Apr-19	-325											
CTS.26.50.510	CTS_CN 11 - Storage Rm: Install - Conduit & Devices for Lighting	2	22-Apr-19	23-Apr-19	-359											
CTS.28.20.422	CTS_CN 26 - Stair 4: Set & Hook up - CCTV Cameras (2 each) - Sector 1	2	22-Apr-19	23-Apr-19	-322											
CTS.26.50.598	CTS_CN 20 - Womens Restroom: Wire Pulls - Lighting	5	17-Apr-19	23-Apr-19	-352											
CTS.26.50.610	CTS_CN 12 - Corridor: Pull Wire - Lighting	1	23-Apr-19	23-Apr-19	-355											
CTS.26.05.610	CTS_CN 07 - Elevator Control Closet: Install Conduit & Devices for Lighting	2	22-Apr-19	23-Apr-19	-325											
CTS.26.50.520	CTS_CN 10 - Emerg Command Rm: Install - Conduit & Devices Lighting	3	22-Apr-19	24-Apr-19	-329											
CTS.26.50.628	CTS_CN 05 - Storage Rm: Pull Wire - Lighting	1	24-Apr-19	24-Apr-19	-325											

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2019				2020				2021		
						Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
CTS.26.50.594	CTS_CN 04 - Corridor: Pull Wire- Lighting	1	24-Apr-19	24-Apr-19	-324											
CTS.26.50.620	CTS_CN 16 - Break Rm: Pull Wire Lighting	1	24-Apr-19	24-Apr-19	-325											
CTS.26.50.640	CTS_CN 11 - Storage Rm: Pull Wire - Lighting	1	24-Apr-19	24-Apr-19	-359											
CTS.26.50.642	CTS_CN 12 - Corridor: Hang Light Fixtures & Terminate	1	24-Apr-19	24-Apr-19	-355											
CTS.26.50.646	CTS_CN 24 - Valve Rm: Pull Wire - Lighting	1	24-Apr-19	24-Apr-19	-326											
CTS.26.05.720	CTS_CN 07 - Elevator Control Closet: Pull Wire- Lighting	1	24-Apr-19	24-Apr-19	-325											
CTS.26.50.552	CTS_CN 10 - Emerg Command Rm: Wire Pulls - Lighting	1	25-Apr-19	25-Apr-19	-329											
CTS.26.50.602	CTS_CN 20 - Womens Restroom: Hang Light Fixtures & Terminate	2	24-Apr-19	25-Apr-19	-340											
CTS.26.50.626	CTS_CN 04 - Corridor: Hang Fixtures & Terminate	1	25-Apr-19	25-Apr-19	-324											
CTS.26.05.650	CTS_CN 11 - Storage Rm: Hang Light Fixtures & Terminate	1	25-Apr-19	25-Apr-19	-359											
CTS.26.50.518	CTS_CN 13 - Concessions: Install - Conduit & Devices for Lighting	5	22-Apr-19	26-Apr-19	-334											
CTS.26.50.532	CTS_CN 06 - Stair 6: Install - Conduit & Devices for Lighting	5	22-Apr-19	26-Apr-19	-329											
CTS.26.50.536	CTS_CN 23 - Stair 5: Install - Conduit & Devices for Lighting	5	22-Apr-19	26-Apr-19	-329											
CTS.28.20.432	CTS_CN 01: Set & Hook up - CCTV Cameras (8 each) - Sector 2	5	22-Apr-19	26-Apr-19	-325											
CTS.26.05.996	CTS_CN 07 - Elevator Control Closet: Hang Fixtures & Terminate	2	25-Apr-19	26-Apr-19	-325											
CTS.26.05.570	CTS_CN 10 - Emerg Command Rm: Install Fixtures & Terminate	1	26-Apr-19	26-Apr-19	-329											
CTS.26.05.585	CTS_CN 03 - Ticketing Hall: Install Conduit & Boxes for Receptacles	5	22-Apr-19	26-Apr-19	-329											
CTS.26.05.665	CTS_CN 24 - Valve Rm: Hang Fixtures & Terminate	2	25-Apr-19	26-Apr-19	-326											
CTS.26.50.660	CTS_CN 05 - Storage Rm: Hang Fixtures & Terminate	2	25-Apr-19	26-Apr-19	-325											
CTS.26.50.524	CTS_CN 19 - Womens Staff Lockers: Install - Conduit & Devices for Lighting	5	22-Apr-19	26-Apr-19	-343											
CTS.28.20.500	CTS_CN 24 - Valve Rm: Set & Hook up - CCTV Camera (1 each)	1	29-Apr-19	29-Apr-19	-326											
CTS.26.50.514	CTS_CN 14 - Trash Rm: Install - Conduit & Devices Lighting	2	30-Apr-19	01-May-19	-358											
CTS.26.50.600	CTS_CN 22 - Mens Restroom: Install - Conduit & Boxes For Lighting	5	25-Apr-19	01-May-19	-347											
CTS.26.50.550	CTS_CN 13 - Concessions: Install - Conduit & Devices For Power	5	08-Oct-18 A	02-May-19	-334											
CTS.28.31.516	CTS_CN 10 - Emergency Command Rm: Set & Hook up - Fire Alarm Control Panel	4	29-Apr-19	02-May-19	-329											
CTS.26.50.564	CTS_CN 06 - Stair 6: Hang Light Fixtures	4	29-Apr-19	02-May-19	-329											
CTS.26.50.534	CTS_CN 07 - Elevator Control Closet: Install - Elevator Controller Cabinets & Disconnects	5	26-Apr-19	02-May-19	-333											
CTS.26.50.634	CTS_CN 23 - Stair 5: Hang Light Fixtures	4	29-Apr-19	02-May-19	-329											
CTS.26.50.612	CTS_CN 14 - Trash Rm: Pull Wire - Lighting	1	02-May-19	02-May-19	-358											
CTS.26.50.616	CTS_CN 13 - Concessions: Pull Wire - Lighting	4	29-Apr-19	02-May-19	-334											
CTS.26.50.622	CTS_CN 19 - Womens Staff Lockers: Pull Wire For Lighting	4	29-Apr-19	02-May-19	-343											
CTS.26.05.695	CTS_CN 03 - Ticketing Hall: Pull Wire & Set Receptacles	4	29-Apr-19	02-May-19	-329											
CTS.26.50.644	CTS_CN 14 - Trash Rm: Hang Light Fixtures & Terminate	2	03-May-19	06-May-19	-358											
CTS.26.50.632	CTS_CN 07 - Elevator Control Closet: Pull Wire To Elevators 3 & 4.	4	03-May-19	08-May-19	-333											
CTS.26.33.502	CTS_CN 08 - Aux Elect Rm: Install - UPS Battery Cabinets - 4 ea	5	03-May-19	09-May-19	-368											
CTS.26.50.648	CTS_CN 13 - Concessions: Pull Wire - Power	5	03-May-19	09-May-19	-334											
CTS.26.50.654	CTS_CN 19 - Womens Staff Lockers: Hang Light Fixtures & Terminate	5	03-May-19	09-May-19	-343											
CTS.26.05.670	CTS_CN 13 - Concessions: Hang Fixtures & Terminate	5	03-May-19	09-May-19	-334											
CTS.26.24.610	CTS_CN 02 - Station Agent Booth: Install - Panelboard	5	06-May-19	10-May-19	-340											
CTS.26.50.526	CTS_CN 03 - Ticketing Hall: Install - Overhead Lighting Conduit & Devices	5	07-May-19	13-May-19	-356											
CTS.26.05.590	CTS_CN 02 - Station Agent Booth: Install Power Conduit & Boxes	5	15-Oct-18 A	15-May-19	-357											
CTS.26.33.504	CTS_CN 08 - Aux Elect Rm: Install - UPS-2 Cabinet - 1 ea	5	10-May-19	16-May-19	-368											
CTS.26.05.986	CTS_CN 13 - Concessions: Terminate Power Devices	5	10-May-19	16-May-19	-324											
CTS.26.50.558	CTS_CN 03 - Ticketing Hall: - Lighting Wire Pulls	5	14-May-19	20-May-19	-356											
CTS.26.50.560	CTS_CN 02 - Station Agent Booth: Install - Lighting	3	16-May-19	20-May-19	-357											
CTS.26.50.624	CTS_CN 03 - Ticketing Hall: Pull Wire & Set Light Switches\Sensors	5	14-May-19	20-May-19	-341											
CTS.26.24.524	CTS_CN 08 - Aux Elect Rm: Install - Panelboard 4P	3	17-May-19	21-May-19	-368											
CTS.26.05.700	CTS_CN 02 - Station Agent Booth: Pull Wire - Power	5	16-May-19	22-May-19	-343											
CTS.26.50.656	CTS_CN 03 - Ticketing Hall: Hang Light Fixtures & Terminate	5	21-May-19	28-May-19	-356											
CTS.26.50.658	CTS_CN 02 - Station Agent Booth: Pull Wire & Set Light Fixtures	5	21-May-19	28-May-19	-357											

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2019				2020				2021		
						Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
CTS.26.24.620	CTS_CN 08 - Aux Elect Rm: Install - Panelboard LCP-4	5	22-May-19	29-May-19	-368											
CTS.26.24.670	CTS_CN 08 - Aux Elect Rm: Terminations - Panelboard 4P - Receptacles	5	22-May-19	29-May-19	-347											
CTS.26.12.506	CTS_CN 08 - Aux Elect Rm: Install - Transformer T-6	5	22-May-19	29-May-19	-357											
CTS.26.50.668	CTS_CN 22 - Mens Restroom: Pull Wire - Lighting	5	23-May-19	30-May-19	-362											
CTS.28.31.526	CTS_CN 02 - Station Agent Booth Rm: Security & Communications Equipment	5	29-May-19	04-Jun-19	-357											
CTS.26.05.526	CTS_CN 08 - Aux Elect Rm: Install - System Ground Bus	5	30-May-19	05-Jun-19	-357											
CTS.26.24.630	CTS_CN 08 - Aux Elect Rm: Install - Panelboard 4HL	5	30-May-19	05-Jun-19	-368											
CTS.26.24.680	CTS_CN 08 - Aux Elect Rm: Terminations - Panelboard LCP-4 - Lighting Control	5	30-May-19	05-Jun-19	-353											
CTS.26.50.506	CTS_CN 08 - Aux Elect Rm: Install - Conduit & Boxes for Lighting	2	06-Jun-19	07-Jun-19	-357											
CTS.26.50.674	CTS_CN 22 - Mens Restroom: Hang Light Fixtures & Terminate	5	04-Jun-19	10-Jun-19	-364											
CTS.26.50.586	CTS_CN 08 - Aux Elect Rm: Pull Wire - Lighting	1	10-Jun-19	10-Jun-19	-357											
CTS.26.24.640	CTS_CN 08 - Aux Elect Rm: Install - Panelboard E4HL	5	06-Jun-19	12-Jun-19	-368											
CTS.26.24.690	CTS_CN 08 - Aux Elect Rm: Terminations - Panelboard 4HL - Public Lighting	5	06-Jun-19	12-Jun-19	-358											
CTS.26.50.604	CTS_CN 08 - Aux Elect Rm: Hang Fixtures & Terminate	2	11-Jun-19	12-Jun-19	-357											
CTS.26.50.652	CTS_CN 16 - Break Rm: Hang Fixtures & Terminate	2	14-Jun-19	17-Jun-19	-360											
CTS.26.24.700	CTS_CN 08 - Aux Elect Rm: Terminations - Panelboard E4HL - Emergency Lighting	5	13-Jun-19	19-Jun-19	-363											
CTS.26.24.710	CTS_CN 08 - Aux Elect Rm: Terminations - Panelboard E4P1 - Fire Smoke Dampers, Clean Agent	5	13-Jun-19	19-Jun-19	-362											
CTS.26.24.712	CTS_CN 08 - Aux Elect Rm: Pull Wire - Panelboard EDHL - Power Feeders (Emerg Ltg)	5	13-Jun-19	19-Jun-19	-368											
CTS.26.24.650	CTS_CN 08 - Aux Elect Rm: Install - Panelboard E4P1	5	13-Jun-19	19-Jun-19	-368											
CTS.26.24.660	CTS_CN 08 - Aux Elect Rm: Install - Panelboard EDHL	5	13-Jun-19	19-Jun-19	-368											
CTS.26.50.672	CTS_CN 20 - Womens Restroom: Install - Conduit & Boxes For Light Fixtures	5	13-Jun-19	19-Jun-19	-366											
CTS.26.24.720	CTS_CN 08 - Aux Elect Rm: Terminations - Panelboard EDHL - Power Feeders	4	20-Jun-19	25-Jun-19	-368											
CTS.26.11.925	CTS_CN 08 - Aux Elect Rm: Energize - Panelboard EDHL	1	26-Jun-19	26-Jun-19	-368											
CTS.26.11.930	CTS_CN 08 - Aux Elect Rm: Energize - Lighting Panelboards	1	27-Jun-19	27-Jun-19	-368											
Platform Level		180	12-Apr-18 A	27-Jun-19	-347											
Under Platform Level		99	07-May-18 A	28-May-19	-361											
Electrical - Transportation		61	25-Feb-19	20-May-19	-367											
Architectual Finishes		120	15-Feb-19	05-Aug-19	-354											
Conveyances		74	04-Apr-19	16-Jul-19	85											
Startup & Testing		30	28-Jun-19	09-Aug-19	-368											
No 13-Disp		1459	06-Sep-13 A	15-Aug-19	63											
Construction YBM Station P-1255		1455	08-Jan-14 A	14-Aug-19	64											
Preconstruction		15	27-Aug-18 A	15-Feb-19	-245											
Excavation & Support		1	25-Apr-16 A	26-Mar-19	-297											
Concrete/Shotcrete		1272	24-Mar-15 A	23-May-19	-336											
Electrical		260	08-Jan-18 A	15-May-19	-355											
Concourse Level		78	28-Jan-19	15-May-19	-348											
Mezzanine Level		242	15-Jan-18 A	03-May-19	-340											
Platform Level		239	08-Jan-18 A	16-Apr-19	-334											
YBM.26.24.1040	YBM_PL 106 - Aux Elect Rm: Install - Panelboard E1NHL (NB/SB Tunnel Lighting - Future)	2	08-Jun-18 A	29-Jan-19	-324											
YBM.26.24.1190	YBM_PL 106 - Aux Elect Rm: Install - Panelboard E1NP (Receptacles)	2	06-Jun-18 A	29-Jan-19	-324											
YBM.26.24.1320	YBM_PL 207 - Aux Elect Rm: Install - Panelboard 1SHP (NB/SB Tunnel Power - Future)	2	31-May-18 A	29-Jan-19	-276											
YBM.26.24.1060	YBM_PL 106 - Aux Elect Rm: Terminations - Panelboard 1NP	3	28-Jan-19	30-Jan-19	-283											
YBM.26.24.1180	YBM_PL 106 - Aux Elect Rm: Terminations - Panelboard LCP-1N (Lighting Control)	3	28-Jan-19	30-Jan-19	-274											
YBM.26.24.1310	YBM_PL 207 - Aux Elect Rm: Terminations - Panelboard 1SP1	3	28-Jan-19	30-Jan-19	-274											
YBM.26.24.1070	YBM_PL 207 - Aux Elect Rm: Install - Panelboard E1SP (Recptacles)	2	12-Jun-18 A	31-Jan-19	-278											
YBM.26.24.1220	YBM_PL 106 - Aux Elect Rm: Install - Panelboard 1NHP (NB/SN Tunnel - Future)	2	12-Jun-18 A	31-Jan-19	-324											
YBM.26.24.1350	YBM_PL 207 - Aux Elect Rm: Install Raceway - Panelboard 1SHL	3	08-Jan-18 A	07-Feb-19	-283											
YBM.34.05.0210	YBM_PL_Install Conduit PB02 to NB Feeder Box To PS01& PS05 (Traction Power)	5	04-Sep-18 A	08-Feb-19	-313											
YBM.34.05.0240	YBM_PL_Install Conduit NB Positive Feeder Box PS01 to PS04 (Traction Power)	5	04-Sep-18 A	08-Feb-19	-305											
YBM.34.05.0220	YBM_PL_Install Conduit SB Positive Feeder Box PS02 to PS06 (Traction Power)	5	04-Sep-18 A	08-Feb-19	-309											

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2019				2020				2021			
						Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	
YBM.26.24.1210	YBM_PL 106 - Aux Elect Rm: Terminations - Panelboard E1NP (Receptacles)	3	06-Feb-19	08-Feb-19	-281												
YBM.26.24.1430	YBM_PL 207 - Aux Elect Rm: Terminations - Panelboard LCP-1S	3	18-Feb-19	20-Feb-19	-289												
YBM.34.05.0200	YBM_PL_Install Conduit PB01 to SB Feeder Boxes PS03 & PS06 (Traction Power)	5	30-Aug-18 A	01-Mar-19	-330												
YBM.26.24.1400	YBM_PL 207 - Aux Elect Rm: Terminations - Panelboard E1SHL	3	05-Mar-19	07-Mar-19	-300												
YBM.26.24.1100	YBM_PL 106 - Aux Elect Rm: Terminations - Panelboard 1NHL	3	05-Mar-19	07-Mar-19	-306												
YBM.26.24.1360	YBM_PL 207 - Aux Elect Rm: Terminations - Panelboard 1SHP	3	06-Mar-19	08-Mar-19	-301												
YBM.26.24.1370	YBM_PL 207 - Aux Elect Rm: Terminations - Panelboard 1SHL	3	06-Mar-19	08-Mar-19	-301												
YBM.26.24.1240	YBM_PL 106 - Aux Elect Rm: Terminations - Panelboard 1NHP	3	06-Mar-19	08-Mar-19	-301												
YBM.26.24.1130	YBM_PL 106 - Aux Elect Rm: Terminations - Panelboard E1NHL	3	08-Mar-19	12-Mar-19	-306												
YBM.26.24.1150	YBM_PL 207 - Aux Elect Rm: Terminations - Panelboard E1SP	3	13-Mar-19	15-Mar-19	-306												
YBM.26.12.0630	YBM_PL 207 - Aux Elect Rm: Terminations - Transformer T-9 & Disconnect Switch	1	18-Mar-19	18-Mar-19	-307												
YBM.34.22.0320	YBM_PL 001_Terminate NB Cable Positive Feeder Box PS05 (From PB-02)	2	02-Apr-19	03-Apr-19	-339												
YBM.34.22.0300	YBM_PL 001_Terminate SB Cable - Positive Feeder Box PS06 (From PB-01)	2	04-Apr-19	05-Apr-19	-341												
YBM.34.22.0280	YBM_PL 001_Terminate SB Cable - Positive Feeder Box PS02 to PS06	2	08-Apr-19	09-Apr-19	-343												
YBM.34.22.0310	YBM_PL 001_Terminate NB Cable - Positive Feeder Box PS01 (From PB-02)	2	10-Apr-19	11-Apr-19	-345												
YBM.34.22.0290	YBM_PL 001_Terminate NB Cable - Positive Feeder Box PS01 to PS04	2	12-Apr-19	15-Apr-19	-347												
YBM.26.24.1570	YBM_PL 106 - Energize Aux Elect Rm Panelboards	1	15-Apr-19	15-Apr-19	-326												
YBM.26.11.0961	YBM_PL 207 - Aux Elect Rm: Energize Panelboards	1	15-Apr-19	15-Apr-19	-326												
YBM.34.22.0250	YBM_PL 001_Termimate SB Cable - Positive Feeder Box PS03 (From PB-01)	2	15-Apr-19	16-Apr-19	-348												
Under Platform Level		117	12-Nov-18 A	15-May-19	-348												
Electrical - Transportation		72	28-Jan-19	07-May-19	-349												
Conveyances		329	10-Jan-18 A	03-Jun-19	-360												
All Levels		329	10-Jan-18 A	03-Jun-19	-360												
YBM.14.21.115	Install Elevators #1, 2	15	10-Jan-18 A	13-Feb-19	-323												
YBM.14.31.147	Escalator #1,2 Finish from Platform to Concourse Level	10	06-Apr-18 A	22-Feb-19	-330												
YBM.14.31.137	Electrical/ Terminate Escalator #1,2 from Platform to Concourse Level	10	25-Feb-19	08-Mar-19	-310												
YBM.14.21.145	Install Elevators #3, 4	30	04-Feb-19	15-Mar-19	-324												
YBM.14.31.167	Assemble/ Install Escalator #3,4 from Concourse to SurfaceLevel	14	20-Aug-18 A	29-Mar-19	-344												
YBM.14.31.187	Escalator #3,4 Finish from Concourse to Surface Level	14	01-Apr-19	18-Apr-19	-344												
YBM.14.31.197	Startup & Test Escalator #1,2 from Platform to Concourse Level	10	15-Apr-19	26-Apr-19	-335												
YBM.14.31.177	Electrical/ Terminate Escalator #3,4 from Concourse to Surface Level	10	19-Apr-19	02-May-19	-344												
YBM.14.31.207	Startup & Test Escalator #3,4 from Concourse to Surface Level	5	03-May-19	09-May-19	-344												
YBM.14.21.125	Startup & Test Elevators #1, 2	5	28-May-19	03-Jun-19	-360												
YBM.14.21.155	Startup & Test Elevators #3, 4	5	28-May-19	03-Jun-19	-360												
Startup & Testing		40	14-Jun-19	09-Aug-19	-368												
No 13-Disp		1436	08-Jan-14 A	14-Aug-19	64												
Construction STS P-1256		1534	09-Jan-14 A	04-Nov-19	6												
Preconstruction		15	27-Aug-18 A	12-Feb-19	-242												
Concrete/Shotcrete		156	25-Jun-18 A	27-Feb-19	-298												
Tunnel Concrete		268	22-Jan-18 A	09-Jul-19	-360												
Platform Level		268	22-Jan-18 A	09-Jul-19	-360												
STS.21.12.350	STS_Install SB Tunnel Walkway Deluge Piping - Chinatown Station to North Limit	3	28-Jan-19	30-Jan-19	-295												
STS.05.53.560	STS_Install NB Tunnel Drain Metal Grating - Tunnel Portal	3	28-Jan-19	30-Jan-19	-328												
STS.21.12.410	STS_Install NB Tunnel Walkway Deluge Piping - Tunnel Portal	3	26-Apr-18 A	30-Jan-19	-320												
STS.05.52.0135	STS_Install NB Tunnel Walkway Handrails - Tunnel Portal NB	5	28-Jan-19	01-Feb-19	-291												
STS.07.80.0260	STS_Install SB Tunnel Walkway ARS Fire Blanket - Chinatown Station to North Limit	3	31-Jan-19	04-Feb-19	-295												
STS.07.80.0220	STS_Install NB Tunnel Walkway ARS Fire Blanket - Tunnel Portal	3	31-Jan-19	04-Feb-19	-320												
STS.05.52.0120	STS_Install NB Tunnel Walkway Handrails - Portal to Moscone 1,300 LF	7	28-Jan-19	05-Feb-19	-293												
STS.05.53.540	STS_Install NB Tunnel Drain Metal Grating - Portal to Moscone 1,300 LF	5	31-Jan-19	06-Feb-19	-328												
STS.22.16.540	STS_Install NB Tunnel Walkway ARS Fire Blanket Metal Cover - Tunnel Portal	3	05-Feb-19	07-Feb-19	-318												

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2019												2020			2021	
						Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2						
						2021		2022		2023		2024		2025								
STS.03.30.166S	STS_F/R/P SB Tunnel Walkway 1st Lift/Standpipe Landing - Chinatown Station to North Limit	10	28-Jan-19	08-Feb-19	-338																	
STS.03.30.161N	STS_F/R/P NB Tunnel Walkway 1st Lift/Standpipe Landing - Chinatown Station to North Limit	10	28-Jan-19	08-Feb-19	-322																	
STS.03.30.132N	STS_F/R/P NB Tunnel Walkway 2nd Lift & Wire Duct Union Square to China Town 2,422 LF	10	28-Jan-19	08-Feb-19	-331																	
STS.07.80.0200	STS_Install NB Tunnel Walkway ARS Fire Blanket - Portal to Moscone 1,300 LF	5	05-Feb-19	11-Feb-19	-320																	
STS.05.52.190	STS_Install Handrails - Chinatown Crossover / Tunnel Interface	3	11-Feb-19	13-Feb-19	-299																	
STS.22.16.550	STS_Install NB Tunnel Walkway ARS Fire Blanket Metal Cover - Portal to Moscone 1,300 LF	5	12-Feb-19	18-Feb-19	-320																	
STS.22.15.530	STS_Install Ground Hydrants 4th/Brannan Station	3	22-Jan-18 A	20-Feb-19	-263																	
STS.05.53.610	STS_Install SB Tunnel Drain Metal Grating - Tunnel Portal	2	19-Feb-19	20-Feb-19	-340																	
STS.21.12.360	STS_Install SB Tunnel Walkway Deluge Piping - Tunnel Portal	3	26-Apr-18 A	21-Feb-19	-336																	
STS.03.30.167S	STS_F/R/P SB Tunnel Walkway 2nd Lift & Wire Duct - Chinatown Station to North Limit	10	11-Feb-19	22-Feb-19	-338																	
STS.03.30.162N	STS_F/R/P NB Tunnel Walkway 2nd Lift & Wire Duct - Chinatown Station to North Limit	10	11-Feb-19	22-Feb-19	-322																	
STS.05.53.590	STS_Install SB Tunnel Drain Metal Grating - Portal to Moscone 1,300 LF	3	21-Feb-19	25-Feb-19	-340																	
STS.05.52.0180	STS_Install SB Tunnel Walkway Handrails - Tunnel Portal SB	5	19-Feb-19	25-Feb-19	-314																	
STS.07.80.0270	STS_Install SB Tunnel Walkway ARS Fire Blanket - Tunnel Portal	3	22-Feb-19	26-Feb-19	-336																	
STS.05.52.0100	STS_Install NB Tunnel Walkway Handrails - Union Square to China Town 2,422 LF	12	11-Feb-19	26-Feb-19	-308																	
STS.05.52.180	STS_Install Handrails - Chinatown Station / Tunnel Interface	3	25-Feb-19	27-Feb-19	-309																	
STS.21.12.400	STS_Install NB Tunnel Walkway Deluge Piping - Chinatown Station to North Limit	3	25-Feb-19	27-Feb-19	-315																	
STS.05.53.550	STS_Install NB Tunnel Drain Metal Grating - Chinatown Station to North Limit	3	25-Feb-19	27-Feb-19	-317																	
STS.05.52.0130	STS_Install NB Tunnel Walkway Handrails - Chinatown Station to North Limit	3	25-Feb-19	27-Feb-19	-309																	
STS.05.52.0170	STS_Install SB Tunnel Walkway Handrails - Chinatown Station to North Limit	3	25-Feb-19	27-Feb-19	-309																	
STS.07.80.0210	STS_Install NB Tunnel Walkway ARS Fire Blanket - Chinatown Station to North Limit	3	28-Feb-19	04-Mar-19	-315																	
STS.07.80.0250	STS_Install SB Tunnel Walkway ARS Fire Blanket - Portal to Moscone 1,300 LF	5	27-Feb-19	05-Mar-19	-336																	
STS.05.52.0160	STS_Install SB Tunnel Walkway Handrails - Portal to Moscone 1,300 LF	7	26-Feb-19	06-Mar-19	-314																	
STS.05.52.260	STS_Install "In-Between" Car Barrier - 4th/Brannan Station	10	27-Feb-19	13-Mar-19	-278																	
STS.21.12.380	STS_Install NB Tunnel Walkway Deluge Piping - Moscone to Union Square - 1,950 LF	7	14-May-18 A	13-Mar-19	-344																	
STS.05.52.200	STS_Install Handrails - Union Square Station / Tunnel Interface	3	12-Mar-19	14-Mar-19	-320																	
STS.05.52.210	STS_Install Handrails - Moscone Station / Tunnel Interface	3	12-Mar-19	14-Mar-19	-320																	
STS.03.30.147S	STS_F/R/P SB Tunnel Walkway 2nd Lift & Wire Duct Moscone to Union Square - 1,950 LF	10	13-Mar-18 A	20-Mar-19	-355																	
STS.05.53.530	STS_Install NB Tunnel Drain Metal Grating - Moscone to Union Square - 1,950 LF	7	12-Mar-19	20-Mar-19	-351																	
STS.21.12.330	STS_Install SB Tunnel Walkway Deluge Piping - Moscone to Union Square - 1,950 LF	7	02-Aug-18 A	22-Mar-19	-351																	
STS.07.80.0190	STS_Install NB Tunnel Walkway ARS Fire Blanket - Moscone to Union Square - 1,950 LF	7	13-Mar-19	22-Mar-19	-344																	
STS.05.53.580	STS_Install SB Tunnel Drain Metal Grating - Moscone to Union Square - 1,950 LF	7	14-Mar-19	22-Mar-19	-352																	
STS.05.52.0110	STS_Install NB Tunnel Walkway Handrails - Moscone to Union Square - 1,950 LF	10	12-Mar-19	25-Mar-19	-327																	
STS.22.16.590	STS_Install SB Tunnel Walkway ARS Fire Blanket Metal Cover - Tunnel Portal	3	28-Mar-19	01-Apr-19	-355																	
STS.05.53.520	STS_Install NB Tunnel Drain Metal Grating - Union Square to China Town 2,422 LF	8	21-Mar-19	01-Apr-19	-351																	
STS.03.30.136S	STS_F/R/P SB Tunnel Walkway 1st Lift/Standpipe Landing Union Square to China Town 2,422 LF	10	19-Mar-19	01-Apr-19	-369																	
STS.22.16.530	STS_Install NB Tunnel Walkway ARS Fire Blanket Metal Cover - Moscone to Union Square - 1,9	7	22-Mar-19	02-Apr-19	-344																	
STS.07.80.0240	STS_Install SB Tunnel Walkway ARS Fire Blanket - Moscone to Union Square - 1,950 LF	7	22-Mar-19	02-Apr-19	-351																	
STS.05.52.0150	STS_Install SB Tunnel Walkway Handrails - Moscone to Union Square - 1,950 LF	10	21-Mar-19	03-Apr-19	-334																	
STS.05.50.530	STS_Install Sump Pumps Cover & Ladder - Passage #5	3	17-Jul-18 A	08-Apr-19	-337																	
STS.21.12.370	STS_Install NB Tunnel Walkway Deluge Piping - Union Square to China Town 2,422 LF	8	28-Mar-19	08-Apr-19	-364																	
STS.22.16.600	STS_Install SB Tunnel Walkway ARS Fire Blanket Metal Cover - Portal to Moscone 1,300 LF	5	02-Apr-19	08-Apr-19	-355																	
STS.22.14.520	STS_Install Sump Pumps Cross Passage #5	3	04-Apr-19	08-Apr-19	-337																	
STS.22.16.520	STS_Install NB Tunnel Walkway ARS Fire Blanket Metal Cover - Union Square to China Town 2,	8	02-Apr-19	12-Apr-19	-344																	
STS.03.30.137S	STS_F/R/P SB Tunnel Walkway 2nd Lift & Wire Duct Union Square to China Town 2,422 LF	10	02-Apr-19	15-Apr-19	-369																	
STS.22.16.560	STS_Install NB Tunnel Walkway ARS Fire Blanket Metal Cover - Chinatown Station to North Limi	3	12-Apr-19	17-Apr-19	-344																	
STS.22.16.580	STS_Install SB Tunnel Walkway ARS Fire Blanket Metal Cover - Moscone to Union Square - 1,9	7	09-Apr-19	17-Apr-19	-355																	
STS.07.80.0180	STS_Install NB Tunnel Walkway ARS Fire Blanket - Union Square to China Town 2,422 LF	8	09-Apr-19	18-Apr-19	-364																	
STS.21.12.320	STS_Install SB Tunnel Walkway Deluge Piping - Union Square to China Town 2,422 LF	8	16-Apr-19	25-Apr-19	-369																	
STS.05.53.570	STS_Install SB Tunnel Drain Metal Grating - Union Square to China Town 2,422 LF	8	16-Apr-19	25-Apr-19	-368																	

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2019				2020				2021		
						Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
STS.05.53.600	STS_Install SB Tunnel Drain Metal Grating - Chinatown Station to North Limit	3	26-Apr-19	30-Apr-19	-368											
STS.05.52.220	STS_Install Handrails & Gates - 4th/Brannan Station	10	17-Apr-19	30-Apr-19	-312											
STS.05.52.0140	STS_Install SB Tunnel Walkway Handrails - Union Square to China Town 2,422 LF	12	16-Apr-19	01-May-19	-354											
STS.07.80.0230	STS_Install SB Tunnel Walkway ARS Fire Blanket - Union Square to China Town 2,422 LF	8	26-Apr-19	07-May-19	-369											
STS.22.16.570	STS_Install SB Tunnel Walkway ARS Fire Blanket Metal Cover - Union Square to China Town 2,422 LF	8	08-May-19	17-May-19	-369											
STS.22.16.610	STS_Install SB Tunnel Walkway ARS Fire Blanket Metal Cover - Chinatown Station to North Limit	3	20-May-19	22-May-19	-369											
STS.09.30.230	STS_Install Accent Tiles - 4th/Brannan Station	10	28-May-19	10-Jun-19	-360											
STS.09.30.250	STS_Install Directional Tiles - 4th/Brannan Station	10	11-Jun-19	24-Jun-19	-360											
STS.09.62.240	STS_Install Tactile Warning Strip - 4th/Brannan Station	10	25-Jun-19	09-Jul-19	-360											
Structural Steel		15	03-Sep-18 A	19-Feb-19	-333											
Electrical		81	08-Feb-19	03-Jun-19	-335											
Electrical - Transportation		44	15-Feb-19	17-Apr-19	-360											
Trackwork		436	20-Jun-17 A	04-Jun-19	115											
Platform Level		436	20-Jun-17 A	04-Jun-19	115											
STS.34.11.120	Install SB Tunnel Trackwork - Moscone to Union Square (1,950 TF)	25	18-Sep-17 A	30-Jan-19	-370											
STS.32.13.1300	STS_Prepare Phase 1 4th Street Subgrade - At Brannan St Intersection	5	20-Jan-18 A	01-Feb-19	-280											
STS.32.13.1310	STS_R/F/P Phase 1 4th Street Curbs & Gutters - At Brannan St Intersection	5	20-Jan-18 A	01-Feb-19	-275											
STS.32.13.1340	STS_R/F/P Phase 1 4th Street Sidewalks - At Brannan St Intersection	5	21-Jan-18 A	01-Feb-19	-255											
STS.32.13.1320	STS_R/F/P Phase 1 4th Street 12" Base Slab - At Brannan St Intersection	5	20-Jan-18 A	01-Feb-19	-272											
STS.34.11.0530	STS_Install: Trackwork - Through Brannan St Intersection	5	28-Jan-19	01-Feb-19	-322											
STS.34.11.110	Install SB Trackwork - Thru Union Square Station (410 TF)	3	31-Jan-19	04-Feb-19	-370											
STS.32.13.1540	STS_R/F/P Phase 1 4th Street Sidewalks - At Bryant St Intersection	5	22-Aug-17 A	08-Feb-19	-255											
STS.34.11.0540	STS_Install: Trackwork - Brannan St Intersection To Freelon St	5	04-Feb-19	08-Feb-19	-322											
STS.32.13.1500	STS_Prepare Phase 1 4th Street Subgrade - At Bryant St Intersection	5	17-Aug-17 A	15-Feb-19	-285											
STS.34.11.0550	STS_Install: Trackwork - Through Freelon St Intersection	5	11-Feb-19	15-Feb-19	-322											
STS.32.13.1510	STS_R/F/P Phase 1 4th Street Curbs & Gutters - At Bryant St Intersection	5	18-Aug-17 A	20-Feb-19	-285											
STS.34.11.0560	STS_Install: Trackwork - Freelon St To Bryant St	5	18-Feb-19	22-Feb-19	-322											
STS.32.13.1520	STS_R/F/P Phase 1 4th Street 12" Base Slab - At Bryant St Intersection	5	23-Aug-17 A	27-Feb-19	-285											
STS.32.13.1330	STS_R/F/P Phase 1 4th Street 2" A/C Wearing Surface - At Brannan St Intersection	1	22-Jan-18 A	28-Feb-19	-272											
STS.34.11.0570	STS_Install: Trackwork - Through Bryant St Intersection	5	25-Feb-19	01-Mar-19	-322											
STS.32.13.730	STS_Prepare Phase 2 4th Street Subgrade - At Bryant St Intersection	5	28-Feb-19	06-Mar-19	-285											
STS.34.11.0575	STS_F/R/P Trackway Pavement - King To Townsend St	5	04-Mar-19	08-Mar-19	-306											
STS.32.13.1530	STS_R/F/P Phase 1 4th Street 2" A/C Wearing Surface - At Bryant St Intersection	1	14-Mar-19	14-Mar-19	-281											
STS.34.11.0590	STS_F/R/P Trackway Pavement - Townsend St To Bluxome St	5	11-Mar-19	15-Mar-19	-306											
STS.34.11.105	Install SB Tunnel Trackwork - Union Square to Chinatown (2,422 TF)	30	05-Feb-19	18-Mar-19	-369											
STS.32.13.910	STS_R/F/P Phase 2 4th Street 12" Base Slab - At Bryant St Intersection	10	07-Jan-19 A	20-Mar-19	-285											
STS.32.13.960	STS_R/F/P Phase 2 4th Street 2" A/C Wearing Surface - At Brannan St Intersection	1	20-Jun-17 A	21-Mar-19	-285											
STS.34.11.0600	STS_F/R/P Trackway Pavement - Bluxome St To Brannan	5	18-Mar-19	22-Mar-19	-306											
STS.32.13.1000	STS_R/F/P Phase 2 4th Street 2" A/C Wearing Surface - At Bryant St Intersection	1	22-Mar-19	22-Mar-19	-285											
STS.34.11.0260	STS_Prepare Trackway Subgrade - Through Brannan St Intersection	5	21-Mar-19	27-Mar-19	112											
STS.34.11.0610	STS_F/R/P Trackway Pavement - Through Brannan St Intersection	5	25-Mar-19	29-Mar-19	-306											
STS.34.11.0295	STS_Prepare Trackway Subgrade - Through Bryant St Intersection	5	28-Mar-19	03-Apr-19	112											
STS.34.11.0620	STS_F/R/P Trackway Pavement - Brannan St Intersection To Freelon St	5	01-Apr-19	05-Apr-19	-306											
STS.34.11.0430	STS_F/R/P Trackway Slab - Townsend St To Bluxome St	10	18-Dec-17 A	09-Apr-19	112											
STS.34.11.185	Install NB Trackwork & Crossover - Thru Chinatown Station (539 TF)	20	17-Dec-18 A	11-Apr-19	-359											
STS.34.11.0630	STS_F/R/P Trackway Pavement - Through Freelon St Intersection	5	08-Apr-19	12-Apr-19	-306											
STS.34.11.0440	STS_F/R/P Trackway Slab - Bluxome St To Brannan	10	14-Dec-17 A	15-Apr-19	112											
STS.34.11.170	Install SB Trackwork & Crossover - Thru Chinatown Station (539TF)	20	07-Jan-19 A	15-Apr-19	-367											
STS.34.11.175	Install NB Trackwork - Chinatown Station to North Limit (339 TF)	5	12-Apr-19	18-Apr-19	-357											
STS.34.11.0640	STS_F/R/P Trackway Pavement - Freelon St To Bryant St	5	15-Apr-19	19-Apr-19	-306											

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2019				2020				2021		
						Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
STS.34.11.0450	STS_ F/R/P Trackway Slab - Through Brannan St Intersection	5	16-Apr-19	22-Apr-19	112											
STS.34.11.160	Install SB Trackwork - Chinatown Station to North Limit (339 TF)	5	19-Apr-19	25-Apr-19	-370											
STS.34.11.0650	STS_ F/R/P Trackway Pavement - Through Bryant St Intersection	5	22-Apr-19	26-Apr-19	-306											
STS.34.11.0460	STS_ F/R/P Trackway Slab - Brannan St Intersection To Freelon St	10	23-Apr-19	06-May-19	112											
STS.34.11.0470	STS_ F/R/P Trackway Slab - Through Freelon St Intersection	5	07-May-19	13-May-19	112											
STS.34.11.0475	STS_ F/R/P Trackway Slab - Freelon St To Bryant St	10	14-May-19	28-May-19	112											
STS.34.11.0480	STS_ F/R/P Trackway Slab - Through Bryant St Intersection	5	29-May-19	04-Jun-19	112											
Track System Work		1234	06-Apr-15 A	04-Nov-19	-365											
Startup & Testing		56	28-May-19	14-Aug-19	-371											
No 13-Disp		1460	09-Jan-14 A	14-Aug-19	64											
Unallocated Contingency		253	28-Jan-19	29-Jan-20	-273											

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:

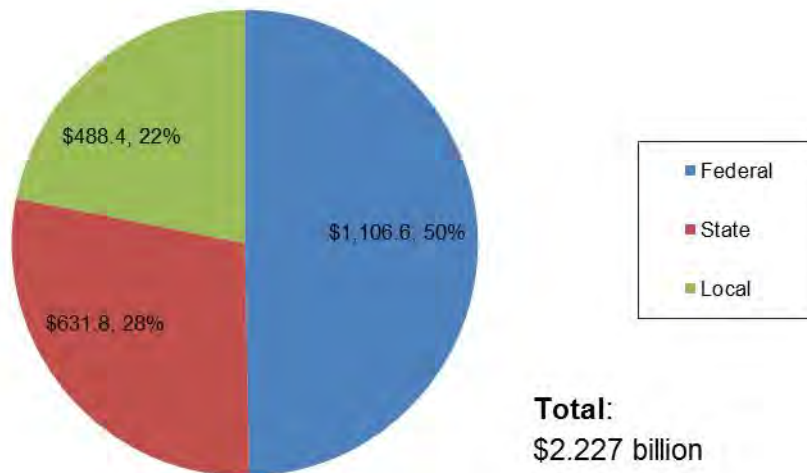
- Phase 1 + Phase 2 of the T Third Line federal, state and local funding percentages previous to the addition of the retrieval shaft relocation budget and funding in December 2013.

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.

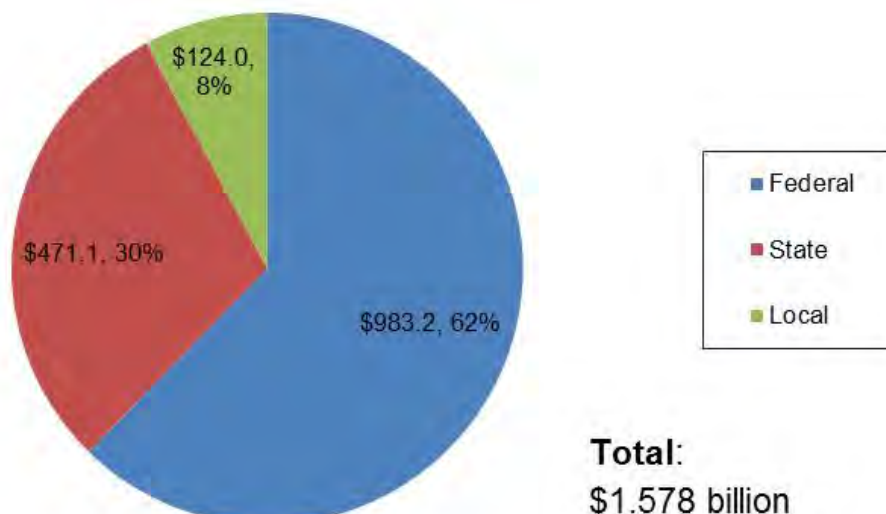
Third Street Light Rail Transit Project Funding

Phase 1 + Phase 2
(\$ in millions)



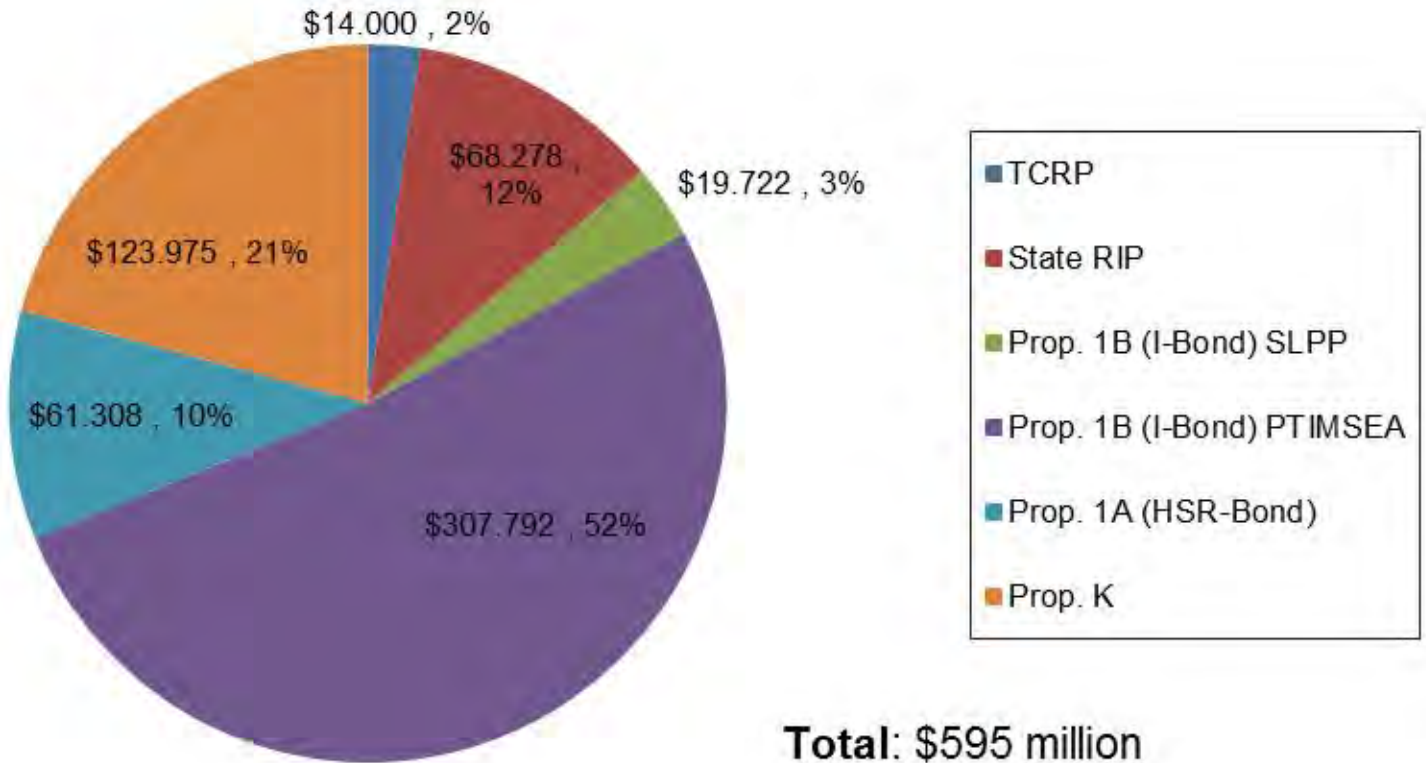
Central Subway Project Funding

Phase 2
(\$ in millions)



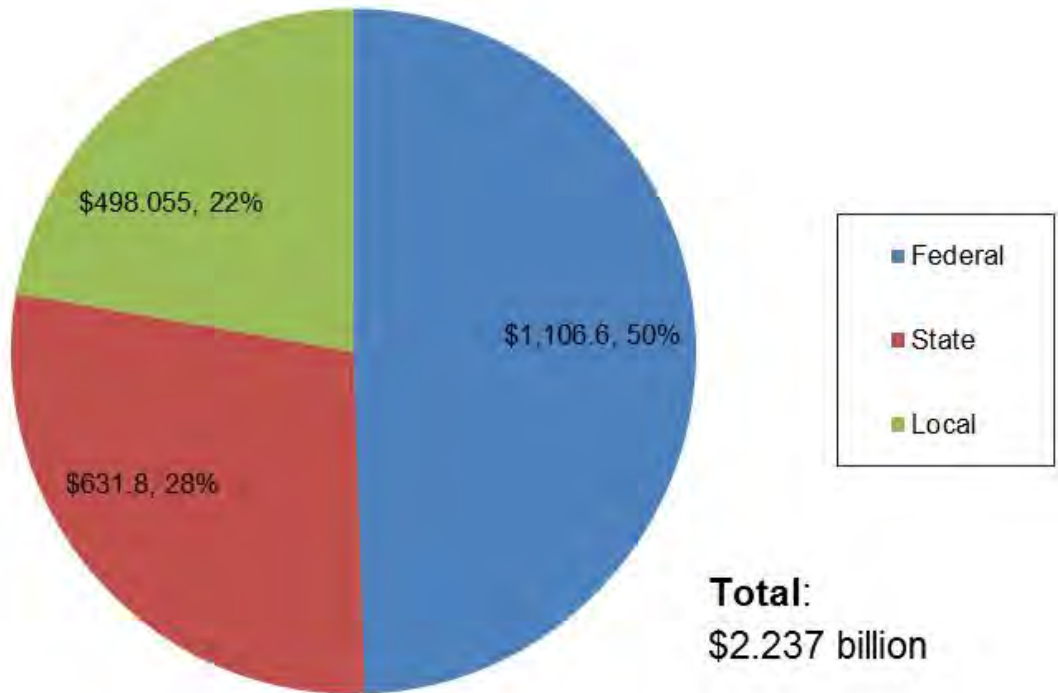
State and Local Funding

Phase 2
(\$ in millions)



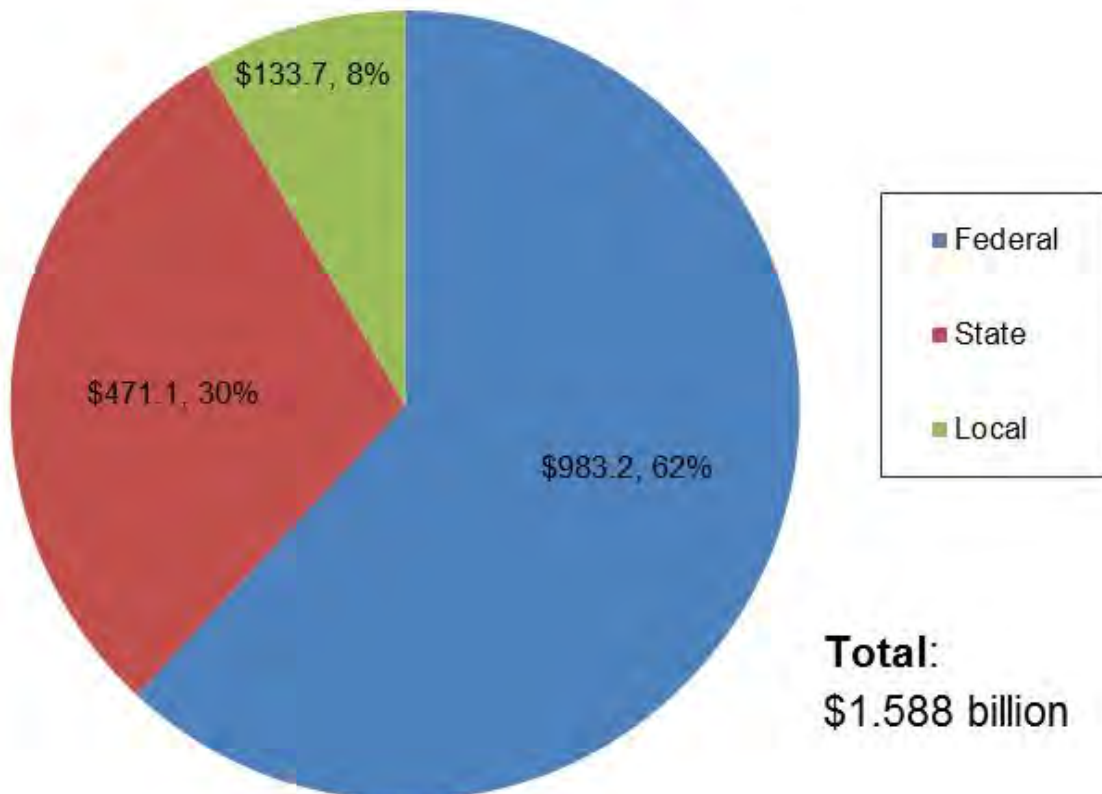
Third Street Light Rail Transit Project Funding

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

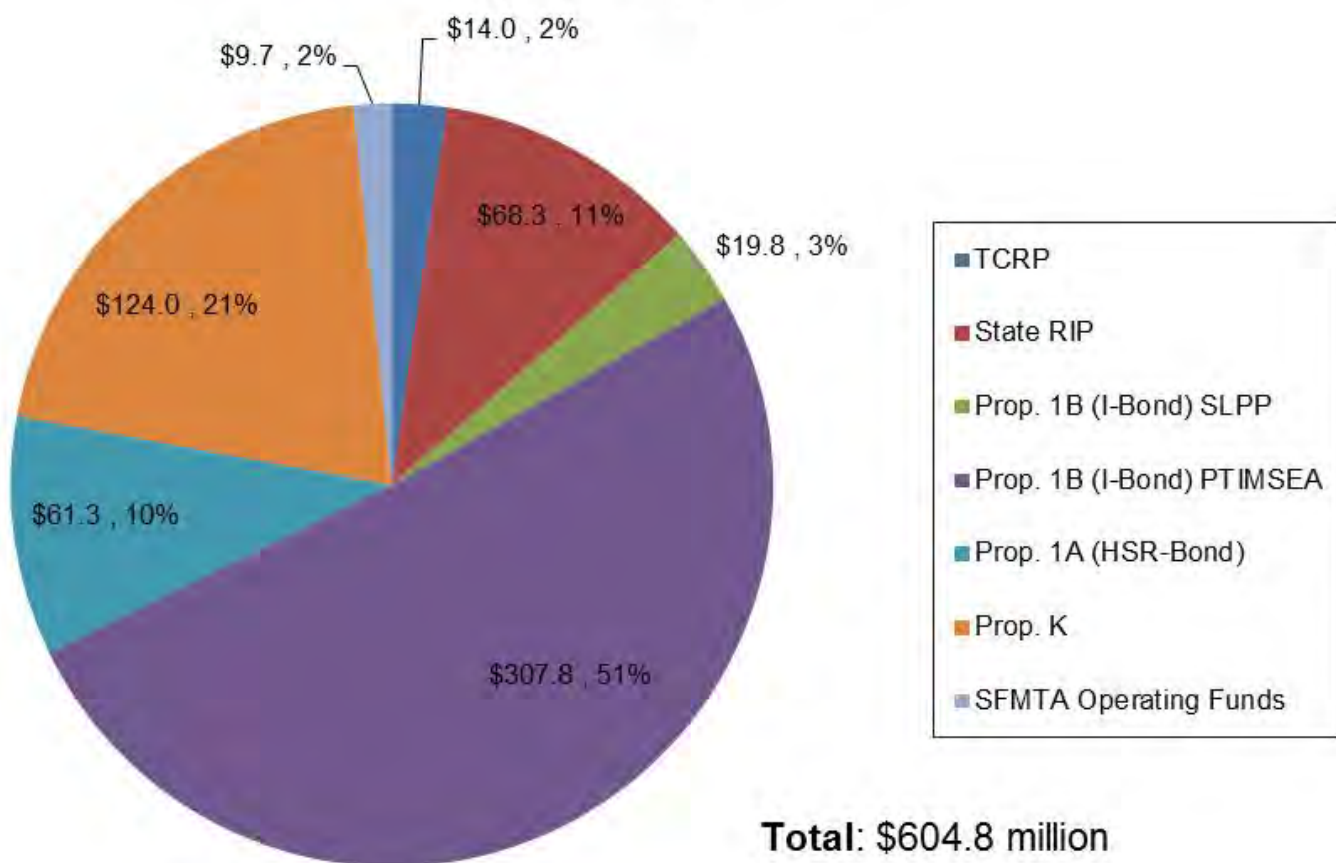


Central Subway Project Funding

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

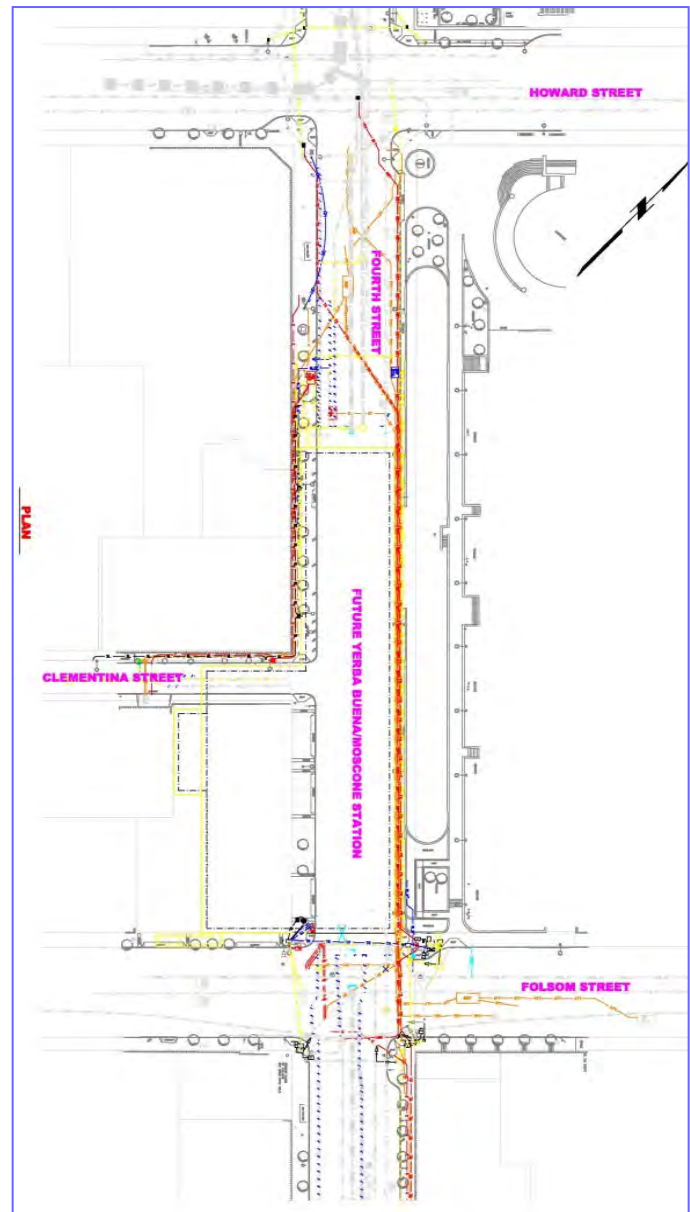
Contract Awarded:	November 17, 2009
Notice to Proceed:	January 4, 2010
Substantial Completion:	June 23, 2011
Contract Award Value:	\$ 9,273,939
Modifications Final :	\$ 2,694,211
Final Contract Value:	\$11,968,150

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)

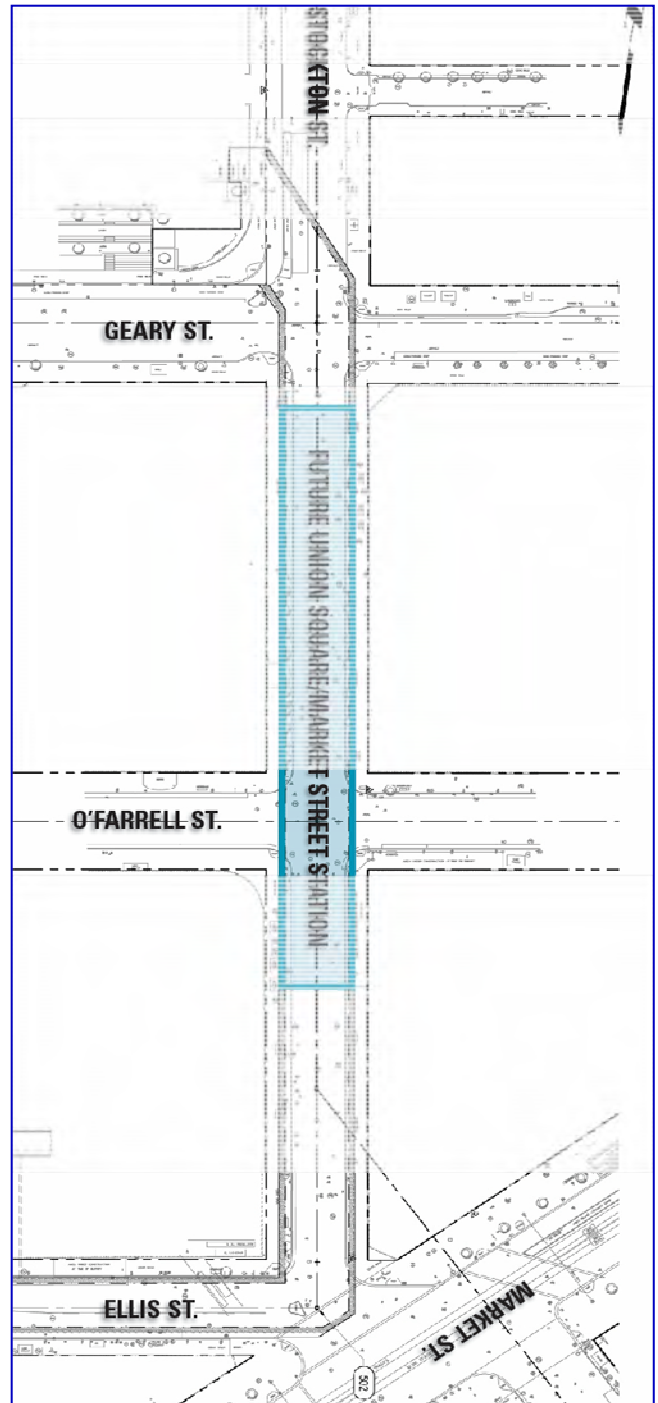
Contract Details	
Contract Awarded:	December 7, 2010
Notice to Proceed:	January 12, 2011
Substantial Completion:	August 16, 2012
Contract Award Value:	\$16,832,550
Modifications Final:	\$3,836,531
Final Contract Value:	\$20,669,081

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	\$239,973,354

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 2018 – December 2018

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, 2018.¹

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.

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	\$85.14	30%	\$74.96	32.4%	\$25.54	\$24.27	31.4%
2	156	Hill International	Project Controls Task 1	\$17.11	26%	\$10.08	27.5%	\$4.45	\$2.77	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	\$37.05	30%	\$42.25	31.6%	\$11.12	\$13.35	36.4%
5	155-3	HNTB, Inc.- B&C	Systems, Track & Surface Station Design	\$17.23	30%	\$15.48	25.7%	\$5.17	\$3.98	30.0%
Subtotal Professional Services				\$164.48		\$150.67		\$48.66	\$46.76	
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	\$20.79	20%	\$20.79	87.4%	\$4.16	\$18.18	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	\$47.40	20%	\$665.60	21.1%	\$169.48	\$140.33	25.5%
Subtotal Construction Contracts				\$1,120.79		\$938.98		\$191.08	\$184.66	
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.

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").

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

- c) Column G, the Contractor's SBE Goal in the submitted bid, is background information that is not calculated in the table. The table source of the Contractor's SBE Goals is from the SFMTA Contract Compliance Office. A Contractor's SBE goal in the bid is one source used by SFMTA Contract Compliance to assess and propose the Agency's SBE goal for a contract.
- d) The three constructions contracts shown in **bold type, 1250, 1251 and 1277**, with gray background, are completed contracts. Little to no changes will be shown in future reports.
- e) The SBE Hill International Actual to Date SBE participation is 27.5% 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 #60, December 2018, 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: 12/31/2018

Contract:	Project Management and Construction management	
Contract No.	CS-149 Central Subway Partnership*	
Status:	On-going	
	Base Contract Value	\$85,139,092
	Approved Change Orders	-0-
	Current Contract Value	\$85,139,092
	Expended to Date (est.)	74,961,669
	% Expended	88.0%
	SBE SFMTA Goal	30.0%
	SBE Participation	32.4%

Contract:	Project Controls Cost and Schedule Support	
Contract No.	CS 156 Hill International Task 1*	
Status:	On-going	
	Base Contract Value	\$17,112,873
	Approved Change Orders	-0-
	Current Contract Value	\$17,112,873
	Expended to Date (est.)	\$10,081,993
	% Expended	58.9%
	SBE SFMTA Goal	26.0%
	SBE Participation	27.5%

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.)	\$42,249,592
	% Expended	88.2%
	SBE SFMTA Goal	30.0%
	SBE Participation	31.6%

Contract:	DP 3 Systems, Track work, Surface station.	
Contract No.	CS-155-3 HNTB-B&C*	
Status:	Design is completed. Construction support ongoing	
	Base Contract Value	\$16,864,250
	Approved Change Orders (6)	\$1,637,474
	Current Contract Value	\$18,501,724
	Expended to Date (est.)	15,475,522
	% Expended	83.6%
	SBE SFMTA Goal	30.0%
	SBE Participation	25.7%

* denote accrual

Active and Completed Construction Contracts - SBE Participation Details

Data as of: 12/31/2018	
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
Current Contract Value	\$648,976
Expended to Date (est.)	\$648,976
% Expended	100.00%
SBE SFMTA Goal	100.0%
SBE Participation To Date	100.0%
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	\$0
Contract:	Stations and Systems / Tutor Perini
Contract No.	1300
Status:	Contract is completed and closed out
Base Contract Value	\$839,676,400
Approved Change Orders	\$15,218,064
Current Contract Value	\$854,894,464
Expended to Date (est.)	\$665,596,268
% Expended	77.9%
SBE SFMTA Goal	20.0%
SBE Participation To Date	21.1%

Photos on the next page:

(top to bottom) December 2018: At Chinatown Station, the inner structural shell of the platform and track crossover caverns has largely been completed. The station platform has been completed, and interior walls and other structural elements continue to be installed at Union Square/Market Street Station. At Yerba Buena/Moscone station, Concourse-level work inside the station box has progressed to allow the installation of public art along the interior walls. Sections of rail and track plinths continued to be installed, as well as the tunnels' emergency egress walks and utility struts at Surface, Track, and Systems.

central subway

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