

Transmittal

CS Transmittal No. 2510

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90 Seventh Street, Suite 15-300
San Francisco, CA 94103-6701
Date: January 25, 2018


From: John Funghi
Project No./Contract No.: M544.1, CSP
Task No./Title: Cost/Schedule Management
Project Phase: Construction
Subject: Monthly Progress Report December 2017

Sent via:	<input type="checkbox"/> mail	<input type="checkbox"/> overnight	<input type="checkbox"/> messenger	<input type="checkbox"/> hand-delivered
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Item No.	Copies	Description	Rev. No.	Date
1	1	Monthly Progress Report (December 2017)	0	1/25/2018

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

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


John Funghi
Program Director
JOF: dl

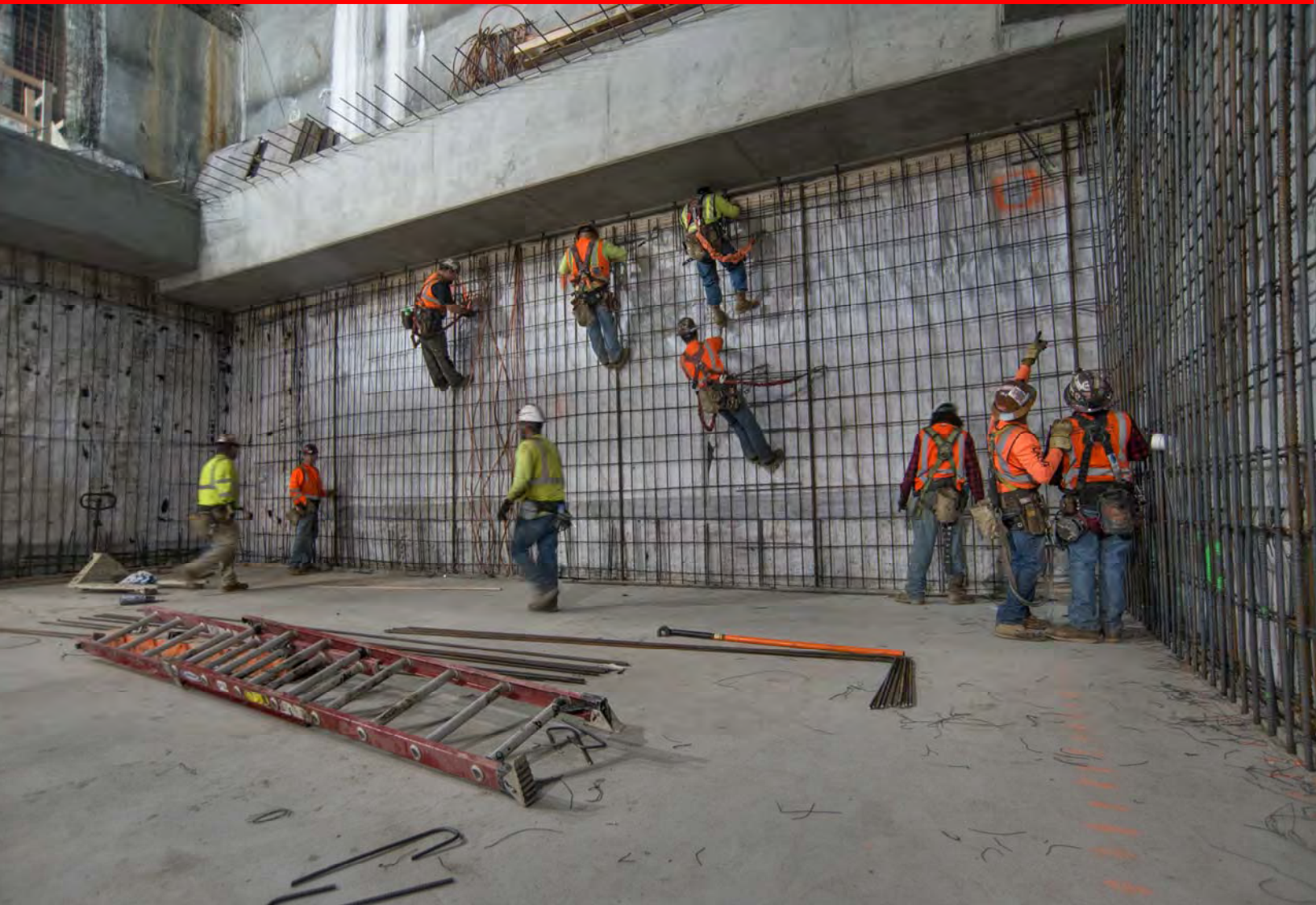
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central subway

Building out UMS

Internal walls, columns, and floors are being built on multiple levels inside the Union Square/Market Street Station.



Progress Report

December 2017



SFMTA
Municipal
Transportation
Agency

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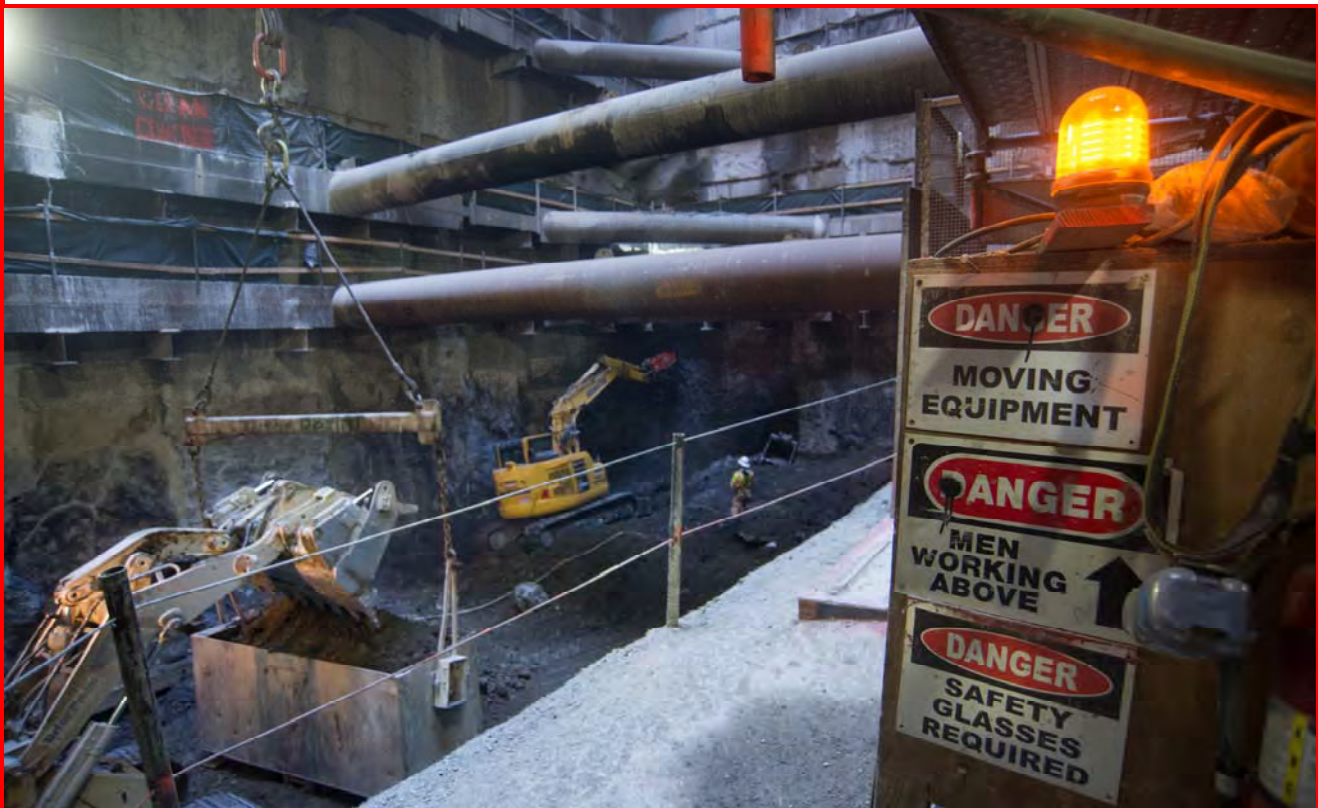
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Cover photo: A team of workers inside the lower level of the north concourse are constructing rebar cages which will become the finished interior walls. Vinyl sheeting has previously been installed as part of waterproofing, which will be covered by the finished walls and columns. **More photos can be found starting on page 37.**

Above photos: An amber light flashes indicating the steel bucket used for lifting excavated material to the surface is being lowered, raised, or utilized inside the main access shaft of the Chinatown station headhouse. Crews have recently resumed excavation inside the headhouse, making two large pushes down to what will eventually be the invert slab for that structure.

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.centraSubwaysf.com/>



New art has been installed by the SF Arts Commission on the safety scaffolding adjacent to the Chinatown Station worksite.

Executive Summary

Chinatown Station - Completed excavation and support for Platform Cavern North (PCN) ; removed top half of temporary sidewalls. Completed on Cross Over Cavern (COC) Right Side Drift. 70% completed COC Center Drift (top heading, bench, invert). Continued street work (minor), ongoing monitoring and surveying. 85% completed barrel vault installation for COC (Reach 6 of 7). Excavated and installed Level 6 Walers and Struts. Began excavation and installation of Level 7 Walers and Struts. Continued compensation grouting.

Union Square/Market Street Station - Platform Station: Continued construction of wale encasements and placement of the metal deck at Platform and Mezzanine levels. Continued installation of “Scalloped Walls” at Platform Level. Emergency exit stairs 3 and 4: Continued F/R/P for walls, stairs, and landings. North Concourse: Commenced F/R/P of maintenance and ventilation shaft walls and continued construction on wale encasement, shotcrete walls, and metal deck at Fan level. Commenced rough-in for elevators, escalators, and fire sprinklers. South Concourse: Continued escalator ramp walls and slab transition. Ellis Street: Continued pavement restoration work at Ellis Street. Stockton Street: Implemented 2017 Holiday Moratorium Winter Walk.

Yerba Buena/Moscone Station - Continued to replace the force main and AWSS at 4th & Howard. Continued to investigate utility conflicts for 36” force main at Howard. Began F/R/P of Stair 4 stairs and walls. 80% completed on electrical rough-in on Mezzanine—Station box. Poured Middle Section East Side topping slab, Mezzanine—Station box. 60% completed on electrical rough-in on Concourse—Station Box. Poured Stair 1 Walls. Poured North End of Platform at Headwall. Began F/R/P of Stair 2. Began installing Elevators 1 and 2 Hoist Beams. Delivered Escalators 1 and 2 to project area. Continued rough-in fire sprinkler, began installing hangers, piping, FM-200 piping (Headhouse Invert). 25% completed on electrical rough-in on Headhouse-Invert Walls. Continued F/R/P Headhouse-Concourse columns. Poured F/R/P Headhouse-Mezzanine deck.

Surface, Track and Systems— Continued 18”AWSS installation on 4th/Brannan intersection. Continued OCS pole installation. Completed track work between Townsend and Bluxome. Started 4th/Brannan surface station pile caps. Continued track plinth construction and track installation inside tunnels.

Tunnel - Contract administrative closeout is ongoing.

Total project costs to date are \$1,164.26 million, an increase of \$13.02 million over last month. The total cost to date equals 73.77% 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 shows no 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 33.

Key Milestones

Resuming excavation inside the Chinatown Station headhouse

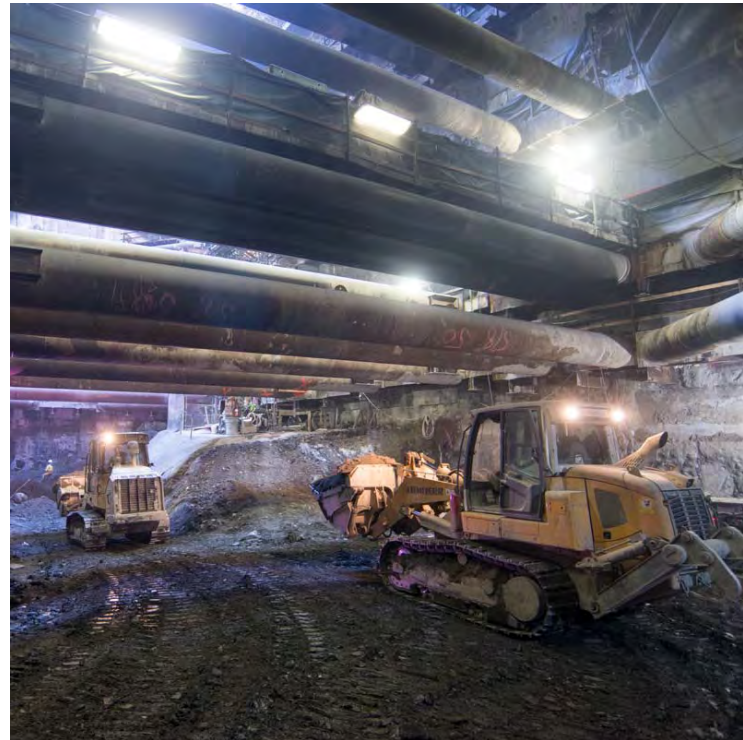


1 An initial level of excavation is conducted and equipment reorganized

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	February 28, 2018



2 Temporary bracing is installed to prepare for the next push of excavation



3 Bulldozers and excavators quickly remove material

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 \$1,164.26 million, a \$13.02 million increase over last month. The cost to date figure reflects expenditures through FAMIS 786 Report (\$1,109.69 million) plus the utilities joint trench Form B Reimbursement payment (\$11.27 million), invoices currently being processed (\$38.57 million) and estimates of outstanding pay requests (\$4.76 million). This incurred amount equals 73.77% of the total project budget of \$1.578 billion.

The current funding level to date is \$1,479.79 million. This represents 94% of the total project budget.

Earned Value Analysis

In December 2017 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:	\$1,472,547,435
Earned Value:	\$1,167,831,547
Actual Cost:	\$1,164,264,554
Schedule Performance Index (SPI):	0.79
Cost Performance Index (CPI):	1.00
Percent Complete:	73.9%

*December 2017 Notice: The City continues to transition from FAMIS to Financial System Project (FSP). During the transition, we are unable to provide accurate financial updates. Once FSP is updated and validated, we will reconcile our reports accordingly. We will be projecting current expenditures and anticipate the reconciled updates will be available early next year.

Please note that we continue to experience problems that are being caused by error and inaccuracy from the transition. The sources of error include errors resulting from mapping index codes in the old FAMIS system to translating chartfield accounts in the new Financial System Project as well as errors arising through processing such as abatements and adjustments being assigned to the incorrect account. 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

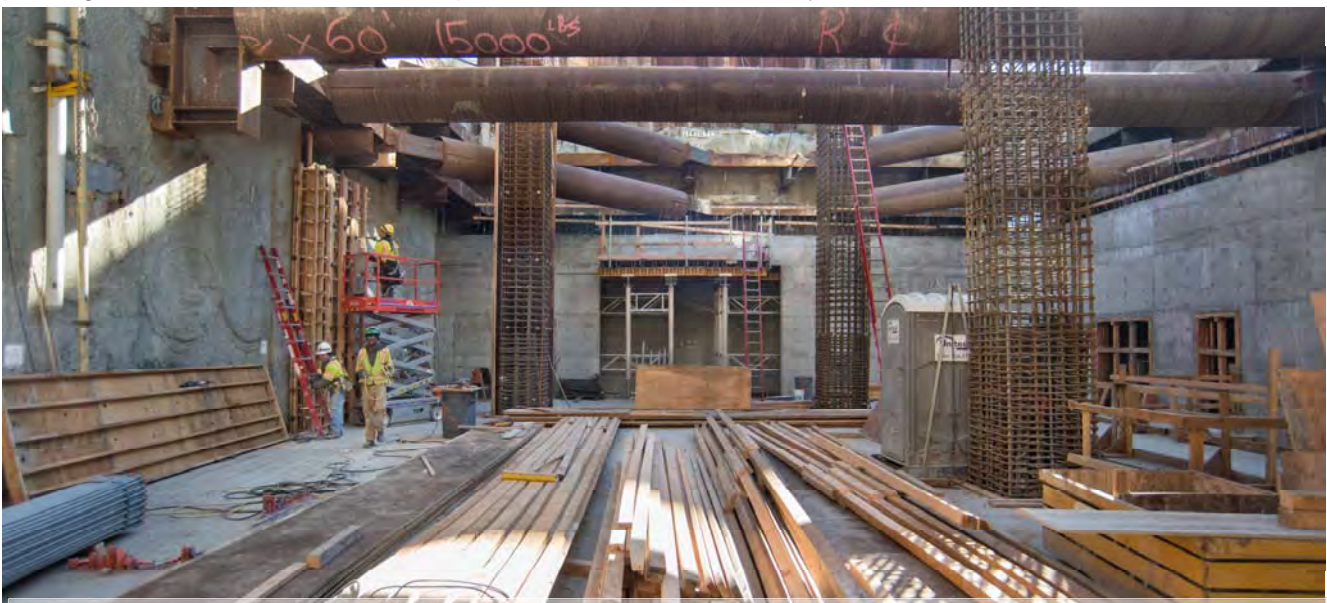
The Master Project Schedule (MPS) below includes progress through December 2017. The December 2017 Schedule Update submittal from Contract 1300 Contractor was not submitted as the CN1300 Contractor has not provided the updated corrections to their June, through September 2017 Schedule Updates. The Contract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

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

The controlling critical (longest) path of the MPS runs through CTS Excavation succeeded by Head-house Concrete work, 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. A schedule re-evaluation will be performed, utilizing the updated Contract 1300 Schedule. Recovery options are being implemented in key areas as work proceeds. SFMTA continues to meet with Contractor to discuss all schedule concerns and comments. Excavation and Support of the Top Center Drift, Center Bench and Invert Steps of the South Platform Cavern continues. Despite expected ground conditions as described in the GBR, TPC's mining productivity has not been as planned. In an effort to recover some lost time, the Engineer of Record authorized a change of working sequence allowing TPC to perform South Drift excavation of the Crossover prior to completing the South Platform Cavern excavation. These changes allowed Contract 1300 Schedule to maintain the current forecasted Revenue Service Date of December 2019 for the sixth month without additional delay.

Contract 1300 Contractor submitted thirty six (36) Schedule Updates from December 2014 to November 2017. SFMTA rejected twenty (20) Schedule Updates from January 2016 to April 2016 and June 2016 to September 2017 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 Contractors review of options for schedule recovery.



Lumber to be used in constructing concrete forms is stacked near workers inside the Yerba Buena/ Moscone Station headhouse.

Schedule Highlights - Continued

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 December 2017 schedule is used within the December Report. The SFMTA Contract 1300 December 2017 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.

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

- Completed excavation and support for Platform Cavern North (PCN); removed top half of temporary sidewalls
- Completed on Cross Over Cavern (COC) Right Side Drift
- 70% completed COC Center Drift (top heading, bench, invert)
- Continued street work (minor), ongoing monitoring and surveying
- 85% completed barrel vault installation for COC (through Reach 6 of 7)
- Excavated and installed Level 6 Wales and Struts
- Began excavation and installation of Level 7 Wales and Struts
- Continued compensation grouting

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

- Platform Station: Continued construction of wale encasements and placement of the metal deck at Platform and Mezzanine levels. Continued installation of "Scalloped Walls" at Platform level
- Emergency exit stairs 3 and 4: Continued F/R/P for walls, stairs, and landings
- North Concourse: Commenced F/R/P of maintenance and ventilation shaft walls and continued construction on wale encasement, shotcrete walls and metal deck at Fan Level. Commenced rough in for elevators, escalators and fire sprinklers
- South Concourse: Continued escalator ramp walls and slab transition
- Ellis Street: Continued pavement restoration work at Ellis Street
- Stockton Street: Implemented 2017 Holiday Moratorium Winter Walk

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

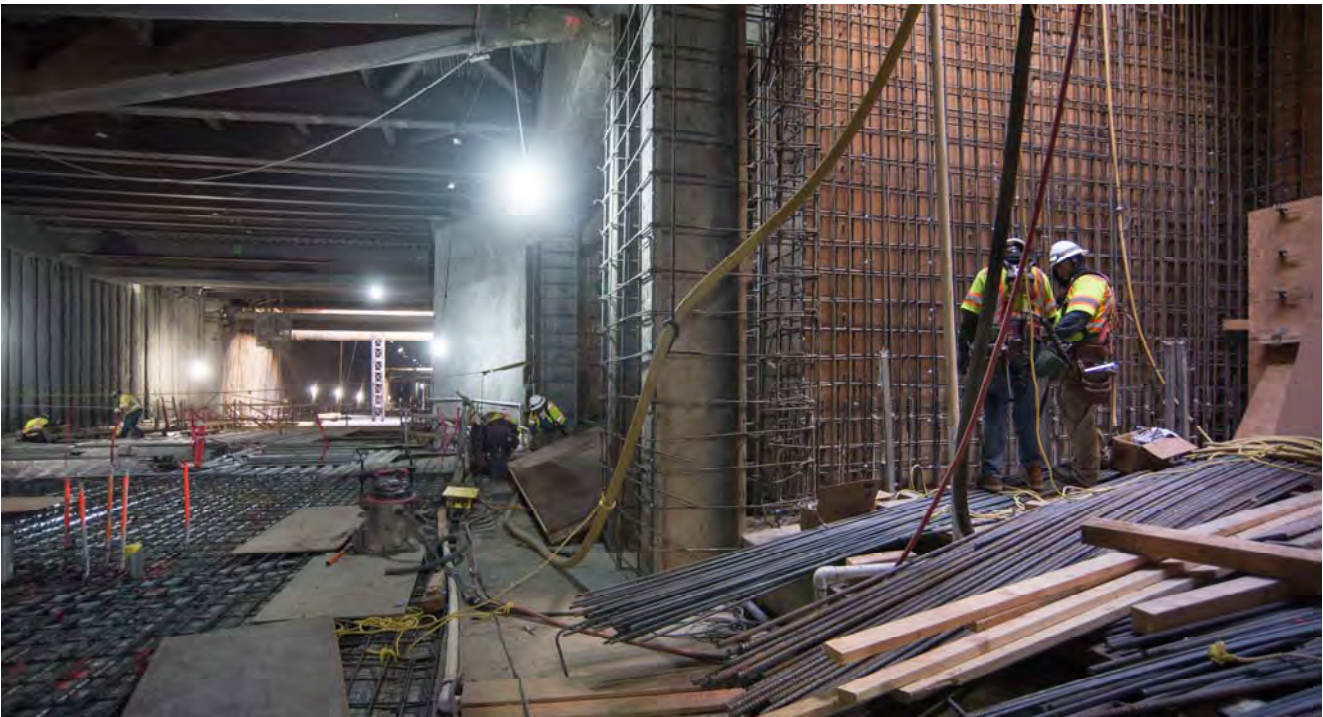
- Continued to replace the force main and AWSS at 4th & Howard
- Continued to investigate utility conflicts for 36" force main at Howard
- Began F/R/P of Stair 4 stairs and walls
- 80% completed on electrical rough-in on Mezzanine – Station box
- 60% completed on electrical rough-in on Concourse – Station box

Schedule Highlights - Continued

- Poured Stair 1 Walls
- Poured North End of Platform at Headwall
- Began F/R/P of Stair 2
- Began installing Elevators 1 and 2 Hoist Beams
- Delivered Escalators 1 and 2 to project area
- Continued rough-in fire sprinkler, began installing hangers, piping, FM-200 piping (Headhouse Invert)
- 25% completed on electrical rough-in on Headhouse-Invert Walls
- Continued F/R/P Headhouse-Concourse columns
- Poured F/R/P Headhouse-Mezzanine deck

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

- Continued 18" AWSS installation on 4th/Brannan intersection
- Continued OCS pole installation
- Completed track work between Townsend and Bluxome
- Started 4th/Brannan surface station pile caps
- Continued track plinth construction and track installation inside tunnels



Rebar cages are being constructed to reinforce future interior walls and floor panels inside the north concourse, where the station meets the edge of the Union Square Garage.

Master Project Schedule

Activity ID	Activity Name	Original Duration	Start	Finish	2015				2016				2017			
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
CENTRAL SUBWAY PROJECT																
Program Level Milestones																
PJ01000	Central Subway Project Start	0	05/03/03 A	12/14/21												
MS 0004A	Tunnel Excavation Complete - Project Milestone #4A	0	05/03/03 A	12/14/21												
MS 0009	Baseline Finish Date: 12-25-2018	0	12/10/19*													
MS 0009	CSP Revenue Services Date	0	12/10/19*													
MS 0010	Grant Closeout - CSP Complete	0	12/14/21													
Preliminary Engineering Phase																
Final Design		2651	05/03/03 A	01/07/10 A												
Light Rail Vehicles		1811	01/08/10 A	05/17/13 A												
Real Estate		2337	04/15/13 A	09/27/15												
Construction Phase		3126	08/01/08 A	12/25/17												
Construction Support and Costs		2743	01/04/10 A	07/13/20												
Construction Utility Contract #1 - MOS & Portal CN-1250		3198	01/04/10 A	07/12/20												
Construction Utility Contract #2 - UMS CN-1251		505	01/04/10 A	05/23/11 A												
Construction Tunnels CN-1252		643	01/12/11 A	10/15/12 A												
Construction CN-1300		1518	05/08/11 A	12/28/17												
CN-1300 Milestone		1704	05/03/13 A	11/30/13												
Construction UMS Station P-1253		1683	06/17/13 A	11/09/15												
Construction CTS Station P-1254R		1704	06/17/13 A	06/27/15												
Construction YBM Station P-1255		1683	06/17/13 A	11/29/15												
Construction STS P-1256		1651	06/10/13 A	06/27/15												
Project Start Up		1626	06/03/13 A	09/11/19												
STU010	S&S Certification / Pre-Revenue Activities	167	06/26/19	12/10/19												
BUF0018	Muni Float	115	06/26/19	12/10/19												
Unallocated Contingency		0	12/10/19	12/10/19												
COI.700	Cost Activity Unallocated Contingency (LOE) - 1.7.500.99.050.00 - Contingency	453	12/25/17	12/10/19												
Project Management		505	12/10/19	12/14/21												
STU1040	After Study	505	12/10/19	12/14/21												



An excavator fitted with a jackhammer removes unneeded concrete from the base of the headhouse slurry walls following the resumption of excavation work, there.

Contracts & Construction

Construction Contracts In Progress

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

- Contractor: Tutor - Perini Corporation
- Amount: \$847.80 million
- Contract Status: 66.26 % 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

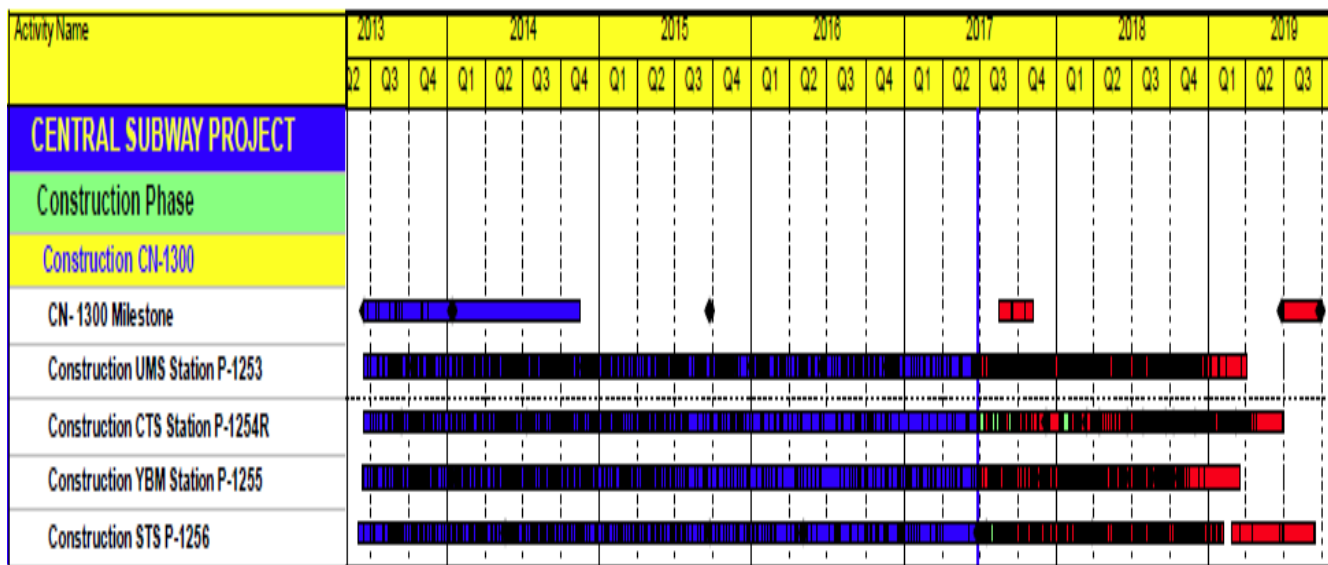
The Contract 1300 scope is to construct the Central Subway's three subway stations, one surface station, construct the 2,000 feet of surface track, and install track and operating systems throughout the new alignment. The separate station and systems work packages are presented in the following pages.

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:	February 28, 2018
Contract Award Value:	\$839,676,400
Modifications to Date (\$):	\$8,121,714
Modifications to Date (Days):	18
Current Contract Value:	\$847,798,114

Budget/Expenditures▲	
Current Budget	\$879,676,400
Other Project Offset Credits	\$3,123,097
Expenditures to Date	\$572,077,488

1300 Summary Schedule



Chinatown Station

Contract 1300 - Work Package 1254R



Current Work Status

- Completed excavation and support for Platform Cavern North (PCN); removed top half of temporary sidewalls
- Completed on Cross Over Cavern (COC) Right Side Drift
- 70% completed COC Center Drift (top heading, bench, invert)
- Continued street work (minor), ongoing monitoring and surveying
- 85% completed barrel vault installation for COC (through Reach 6 of 7)
- Excavated and installed Level 6 Walers and Struts
- Began excavation and installation of Level 7 Walers and Struts
- Continued compensation grouting

Work Expected Next Month

- Continue smoothing layer of shotcrete for Platform Cavern North and Platform Cavern South (PCS), Cross Over Cavern Center Drift, and Cross Over Cavern Side Drifts
- Cross Over Cavern – continue and complete Center Drift Excavation (top heading, bench, and invert)
- Complete compensation grouting
- Complete, excavate, and install Level 7 Walers and Struts

Description of Work

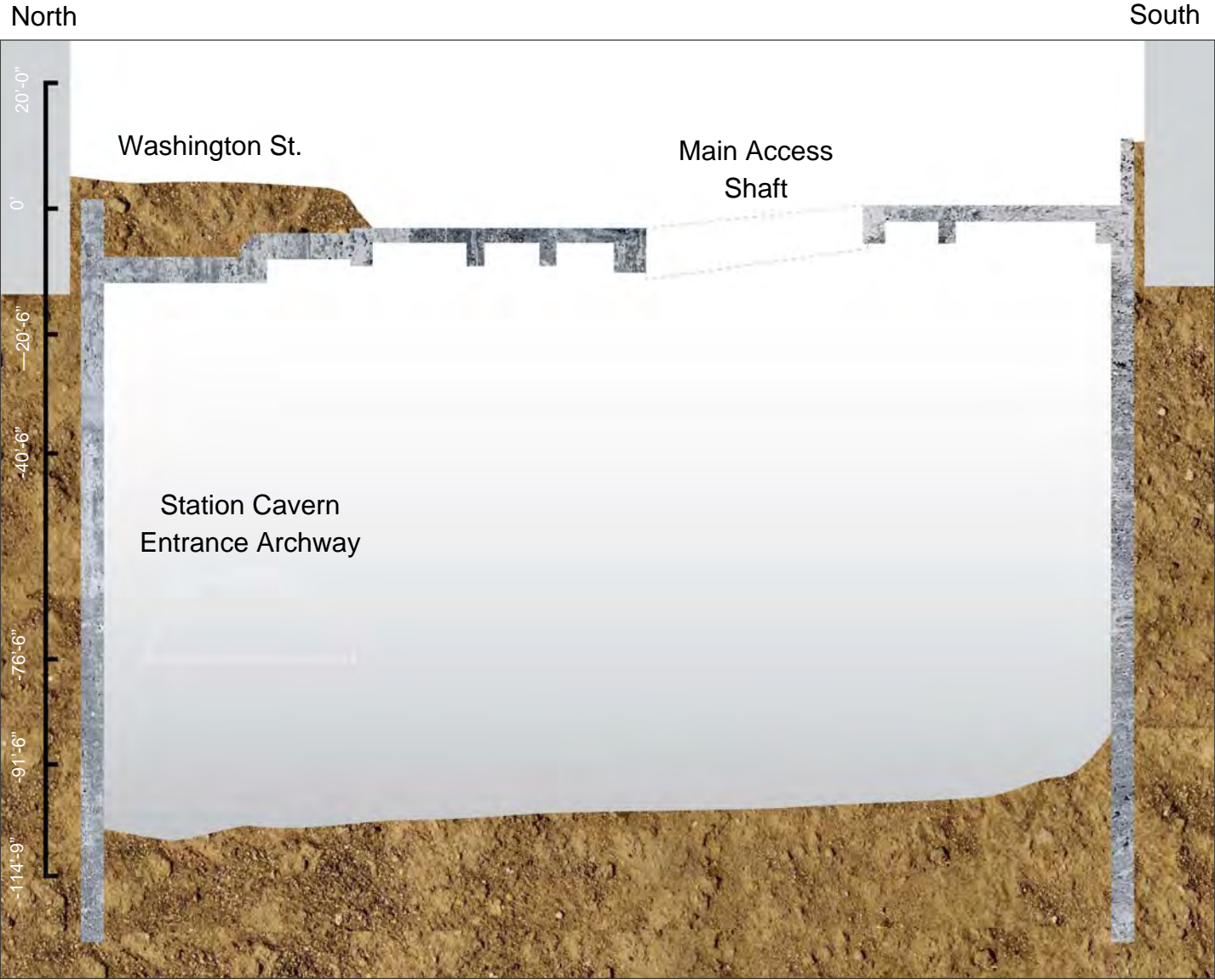
This Work Package is to construct one subway station. Includes station finishes, AC and DC Traction Power substations elevators, escalators, lighting, emergency ventilation fans, HVAC fire alarm/ suppression/ protection, slurry wall top-down construction, settlement monitoring, building protection, PA,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



Three Month Look Ahead

- Head house: Provide logistic support area for tunnel excavation
- Complete excavation of Headhouse; prepare and pour Invert Slab to Headhouse
- Complete Cross Over Cavern Center Drift (top heading, bench, and invert)
- Complete removal of all excavated material from Platform and Cross Over Caverns
- Complete removal of temporary shotcrete arches (interior)
- Continue with placing smoothing layer of shotcrete for CCC, PCS and COC
- Begin Final Lining: complete smoothing, install geofabric, waterproofing, rebar, formwork, and concrete

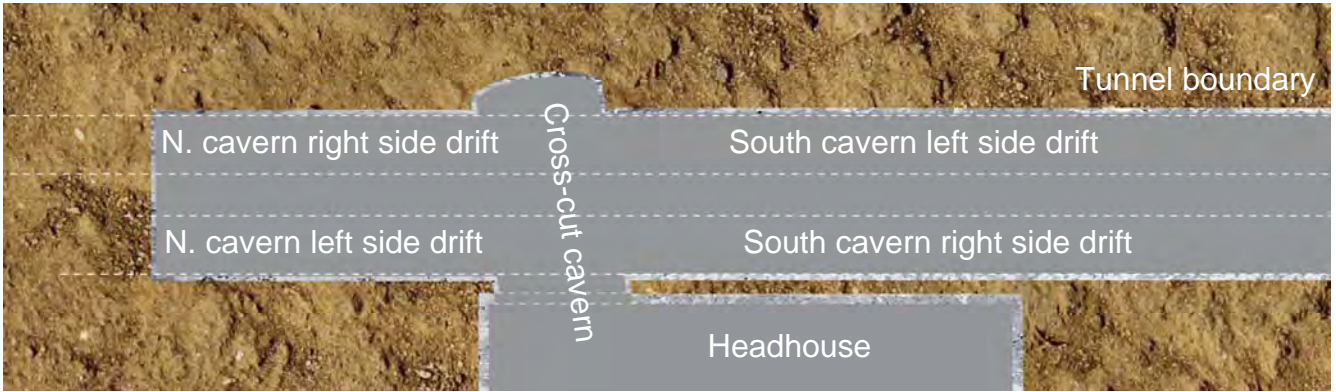
Station Excavation and Construction Progress Section



Station Cavern Excavation Progress Plan and Section

North

South



Continued below



Continued from above



Continued below



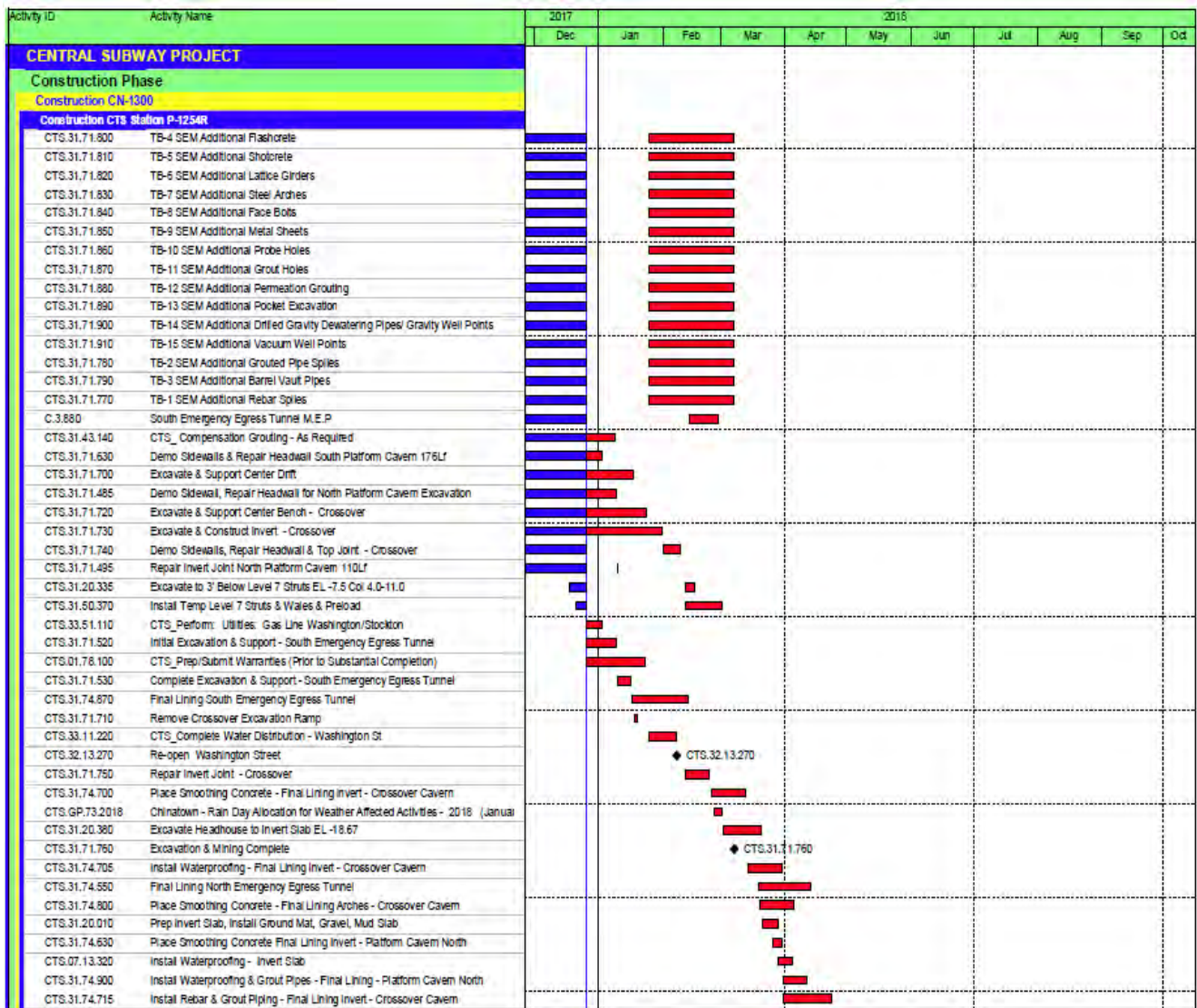
Continued from above

Chinatown Station Construction Status - Continued

Contract Details	
Contract Awarded:	May 21, 2013
Notice to Proceed:	June 17, 2013
Substantial Completion:	February 28, 2018
Contract Award Value:	\$247,567,810
Modifications to Date (\$):	\$2,964,460
Modifications to Date (Days):	18
Current Contract Value:	\$250,532,270

Budget/Expenditures ▾	
Current Budget	\$257,567,810
Other Project Offset Credits	\$75,000
Expenditures to Date	\$165,664,218

CTS Three Month Schedule



Union Square/Market Street Station

Contract 1300 Work Package 1253

Description of Work

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

Current Status This Month

- Platform Station: Continued construction of wale encasements and placement of the metal deck at Platform and Mezzanine levels. Continued installation of 'Scalloped Walls' at Platform Level
- Emergency exit stairs 3 and 4: Continued F/R/P for walls, stairs, and landings
- North Concourse: Commenced F/R/P of maintenance and ventilation shaft walls and continued construction on wale encasement, shotcrete walls, and metal deck at Fan Level. Commenced rough-in for elevators, escalators, and fire sprinklers
- South Concourse: Continued escalator ramp walls and slab transition
- Ellis Street: Continued pavement restoration work at Ellis Street
- Stockton Street: Implemented 2017 Holiday Moratorium Winter Walk

Work Expected Next Month

- Platform Station: Continue construction of wale encasements at Concourse Levels. Continue scallop wall constructions at Platform level. Continued deck installation at Mezzanine Level
- Emergency exit stairs 3 and 4: Complete structural work including surface restoration and utilities
- North Concourse: Continue structural work at Fan level and Concourse level
- South Concourse: Remove shoring and



formwork in preparation for South Escalator construction

- Ellis Street: Complete sidewalks at intersection of Stockton Street
- Stockton Street at Market Street: Dismantling of 2017 Holiday Moratorium Winter Walk. Complete sidewalks and crosswalks

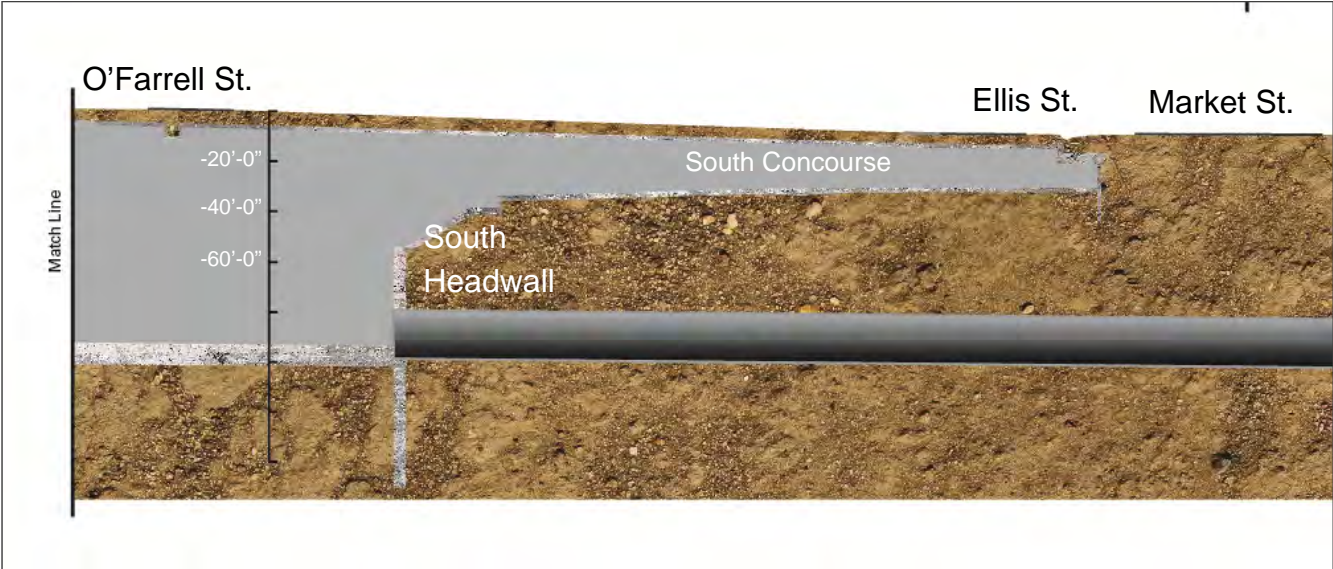
Three Month Look Ahead

- Platform Station: Complete construction of wale encasements at Platform, Mezzanine, and Concourse levels. Complete scallop wall constructions at Platform Level. Complete upper level deck installation
- North Concourse: Complete concourse level slabs
- South Concourse: Complete South Escalator construction
- North Entrance: Complete construction of planters at street level, complete secondary steel to north entrance structure

Station Excavation and Construction Progress Section

North

South

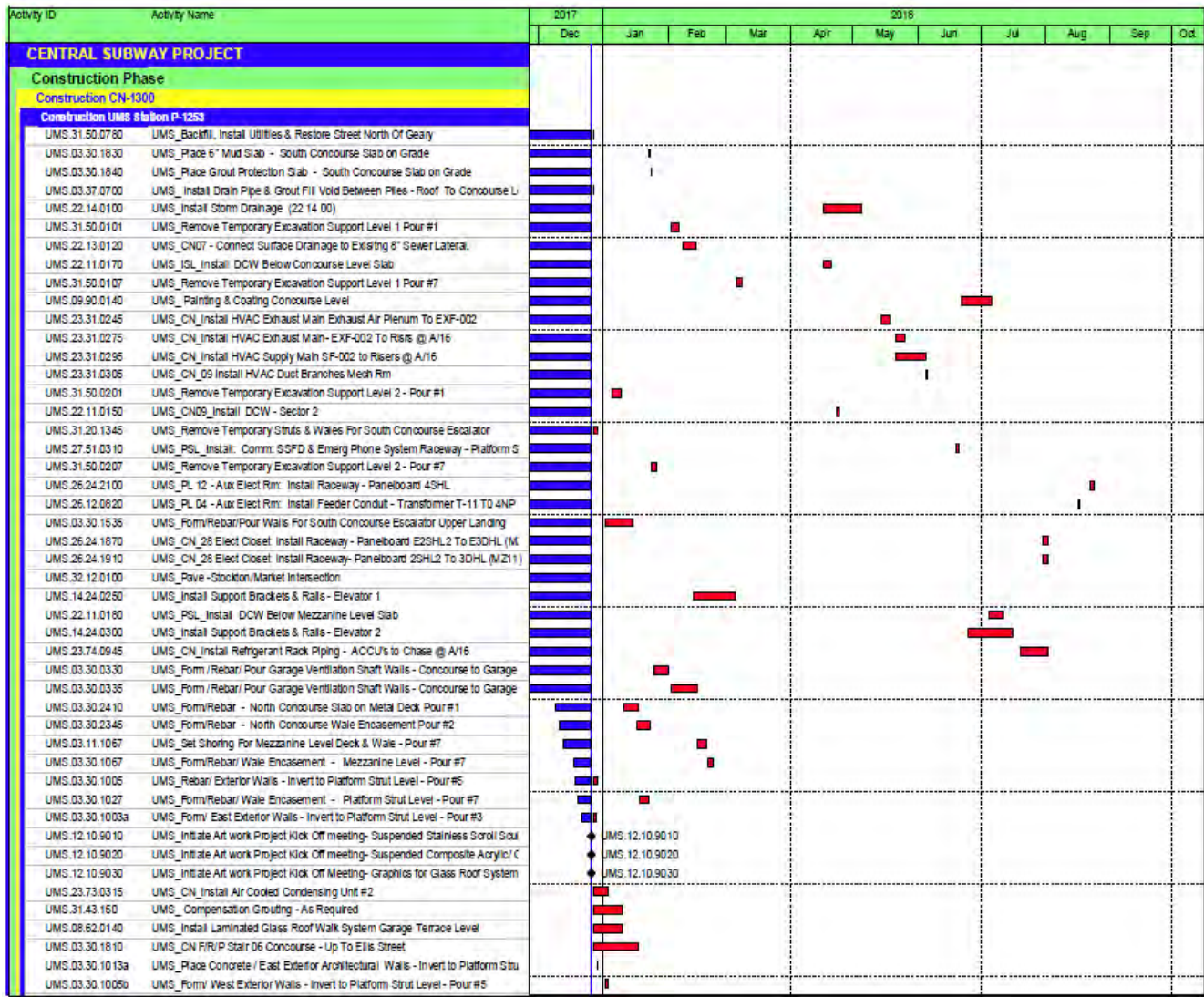


Union Square Market Street Station Construction - Continued

Contract Details	
Contract Awarded:	May 21, 2013
Notice to Proceed:	June 17, 2013
Substantial Completion:	February 28, 2018
Contract Award Value:	\$294,030,590
Modifications to Date (\$):	\$2,748,442
Modifications to Date (Days):	18
Current Contract Value:	\$296,779,032

Budget/Expenditures ▲	
Current Budget	\$314,030,590
Expenditures to Date	\$220,797,297

UMS Three Month Schedule



Yerba Buena/Moscone Station

Contract 1300 - Work Package 1255

Description of Work

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

Current Status

- Continued to replace the force main and AWSS at 4th & Howard
- Continued to investigate utility conflicts for 36" force main at Howard
- Began F/R/P of Stair 4 stairs and walls
- 80% completed on electrical rough-in on Mezzanine – Station box
- 60% completed on electrical rough-in on Concourse – Station box
- Poured Stair 1 Walls
- Poured North End of Platform at Headwall
- Began F/R/P of Stair 2
- Began installing Elevators 1 and 2 Hoist Beams
- Delivered Escalators 1 and 2 to project area
- Continued rough-in fire sprinkler, began installing hangers, piping, FM-200 piping (Headhouse Invert)
- 25% completed on electrical rough-in on Headhouse-Invert
- Continued F/R/P Headhouse-Concourse walls
- Poured F/R/P Headhouse-Mezzanine deck



- Install street lights at 4th and Clementina
- Install new FH at 4th and Folsom
- Continue F/R/P of Stair 4 stairs and walls
- Place PG&E and AT&T utilities in Stair 4 area per PCC 159
- Complete electrical on Mezzanine – Station Box
- Pour South end West Side topping slab, Mezzanine – Station box
- Continue electrical rough-in on Concourse, pour Station Concourse topping slab
- Complete installing Pyrok, Platform level
- Complete F/R/P Stair 2 (Station Platform)
- Install Elevators 1 and 2 (Station Platform)
- Install Escalators 1 and 2 (Station Platform)
- Continue Rough-in Fire Sprinkler (Headhouse Invert)

Work Expected Next Month

- Continue utility work at intersection of 4th & Folsom and 4th & Howard

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.

Work Expected Next Month (continued)

- Pour Headhouse Invert topping slab
- Complete F/R/P Headhouse-Concourse columns
- Install Stairs 5 and 6

Three Month Look Ahead

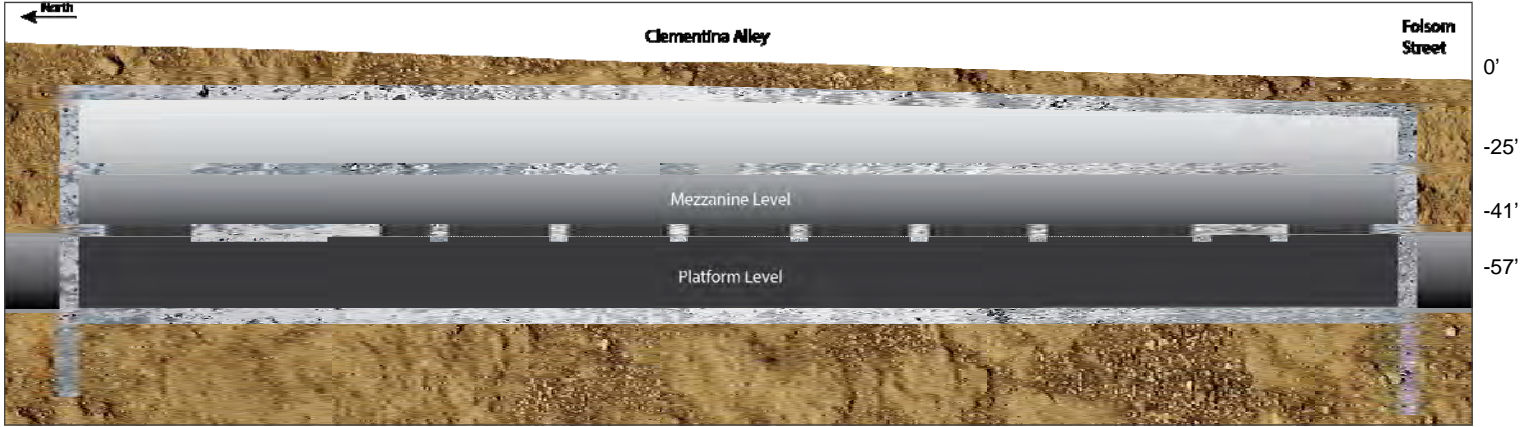
- Start AT&T and PG&E contract work on Folsom
- Continue interior finishes on Mezzanine & Concourse Levels within Station Box
- Continue placement of stairs within Station and Headhouse
- Begin installation of station power electrical vaults on Folsom Street
- Place undersurface deck



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:	February 28, 2018
Contract Award Value:	\$158,089,000
Modifications to Date (\$):	\$309,825
Modifications to Date (Days):	18
Current Contract Value:	\$158,398,825

Budget/Expenditures ▲

Current Budget	\$163,089,000
Other Project Offset Credits	\$415,331
Expenditures to Date	\$116,354,407

YBM Three Month Schedule

Activity ID	Activity Name	2017											
		Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	
CENTRAL SUBWAY PROJECT													
Construction Phase													
Construction CN-1300													
Construction YBM Station P-1255													
Y.1.620	Open all Traffic- 4th Street				I								
YBM.07.80.120	Install Fire & Smoke Protection, Mineral Wool, Mezzanine Level (07 80 00)			■									
YBM.26.05.1075	YBM_PL 207 - Aux Elect Rm: Install - System Ground Bus												
YBM.26.05.1085	YBM_MZ 301 - Aux Elect Rm: Install - System Ground Bus												
YBM.26.05.1095	YBM_CN 320 - Aux Elect Rm: Install - System Ground Bus												
YBM.26.05.1065	YBM_PL 106 - Aux Elect Rm: Install - System Ground Bus												
YBM.05.12.105	Erect/ Plumb/ Weld Structure Steel, Headhouse/ Vent Shaft Structure												
YBM.21.13.315	YBM_MZ Install Fire Protection System Branches & FHC's - Mezzanine Sector 1												
YBM.21.13.335	YBM_MZ Install Fire Protection System Branches, FHC's - Mezzanine Sector 2												
YBM.07.80.110	Install Fire & Smoke Protection, Mineral Wool, Concourse Level (07 80 00)												
YBM.26.11.0940	YBM_JV301 - Main Elect Rm Install Riser Conduit In Chase To Mezz Mech Rm												
YBM.22.14.190	YBM_CN Install Domestic Water- Concourse Sector 1												
YBM.22.14.200	YBM_CN Install Domestic Water- Concourse Sector 2												
YBM.21.13.395	YBM_CN Install Fire Protection System Branches, Drops & FHC's -Concourse												
YBM.21.13.415	YBM_CN Install Fire Protection System Branches, Drops & FHC's -Concourse												
YBM.05.52.480	Install Stair #4 Rails from Platform to Mezz Level												
YBM.21.13.455	YBM_PL Install Fire Protection System Branches & Drops -Above Platform Sect												
YBM.21.13.475	YBM_PL Install Fire Protection System Branches & Drops -Above Platform Sect												
YBM.21.13.495	YBM_PL Install Fire Protection Deluge Mains - Under Platform Sector 1												
YBM.21.13.505	YBM_PL Install Fire Protection Deluge Mains - Under Platform Sector 2												
YBM.26.24.1160	YBM_PL 106 - Aux Elect Rm: Install Raowey - Panelboard LCP-1N (Lighting C												
YBM.26.24.1330	YBM_PL 207 - Aux Elect Rm: Install - Panelboard 1SHL (NB/ISB Tunnel Lighting												
YBM.26.24.1390	YBM_PL 207 - Aux Elect Rm: Install Raowey - Panelboard E1SHL												
YBM.26.24.1050	YBM_PL 106 - Aux Elect Rm: Install Raowey - Panelboard 1NHL (Public Light												
YBM.23.88.280	YBM_MZ_202 - Plenum#1: Install -Tunnel Ventilation Dampers TD-23 & 24												
YBM.26.24.1090	YBM_PL 106 - Aux Elect Rm: Install Raowey - Panelboard E1NHL												
YBM.23.88.290	YBM_MZ_202 - Plenum#1: Install -Tunnel Ventilation Dampers SD-01A & 01B												
YBM.23.88.300	YBM_MZ_202 - Plenum#1: Install -Tunnel Ventilation Dampers TD-21 & 22												
YBM.26.24.1300	YBM_PL 207 - Aux Elect Rm: Install Raowey - Panelboard 1SP1 (Receptacle)												
YBM.26.24.1340	YBM_PL 207 - Aux Elect Rm: Install Raowey - Panelboard 1SHP												
YBM.26.24.1420	YBM_PL 207 - Aux Elect Rm: Install Raowey - Panelboard LCP-1S												
YBM.26.24.1030	YBM_PL 106 - Aux Elect Rm: Install Raowey - Panelboard 1NP												
YBM.26.24.1200	YBM_PL 106 - Aux Elect Rm: Install Raowey - Panelboard E1NP (Receptacle)												
YBM.26.24.1230	YBM_PL 106 - Aux Elect Rm: Install Raowey - Panelboard 1NHP												
YBM.26.24.1120	YBM_PL 207 - Aux Elect Rm: Install Raowey - Panelboard E1SP												
YBM.26.56.190	YBM Install: Elect: Roadway Lighting (26 56 19)												
YBM.21.12.425	YBM_JV Install Fire Suppression System DSP & TSP Mains Under Platform Sec												
YBM.26.24.1440	YBM_MZ 301 - Aux Elect Rm: Install - Emergency Ventilation Panel												
YBM.03.30.1160	F/R/P Concourse Level Columns												
YBM.21.12.415	YBM_JV Install Fire Suppression System DSP & TSP Mains Under Platform Sec												
YBM.03.30.630	FRP Stair #4 Invert from Mezz to Surface Level												
YBM.03.53.110	2" Max Concrete Topping Slab, Mezz Level Plenum 1												
YBM.03.30.1450	FRP Stair #2 from Platform to Concourse Level												
YBM.03.30.590	Metal Deck/ Railing Stair #3 from Platform to Concourse Level												
YBM.03.53.120	2" Max Concrete Topping Slab, Concourse Level												
YBM.03.30.640	FRP Stair #4 Walls from Mezz to Surface Level												
YBM.26.11.1110	YBM_JV301 - Main Elect Rm: Install 5KV Switchgear - "SG-TV" (TV21-23 Fans)												

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 18" AWSS installation on 4th/Brannan intersection
- Continued OCS pole installation
- Completed track work between Townsend and Bluxome
- Started 4th/Brannan surface station pile caps
- Continued track plinth construction and track installation inside tunnels



Work Expected Next Month

- Complete 18" AWSS installation
- Complete MRY ductbank installation
- Continue OCS pole installation
- Continue pavement renovation at major intersections
- Continue track installation in tunnel
- Continue excavation for track slab at major intersections

Three Month Look Ahead

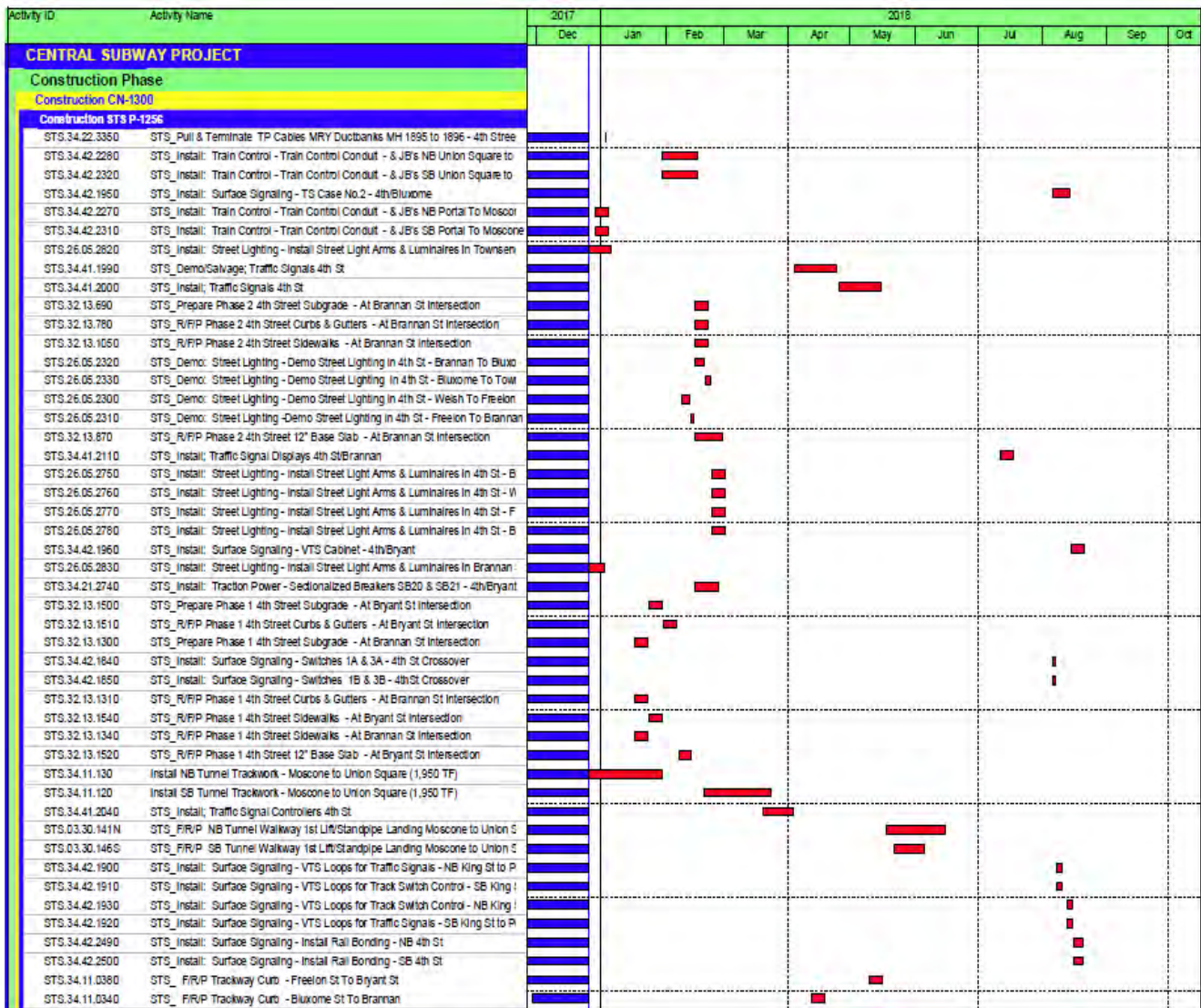
- Complete AWSS installation
- Complete MRY ductbank installation
- Complete OCS pole installation
- Complete pavement renovation at major intersections
- Continue excavation for track slab at major intersections
- Continue surface track installation
- Continue OCS installation
- Continue plinth construction and track installation inside tunnels

Systems, Trackwork, & Surface Station Construction - Continued

Contract Details	
Contract Awarded:	May 21, 2013
Notice to Proceed:	June 17, 2013
Substantial Completion:	February 28, 2018
Contract Award Value:	\$139,989,000
Modifications to Date (\$):	\$2,098,986
Modifications to Date (Days):	18
Current Contract Value:	\$142,087,986

Budget/Expenditures	
Current Budget	\$144,989,000
Other Project Offset Credits	\$2,632,766
Expenditures to Date	\$66,213,469

Systems, Track and Surface Station Three Month Schedule



Program Components

Community Outreach

Outreach public information, events and presentations for December 2017 include:

- Continued noise mitigation meetings with Tutor Perini and community stakeholder
- 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

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
12/5/2017	Central Subway Falling Further Behind	San Francisco Chronicle	Matier & Ross
12/7/2017	To Improve Transit Quality, 2 Supervisors Propose Breaking Up SFMTA	hoodline	Teresa Hammerl
12/11/2017	Caltrain selects Funghi to lead modernization program	RT&S	Kyra Senese
12/12/2017	Ed Lee leaves legacy as lawyer, activist, mayor	SF Bay	Jerold Chinn
12/16/2017	Warriors official: 'MSG will become the Chase Center of the East Coast'	The Mercury News	Mark Medina

Community Outreach (continued)

Media Coverage

12/17/2017	<u>Troubled SF Central Subway has a new problem: The boss quit</u>	San Francisco Chronicle	Matier & Ross
12/17/2017	<u>Lee's Legacy: San Francisco's first Chinese-American mayor paved the way for future generations</u>	SF Examiner	Joe Fitzgerald Rodriguez
12/18/2017	<u>Leader of Year Long Delayed Central Subway Project Departs to Caltrain</u>	SF Examiner	Joe Fitzgerald Rodriguez
12/28/2017	<u>New mural graces Chinatown subway build</u>	CURBED San Francisco	Adam Brinklow

Quality Assurance

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

Stations and Systems Contract CN1300 Quality Assurance Monitoring – On Going/As Reported Previously

- UMS structural steel installation – Continued inspection/acceptance/documentation by Smith Emery CWI's of all welds associated with the ongoing Installation of structural and excavation support steel
- STS invert and plinth concrete placements for track installation continue
- STS rail installation South of UMS
- TPC QC Daily Inspection Reports posted to CM13 which includes TPC's Specialty Subcontractor's QC checklists and 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
- Preparatory, Initial Phase and Concrete Preplacement Meetings continue as the scheduled activities dictate
- Sequential Excavation Method (SEM) and Instrumentation/Monitoring and Construction Management Task Force (CMTF) Meetings with particular emphasis on Compensation Grout effort (which is nearly complete at this time at CTS) and close evaluation of convergence monitoring
- 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
- Weekly Work Package Progress Meetings for STS, YBM, UMS and CTS
- Monthly Project Risk Mitigation, Safety and Security, MEP Progress and weekly 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 flexible specimens.

Quality Assurance - Continued

- Contractor Non Conformance Reports (CNCR) Status as indicated in the TPC QC CNCR Log:
 - ◇ 8 (same as last month) CNCRs are currently posted to the CNCR Log as INITIAL entries (C1300 is required to generate a CNCR within 24 hours of becoming aware of what appears to be non-conforming work).
 - ◇ 12 (+1 from last month) 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.)
 - ◇ 15 (+2 from last month) CNCRs are currently posted to the CNCR Log as DISPOSITIONED (NOT ACCEPTABLE) and have been returned to the Contractor because the RE's review of the Contractor's proposed disposition determined that the proposed disposition is not appropriate and must be revised).
 - ◇ 23 (+6 from last month) 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.
 - ◇ 241 (+1 from last month) CNCRs are currently posted to the CNCR Log as CLOSED.
 - ◇ 38 (same as last month) CNCRs are currently posted to the CNCR Log as VOIDED (subsequent evaluation of the INITIAL CNCRs determined that a CNCR is not warranted)
 - ◇ 337 (+10 from last month) CNCRs are currently posted to the CNCR Log

QA Issues:

- None to report for December 2017

QA Concerns:

- As previously reported, 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 reported and as discussed ad nauseam at previous Partnering Meeting Sessions, 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. Note that the Project Quality has not suffered to date; however the aforementioned concerns remain
- Continue regarding Project schedule compression demands disrupting RE and Design Staff priorities

Other Program QA Practices Implemented

- Close-out of Corrective Action Requests: Close outs continued from Quality Assurance staff's Audits, Surveillances and PMOC Quarterly Reviews. The status is tracked in the Corrective Action Log that is available/provided to the project team and the FTA PMOC
- DRB input/participation regarding approval of slurry wall mixes at CTS

Risk Management

Risk Mitigation Management Meeting No. 101 was held on Wednesday, December 13, 2017. The members of the Risk Assessment Committee in attendance, reviewed the top risks in accordance with the risk summary sheet, which have been given a rating by The Committee of six and above.

During this month's meeting, thirty six (36) construction risks and one (1) remaining requirement risk was tracked on the Project's Risk Register. Additional vetting of these risks will be done at next month's meeting. 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
248	Production Rate – existing sequence at CTS (actual vs expected effort not achieved)	25
240	Unresolved Assignment of Schedule Delay Responsibility (may lead to increase cost for the Program)	12
251	Physical activities missing (not defined) in the schedule / identify activities of undefined scope	8
234	Sequential Excavation Method at CTS - Contractor's propose method will induce detrimental subsidence	7
249	Unable to re-sequence the current construction activities which are linear	7
253	Do not have adequate resources defined to do the work	6
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
238	Quality Program is ineffective in processing the nonconformance items causing schedule impacts	6
205	Prolong period of CMod's creates additional cost/causes bad blood between Resident Engineer and Contractor	6
229	CN1300 System Acceptance Testing	6

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.

Safety Summary for the 1300 Stations Systems Track Construction Package

During the month of December, TPC and their subcontractors incurred one first aid incident. No lost time was 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. The CTS station has started their last excavation down about another 20 feet. We are watching this closely along with the proper ventilation of the site.
2. At the UMS station, TPC is pouring scalloped walls. They are also starting upper floors and work to be able to bring the rails into the stations soon.
3. At the YBM station, TPC is pouring floors in the headhouse along with starting to finish more of the platform.
4. At the STS station, TPC and their sub contractors are installing rails into 4th Street and up to the UMS station in the tunnels.

Program Safety & Security - continued

Project Safety Record - Contract 1300

SAFETY GOALS

Through Month End -December 2017

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

JOB TO DATE

	Tutor	Subs	Total Project	Rate*
OSHA Recordable Accidents	5	1	6	0.40
Job Transfer or Restricted Duty Cases	0	0	0	0.00
Lost Time Cases	1	0	1	0.07
Total Project Incidents	6	1	7	0.47
Man Hours Worked Through M/E Dec 2017	1,539,469	1,467,252	3,006,721	

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 Dec 2017	403,187	374,633	777,820	

* Rate is calculated based on number of incidents divided by total number of man hours worked multiplied by 200,000 man hours.

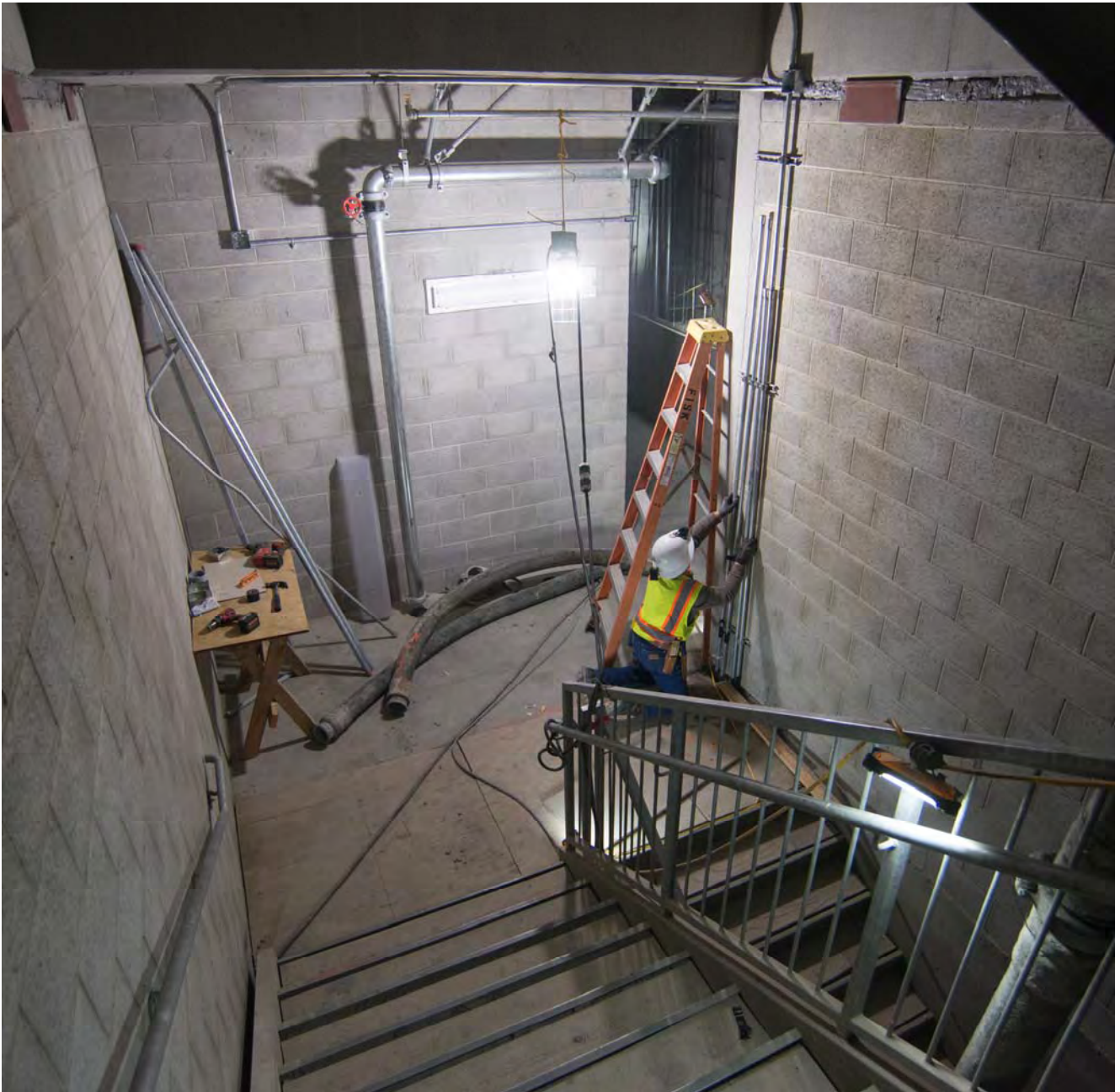
OSHA Recordable Accidents - 2008 Construction Industry Rate for Highway, Street, and Bridge Construction = 3.9

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

For example, what was once classified as an accident can become a first aid which leads it to no longer being recordable.

Technical Capacity

The Program has a few vacancies and is considering candidates for Contracts Claims Administrator or Change Order Administrator and is interested in identifying additional candidates for supplementation of the team in the areas of Construction Inspector and Office Engineer, and persons with expertise in MEP Coordination and Systems implementation.



Conduit for electrical and communications systems are being installed inside the station box, shown here on the mezzanine level at the north stairwell.

Staffing

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

	Oct-2017		Nov-2017		Dec-2017	
	Planned	Actual	Planned	Actual	Planned	Actual
Project Management						
Program Management	6.60	5.00	6.60	5.00	6.60	5.00
Quality Assurance	1.80	1.30	1.80	1.30	1.80	1.30
Contract Administration	1.40	9.40	1.40	10.40	1.40	10.40
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	3.80	4.80	4.30	4.80	4.30
Subtotal	22.10	22.00	22.10	23.50	22.10	23.50
Construction Management						
CM - CN 1252	0.00	0.00	0.00	0.00	0.00	0.00
CM - CN 1300	29.98	27.10	29.98	27.10	24.20	28.10
Design Support - CN 1252	0.00	0.00	0.00	0.00	0.00	0.00
Design Support - CN 1300	12.40	11.70	12.40	12.20	9.00	12.20
Subtotal	42.38	38.80	42.38	39.30	33.20	40.30
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	70.43	61.00	70.43	63.00	61.25	64.00

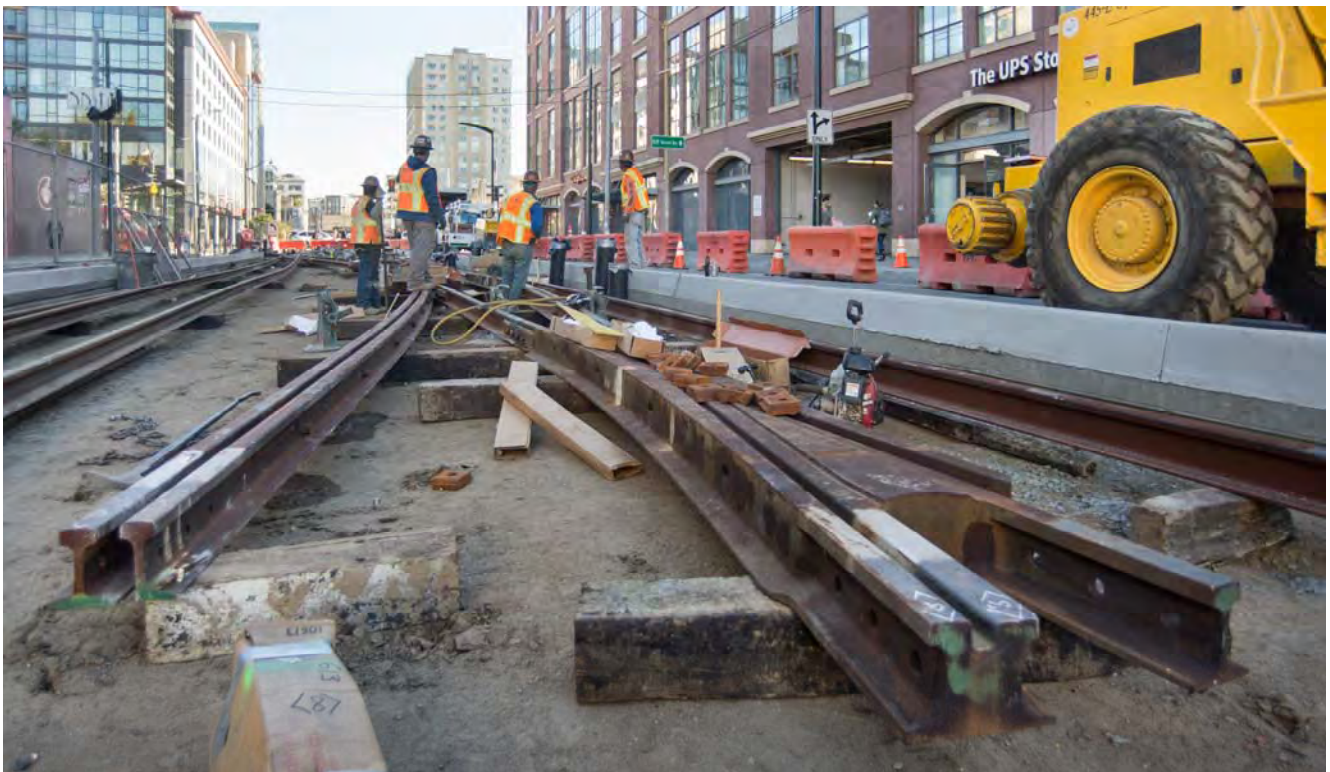
Third-Party Agreements

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.

Production of the first 20 cars continues. Testing on car #2005 was completed and vehicle will be presented to the CPUC for safety certification next month. ATCS software version 1.07 was released. Testing on car #2009 continues; it is anticipated to be the next vehicle presented for safety certification. Portable Test Units (PTUs) for maintenance were delivered this month.



A rail switch configuration is being installed as part of crossover track assembly on 4th near Bluxome.

central **T** subway

Current Construction Activity



Chinatown (CTS)



Union Square/Market Street (UMS)



Yerba Buena/Moscone (YBM)



4th St. Surface Track, Systems (STS)





Sparks fall from a man basket where two workers cut away exposed drill casing segments in the massive arched structure of the platform cavern.



To prepare to resume excavation inside the Chinatown Station headhouse, crews are installing temporary steel reinforcing where they can before digging begins.



A large excavator collects excavated material inside the southern portion of the station platform cavern prior to removal offsite.



A scaffolding inside the top heading of the south platform cavern's center drift allows workers to get up close to the current face of excavation for soil improvement and shotcrete work.



Concrete forms for the north concourse floor slab and some internal walls are being built, shown here where the concourse meets the Union Square Garage structure underground.



Vinyl sheeting is being installed as part of waterproofing, as seen here on the east wall of the Union Square/Market Street station box.



Off the Grid food trucks, illuminated benches, and festive holiday garlands decorate the landscape of the 2017 Winter Walk.



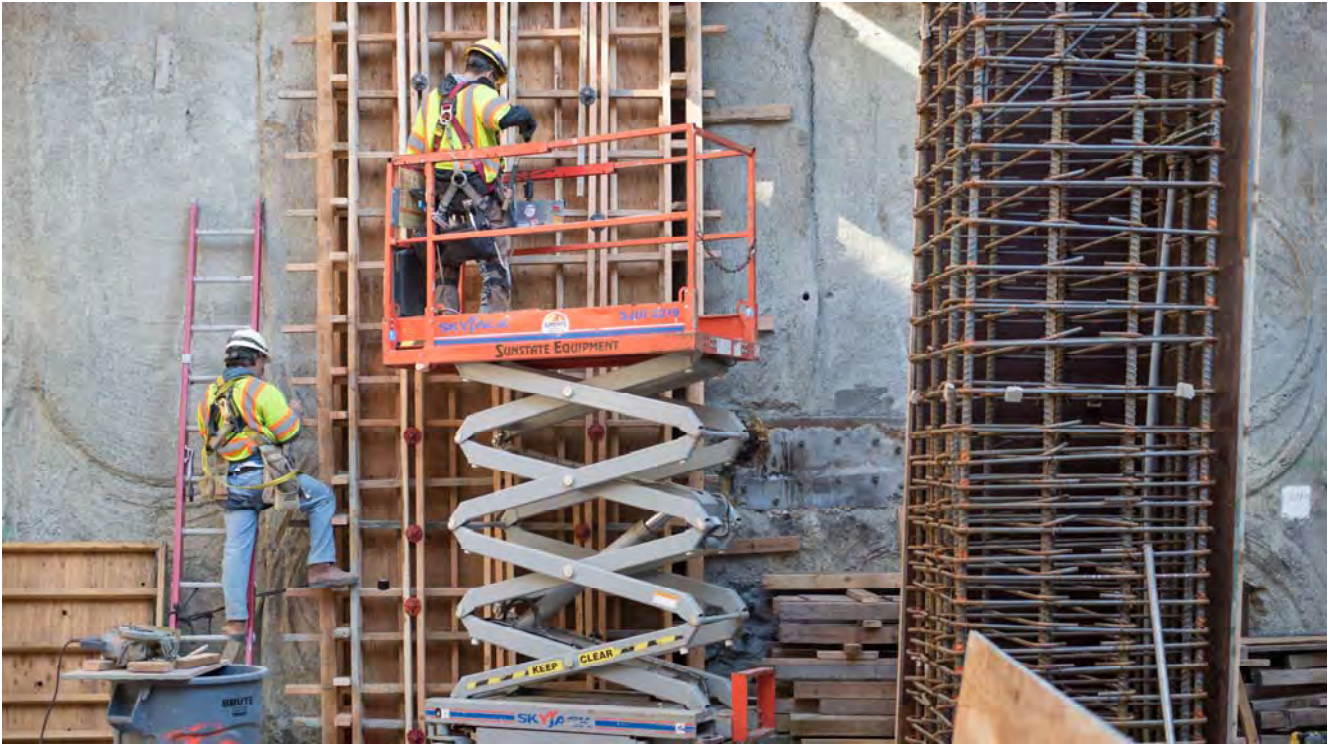
A team of ironworkers places massive lengths of rebar at the north headwall, under the Geary and Stockton intersection.



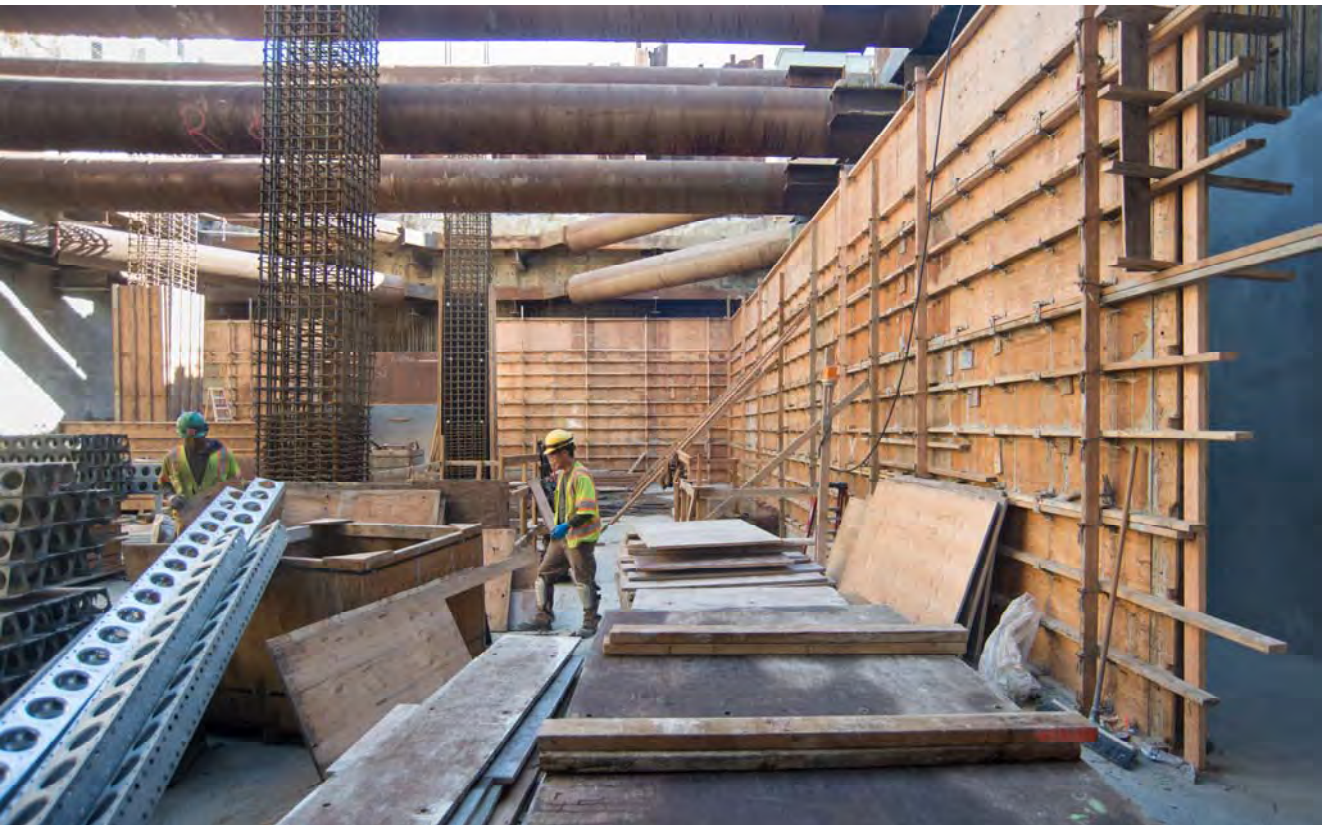
Two escalators slated to be installed at the south end of the Yerba Buena/Moscone Station platform have been lowered into place using a rolling gantry crane.



A group of workers install rebar and concrete forms as part of mezzanine floor slab construction on the west side of the station headhouse.



Workers construct concrete forms for internal walls and columns on the east slurry wall which separates the station box from the headhouse.



Massive concrete forms for interior walls and columns are being built inside the station headhouse, seen here looking south toward Folsom Street.



View looking north at the new double track crossover being installed at 4th and Bluxome.



Workers continue installing utility ducts for system signaling and communications, on the south side of the 4th and Brannan intersection.



Concrete forms are being constructed to build pile caps for the 4th and Brannan surface station platform foundation.



Workers shovel soil to help grade the worksite near a manhole and utility vault at 4th and Welsh.

Appendix A

DETAIL COST REPORTS

*December 2017 Notice: The City is in the process of transitioning from FAMIS to Financial System Project (FSP). During the transition, we are unable to provide accurate financial updates. Once FSP is updated and validated, we will reconcile our reports accordingly. We will be projecting current expenditures and anticipate the reconciled updates will be available early next year.

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 \$1,164.26 million, a \$13.02 million increase over last month. The cost to date figure reflects expenditures through FAMIS 786 Report (\$1,109.69 million) plus the utilities joint trench Form B Reimbursement payment (\$11.27 million), invoices currently being processed (\$38.57 million) and estimates of outstanding pay requests (\$4.76 million). This incurred amount equals 73.77% of the total project budget of \$1.578 billion.

The current funding level to date is \$1,479.79. This represents 94% 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	88	6/30/2017	\$ 428,660.77
CS155.2	89	7/31/2017	\$ 355,798.14
CS155.2	90	8/31/2017	\$ 379,121.78
CS155.2	91	9/30/2017	\$ 507,849.97
CS155.2	92	10/31/2017	\$ 407,536.84
CS155.2*	93	11/30/2017	\$ 407,536.84
CS155.2*	94	12/31/2017	\$ 407,536.84
CS155.3	88	7/31/2017	\$ 55,791.97
CS155.3	89	8/31/2017	\$ 55,290.83
CS155.3	90	9/30/2017	\$ 95,777.93
CS155.3	91	10/31/2017	\$ 56,923.91

CONTRACT	PP NO	PP PERIOD TO	PROG PYMT AMOUNT
CS155.3	92	11/30/2017	\$ 56,689.65
CS155.3*	93	12/31/2017	\$ 56,689.65
CN 1300	46	10/31/2017	\$ 15,208,259.00
CN 1300	47	11/30/2017	\$ 9,752,012.00
CN 1300	48	12/31/2017	\$ 11,188,643.00
CS149*	103	7/31/2017	\$ 500,000.00
CS149*	104	8/31/2017	\$ 500,000.00
CS149*	105	9/30/2017	\$ 500,000.00
CS149*	106	10/31/2017	\$ 500,000.00
CS149*	107	11/30/2017	\$ 500,000.00
CS149*	108	12/31/2017	\$ 500,000.00
CS156	81	8/31/2017	\$ 15,143.18
CS156	82	9/30/2017	\$ 10,151.73
CS156*	83	10/31/2017	\$ 10,151.73
CS156*	84	11/30/2017	\$ 10,151.73
CS156*	85	12/31/2017	\$ 10,151.73
other accruals*		12/31/2017	\$ 673,168.89

* Estimated Amount

\$ 43,336,927.11

2. CONTINGENCY ALLOCATIONS AND USAGE

The current Total Project Contingency is **\$74.18 million**, which is a \$14.18 million favorable balance against the current Minimum Contingency level of \$60 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".

Both Contract 1252 Tunnel and Contract 1300 Station did not process any contract modifications in this reporting period. Refer to Report 7.5 for approved contract modifications and potential changes.

3. BUDGET TRANSFERS

No budget transfers in this reporting period.

4. FORM B

The Utilities Joint Trench Form B Details is listed in the Table A2 below. Total utilities joint trench Form B Reimbursement payment to three construction contracts is \$11.27 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		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)	441,304	1.3.085.04.040.02 - CTS.1254: SITE UTILITIES, UTILITY RELOCA
1.3.491.09.040.02 - FORM B - STS: CN1300 UTILITY REIMBURSEMENT	(1,000,000)	-	
1.3.491.03.040.02 - 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)	314,072	1.3.086.05.040.02 - YBM.1255: SITE UTILITIES, UTILITY RELOCA
TOTAL	(11,973,904)	11,268,764	

5. EARNED VALUE (EV) ANALYSIS

In December 2017 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:	\$1,472,547,435
Earned Value:	\$1,167,831,547
Actual Cost:	\$1,164,264,554
Schedule Performance Index (SPI):	0.79
Cost Performance Index (CPI):	1.00
Percent Complete:	73.9%

SFMTA, EV Chart
DECEMBER 31, 2017 Update

Activity ID	Activity Name	Start	Finish	Performance % Complete	Budgeted Total Cost	Planned Value Cost (PV)	Earned Value Cost (EV)	Actual Total Cost (AC)	CPI	SPI
CENTRAL SUBWAY PROJECT										
		03-Jun-03A	14-Dec-21	73.93%	\$1,578,300,004.36	\$1,472,547,435.08	\$1,167,831,547.18	\$1,164,264,563.84	1.00	0.79
	Preliminary Engineering Phase	03-Jun-03A	07-Jan-10A	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-10A	17-Jun-13A	100%	\$115,075,987.10	\$115,075,987.06	\$115,075,987.06	\$113,950,952.17	1.01	1.00
	Light Rail Vehicles	15-Apr-13A	27-Sep-19	8.25%	\$26,385,663.00	\$26,385,663.00	\$2,177,131.58	\$10,598,346.72	0.21	0.08
	Real Estate	01-Aug-08A	26-Dec-17	82.4%	\$32,140,417.71	\$37,405,895.00	\$30,822,332.40	\$30,626,115.53	1.01	0.82
	Construction Phase	03-Jan-10A	19-Jan-21	72.37%	\$1,349,149,982.38	\$1,247,137,839.00	\$973,214,035.12	\$962,547,078.89	1.01	0.78
	Construction Support and Costs	03-Jan-10A	19-Jan-21	60.13%	\$200,922,851.00	\$137,862,134.15	\$120,167,546.57	\$127,366,134.61	0.94	0.87
	Construction Utility Contract #1 - MOS & Portal CN-1250	04-Jan-10A	23-May-11A	100%	\$11,968,150.00	\$11,968,150.00	\$11,968,150.00	\$11,968,150.00	1.00	1.00
	Construction Utility Contract #2 - JMS CN-1251	12-Jan-11A	15-Oct-12A	100%	\$20,794,682.00	\$20,794,682.00	\$20,794,682.00	\$20,669,081.47	1.01	1.00
	Construction Tunnels CN-1252	08-Jun-11A	26-Dec-17	99.44%	\$235,913,500.06	\$251,068,967.23	\$249,672,040.28	\$233,589,321.81	1.07	0.99
	Construction CN-1300	03-Jun-13A	29-Nov-19	66.26%	\$879,676,399.95	\$825,444,005.61	\$670,611,716.26	\$668,954,391.00	1.00	0.69
	Unallocated Contingency	26-Dec-17	10-Dec-19	0%	\$9,005,902.83	\$0.00	\$0.00	\$0.00	0.00	0.00
	Project Management	10-Dec-19	14-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 seven funding sources.

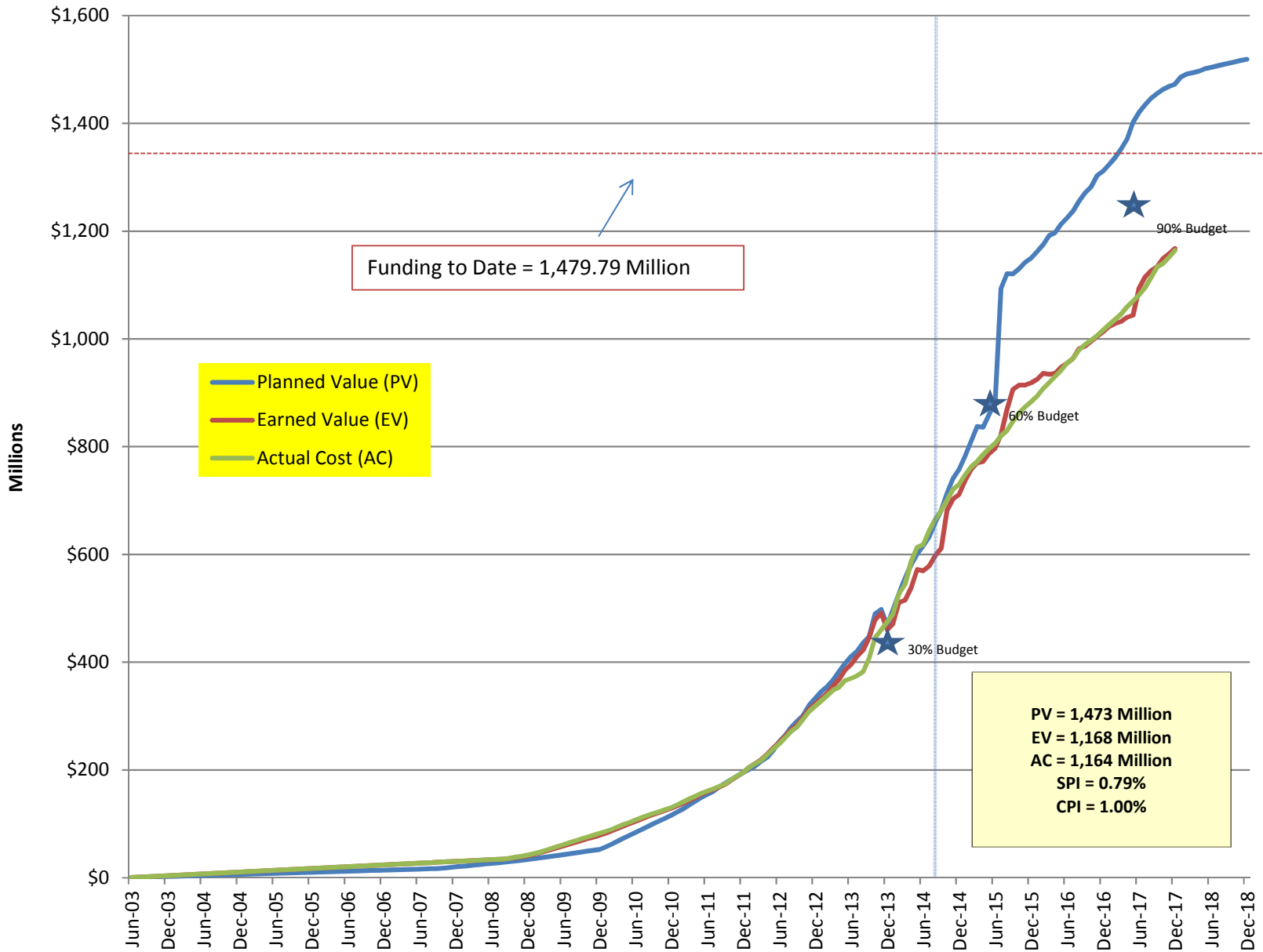
Funding Available Table		
	Funding	
	Committed Funding Sources	Total Awarded Funds to Date
Federal		
Sect. 5309-NS	\$942,200	\$919,182
CMAQ	\$41,025	\$41,025
Federal Subtotal	\$983,225	\$960,207
State		
TCRP	\$14,000	\$14,000
State RIP	\$88,000	\$12,498
Prop. 1B (I-Bond) PTIMSE	\$307,792	\$307,792
Prop. 1A (HSR-Bond)	\$61,308	\$61,308
State Subtotal	\$471,100	\$395,598
Local		
Prop. K	\$123,975	\$123,975
Local Subtotal	\$123,975	\$123,975
CPT 544 Total	\$1,578,300	\$1,479,780

7. LIST OF COST REPORTS

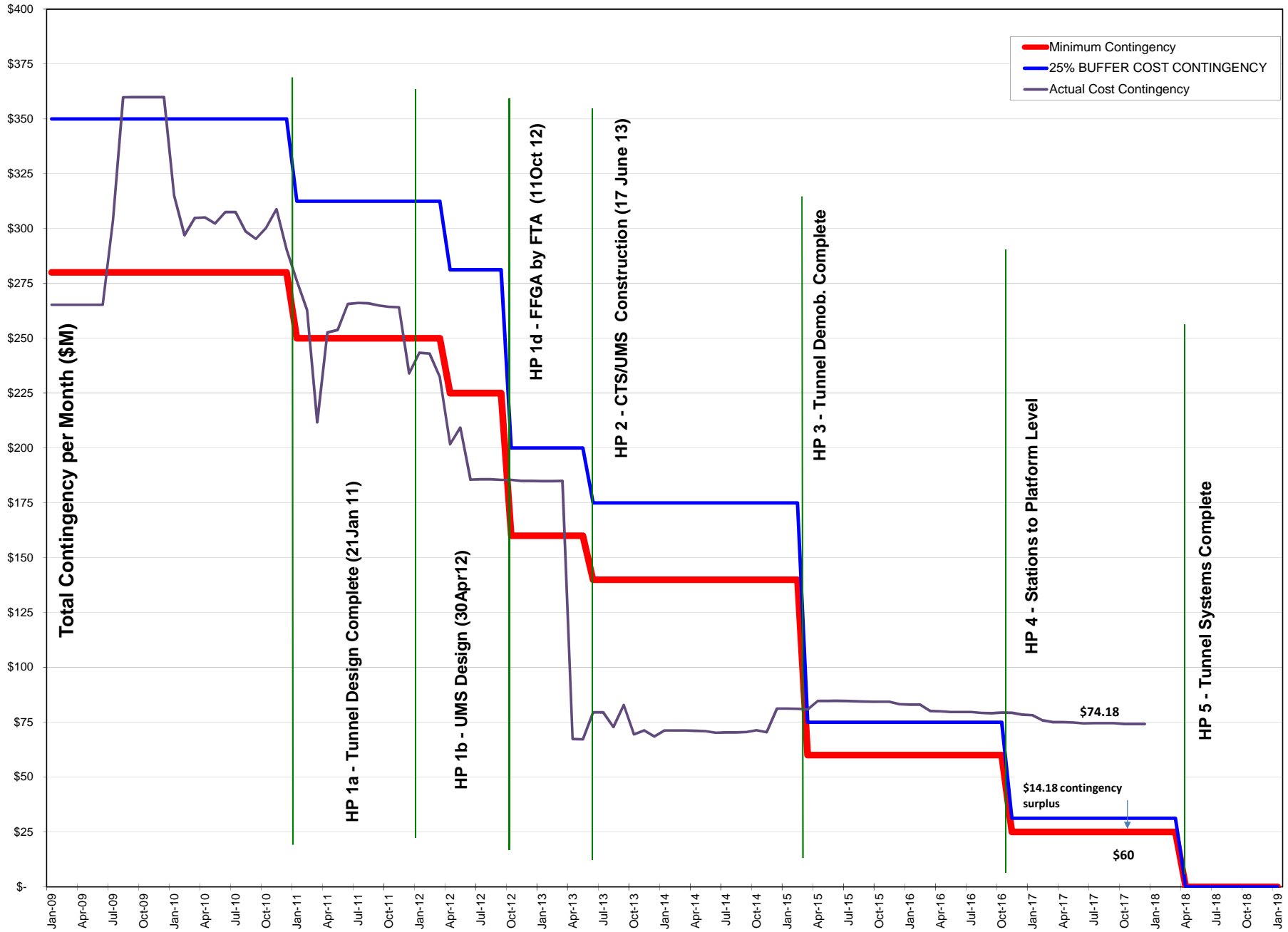
- 7.1 Program Project Budget
- 7.2 Earned Value Cash Flow
- 7.3 Contingency Drawdown Curve
- 7.4 Summary Contingency Management Trend Report
- 7.5 Detail Contingency Usage Report
- 7.6 Budget Revisions: Report sorted by Construction Packages & Soft Costs
- 7.7 Project Budget & Expenditure Report: Sorted 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	\$328,857	68CPT544135A	Contract 1252 CMod #41	yes	12
8	2/15/2015 Chinatown Plaza Construction Estimate	\$75,000	68CPT7181341	Contract 1300 CMod #6	yes	13
9	3/27/2015 SFPUC - 24" Water Main Additional Work	\$112,102	68W409	Contract 1252 CMod #48	yes	14
10	3/15/2016 Support for North Beach Restoration, OCS and Streetlighting	\$155,468	68T7373342D2/D3	Contract 1252 CMod #51	yes	15
11	6/27/2016 DPW - MOU for Water Line above YBM Station	\$438,218	68W592	Contract 1300 CMod #20	yes	16
Total:		\$24,674,586				

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 [h - b]	REMAINING CONTINGENCY AFTER POTENTIAL CHANGES DEDUCTED [i - d]	ORIGINAL CONTRACT VALUE + REVISED AUTHORIZED CONTINGENCY [a + h]	BUDGET - ESTIMATE AT COMPLETE [j - e]		
	a	b	c	d	e	f	g	h	i	j	j	k		
SCC 10-50 CONSTRUCTION CONTRACT PACKAGES														
1250	UTILITY RELOCATION PACKAGE #1 <i>Contract 1250 Department of Technology</i>	9,273,939 166,756	2,694,211	11,968,150 166,756		11,968,150 166,756	1,953,377	740,834	2,694,211		11,968,150 166,756		17	
1251	UTILITY RELOCATION PACKAGE #2 <i>Contract 1251 Department of Technology</i>	16,832,550 75,615	3,836,531	20,669,081 75,615		20,669,081 75,615	5,367,297	(1,530,766)	3,836,531		20,669,081 75,615		18	
1252	GUIDEWAY TUNNEL	233,584,015	1,494,770	235,078,785	20,000	235,098,785	23,658,464	(21,328,979)	2,329,485	834,715	814,715	235,913,500	814,715	19
1300	STATIONS <i>1253 UNION SQUARE/MARKET ST STATION [UMS]</i> <i>1254 CHINA TOWN STATION [CTS]</i> <i>1255 YERBA BUENA/ MOSCONE STATION [YBM]</i> <i>1256 SURFACE TRACKWORK & SYSTEMS [STS]</i>	839,676,400 294,030,590 247,567,810 158,089,000 139,989,000	8,121,714 2,748,442 2,964,460 309,825 2,098,986	847,798,114 296,779,032 250,532,270 158,398,825 142,087,986	23,651,272 10,501,962 7,055,540 3,919,790 2,173,980	871,449,386 307,280,994 257,587,810 162,318,615 144,261,966	20,000,000 5,000,000 5,000,000 5,000,000 5,000,000	20,000,000 15,000,000 5,000,000 5,000,000 5,000,000	40,000,000 20,000,000 10,000,000 5,000,000 5,000,000	31,878,286 17,251,558 7,035,540 4,690,175 2,901,014	8,227,014 6,749,596 (20,000) 770,385 727,034	879,676,400 314,030,590 257,567,810 163,089,000 144,989,000	8,227,014 6,749,596 (20,000) 770,385 727,034	20
OTHER		31,233,501	1,060,000	32,293,501		32,293,501	1,160,000	1,060,000	2,220,000	1,160,000	1,160,000	33,453,501	1,160,000	21a
SCC 10 - 50 Construction Sub-total		1,130,842,776	17,207,226	1,148,050,002	23,671,272	1,171,721,274	52,139,137	(1,328,979)	51,080,226	33,873,001	10,201,729	1,181,923,002	10,201,729	21b
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	22
70	VEHICLES	24,108,712	(10,799,712)	13,309,000		13,309,000	2,276,941	10,799,712	13,076,653	13,076,653	13,076,653	26,385,653	13,076,653	23
80	PROFESSIONAL SERVICES	310,518,041		310,518,041		310,518,041	18,221,079		18,221,079	18,221,079	18,221,079	328,739,120	18,221,079	
SCC 60 - 80 Construction Sub-total		371,138,552	(15,065,190)	356,073,362		356,073,362	21,498,020	9,799,712	31,297,732	31,297,732	31,297,732	387,371,094	31,297,732	
SCC 90	UNALLOCATED CONTINGENCY						3,845,945	5,159,958	9,005,903	9,005,903	9,005,903	9,005,903	9,005,903	24
TOTAL		1,501,981,328	2,142,036	1,504,123,364	23,671,272	1,527,794,636	77,483,102	13,630,691	91,383,861	74,176,636	50,505,364	1,578,299,999	50,505,364	
											Total Project Budget	1,578,300,000	25	
											Estimate At Completion	1,527,794,636	26	
											Variance	50,505,364	27	

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

Contract Modification/Trend Log - Contract 1252 Tunnel

Awarded NTE Amount: \$233,584,015.00
Substantial Completion: 4/15/2015

Revised NTE Amount \$235,078,784.60
Revised Substantial Completion 4/15/2015

Contract Modifications				Amount	
No.	Description	SCC Code	COR/PCC No.	CMod	Contract NTE
1	Amendment of Insurance Requirements		n/a	\$0.00	\$233,584,015.00
2	Amendment of General Liability Insurance Requirements		n/a	(\$3,040,713.00)	\$230,543,302.00
3	Relocation of PG&E Ductbank & Removal/Reinstall TODCO Scaffolding		CORs 10 & 29	\$6,633.37	\$230,549,935.37
4	Investigate 48" Pipe at UMS S. Headwall		PCC 9	\$75,000.00	\$230,624,935.37
5	LB/MOS Oil Filled Pipe Abatement and MOS Asbestos Pipe Abatement		CORs 7, 22 & 27	\$23,912.54	\$230,648,847.91
6	Arch. Support at MOS Station N. Headwall		COR 12	\$16,892.96	\$230,665,740.87
7	Revisions to MOS N. Headwall Elevation		PCC 1	\$20,358.23	\$230,686,099.10
8	UMS Reduced Duration		COR 21	\$0.00	\$230,686,099.10
9	48" Pipe Investigation and Removal at the UMS Headwalls		PCC 11	\$150,000.00	\$230,836,099.10
10	PG&E Impacts to Launch Box and Flagger		CORs 6 & 41	\$8,618.96	\$230,844,718.06
11	Bart Annex Wall		PCC 7	\$15,500.00	\$230,860,218.06
12	LB - Concrete Manhole and Slurry Pipe Removal		COR 38	\$3,820.84	\$230,864,038.90
13	Retrieval Shaft - Pipe/Duct Bank Removal		CORs 31, 47, 50, 58, 66	\$9,908.04	\$230,873,946.94
14	MOS - 16"Pipe Removal @ N/S Headwalls		CORs 39, 44	\$4,551.99	\$230,878,498.93
15	MOS - S. Headwall Asbestos Pipe Abatement		COR 26	\$27,629.64	\$230,906,128.57
16	UMS Utility Removal/Construct Wall		CORs 46, 48, 68	\$21,150.28	\$230,927,278.85
17	MOS – 16" Steel Pipe Removal at N/S Headwalls/Enlarge Tie-In Hole		CORs 73, 76, 81	\$5,056.63	\$230,932,335.48
18	SFWD Support Work		PCC 13	\$20,000.00	\$230,952,335.48
19	Additional BART Instrumentation		PCC 6	\$307,860.75	\$231,260,196.23
20	Relocation of Retrieval Shaft		PCC 10	\$5,150,000	funded by CPT690
21	Columbus Ave. Restoration		NA	\$261,057.00	\$231,521,253.23
22	LB - Jet Grout Quantity Overrun		COR 070	\$599,900.00	\$232,121,153.23
23	Old Navy - Comp. Grout DSCs		COR 079	\$259,373.00	\$232,380,526.23
24	SFWD Excavation, Support and Backfilling		PCC 13	\$13,982.00	\$232,394,508.23
25	Cross Passage 5 - VECP		COR 087	(\$2,674.00)	\$232,391,834.23
26	Various CORs		CORs 9, 24, 37, 45, 51, 61, 71, 77, 83, 99	\$73,700.00	\$232,465,534.23
27	MOS – Reroute traffic signal lines / Equipment Standby		CORs 11, 17	\$80,719.00	\$232,546,253.23
28	PCC 12 - Comp.Grout Mtls., Accel. at R. Shaft, Haz. Mtls @ R.Shaft, Obst. at CSM panel W6 (NTE Amount CMod)		FA CoS 006, 007, 008, 009	\$81,937.00	\$232,628,190.23
29	AWSS Conflict with Water Line, AWSS Restraining at Launch Box, AT&T Vault Conflict with Sewer Main		COR 1, 2, 3	\$73,045.00	\$232,701,235.23
30	MOS Headwall End-stops		COR 018	\$144,000.00	\$232,845,235.23

Connecting people. Connecting communities.

31	Launch Box - Slurry Wall Obstructions		COR 32, 34, 42, 43, 62, 65, 67	\$234,438.00	\$233,079,673.23
32	COR 8 + Markup - Associated w/ COR 001, COR 002, and COR 003		COR 1, 2, 3, 8	\$168,000.00	\$233,247,673.23
33	LB - Pre-Excavation for Slurry Walls		COR 015	\$125,000.00	\$233,372,673.23
34	Modifications to Tunnel Alignment at Market Street - Initial Design Costs		PCC 012 Part 1	\$39,930.00	\$233,412,603.23
35	Deleted AWSS Work at Union St. and Columbus Ave.		PCC 015	(\$187,181.00)	\$233,225,422.23
36	Curb Ramp Work at NE Corner of 4th and Harrison Streets (Force Account)		FA CO 011	\$5,023.00	\$233,230,445.23
37	Staging Yard Hazardous Material		COR 30, 54, 75	\$401,933.00	\$233,632,378.23
38	Modifications to AWSS Facilities at 4th and Bryant Streets		PCC 014	\$35,925.00	\$233,668,303.23
39	MOS N. Headwall Impacts, LB – Jet Grout Overrun		COR 85, 70	\$240,333.00	\$233,908,636.23
40	Culvert, Street & Sidewalk Restoration in N.Beach (includes QC testing)		PCC 20	\$694,651.00	funded by TEP
41	Install Water Main in North Beach		PCC 20	\$328,860.00	funded by SFPUC
42	UMS - Shoring Impacts due to 48" ATT Pipe at SW Headwall		COR 069	\$29,463.00	\$233,938,099.23
43	UMS Tangent Pile SRB-H DSC, UMS Jet Grout Column No. 18 DSC		COR 096, COR 102	\$60,870.00	\$233,998,969.23
44	Subcontractor Substitution		NA	\$0.00	\$233,998,969.23
45	Modifications to Tunnel Alignment - Construction Costs		PCC 12	\$883,693.00	\$234,882,662.23
46	MOS 20" Conflict with 16" AWSS @ South Headwall		COR 082	\$28,160.00	\$234,910,822.23
47	CDF Encasement on 42" RCP		COR 005	\$95,000.00	\$235,005,822.23
48	North Beach Water Main Additional Work		PCC 20	\$112,102.20	funded by SFPUC
49	Various CORS and FACOS; FACO 13-15, 17-19; COR 116, 118-121		FACO 13-15, 17-19; COR 116, 118-121	\$180,010.41	\$235,185,832.64
50	Contract Milestone Changes			\$0.00	\$235,185,832.64
51	PCC 020 - Supp 1 - North Beach Restoration, OCS and Streetlighting			\$155,468.17	funded by TEP
52	PCC 19 - Piping, Conduit and Casing at 4th Street Portal			\$11,678.00	\$235,197,510.64
53	COR 117 - Retrieval Shaft Impacts			\$30,278.08	\$235,227,788.72
54	Material Hardness at the Retrieval Shaft			\$166,182.81	\$235,393,971.53
55	PCC 020 - Supp 2 - North Beach Sewer Work			\$19,730.14	\$235,413,701.67
56	Deleted Water Utility Replacement/Water, Sewer, MRY and AWSS Design Changes		PCC 24, 28	(\$15,259.00)	\$235,398,442.67
57	YBM Concrete Overpour and Jet Grout at Headwalls		COR 072	(\$84,509.00)	\$235,313,933.67
58	Credit - Delete AWSS Material Supply			(\$201,288.32)	\$235,112,645.35
59	Credit - 1 No. AMTS Unit			(\$33,860.75)	\$235,078,784.60
Sub Total:				\$1,494,769.60	

Pending Contract Modifications		SCC Code	COR/PCC No.	Estimated	
Description				Amount	Time
I	Other Pending Contract Modifications		Cmod # TBD	\$20,000.00	
Sub Total:				\$20,000.00	

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Potential Changes	UMS	CTS	YBM	STS	COST REPORT NOTES
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			
CTS-Plaza Surface Level Struct Mods		(10,337)			
Job Readiness - CTS		(390,000)			
Job Readiness - STS				(140,000)	
Job Readiness - UMS				(390,000)	
Job Readiness - YBM			(140,000)		
STS - OCS Pole Changes				8,473	
STS COR #229 Multi E Util Conf w N				7,656	
STS COR #296 Mult E Util Confl AWSS				46,892	
STS COR #89 Extra Sewer Work				15,561	
STS COR 074 AWSS Offset/Sewer Demo				93,763	
STS COR 1141 Unkn Conc Subgrade				573	
STS COR 1142 Remove Catch Basin				1,719	
STS COR 1173 Existing DB Conflict				1,115	
STS COR 476 Conc DB Conf w/ FH				20,197	
STS COR 520 Lat Conf AWSS				3,835	
STS COR 523 AV & GV on 8" WD Main				1,236	
STS COR 558 CB in conf w AWSS				862	
STS COR 601 Conc Enc in cn. w W lin				2,730	
STS COR 823 Unkn Brck Ctch Basin				1,718	
STS Traffic Signal and SL Changes				242,427	
UMS COR 1041 Culvert Removal	607				
UMS COR 1058 Obstruction at C01W	8,122				
UMS COR 1087 (E) 6-inch Gas Line	11,297				
UMS COR 1199 Redesigned 12" WD Conn	36,695				
UMS COR 389 4" Steel line asbestos	951				
UMS COR 810 Unkn Bem @ M Macys Wall	426				
YBM COR 1005 Reburial of remains			1,870		
YBM COR 1106 Impediment at Pnl P-88			1,897		
YBM COR 1197 Unknown Slurry Encasem			7,138		

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	UMS	CTS	YBM	STS	COST REPORT NOTES
YBM COR 1213 Add'l excavation and W			24,094		
YBM COR 248 Transite pipe Folsom			3,176		
YBM COR 385 PG&E Damage to Work			20,919		
YBM COR 390 Chip Mezzanine Headwall			44,260		
YBM COR 485 Chip Concourse Headwall			30,432		
YBM COR 711 Conduit for AC Swichgea			7,004		
YBM COR 806 Stair 1 embed submittal			(9,611)		
YBM COR 841 Design Chng Stair 1 run			7,638		
YBM COR 86 AT&T Side Sewer Conflict			156,831		
YBM COR 972 Ex Ut Inc W Ctch Basin			2,982		
YBM PCC 131 Add Rec Room CN316			1,036		
YBM PCC 138 Add Rec Room SU310			842		
UMS COR 1399 Trench Drain Installat	0				
Negotiation					
CTS - PCC #036 (CMU Wall Bracing)		19,552			
CTS COR 1013 CTS Setlmt Mitigation		20,001			
CTS COR 1014 Invt Slb Crb or Trough		5,000			
CTS COR 1016 Locate Water Leak		4,538			
CTS COR 1031 Add Fire Hose Valves		14,896			
CTS COR 1035 FHC & Phns Dsgn Cnflct		10,001			
CTS COR 1053 Elv 1&2 Mach Rm Dim		10,001			
CTS COR 1061 S Pltfrm Unstable Grnd		150,000			
CTS COR 1107 Compensation Grout		0			
CTS COR 1128 Dir to Comp S Side		5,001			
CTS COR 1157 Stringer Support Embed		10,001			
CTS COR 1159 Change Escalator 1 & 2		3,144			
CTS COR 1175 Compensation Grout Set		10,001			
CTS COR 1177 NDSC Unknown Utilities		25,000			
CTS COR 1186 Unknown 1" Water Serv		5,000			
CTS COR 1232 Global to SEM Tunnelin		5,457,322			
CTS COR 1249 Add GFRC Panels		130,001			
CTS COR 1253 N. Emergency Egress		6,000			
CTS COR 1318 Elevator 4 Emer Door		5,001			
CTS COR 1401 Crossover Cavern Art		10,001			
CTS COR 1401 Excessive Compensation			80,001		

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	UMS	CTS	YBM	STS	COST REPORT NOTES
CTS COR 1405 Downspout Requirement		7,501			
CTS COR 200 Dr & Dr Hrdwre for GFRC		7,797			
CTS COR 255 Additional Instruments		429,777			
CTS COR 299 Removal of Interim SW		18,253			
CTS COR 324 Strt to Beam Con@ G/L7		5,374			
CTS COR 408 MSX Termination		191,291			
CTS COR 437 Unanticipated Elec @ Sh		50,001			
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 529 Rock Mass at Elev 37'		25,001			
CTS COR 568 CMOD 019 Reservations		31,906			
CTS COR 582 Monitor at Agent Booth		95,958			
CTS COR 583 Elev 1-4 SFFD monitor		53,619			
CTS COR 625 Added Cane Detc Rail		1,889			
CTS COR 626 Ad HSS & Plt @ H Beam		3,986			
CTS COR 627 Add HSS Col @ Tickt Mac		3,404			
CTS COR 628 Add Beams and Embeds		8,214			
CTS COR 659 Add Grts at Sta Ag glas		1,537			
CTS COR 679 GI Cutos & Add Sp hds		23,450			
CTS COR 681 Crss Cut Cvrn SEM Excvn		60,001			
CTS COR 686 Es & GlS Enc Slf Clning		6,716			
CTS COR 695 Mod to Grondng System		10,001			
CTS COR 706 Glas Canpy Trench Drain		10,001			
CTS COR 723 Strc GlS Asse Add Desig		0			
CTS COR 780 Aded Frit on Roof Panls		19,229			
CTS COR 866 ATCS/Thals Sngl Pwr Sor		10,001			
CTS COR 899 Add Soil Samp & Testing		10,001			
CTS COR 917 Spriklr Hnging Method		50,001			
CTS COR 923 Esc Equip Room Size		10,001			
CTS COR 925 Cont Metal Ring		10,001			
CTS COR 947 Shtcrt Filr Line @ slry		10,001			
CTS COR 957 Egress Shft Opening		10,001			
CTS Delete PGE Work at Vault 732		(35,036)			
CTS PCC 120 Prov Cond-Lft-net System		0			

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	UMS	CTS	YBM	STS	COST REPORT NOTES
CTS PCC 233 Reinf for Headhouse Inv		0			
CTS PCC 98 Slurry Wall Wr Proofing		0			
CTS PCC258 Start PCN before Com PCS		0			
CTS-COR#201 Swr Line & Station Roof		37,661			
CTS-Delete Tree Planting		(3,967)			
CTS-FACO#39- Soil Testing cmplly OAB		5,478			
CTS-PCC40 Plaza Surface Slab Pntrtn		5,525			
GEN PCC 183 Electric Power Elevator			31,574		
GEN PCC 189 Anti-Graffiti Film			83,371		
STS - Additn manholes for 78" sewer				27,500	
STS - Deletion of ARS (Revision 1)				(4,689,000)	
STS - PCC#28 Portal Dowels				(1,753)	
STS Comm and Elec Cabinets Relocati				67,221	
STS COR #88 Modify CBs and Culverts				4,395	
STS COR #91 PG&E Vault Conf 16" Wtr				70,333	
STS COR #92 PG&E Vault Conf 12 AWSS				55,931	
STS COR 067 FACO #41 GW Lead Filter				22,695	
STS COR 094 Unknown DB Conf 12" Wtr				0	
STS COR 100 DSC Zayo PVC Conf w SW				4,070	
STS COR 1009 AWSS Lat Conflict				195,768	
STS COR 101 Cleaning for non-78" SW				58,906	
STS COR 1012 ATCS Work at SFMTA				10,001	
STS COR 1017 Increase Neopr Pad le				5,001	
STS COR 1019 Unkown Ductbank				2,324	
STS COR 1022 2" Traffic Sgnl Condui				1,428	
STS COR 1034 E live DT/MRY Ductbank				38,540	
STS COR 1038 E Unkn 18" Steel Pipe				5,000	
STS COR 1045 78" Conc Cap Repair				19,050	
STS COR 1072 Raised Prtl Walkway				(10,001)	
STS COR 1085 AWSS Conflt w/ 36" Swr				16,233	
STS COR 1091 Conc Footing & PVC				1,550	
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				4,800	
STS COR 1104 Unkwn Aluminum Pipe				2,353	

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	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 1115 Unkwn Conc Impdng AWSS				3,093	
STS COR 1116 Live Ductbank in Cnft				15,000	
STS COR 1119 48" Corrg Pipe Cnflc				21,639	
STS COR 1140 Pothole 12" AWSS				4,481	
STS COR 1147 Utility Conflict				10,000	
STS COR 1150 Unkwn 18" Stl Line				25,000	
STS COR 1164 Slurry Encse 36" FM				15,001	
STS COR 1165 DSC - Unknown void				4,008	
STS COR 1172 DSC Utilities Conflict				75,000	
STS COR 1178 Extra Shoring - 36" FM				2,501	
STS COR 1179 Exst Pipes FM				1,797	
STS COR 1180 Unkwn Conc 10" FM				5,000	
STS COR 1189 Unkwn 12" AWSS Offset				10,000	
STS COR 1194 Unkwn MH Incor MH				3,383	
STS COR 1201 Unkwn Stl Conduits				25,000	
STS COR 1202 Acceleration 36" FM				35,749	
STS COR 1203 GSUC Delay Backfill				11,068	
STS COR 1212 Reloc Exst 10" SSFM				10,771	
STS COR 1214 Add WD POC Excav				9,445	
STS COR 1216 Traffic Signal Support				2,241	
STS COR 1217 Slurry Backfill Fiber				3,548	
STS COR 1233 Ext RR Ties Confl Sewe				894	
STS COR 1241 Unkn PVC Conduits				50,000	
STS COR 1242 Pothole 230KV Line				9,489	
STS COR 1243 Sewer Clean AV Repair				850	
STS COR 1251 Shal Utl Trak Slab				130,000	
STS COR 1261 Acceleration 36 FM				6,857	
STS COR 1262 12" WD Blowout				20,078	
STS COR 1271 Addl Parking Strip				0	
STS COR 1276 Install Culvert 4th Br				0	
STS COR 1278 MRY Vault Cables				50,000	
STS COR 1284 Conc Obstrt AWSS				7,500	
STS COR 1285 Unkn Utl Confl TD				10,000	
STS COR 1286 Unkn DB Confl TD				25,000	
STS COR 1288 Unkn DB Confl TD				10,000	

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	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 1290 Traf Sig Box Confl				20,000	
STS COR 1295 CI Offset Conflict				35,000	
STS COR 1296 PVC DB Sewer Conflict				10,000	
STS COR 1307 Dmg MH Confl Sewer				55,000	
STS COR 1309 Brick Sewer Conflict				10,000	
STS COR 1310 Concrete Kicker				10,000	
STS COR 1314 Unkn Stl CI Conflict				5,000	
STS COR 1319 48" Sewer MH Confl				10,000	
STS COR 1323 Utl Confl AWSS FH				28,563	
STS COR 1325 Tide Flex Confl DB				2,711	
STS COR 1328 Invest Swr Lateral				3,257	
STS COR 1352 ATCS Train Cntrl Rm				0	
STS COR 1372 Conc Blkt AWSS Confl				4,001	
STS COR 1381 Poly Drain Confl MRY				1,201	
STS COR 1393 AWSS Restraint Req				10,001	
STS COR 1402 Subsurface Slab				1,001	
STS COR 1411 WD Offset Confl w FM				4,001	
STS COR 164 DSC 8" AWSS Lat Conf 78				4,077	
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				39,148	
STS COR 371 Conflicts w/ 12" AWSS				31,387	
STS COR 392 Util at 4th-Town SW MH				13,246	
STS COR 401 AWSS Layout 4th/King				31,866	
STS COR 402 3x5 SW Confl w/ VCP SW				10,000	
STS COR 404 Contam Soil in MRY DB				18,893	
STS COR 406 Addtl TC at 4th/King				675,000	
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				139,923	
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				56,042	
STS COR 500 Tunnel Monuments				0	

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	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 522 Thickened Str. Stan				7,046	
STS COR 530 Tunnel Track Machine				20,064	
STS COR 533 Conc wall confl util				39,170	
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				12,001	
STS COR 609 Damaged MRY Conduit				23,436	
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	
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 650 Asbestos conf w/ ATT DB				4,518	
STS COR 657 Tunnel Ca Bsn Dsn Chang				20,000	
STS COR 664 Threaded Dowels				10,001	
STS COR 666 Ukn Con Vlt/con N36"				10,118	
STS COR 675 Dct bnk & 3" Gas Line				10,000	
STS COR 682 Shtdown #1 Rail Mods				9,432	
STS COR 683 Gas Ln & unkn Duct Bank				20,892	
STS COR 694 Tr Rts in con/car pipes				835	
STS COR 699 Dct Bnk in Cnf w 36"FM				25,895	
STS COR 702 Brk Cs Bsn cnct w N Cuv				5,001	
STS COR 703 Tunl Wakway Expn jnts				386	
STS COR 736 Addition Rein Handholes				6,340	
STS COR 737 Dct Bnk infc w AT&T Rem				5,001	
STS COR 751 Db in coflct 36" FM& MH				75,044	
STS COR 755 AWSS Material Delay				8,772	
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	

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	UMS	CTS	YBM	STS	COST REPORT NOTES
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 844 4th & King Trcwrk Shtdn				705	
STS COR 846 Util Conf w/ 78" SW Crw				11,371	
STS COR 849 brk Pen incof w 78" Swr				493	
STS COR 852 Caltrans Encrocmnt Prmt				10,001	
STS COR 865 Sd Swr Mnhl & 15" Sw Ln				15,001	
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				10,001	
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				50,001	
STS COR 911 E SW Conf w 48" SW				9,636	
STS COR 920 Hoist Beam Supports CP5				(1,932)	
STS COR 924 Ovpod Con inconf Catbsn				2,869	
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				13,946	
STS COR 930 SW Cracks Conf w Grout				5,000	
STS COR 931 Tree Removal				2,998	
STS COR 934 Revised Curb/Gutter				10,001	
STS COR 935 E FM Conf w N SW Cap				22,626	
STS COR 942 Radio Sys Prelim Design				50,001	
STS COR 954 Culvert Field Investiga				20,106	
STS COR 958 Trk Pave Change				50,001	
STS COR 962 4th/King Incomp Hrdwr				34,448	
STS COR 965 DB conf w 8" WL and Sle				75,449	
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				29,052	
STS COR 979 (N) CB in Conf w/ (E) V				3,639	
STS COR 98 DSC MRY MH Conf w N CB				48,844	
STS COR 980 Repair Install GV				15,442	

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	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 981 Ex 12" WM incorr				29,614	
STS COR 983 Ex Rbr in Cnflt w/ WL				2,137	
STS COR 987 Unkn Utl conflt w/ (N)				50,000	
STS COR 995 E 3" Asbs Conduit Cnflt				982	
STS COR 996 Prtl WI Cnflct w/ slab				4,106	
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				151,797	
STS PCC 096 4th Street SW Slip Lini				828,956	
STS PCC 117 PDS Signs Moun Brackt				50,034	
STS PCC 121 PG&E Pnts Streetlightig				282,638	
STS PCC 151 LED Street Lamps				114,108	
STS PCC 223 4th and King Advnc Wrk				32,732	
STS PCC 224 Addn'l Water Line Work				43,592	
STS PCC 227 Paving for Temp Roadway				78,020	
STS PCC 232 WL at Welsh St				38,480	
STS PCC 237 Bulbouts Harrison Bryan				1,402,706	
STS PCC 239 Excavate Duct Bank				55,916	
STS PCC 278 Rev Track Crub Drain				293,927	
STS Track Switch Machine Change				391,909	
STS-FACO #48 Work Related St Lght				2,051	
UMS - N. Entrance Art Glass and Gla	0				
UMS COR 1010 Emerg Phn Dsgn Conflc	5,001				
UMS COR 102 Cap on 12 inch Water	8,001				
UMS COR 1023 CIP Wall Reinforcing	367,670				
UMS COR 1039 Info Kiosk Design Conf	5,001				
UMS COR 1074 Traffic Signal Footing	10,001				
UMS COR 1076 Unkwn Conduits & Conc	7,141				
UMS COR 110 DSC Obst. at JG Columns	2,062,420				
UMS COR 1102 New 8" WD Tie-In	61,979				
UMS COR 1112 8in WD Fire Service	7,500				
UMS COR 1149 Remove 3 Wtr Lines	1,073				
UMS COR 1161 HVAC Duct Chase	3,001				

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	UMS	CTS	YBM	STS	COST REPORT NOTES
UMS COR 1176 Deluge Panel Conflicts	50,001				
UMS COR 1183 (8) 2" Interconn Cndui	10,001				
UMS COR 1190 Mtr Pedestal at Mrkt S	10,001				
UMS COR 12 Fire Hydrant @ OFarrell	18,932				
UMS COR 1204 Esc 8 Mec Layout SD	20,001				
UMS COR 1229 Granite Base Footing	2,001				
UMS COR 1230 SFWD Meter Location	10,711				
UMS COR 1257 Invert Coord Dwg Delays	2,001				
UMS COR 1299 E PG&E Vault at Ellis	50,000				
UMS COR 1301 Wtrprfing under 71 Ell	50,000				
UMS COR 1332 N Hdwl Ties @ Strut Bm	50,001				
UMS COR 1335 Scaffold @ NW Crnr Ell	5,000				
UMS COR 1336 Water Test at Ellis	140				
UMS COR 1344 Missing Fixture Info	11,246				
UMS COR 1353 Unknwn WD at Ellis	20,000				
UMS COR 1355 Gas Line Cnflct w/ AWS	20,001				
UMS COR 1356 Unknwn Void at Ellis	25,000				
UMS COR 1357 Cncrs Stn Agnt Boot	10,001				
UMS COR 1366 Broken WD at Macy's	3,001				
UMS COR 1376 Cnflct w/ PG&E Conduit	10,001				
UMS COR 1387 Unknown 12" AWSS	10,001				
UMS COR 1400 Hrz Pile Cap Rebar	3,001				
UMS COR 1408 Escltor #8 CMU Dowels	5,001				
UMS COR 1416 Brkrm Domestic Water	5,001				
UMS COR 1423 Slanted Wall	50,001				
UMS COR 307 Elevator Site Hazmat	16,028				
UMS COR 336 Vault on Grid Line 9	1,312				
UMS COR 339 Grout Return at Col 378	599,421				
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 579 Elevators 1-4 SFFD	41,648				
UMS COR 636 Bi-Fold Door Tube Steel	24,911				
UMS COR 660 Added Grommets at Booth	3,253				
UMS COR 687 Trant Pipe at St 134+00	352				

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	UMS	CTS	YBM	STS	COST REPORT NOTES
UMS COR 726 Beam 213 Stair Opening	48,524				
UMS COR 747 NDSC Unidnfied Con Pile	50,000				
UMS COR 770 Fiil Void Sp with CDF	1,943				
UMS COR 781 Uilty Trench Supp Slab	53,673				
UMS COR 790 Duct Bank Conflict	45,651				
UMS COR 817 Odor at N. Concourse	100,000				
UMS COR 845 Unidntfid Conc Obstrctn	6,841				
UMS COR 850 Elvtr 1 & 2 Rail Spacin	6,001				
UMS COR 883 Ventilation System FCP	5,001				
UMS COR 885 Light Pole Foundation	15,703				
UMS COR 913 Machine Room Size	10,001				
UMS E Vault Conflicting Pile Line	18,713				
UMS FACO #31 NDSC Incomplete PGE DB	165,944				
UMS FACO #38 Pile H3 & H4 Piles	7,210				
UMS MRY Duct Bank-East Conflict	41,038				
UMS PCC 003 Date Change to Rcv Art	(10,001)				
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 103 PG&E S.light at Maiden	6,831				
UMS PCC 118 Elevator Overhead Hoist	117,170				
UMS PCC 136 Transformer in Vault 31	13,542				
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				
UMS PCC 184 Glass Floor Support	8,089				
UMS PCC 195 Reinf. of Wall to Slab	3,947				
UMS PCC 198 Ellis Deck Vertical Joi	22,196				
UMS PCC 212 Trouble Lights	(201)				
UMS PCC 213 Electrical at Ellis St.	(5,994)				
UMS PCC 222 Delete PG&E Conduits	(12,359)				
UMS PCC 230 Ellis AT&T Work	10,193				
UMS PCC 246 Fiber Optic Cable	8,613				

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	UMS	CTS	YBM	STS	COST REPORT NOTES
UMS PCC 48.1 Sewer Line Conflict	744,465				
UMS PCC 71 Rerouting of Slab Drains	1,236				
UMS PCC 86 Headwall Pile Conflict	8,982				
UMS PCC 93 Ellis Deck Seismic Joint	82,603				
UMS-FACO #30 NDSC Inadequate CDF	157,462				
UMS-Relocation of Traffic Signal Co	32,275				
USG COR 1037 Lead Based Paint	278,001				
USG COR 1071 Excvtion Wrk Stoppage	50,000				
USG COR 1109 Plaza Conc Strs Rein	10,001				
USG COR 1117 Steel Bracing	2,501				
USG COR 1129 Waterproof Surface Pre	5,001				
USG COR 1152 Fill and Metal Deck	3,001				
USG COR 1171 N Cncrs Wall Connec	50,001				
USG COR 1198 Wtr Prfng Soil Nail Wa	50,001				
USG COR 259 Lead Paint on Columns	87,455				
USG COR 261 8" Wall at Grid 11B	5,632				
USG COR 274 Shear Wall at Grid 10	68,945				
USG COR 293 Water on N.Concourse	1,832				
USG COR 652 Elev. 1 & 2 Cond. Shaft	19,895				
USG COR 777 Rvisd Bm Angle to Ceili	30,001				
USG COR 779 E WI Bm Reinf Chng	13,252				
USG COR 805 Fotngs 16A As Built Dim	10,001				
USG COR 808 Dimensions at Escalator	1,501				
USG COR 856 Anchor Rods Modificatio	2,768				
USG COR 882 HSS Beam Termination	5,001				
USG COR 975 N Cncrs Invert Slab Slp	5,001				
USG COR 998 Class 1 Hazardous Soil	200,000				
USG Hydrant Relocation on Geary St.	22,034				
USG PCC 072 Rmval of Exstg Column	4,116				
USG PCC 080 Door Opngs in Shr Walls	41,774				
USG PCC 101 Elev. Machine Rooms	7,122				
USG PCC 102 Fire Horn-Strobe	52,773				
USG PCC 105 Adj to Row X and Row Y	31,108				
USG PCC 106 Edge of Slab for 8" Con	39,891				
USG PCC 107 Light Pole Footings	7,595				

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	UMS	CTS	YBM	STS	COST REPORT NOTES
USG PCC 108 Con Wok chges du to DSC	288,022				
USG PCC 110 Term of Built Up Colus	79,811				
USG PCC 112 Glass Walk Roof System	15,744				
USG PCC 116 Demo Column, Const Beam	87,028				
USG PCC 124 Irrigation Main	20,124				
USG PCC 127 Footing Elev Suvey Diff	13,771				
USG PCC 128 Dowls of Rbar Conn Dtls	170,189				
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 141 Wtrproof & Drn at P	292,754				
USG PCC 142 Storage Light & Elect.	26,085				
USG PCC 143 Wall Conn, at GL 10/B	5,906				
USG PCC 144 Conc. Finishing/Repairs	235,172				
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 186 Bollard on Ramps	28,124				
USG PCC 190 Plaza Level Slab Detail	10,409				
USG PCC 191 Column 14 A Changes	4,387				
USG PCC 31 HVAC Trench Mod.	235,133				
USG PCC 68 Ramp Barriers Handrail	35,931				
USG PCC 73 Acceleration of Work	102,203				
USG PCC 87 Tiebacks, L2, GL 14-15	219,335				
YBM COR 1000 Added Raceway Instal			10,001		
YBM COR 1062 Elevator #3 Pit Change			48,544		
YBM COR 1105 Unk UST in sidewalk			54,396		
YBM COR 1146 Traction Power Neg.			48,935		
YBM COR 1151 Steel Pipe & Steel Bea			85,000		
YBM COR 1154 Elevator Glass Cab Cha			45,637		
YBM COR 1155 Live AT&T Cable			20,000		
YBM COR 1195 Stair #4 Sheet Pile In			10,001		
YBM COR 1205 DSC Ductbank & 12" WD			50,000		
YBM COR 1223 Removable guardrail			20,001		
YBM COR 1235 Painted sht metal encl			91,563		

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	UMS	CTS	YBM	STS	COST REPORT NOTES
YBM COR 1238 No Weld Bead @ 30" FM			8,000		
YBM COR 1244 Conc. encase. conflict			2,500		
YBM COR 1252 Build 20"x4" Blow Off			4,083		
YBM COR 1265 Modular Wall Specs			91,651		
YBM COR 1281 T-7 Protection			6,000		
YBM COR 1283 Chase for Refrigerant			20,001		
YBM COR 1291 DSC MRY Ductbank			50,001		
YBM COR 1293 Steel Line Conflict w/			2,500		
YBM COR 1294 Concrete Overpour P-1			98,767		
YBM COR 1305 Panel P-58 Obstruction			19,993		
YBM COR 1306 Hold Point Koden Check			36,957		
YBM COR 1322 Replace Missing SL Con			15,000		
YBM COR 1327 DSC Unexpected Communi			36,341		
YBM COR 1329 Electrical Feeders to			(22,033)		
YBM COR 1334 Added Reinforcing Type			5,001		
YBM COR 1337 Added Shear Key at Hea			7,501		
YBM COR 1343 Changes to Panel Board			2,382		
YBM COR 1346 Spec for Edge of Platf			40,001		
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			78,956		
YBM COR 1373 (E) Unknown Red Concre			15,000		
YBM COR 1377 (E) 20" Waterline conf			15,000		
YBM COR 1383 Platform Lvl Fire-Prot			0		
YBM COR 1388 Roof Hatch Dimensions			10,001		
YBM COR 1391 Granite Art Panel Late			7,501		
YBM COR 1392 SF-1/EF-1 Missing 120V			5,001		
YBM COR 1398 RFI 3203 Generator Tap			14,191		
YBM COR 1406 Downspout Requirement			7,501		
YBM COR 1413 Multiple Existing Util			65,001		
YBM COR 1414 Stair 2 Slide Bearing			2,001		
YBM COR 1417 RFI 1342 Chip PG&E Vau			3,001		
YBM COR 1418 RFI #2904 Feeder No. P			24,001		
YBM COR 1420 RFI #2903 Feeder No.P-			20,001		
YBM COR 1421 Add 2' Extensions @ #7			8,501		

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	UMS	CTS	YBM	STS	COST REPORT NOTES
YBM COR 1422 Feeder No. P-PDHP1-4 W			6,001		
YBM COR 1425 Escalators 1 & 2 Stop			25,001		
YBM COR 1426 RFI #3114 PG&E Feeder			80,001		
YBM COR 248 Transite pipe Folsom			3,176		
YBM COR 390 Chip Mezzanine Headwall			44,260		
YBM COR 564 Concrete Encased PG&E			140,346		
YBM COR 691 Add Gurdrl to Str 5&6			45,001		
YBM COR 705 Del bems & Embds/Ven sh			(17,893)		
YBM COR 825 Tunnel Seg Steel Fibers			30,680		
YBM COR 838 Abrasive Stair Nosing			47,942		
YBM COR 848 Chip Invert Headwall			10,663		
YBM COR 939 Broken Water Dept. Line			66,574		
YBM COR 949 Escalator Raceways			2,500		
YBM COR 953 Added Condensate Drain			63,070		
YBM COR 960 N & S Head WI Rbr Chng			64,027		
YBM PCC 022 Addtl Signage on Clem			12,071		
YBM PCC 061 Escalator Pit Provision			94,576		
YBM PCC 132 Raise Pit Floor Elev 4			88,910		
YBM PCC 159 PG&E Ductbank Changes			(10,001)		
YBM PCC 162 Deluge Valve Door			55,837		
YBM PCC 168 Swing Gates Attachment			178,172		
YBM PCC 171R1 Additional PTZ CCTV			14,093		
YBM PCC 182 Primers & Vents for FDs			21,843		
YBM PCC 187 Escala. 1-4 HVAC change			20,000		
YBM PCC 202 YBM Mezz Light Fixtures			74,858		
YBM PCC 208 Added Conduits Invert			10,704		
YBM PCC 209 Tract Power GRS Downsiz			(15,824)		
YBM PCC 21 Delete Instrument & Monit			(50,195)		
YBM PCC 214 FHC and AR Phones			32,360		
YBM PCC 252 Protect In-Slab Pipes			10,000		
YBM PCC 260 Folsom St. AWSS Valve			54,318		
YBM PCC 287 Elevator Cab Handrail			120,127		
YBM PCC 37 SFAC Node Sculpture			79,292		
YBM PCC 41 Install #7 Box Clementin			(12,171)		
YBM PCC 69 SW Bulb-out at Stair#1			101,733		

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	UMS	CTS	YBM	STS	COST REPORT NOTES
YBM PCC 76R AWSS, SSFM, WM Design			207,216		
YBM PCC 79 Install 12in WM to Howar			243,022		
YBM PCC 82 Delete Scope Due to Hote			(39,025)		
YBM PCC 85R Ticketing Hall Changes			57,586		
YBM PCC 97 Change Concourse Opening			33,963		
YBM PCC 99 Art Glass Changes			34,040		
Proposed Contract Change (PCC)					
CTS PCC 067 Wall Shift North Access		(1,097)			
CTS PCC 083 Switchgear Breakers		30,001			
CTS PCC 104 Water Leak NE HH		20,001			
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 GlS Canopy on E		5,001			
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			
GEN PCC 33R End Platform Gate Revisi			57,403		
STS PCC 095 Frame/Grate Change				(50,001)	
STS PCC 114 Rev1 Stdpipe & Cond				30,000	
STS PCC 161 Delete Plat ESPBs				0	
STS PCC 206 Replace CCTV equipment				(1,600,000)	
STS PCC 226 Axle Counter Boxes				41,602	
STS PCC 236 Pavement Survey				2,000	
STS PCC 240 Conduit SFDT Reroute				4,000	
STS PCC 244 PDS Signs				(5,001)	
STS PCC 248 Restab Trac Pwr Ductban				20,000	
STS PCC 249 Add Water Line on 4th				25,000	
STS PCC 250 Add 2" TP Riser Conduits				20,000	
STS PCC 255 Sidewalk Restoration				33,000	
STS PCC 264 Track Drainage Mod				(15,000)	
STS PCC 265 Phone Encl Blue Light				20,000	
STS PCC 266 Track Curb Type Mod				(1,001)	
STS PCC 276 Traffic Signal Changes				3,000	
STS PCC 279 WD Work S 4th Brannan				30,000	
STS PCC 280 Pavement Reno Delete				(20,000)	

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	UMS	CTS	YBM	STS	COST REPORT NOTES
STS PCC 283 Power Dist Single Line				5,000	
UMS Locate PG&E Conduits	20,001				
UMS MRY Duct Bank-West	54,981				
UMS PCC 122 Drain Piping Details	332,252				
UMS PCC 181 Plaza ADA Enhancements	7,500				
UMS PCC 193 Lightbox & Glazed Door	21,001				
UMS PCC 201 Door Alarm Points	10,000				
UMS PCC 215 Rmv Conduits in Casing	15,000				
UMS PCC 216 Waterproofing Drainage	50,000				
UMS PCC 217 POC for Drain Line	5,001				
UMS PCC 219 Add Data & Power Outlet	77,000				
UMS PCC 221 Slab Interaction	8,000				
UMS PCC 225 Add Two S.S. Enclosures	5,000				
UMS PCC 228 Added 2"x4" conduits	5,000				
UMS PCC 247 Changes to RP-304	5,000				
UMS PCC 253 Pltfrm Lvl Hdwl Wale Re	35,000				
UMS PCC 256 Platform Art	(29,000)				
UMS PCC 257 Mezz Lvl Hdwl Wale Rein	35,000				
UMS PCC 261 Pltfrm Lvl Intrnl Drain	4,000				
UMS PCC 263 LED artwork	10,000				
UMS PCC 271 Metal Deck Support	30,000				
UMS PCC 272 PG&E Vaults on Ellis St	2,000				
UMS PCC 273 N Entrce Cncrs Lvl HVAC	30,000				
UMS PCC 275 Drainage at Stairs 3&4	2,000				
UMS PCC 277 N Entrnc WD Tie-ins	20,000				
UMS PCC 281 Power Infrastructure	50,001				
UMS PCC 291 Concourse Floor Drains	10,000				
UMS PCC 296 Water Meter on Ellis St.	(2,001)				
UMS PCC 94 Clean out MRY Ductbank	18,060				
USG PCC 109 Rein Dtls for Struc Con	10,001				
USG PCC 111 Conc Cemo & Rev Con Dtl	10,001				
USG PCC 113 Elv/Esc Pit Floor Slope	10,001				
USG PCC 123 South Wall Ground Beams	4,001				
USG PCC 125 Foot,SOG & Str St Chang	50,001				
USG PCC 147 Geary Streetlight	10,000				

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	UMS	CTS	YBM	STS	COST REPORT NOTES
USG PCC 154 Trench Drain at 17 Line	1,001				
USG PCC 155 16-D Footing Demolition	18,001				
USG PCC 156 CMU Footings	25,000				
USG PCC 157 Plaza Level Vent Shaft	3,000				
USG PCC 175 Drainage Under Slab	0				
USG PCC 185 Wall at Line 10 and Hyd	15,000				
USG PCC 197 Precast Planter Pots	8,650				
USG PCC 199R-1 Delete Bm and Plntrs	5,000				
USG PCC 89 E. Light Pole Foundation	2,501				
YBM PCC 126R2 Changes to Kiosks			20,000		
YBM PCC 140 Stair 3, Escalators 1&2			20,001		
YBM PCC 145 Stair 7/Escalators 3, 4			20,001		
YBM PCC 148 Elev.3, 4 Hoist Beam MP			40,001		
YBM PCC 152R1 Elevator 1 & 2 changes			100,001		
YBM PCC 210 Elev 1&2 MRL to Hydraul			(5,001)		
YBM PCC 268 Rstroom Fclty Wall Revs			0		
YBM PCC 290 Elimination of Intercar			(20,001)		
YBM PCC 301 Remove directional door			(20,001)		
YBM PCC 56 OCS Pole Foundations			551		
YBM PCC 59 Pavers Basis of Design			7,516		
YBM PCC 91 Concourse Beam Revision			15,001		
Approved	2,748,442	2,964,460	309,825	2,098,986	
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	

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	UMS	CTS	YBM	STS	COST REPORT NOTES
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 #1 BART Elevator Option 1 @ Pow	90,000				
Cmod #10 YBM PCC 042			64,287		
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				

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	UMS	CTS	YBM	STS	COST REPORT NOTES
CMod #55 YBM Archeological Discovery			102,734		
CMod #56 YBM Contaminated Material			106,923		
CMod #57 STS Crossover Materials				21,245	
CMod #58 STS DSC CORs				90,081	
CMod #59 CTS DSC CORs		66,592			
CMod #6 CTS Plaza Constr Supt Servi		75,000			
CMod #60 UMS USG Two Fuel Tanks	61,312				
CMod #61 YBM Various CORs			207,181		
CMod #62 UMS Wales and Waterproofing	277,714				
CMod #63 CTS DSC CORs		38,025			
CMod #64 STS DSC CORs and SFWD				52,570	
CMod #65 UMS Various CORs and PCCs	10,320				
CMod #66 STS Sewer Notching				66,949	
CMod #67 UMS Solar/Low-e Coating	23,290				
CMod #68 STS Various CORs				59,555	
CMod #69 UMS Various CORs	49,682				
CMod #70 YBM Various CORs			178,079		
CMod #71 UMS Haz and Asbestos Abate	81,907				
CMod #72 YBM COR 249. 566			74,694		
CMod #74 UMS PCC 39 12" Wtrln Reloc	336,236				
CMod #75 UMS COR 060 New 8" Wtr Line	58,672				
CMod #9 YBM COR 10,15,16,18,20,25			126,663		
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	
STS CMod 045 PCC 008 Tunnel Lowering				107,285	

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

Report Period: December 2017

		November 2017			December 2017				
Group by Contract & SCC	CATEGORY ITEM	November 2017 Base	November 2017 Allocated Contingency	November 2017 Base + Allocated Contingency (YOE)	December 2017 Base	December 2017 Allocated Contingency	December 2017 Base + Allocated Contingency (YOE)	BUDGET TRANSFERS [November 2017] vs. [December 2017]	Cost Report Notes
10-50	CONSTRUCTION CONTRACT PACKAGES	1,148,050,002	33,873,001	1,181,923,003	1,148,050,002	33,873,001	1,181,923,003	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	235,078,785	834,715	235,913,500	235,078,785	834,715	235,913,500	0	29
	Contract 1252 Form B Credit	(254,050)		(254,050)	(254,050)		(254,050)	0	
1300	CN1300 STATIONS TOTAL	847,798,114	31,878,286	879,676,400	847,798,114	31,878,286	879,676,400	0	30
1253: UMS	UNION SQUARE/MARKET STREET STATION [UMS]	296,779,032	17,251,558	314,030,590	296,779,032	17,251,558	314,030,590	0	
	UMS 1253 Form B Credit	(528,370)		(528,370)	(528,370)		(528,370)	0	
1254: CTS	CHINA TOWN STATION [CTS]	250,532,270	7,035,540	257,567,810	250,532,270	7,035,540	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]	158,398,825	4,690,176	163,089,001	158,398,825	4,690,176	163,089,001	0	
	YBM 1255 Form B Credit	(100,000)		(100,000)	(100,000)		(100,000)	0	
1256: STS	SURFACE TRACKWORK & SYSTEMS [STS]	142,087,986	2,901,013	144,988,999	142,087,986	2,901,013	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	47,446,751	1,160,000	48,606,751	47,446,751	1,160,000	48,606,751	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	30
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	31
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: December 2017

		November 2017			December 2017				
Group by Contract & SCC	CATEGORY ITEM	November 2017 Base	November 2017 Allocated Contingency	November 2017 Base + Allocated Contingency (YOE)	December 2017 Base	December 2017 Allocated Contingency	December 2017 Base + Allocated Contingency (YOE)	BUDGET TRANSFERS [November 2017] vs. [December 2017]	Cost Report Notes
40.02	JOB ORDER CONTRACTS (JOCS) - CONSTRUCTION	117,255		117,255	117,255		117,255	0	
40.08	AON RISK INSURANCE	18,088,750		18,088,750	18,088,750		18,088,750	0	
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	32
60.02	RELOCATION OF EXISTING HOUSEHOLDS	2,180,511		2,180,511	2,180,511		2,180,511	0	
70	VEHICLES	13,309,000	13,076,653	26,385,653	13,309,000	13,076,653	26,385,653	0	
70.01	LIGHT RAIL	13,309,000	13,076,653	26,385,653	13,309,000	13,076,653	26,385,653	0	33
70.07	SPARE PARTS								
80	PROFESSIONAL SERVICES	310,518,041	18,221,079	328,739,120	310,518,041	18,221,079	328,739,120	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: December 2017

		November 2017			December 2017				
Group by Contract & SCC	CATEGORY ITEM	November 2017 Base	November 2017 Allocated Contingency	November 2017 Base + Allocated Contingency (YOE)	December 2017 Base	December 2017 Allocated Contingency	December 2017 Base + Allocated Contingency (YOE)	BUDGET TRANSFERS [November 2017] vs. [December 2017]	Cost Report Notes
80.04	CONSTRUCTION ADMINISTRATION & MANAGEMENT	91,096,881	2,956,812	94,053,693	91,096,881	2,956,812	94,053,693	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	1,504,123,364	65,170,733	1,569,294,097	1,504,123,364	65,170,733	1,569,294,097	0	34
90	UNALLOCATED CONTINGENCIES			9,005,906			9,005,906		35
	TOTAL PROJECT COST 10 TO 100			1,578,300,003			1,578,300,003		
	TOTAL CONTINGENCY			74,176,639			74,176,639		
	CONTINGENCY MINIMUM			60,000,000			60,000,000		
	BELOW OR ABOVE MINIMUM			14,176,639			14,176,639		

COST STATUS BY CATEGORY	SCC CODES	Supplemental 2013 Budget/Original Budget	BUDGET November 2017	BUDGET TRANSFERS	BUDGET December 2017	December 2017 CTD	Remaining Budget (Column F - Column G)	December 2017 EAC	December 2017 Contingency	Cost Report Notes
		A	B	C	D	E	F	G	H	
GUIDEWAY & TRACK ELEMENTS	SCC 010	282,227,872	285,227,879	0	285,227,879	258,566,839	26,661,040	285,050,673	834,715	36
STATIONS, STOPS, TERMINALS, INTERMODAL	SCC 020	573,099,645	586,662,359	0	586,662,359	372,307,298	214,355,061	565,443,124	31,878,286	36
SITWORK & SPECIAL CONDITIONS	SCC 040	235,514,097	214,690,938	0	214,690,938	204,550,963	10,139,975	225,025,661	1,160,000	36
SYSTEMS	SCC 050	90,774,397	95,341,827	0	95,341,827	30,218,518	65,123,308	96,201,816		36
ROW, LAND, EXISTING IMPROVEMENTS	SCC 060	37,511,799	32,246,321	0	32,246,321	30,732,020	1,514,301	32,246,321		
VEHICLES	SCC 070	26,385,653	26,385,653	0	26,385,653	10,598,347	15,787,306	13,309,000	13,076,653	
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	196,972,082	0	196,972,082	138,199,810	58,772,272	180,109,425	16,862,657	
OTHER PROF SRVCS	SCC 080.05 - 080.08	24,416,118	24,246,033	0	24,246,033	11,688,777	12,557,256	22,887,611	1,358,422	
UNALLOC CONTINGENCY	SCC 090	3,883,480	9,005,903	0	9,005,903		9,005,903		9,005,906	
Grand Total		1,578,300,000	1,578,300,001	-	1,578,300,001	1,164,264,554	414,035,447	1,527,794,636	74,176,639	

SCC DESCRIPTION	December 2017 BUDGET	December 2017 CTD
010 - GUIDEWAY & TRACK ELEMENTS	285,227,879	258,566,839
020 - STATIONS, STOPS, TERMINALS, INTERMODAL	586,662,359	372,307,298
040 - SITEWORK & SPECIAL CONDITIONS	214,690,938	204,550,963
050 - SYSTEMS	95,341,827	30,218,518
060 - ROW, LAND, EXISTING IMPROVEMENTS	32,246,321	30,732,020
070 - VEHICLES (number)	26,385,653	10,598,347
080 - PROFESSIONAL SERVICES (applies to Cats. 10-50)	328,739,120	257,290,569
090 - UNALLOCATED CONTINGENCY	9,005,903	
Grand Total	1,578,300,001	1,164,264,554

SCC DESCRIPTION	December 2017 BUDGET	December 2017 CTD
010.02-Guideway: At grade semi-exclusive (allows cross-traffic)	2,860,000	1,862,500
010.06-Guideway: Underground cut & cover	69,816,407	63,367,177
010.07-Guideway: Underground tunnel	201,340,746	184,383,997
010.09-Track: Direct fixation	6,761,089	5,647,916
010.12-Track: Special (switches, turnouts)	4,449,637	3,305,250
020.01-At-grade station, stop, shelter, mall, terminal, platform	7,602,857	1,905,988
020.02-Aerial station, stop, shelter, mall, terminal, platform	2,901,013	0
020.03-Underground station, stop, shelter, mall, terminal, platform	554,456,652	364,791,599
020.07-Elevators, escalators	21,701,837	5,609,711
040.01-Demolition, Clearing, Earthwork	12,355,615	12,078,515
040.02-Site Utilities, Utility Relocation	60,820,234	67,143,068
040.03-Haz. mat'l, contam'd soil removal/mitigation, ground water treatments	7,534,128	6,134,721
040.04-Environmental mitigation, e.g. wetlands, historic/archeologic, parks	1,122,899	687,590
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	3,017,441
040.07-Automobile, bus, van accessways including roads, parking lots	6,579,099	4,751,033
040.08-Temporary Facilities and other indirect costs during construction	113,781,537	108,032,164
050.01-Train control and signals	28,127,939	7,459,819
050.02-Traffic signals and crossing protection	12,562,529	11,021,414
050.03-Traction power supply: substations	21,465,073	9,621,927
050.04-Traction power distribution: catenary and third rail	12,441,113	1,681,354
050.05-Communications	12,030,586	434,003
050.06-Fare collection system and equipment	6,100,000	0
050.07-Central Control	2,614,586	1
060.01-Purchase or lease of real estate	30,065,810	28,322,590
060.02-Relocation of existing households and businesses	2,180,511	2,409,430
070.01-Light Rail	26,385,653	10,598,347
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	69,245,916
080.04-Construction Administration & Management	94,053,693	68,953,894
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	4,497,714
080.07-Surveys, Testing, Investigation, Inspection	933,100	850,867
080.08-Start up	8,300,329	0
090.00-Unallocated Contingency	9,005,903	
Grand Total	1,578,300,001	1,164,264,554

[A] Cost Account Description	BUDGET	ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
	[B] December 2017 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	37
11 - SFMTA PROJECT MANAGEMENT	8,800,164	8,253,957	0	0	8,253,957	546,208	38
12 - SFMTA ENGINEERING SERVICES	11,425,594	11,425,594	0	0	11,425,594	0	39
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	40
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	41
32 - DPW - IDC ENGINEERING (HYDRAULIC)	3,336,432	3,336,432	0	0	3,336,432	0	
34 - DPW - IDC CONSTRUCTION (CAPTITAL)	17,462	17,462	0	0	17,462	0	
36 - DPW - BSM INFRASTRUCTURE (MAPPING)	76,549	76,549	0	0	76,549	0	
39 - DPW - PCS SITE ASSESSMENT & REMEDIATION (SAR)	13,993	13,993	0	0	13,993	0	
51 - 821 HOWARD STREET	1,005,653	1,005,653	0	0	1,005,653	0	
55 - 651 BRANNAN	2,294,910	2,294,910	0	0	2,294,910	0	42
63 - CENTRAL SUBWAY PARTNERSHIP - AECOM-EPC JV CONTRACT 149	26,793,234	26,793,234	0	0	26,793,234	0	43
66 - ANIL VERMA	395,204	395,204	0	0	395,204	0	44
67 - HILL INTERNATIONAL CONTRACT 156	6,716,294	6,716,294	0	0	6,716,294	0	45
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	46
72 - STATIONS - CONTRACT # CONTRACT 155-2	26,220,609	26,220,609	0	0	26,220,609	0	47
73 - SYSTEMS/INTEGRATION - CONTRACT 155-3	11,432,312	11,432,312	0	0	11,432,312	0	48
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	15,589,933	10,411,287	85,276	89,796	10,501,083	5,088,850	
1.3.011.01.080.03 - CM:SFMTA LABOR-PROJECT MANAGEMENT	15,589,933	10,411,287	85,276	89,796	10,501,083	5,088,850	
12 - SFMTA ENGINEERING SERVICES	2,923,582	2,490,242	7,916	11,004	2,501,246	422,336	
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	2,432,594	7,916	11,004	2,443,598	356,402	
13 - SFMTA CONSTRUCTION MANAGEMENT	37,118,350	12,235,225	90,338	87,655	12,322,881	24,795,470	
1.3.013.01.080.04 - CM:SFMTA LABOR-CONSTR. MANAGEM	37,118,350	12,235,225	90,338	87,655	12,322,881	24,795,470	
16 - DEPARTMENT OF PARKING AND TRAFFIC (DPT)	3,659,313	2,076,716	2,006	4,449	2,081,166	1,989,001	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT UMS	299,600	90,485	1,230	1,579	92,064	207,536	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT CTS	274,900	95,195	0	204	95,399	179,501	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT YBM	238,400	141,448	776	1,361	142,808	95,592	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT STS	876,876	255,452	0	1,306	256,758	620,118	

[A] Cost Account Description	BUDGET	ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
	[B] December 2017 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total		
1.3.016.02.040.08 - DPT: FIELD OPS TUNNEL [B84]	0	1,464	0	0	1,464	(1,464)	
1.3.016.02.040.08 - DPT: FIELD OPS TUNNEL [B86]	0	204,261	0	0	204,261	(204,261)	
1.3.016.06.040.02 - DPT:DPT TRAFFIC SHOP CONTRACT 1300	1,200,000	0	0	0	0	1,200,000	
1.3.016.08.040.08 - DPT:PCOS:2UTL [68A]	400,728	400,728	0	0	400,728	0	
1.3.016.08.040.08 - DPT:SSD CN:2UTL	0	108,020	0	0	108,020	(108,020)	
1.3.016.08.080.04 - DPT:SSD [1326]	252,536	252,536	0	0	252,536	0	
1.3.016.08.080.04 - DPT:SSD [13BN]	23,302	23,302	0	0	23,302	0	
1.3.016.08.080.04 - DPT:SSD [13CN]	963	963	0	0	963	0	
1.3.016.08.080.04 - DPT:SSD [B85]	92,008	92,008	0	0	92,008	0	
1.3.016.03.040.08 - PCOS:1300/UMS [68CPT544132W.CPT544132W]	0	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	4,052	0	0	4,052	(4,052)	
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	58,656	0	0	58,656	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	17,506	0	0	17,506	32,749	
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	700,000	944,829	0	0	944,829	(244,829)	
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 DUR	548,200	817,966	0	0	817,966	(269,766)	
21 - ARTS COMMISSION	12,010,886	3,727,270	4,555	6,937	3,734,207	8,276,679	
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]	1,934,893	388,167	0	0	388,167	1,546,726	49
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]	623,268	632,614	4,538	6,920	639,533	(16,265)	
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [PWA335MPFUNA.CPT5441327]	5,639	8,512	0	0	8,512	(2,873)	
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	1,287,414	17	17	1,287,431	615,569	
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	1,474,969	0	0	1,474,969	696,812	
1.3.023.01.080.06 - ATTY:CN LEGAL-CITY ATTORNEY OF	2,171,781	1,474,969	0	0	1,474,969	696,812	
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	3,609,219	26,251	66,330	3,675,548	566,464	
1.3.028.02.040.02 - CM:CTYCO-PUBLIC UTIL COMM. (PUC)	0	4,745	0	0	4,745	(4,745)	

[A] Cost Account Description	BUDGET	ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
	[B] December 2017 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total		
1.3.028.02.040.08 - PUC: FIELD OPERATIONS TUNNEL	398,400	508,800	0	0	508,800	(110,400)	
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	221,119	0	19,396	240,515	365,839	
1.3.028.03.080.04 - PUC:CMB CONTRACT 1300/UMS INSPECTION	230,000	34,508	0	0	34,508	195,492	
1.3.028.04.040.02 - PUC:CDD CONTRACT 1300/CTS SUPPORT	271,755	201,959	0	0	201,959	69,796	
1.3.028.04.080.04 - PUC:CMB CONTRACT 1300/CTS INSPECTION	115,000	39,942	1,301	3,045	42,987	72,013	
1.3.028.05.040.02 - PUC:CDD CONTRACT 1300/YBM SUPPORT	450,282	358,118	8,118	0	358,118	92,164	
1.3.028.05.080.04 - PUC:CMB CONTRACT 1300/YBM INSPECTION	184,000	70,933	2,863	3,828	74,760	109,240	
1.3.028.06.040.02 - PUC:CMB CONTRACT 1300/SFWD AWSS MATERIAL	225,079	229,172	1,478	2,004	231,175	(6,096)	
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	566,959	4,163	32,404	599,363	(79,286)	
1.3.028.09.080.04 - PUC:CMB CONTRACT 1300/STS INSPECTION	207,000	268,479	8,327	5,654	274,132	(67,132)	
32 - DPW - IDC ENGINEERING (HYDRAULIC)	1,150,459	270,309	1,894	2,146	272,454	783,722	
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	39,017	0	0	39,017	258,921	
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	33,368	0	0	33,368	268,514	
1.3.032.06.080.04 - 1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112B112]	85,275	85,275	0	0	85,275	0.00	50
1.3.032.06.080.04 - 1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112C112]	109,658	109,658	0	0	109,658	0.00	51
1.3.032.06.080.04 - 1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112D112]	15,791	15,791	0	0	15,791	0.00	52
1.3.032.06.080.04 - 1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112E112]	11,193	11,193	0	0	11,193	0	53
1.3.032.06.080.04 - 1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112F112]	107,798	107,798	0	0	107,798	0	54
1.3.032.06.080.04 - 1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112G112]	21,690	47,917	0	0	47,917	(26,227)	55
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	83,572	1,894	2,146	85,718	94,282	
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	111,741	0	0	111,741	353,821	
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	45,977	0	0	45,977	2,456	
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	

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	[B] December 2017 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total		
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2250]	78,400	78,400	0	0	78,400	0	
1.3.039.01.080.04 -DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2257]	151,515	151,515	0	0	151,515	0	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2313]	24,343	24,343	0	0	24,343	0	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION	58,757	10,109	0	0	10,109	48,648	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [CE13]	31,367	31,367	0	0	31,367	0	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [CH13]	100,000	8,621	0	0	8,621	91,379	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR)	17,000	0	0	0	0	17,000	
1.3.039.02.080.04 - DPW: SITE ASSESSMENT & REMEDIATION (SAR) – CN1252 [13CE11]	18,632	16,880	0	0	16,880	1,753	
1.3.039.02.080.04 - DPW: SITE ASSESSMENT & REMEDIATION (SAR) – CN1300 [13CH11]	41,379	24,761	0	0	24,761	16,618	
46 - MACY'S WEST - SFPUC SEWER WORK	258,202	258,202	0	0	258,202	0	
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	628,154	7	811	628,965	141,878	
1.3.051.01.080.03 - ODC.HWRD:ODCs - 821 HOWARD STR	696,753	600,636	7	0	600,636	96,117	
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	16,573	0	811	17,384	37,616	
1.3.051.06.080.04 - ODC.HWRD:W/MTA INST WTR SVC @ STS&YBM TRAILER	9,090	9,889	0	0	9,889	(799)	
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	56
63 - CENTRAL SUBWAY PARTNERSHIP - AECOM-EPC JV CONTRACT 149	49,490,087	37,129,820	1,127,756	3,437	37,133,257	12,356,830	
1.3.063.01.080.03 - CM:PM:AECOM.CS149 OM-EPC JV CS149-PM	6,746,248	5,017,804	0	0	5,017,804	1,728,444	57
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3B]	2,074,243	1,969,213	0	0	1,969,213	105,030	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3E]	7,000,000	6,386,250	0	0	6,386,250	613,750	
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]	1,587,361	7,154,291	504,954	(502,204)	6,652,087	(5,064,726)	
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3G][PM]	1,799,052	1,788,573	126,239	(125,551)	1,663,022	136,030	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3H]	1,000,000	360,407	360,407	477,038	837,445	162,555	
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3H][PM]	1,000,000	90,102	90,102	119,260	209,361	790,639	
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]	550,000	515,694	0	0	515,694	34,306	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9E]	600,000	523,943	0	0	523,943	76,057	
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]	201,760	501,912	0	0	501,912	(300,152)	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9H]	250,000	46,055	46,055	34,895	80,950	169,050	
1.3.063.01.080.04 - FD:CM:EPC JV CS49-PM [123A]	5,579,945	5,579,945	0	0	5,579,945	0	
1.3.063.97.080.03 - AECOM.CS149 ALLOCAT CONTING	13,905,845					13,905,845	
64 - CN1300 JOB READINESS PROGRAM	1,060,000	187,589	116,245	30,750	218,339	841,661	58
1.3.064.06.040.08 - CN1300 JOB READINESS PROGRAM	1,060,000	187,589	116,245	30,750	218,339	841,661	
67 - HILL INTERNATIONAL CONTRACT 156	11,000,000	2,557,576	3,767	10,152	2,567,727	8,432,273	
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	

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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	93,111	3,767	10,152	103,262	463,663	
69 - BAYLAND SOIL PROCESS CONTRACT 175	500,000	255,144	0	0	255,144	244,856	59
1.3.069.06.040.01 - BAYLAND.CS175:BAYLAND SOIL PROCESS [133K]	500,000	255,144	0	0	255,144	244,856	
71 - TUNNEL/UTILITIES - CONTRACT # CONTRACT 155-1	2,158,846	2,098,874	0	0	2,098,874	59,972	
1.3.071.01.080.04 - CM: CS155.1 DESIGN SUPPORT DURING CM [1232]	0	(87,201)	0	0	(87,201)	87,201	60
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	11,040,815	449,093	1,464,301	12,505,116	(2,892,700)	
1.3.072.01.080.04 - CM: CS155.2 DESIGN SUPPORT DURING CM [1233]	51,351	51,351	0	0	51,351	0	61
1.3.072.01.080.04 - CM: CS155.2 DESIGN SUPPORT DURING CM [1333]	9,561,065	10,989,464	449,093	1,464,301	12,453,766	(2,892,701)	
73 - SYSTEMS/INTEGRATION - CONTRACT 155-3	4,828,269	2,757,807	48,883	56,455	2,814,262	2,014,007	
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	2,668,016	48,883	56,455	2,724,472	2,013,797	
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)	62
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	235,913,500	233,589,322	0	0	233,589,322	2,324,178	
83 - GUIDEWAY TUNNELS - CONTRACT # 1252 BASE	233,584,015	231,914,862	0	0	231,914,862	1,669,153	63
1.3.083.02.010.06 - CONTRACT 1252:GUIDEWAY:UNDERGRND 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	105,181,925	0	0	105,181,925	241,165	
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	10,487,676	0	0	10,487,676	407,324	
1.3.083.02.040.03 - CONTRACT 1252:SITWORK:HAZMAT&MITIGAT	200,000	0	0	0	0	200,000	
1.3.083.02.040.04 - CONTRACT 1252:SITWORK:ENVIRON. MITIG	300,000	54,292	0	0	54,292	245,708	
1.3.083.02.040.06 - CONTRACT 1252:SITWORK:PED/BIKE ACCES	50,000	4,532	0	0	4,532	45,468	
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	30,270,012	0	0	30,270,012	529,488	
83 - GUIDEWAY TUNNELS - CONTRACT # 1252 CMODs	1,494,770	1,674,459	0	0	1,674,459	(179,690)	64
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	1,941,810	1,670,233	0	0	1,670,233	271,576	

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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	935,588	0	0	935,588	100,000	
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	(3,052,510)	(2,501,244)	0	0	(2,501,244)	(551,266)	
1.3.083.93.010.07 - CONTRACT 1252: TUNNEL ALLOC CONTING	834,715	0	0	0	0	834,715	65
CONTRACT 1300 - STATIONS, TRACKWORK AND SYSTEMS TOTAL	879,676,400	557,765,748	9,752,012	11,188,643	568,954,391	310,722,009	66
84 - UNION SQUARE/MARKET STREET STATION (UMS) - WORK PACKAGE 1253	294,030,590	214,740,541	2,361,722	3,460,665	218,201,206	75,829,384	20
1.3.084.03.020.03 - UMS.1253: UNDERGROUD STATION	253,081,452	187,954,364	2,071,557	3,095,425	191,049,789	62,031,663	
1.3.084.03.020.07 - UMS.1253: ELEVATORS ESCALATOR	9,465,694	2,039,766	140,915	259,740	2,299,506	7,166,188	
1.3.084.03.040.01 - UMS.1253: DEMOLITION CLEARING	6,071,588	6,054,088	0	0	6,054,088	17,500	
1.3.084.03.040.02 - UMS.1253: SITE UTILITIES UTIL	4,360,395	3,149,587	26,250	0	3,149,587	1,210,808	
1.3.084.03.040.03 - UMS.1253: HAZARDOUS MATERIALS	550,000	166,224	0	0	166,224	383,776	
1.3.084.03.040.04 - UMS.1253: ENVIRONMENTAL MITIGA	244,500	194,500	0	0	194,500	50,000	
1.3.084.03.040.06 - UMS.1253: PEDESTRIAN/BIKE	18,969	12,501	0	0	12,501	6,468	
1.3.084.03.040.07 - UMS.1253: AUTOMOBILE BUS ACCE	1,158,410	243,701	75,000	0	243,701	914,709	
1.3.084.03.040.08 - UMS.1253: TEMPORARY FACILITIES	11,139,701	9,957,851	10,000	85,000	10,042,851	1,096,850	
1.3.084.03.050.02 - UMS.1253: TRAFFIC SIGNALS AND	4,773,076	4,671,076	35,500	20,000	4,691,076	82,000	
1.3.084.03.050.03 - UMS.1253: TRACTION POWER SUPPL	1,815,534	201,204	2,500	0	201,204	1,614,330	
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	28,501	0	500	29,001	1,105,313	
84 - UNION SQUARE/MARKET STREET STATION (UMS) CMODs	2,748,442	2,596,091	27,500	0	2,596,091	152,351	
1.3.084.84.020.03 - CMOD:UMS.1253: UNDERGROUD STATION	60,746	21,258	0	0	21,258	39,488	
1.3.084.84.020.07 - CMOD:UMS.1253: ELEVATORS, ESCALATORS	90,000	90,000	0	0	90,000	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	1,381,815	27,500	0	1,381,815	112,863	
1.3.084.84.040.03 - CMOD:UMS.1253: HAZARDOUS MATERIALS	81,907	81,907	0	0	81,907	0	
1.3.084.84.040.08 - CMOD:UMS.1253: TEMPORARY FACILITIES	76,124	76,124	0	0	76,124	0	
1.3.084.94.020.03 - UMS.1253: AC: ALLOC CONTING	17,251,558	0	0	0	0	17,251,558	67
85 - CHINATOWN STATION (CTS) - WORK PACKAGE 1254	247,567,810	159,755,523	3,777,528	3,016,356	162,771,879	84,795,931	
1.3.085.04.010.07 - CTS.1254: GUIDEWAY: UNDERGROUND TUNNEL	76,417,579	70,307,929	3,548,828	1,899,863	72,207,792	4,209,787	
1.3.085.04.020.03 - CTS.1254: UNDERGROUND STATION	133,001,053	63,728,307	166,200	569,127	64,297,434	68,703,619	
1.3.085.04.020.07 - CTS.1254: ELEVATORS ESCALATOR	6,812,856	1,277,501	52,500	60,000	1,337,501	5,475,355	
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	0	4,933,586	1,068,132	
1.3.085.04.040.03 - CTS.1254: HAZARDOUS MATERIALS	350,000	306,500	0	0	306,500	43,500	
1.3.085.04.040.04 - CTS.1254: ENVIRONMENTAL MITIGA	325,665	286,064	0	0	286,064	39,601	
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	16,145,272	10,000	110,240	16,255,512	315,810	
1.3.085.04.050.02 - CTS.1254: TRAFFIC SIGNALS AND	1,599,593	1,247,923	0	10,699	1,258,622	340,971	
1.3.085.04.050.03 - CTS.1254: TRACTION POWER SUPPL	4,063,927	996,000	0	366,427	1,362,427	2,701,500	
1.3.085.04.050.04 - CTS.1254: TRACTION POWER DISTRIBUTION	124,481	81,940	0	0	81,940	42,541	

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1.3.085.04.050.05 - CTS.1254: COMMUNICATIONS	1,658,938	15,000	0	0	15,000	1,643,938	
85 - CHINATOWN STATION (CTS) CMODs	2,964,460	2,151,769	0	665,570	2,817,339	147,121	68
1.3.085.85.020.03 - CMOD:CTS.1254: UNDERGROUND STATION	75,000	0	0	0	0	75,000	
1.3.085.85.040.01 - CMOD:CTS.1254: POWER POLE	155,956	148,212	0	0	148,212	7,744	
1.3.085.85.040.02 - CMOD:CTS.1254: SITE UTILITIES UTIL	401,572	337,200	0	0	337,200	64,372	
1.3.085.85.040.03 - CMOD:CTS.1254: HAZARDOUS MATERIALS	2,274,225	1,608,650	0	665,570	2,274,220	5	
1.3.085.85.040.08 - CMOD:CTS.1254: TEMPORARY FACILITIES	57,707	57,707	0	0	57,707	0	
1.3.085.95.020.03 - CTS.1254: AC: ALLOC CONTING	7,035,540	0	0	0	0	7,035,540	69
86 - YERBA BUENA MOSCONE STATION (YBM) - WORK PACKAGE 1255	158,089,000	114,574,442	2,092,603	1,962,024	116,536,466	41,552,534	
1.3.086.05.020.03 - YBM.1255: UNDERGROUND STATION	118,405,840	86,791,796	1,484,978	1,776,034	88,567,830	29,838,010	
1.3.086.05.020.07 - YBM.1255: ELEVATORS ESCALATOR	5,333,287	1,827,604	525,125	55,100	1,882,704	3,450,583	
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	6,659,200	72,500	55,950	6,715,150	448,128	
1.3.086.05.040.03 - YBM.1255: HAZARDOUS MATERIALS	2,629,439	1,865,355	0	0	1,865,355	764,084	70
1.3.086.05.040.04 - YBM.1255: ENVIRONMENTAL MITIGA	100,000	0	0	0	0	100,000	
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	1,228,105	0	4,940	1,233,045	309,680	
1.3.086.05.040.08 - YBM.1255: TEMPORARY FACILITIES	15,564,753	12,973,826	10,000	60,000	13,033,826	2,530,927	
1.3.086.05.050.02 - YBM.1255: TRAFFIC SIGNALS AND	1,726,492	1,684,754	0	10,000	1,694,754	31,738	
1.3.086.05.050.03 - YBM.1255: TRACTION POWER SUPPL	3,708,425	831,300	0	0	831,300	2,877,125	
1.3.086.05.050.05 - YBM.1255: COMMUNICATIONS	1,241,096	55,501	0	0	55,501	1,185,595	
86 - YERBA BUENA MOSCONE STATION (YBM) CMODs	309,825	(182,059)	0	0	(182,059)	491,884	
1.3.086.86.020.03 - CMOD:YBM.1255: UNDERGROUND STATION	(1,833,869)	(1,833,869)	0	0	(1,833,869)	0	
1.3.086.86.040.01 - CMOD:YBM.1255: DEMOLITION CLEARING	266,386	259,386	0	0	259,386	7,000	70
1.3.086.86.040.02 - CMOD:YBM.1255: SITE UTILITIES UTIL	1,585,079	1,135,684	0	0	1,135,684	449,395	
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	0	0	0	0	35,489	
1.3.086.86.040.08 - CMOD:YBM.1255: TEMPORARY FACILITIES	3,178	3,178	0	0	3,178	0	
1.3.086.96.020.03 - YBM.1255: AC: ALLOC CONTING	4,690,176	0	0	0	0	4,690,176	71
87 - SURFACE TRACKWORK AND SYSTEMS -WORK PACKAGE 1256	139,989,000	62,256,453	1,502,754	2,084,028	64,340,481	75,648,519	
1.3.087.09.010.02 - STS.1256: GUIDEWAY: AT-GRADE SEMI-EXCLUSIVE (ALLOWS CROSS TR	2,860,000	1,536,250	516,250	326,250	1,862,500	997,500	
1.3.087.09.010.06 - STS.1256: GUIDEWAY: UNDERGROUND CUT & CVR	9,257,731	2,726,001	85,000	82,500	2,808,501	6,449,230	
1.3.087.09.010.07 - STS.1256: GUIDEWAY: UNDERGROUN	16,723,552	4,443,893	60,000	880,153	5,324,046	11,399,506	
1.3.087.09.010.09 - STS.1256: TRACK DIRECT FIXATION	6,761,089	5,622,916	175,000	25,000	5,647,916	1,113,174	
1.3.087.09.010.12 - STS.1256: TRACK: SPECIAL	4,449,637	2,618,600	0	686,650	3,305,250	1,144,387	
1.3.087.09.020.01 - STS.1256: AT-GRADE STATION	7,602,857	1,658,488	50,000	247,500	1,905,988	5,696,869	
1.3.087.09.040.02 - STS.1256: SITE UTILITIES, UTILITY RELOCA	17,464,046	14,413,997	462,777	18,550	14,432,547	3,031,499	
1.3.087.09.040.03 - STS.1256: HAZARDOUS MATERIALS	200,000	191,960	0	0	191,960	8,040	70
1.3.087.09.040.04 - STS.1256: ENVIRONMENTAL MITIGATION	50,000	50,000	0	0	50,000	0	70
1.3.087.09.040.07 - STS.1256: AUTOMOBILE BUS ACCE	2,116,925	1,709,425	30,250	0	1,709,425	407,500	
1.3.087.09.040.08 - STS.1256: TEMPORARY FACILITIES	13,896,832	11,416,351	0	0	11,416,351	2,480,480	
1.3.087.09.050.01 - STS.1256: TRAIN CONTROL AND SIGNALS	27,543,451	7,409,819	0	0	7,409,819	20,133,632	

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1.3.087.09.050.02 - STS.1256: TRAFFIC SIGNALS AND	4,463,368	3,288,787	18,977	88,175	3,376,962	1,086,406	
1.3.087.09.050.03 - STS.1256: TRACTION POWER SUPPL	9,889,014	3,552,763	42,500	(282,750)	3,270,013	6,619,001	
1.3.087.09.050.04 - STS.1256: TRACTION POWER DISTRIBUTION	6,099,675	1,294,702	0	0	1,294,702	4,804,973	
1.3.087.09.050.05 - STS.1256: COMMUNICATIONS	7,996,237	322,500	62,000	12,000	334,500	7,661,737	
1.3.087.09.050.07 - STS.1256: CENTRAL CONTROL	2,614,586	1	0	0	1	2,614,585	
87 - SURFACE TRACKWORK AND SYSTEMS (STS) CMODs	2,098,986	1,872,988	(10,095)	0	1,872,988	225,998	
1.3.087.89.040.02 - CMOD:STS.1256: SITE UTILITIES, UTILITY RELOCA	930,702	802,175	(10,095)	0	802,175	128,527	
1.3.087.89.040.03 - CMOD:STS.1256: HAZARDOUS MATERIALS	18,221	18,219	0	0	18,219	2	
1.3.087.89.040.08 - CMOD:STS.1256: TEMPORARY FACILITIES	1,053,547	1,052,594	0	0	1,052,594	953	
1.3.087.89.050.01 - CMOD:STS.1256: TRAIN CONTROL	96,516	0	0	0	0	96,516	
1.3.087.99.020.01 - STS.1256: AC: ALLOC CONTING	2,901,013	0	0	0	0	2,901,013	72
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	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	18,113,750	18,798,132	0	0	18,798,132	(684,382)	
1.3.181.01.040.08 - AON.CS163 AON RISK INS.	18,088,750	18,773,132	0	0	18,773,132	(684,382)	
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	0	0	0	0	5,400,000	
1.3.191.01.050.06 - FARE.CONsul:FARE COLLECTION	5,400,000	0	0	0	0	5,400,000	
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 UTIL1 LGHT FNDS	63,938	0	0	0	0	63,938	
203 - JOC2-029.0	53,317	0	0	0	0	53,317	
1.3.203.07.040.02 - JOC0292-029: RELOCATE VAULTS-S	53,317	0	0	0	0	53,317	
302 - PG&E	1,988,173	3,956,983	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	60,455	0	0	60,455	890,901	

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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	27,304	0	0	27,304	874,052	
333 - AMERICAN PUBLIC TRANSP. ASSOCIATION (APTA) CS-APTA	146,500	62,112	0	0	62,112	84,388	
1.3.333.01.080.03 - APTA:APTA - IRP [2G]	46,500	31,054	0	0	31,054	15,446	
1.3.333.01.080.03 - APTA:APTA - IRP [2C]	100,000	31,058	0	0	31,058	68,942	
334 - BART FARE COLLECTION SYSTEM	700,000	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	237,534	0	0	237,534	4,837	
1.3.402.07.050.04 - DT:1UTL:COMM. CONNECTIONS	166,756	166,179	0	0	166,179	577	
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)	73
1.3.491.03.040.02 - FORMB - UMS:CONTRACT 1300 UTILITY REIMBURSEMENT	(528,370)	0			0	(528,370)	74
1.3.491.04.040.02 - FORMB - CTS:CONTRACT 1300 UTILITY REIMBURSEMENT	(451,703)	0			0	(451,703)	75
1.3.491.05.040.02 - FORMB - YBM:CONTRACT 1300 UTILITY REIMBURSEMENT	(100,000)	0			0	(100,000)	76
1.3.491.06.040.02 - FORMB - CONTRACT 1300 UTILITY REIMBUR	0	0			0	0	77
1.3.491.07.040.02 - FORMB - CONTRACT 1250 UTILITY REIMBUR	(2,275,419)	0			0	(2,275,419)	78
1.3.491.08.040.02 - FORMB - CONTRACT 1251 UTILITY REIMBUR	(7,618,412)	0			0	(7,618,412)	79
1.3.491.09.040.02 - FORMB - STS:CONTRACT 1300 UTILITY REIMBURSEMENT	(1,000,000)	0			0	(1,000,000)	80
TOTAL CONSTRUCTION PHASE	1,349,149,982	949,524,213	11,715,998	13,022,866	962,547,079	386,813,194	
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	11,131,868	8,450,565	0	0	8,450,565	2,681,304	
1.4.091.97.070.01 - LRVA:AC: VEHICLES ALLOC CONTI	13,076,653					13,076,653	23
TOTAL VEHICLES	26,385,654	10,598,347	0	0	10,598,347	15,787,307	
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	15,955,637	14,307,667	0	0	14,307,667	1,647,970	
1.5.015.01.060.01 - RE: REAL ESTATE	766,272	766,272	0	0	766,272	0	
1.5.015.01.060.01 - RE: REC & PARK MOU	6,987,624	6,987,624	0	0	6,987,624	0	
1.5.015.01.060.01 - RE:-DEPT OF TRANSPOR	2,686,000	2,686,000	0	0	2,686,000	0	
1.5.015.01.060.01 - RE:-LICENSES FEES	400,000	381,311	0	0	381,311	18,689	
1.5.023.01.060.01 - ATTY:REAL ES	2,764,373	2,764,872	0	0	2,764,872	(499)	
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	30,626,116	0	0	30,626,116	1,514,302	
90 - CONTINGENCY	74,176,633	0	0	0	0	74,176,633	

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1.7.500.91.090.00 - UNALLOCATED CONTINGENCY	9,005,903					9,005,903	81
TOTAL ALLOCATED CONTINGENCY	65,170,730					65,170,730	
TOTAL PROJECT COST	1,578,300,005	1,151,241,688	11,715,998	13,022,866	1,164,264,554	414,245,741	

Connecting people. Connecting communities.

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

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7.4 Contingency Management Trend Report

17	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.
18	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.
19	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.
20	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.
21	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.
21a	In December 2017 Report, \$1,060,000 Job Readiness Budget is shown as an approved change in Column "b".
21b	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.
22	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.
23	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.

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24	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.
25	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.
26	Estimate at Completion is shown at Column "e".
27	Estimate at Completion vs. Budget variance is shown at Column "k".

7.5 Contract Modification/Trend Log - Contract 1300 Stations

28	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.
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7.6 Budget Revisions: Report Sorted by Construction Packages

29	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.
30	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.
31	In April 2015, initiated budget from program unallocated contingencies for CS-175 Bayland Soil Process contract, refer to Note 20.
32	In February 2017, released completed phase real estate assigned contingency \$5,265,478 to program unallocated contingency.
33	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.

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34	<p>In October 2016 report, 1252 program contingency increased by \$319,658 due to execution of three contract modifications as credit offsets. In November 2016 report, took away \$75,000 funding from program's unallocated contingency and moved to CTS allocated contingency. In February 2017 report, initiated budget from program unallocated contingencies for CN1300 Job Readiness Program. CN1300 Job Readiness Program budget was part of CN1300 base value, a deduction contract modification will lower CN1300 contract value. Also released \$5,265,478 assigned real estate contingency to program unallocated contingency. In June 2017, initiated budget from Contract 1251's contract value (true final administrative close out cost) to program unallocated contingency, a deduction contract modification that lowered CN1251's contract value by \$125,501.</p>
35	<p>In April 2015 report, program contingency decreased by \$500,000. In August 2015 report, release \$15M CN1252 Tunnel assigned contingency to program unallocated contingency. In March 2016 report, released \$155,468 from Contract 1252 Tunnel assigned contingency and \$75,000 from Contract 1300 Stations assigned contingency totaling \$230,956. In August 2016, released a total of \$20M unassigned contingency to assigned contingency; \$15M to CN1300 UMS station and \$5M to CTS station. In February 2017 report, initiated budget from program unallocated contingencies for CN1300 Job Readiness Program. CN1300 Job Readiness Program budget was part of CN1300 base value, a deduction contract modification will lower CN1300 contract value. Also released \$5,265,478 assigned real estate contingency to program unallocated contingency. In July 2017, increased program unallocated contingency by \$125, 501 due to CN1251's revised contract value.</p>

7.7 Budget Expenditures by SCC Codes

36	<p>In March 2017, added new columns for "Supplemental 2013 Budget" and "Remaining Budget". In April, added new column for "Contingency". In May 2017, added new column for "Report Note". In May 2017, breakdown the combined SCC codes 10 to 50 into individual row for 10, 20, 40, 50 categories. Assigned SCC code to all CN1300 potential changes. Contract 1300 Station assigned contingency SCC are 20.01 and 20.03. The budget transfer is using assigned contingency to process contract modifications. In June 2017, adjusted and realigned SCC codes.</p>
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7.9 Detail Monthly Expenditure Report

Phase 1 Preliminary Engineering

37	<p>In February 2017, line item budget was adjusted to line-up expenditures. Famis cost for Preliminary Engineering (PE) is \$48,210,903.71. Cost Report for Preliminary Engineering (PE) is \$46,542,060. Some Design cost reported in Famis were moved to Design Phase.</p>
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Phase 2 Design Phase	
38	Famis cost adjustment to transfer Project Management cost from July 2013 to Phase 3 Construction Phase.
39	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.
40	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]
41	In December 2016 Report, Central Subway Project has re-activated CSA Audit Work Order to perform overhead audit for three consultant forms.
42	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]
43	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]
44	AVA Cost \$395,204 is reported in Phase 2 Final Design 1.2.066.01.080.03
45	In January 2017 Report, remove variance amount of (\$920,555) that was incorrectly reported in August 2016.
46	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]
47	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]
48	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]

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Phase 3 CONSTRUCTION PHASE	
49	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
50	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.
51	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.
52	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.
53	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.
54	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.
55	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.
56	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
57	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]
58	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.
59	Used \$500K program contingency for CS-175 Bayland Soil Process contract. Refer to Report Notes #20.

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60	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]
61	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]
62	Contract 1251 Final cost is \$20,794,582.
63	In March 2016, July 2016 and October 2016, contract 1252 modifications budget and actuals have been realigned and adjusted to reflect actuals costs.
64	In March 2016, July 2016 and October 2016, contract 1252 modifications budget and actuals have been realigned and adjusted to reflect actuals costs.
65	Revised Contract 1252 allocated contingency SCC code from 040.08 to 010.07.
66	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.
67	Revised Contract 1300/UMS allocated contingency SCC code from 040.08 to 020.03.
68	In March 2016 Report, reduced Contract 1252 contingency by \$377,435 cost to reflect certification of five CMODS.
69	Revised Contract 1300/CTS allocated contingency SCC code from 040.08 to 020.03.
70	Negative Current or Prior Monthly expenditure is due to replenish allowance expenses by approved Contract Modifications.
71	Revised Contract 1300/YBM allocated contingency SCC code from 040.08 to 020.03.
72	Revised Contract 1300/STS allocated contingency SCC code from 040.08 to 020.01.
73	Revised Form B Reimbursements SCC code from 900.01 to 040.02
74	Revised Form B Reimbursements SCC code from 900.01 to 040.02
75	Revised Form B Reimbursements SCC code from 900.01 to 040.02
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	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 29.

Appendix B

DETAIL SCHEDULE REPORTS

SCHEDULE HIGHLIGHTS

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

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

The controlling critical (longest) path of the MPS runs through CTS Excavation succeeded by Headhouse Concrete work, 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. A schedule re-evaluation will be performed, utilizing the updated Contract 1300 Schedule. Recovery options are being implemented in key areas as work proceeds. SFMTA continues to meet with Contractor to discuss all schedule concerns and comments. Excavation and Support of the Top Center Drift, Center Bench and Invert Steps of the South Platform Cavern continues. Despite expected ground conditions as described in the GBR, TPC's mining productivity has not been as planned. In an effort to recover some lost time, the Engineer of Record authorized a change of working sequence allowing TPC to perform South Drift excavation of the Crossover prior to completing the South Platform Cavern excavation. These changes allowed Contract 1300 Schedule to maintain the current forecasted Revenue Service Date of December 2019 for the sixth month without additional delay.

Contract 1300 Contractor submitted thirty six (36) Schedule Updates from December 2014 to November 2017. SFMTA rejected twenty (20) Schedule Updates from January 2016 to April 2016 and June 2016 to September 2017 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 Contractors 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 December 2017 schedule is used within the December Report. The SFMTA Contract 1300 December 2017 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.

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

- Completed excavation and support for Platform Cavern North (PCN); removed top half of temporary sidewalls
- Completed on Cross Over Cavern (COC) Right Side Drift
- 70% completed COC Center Drift (top heading, bench, invert)
- Continued street work (minor), ongoing monitoring and surveying
- 85% completed barrel vault installation for COC (through Reach 6 of 7)
- Excavated and installed Level 6 Wales and Struts
- Began excavation and installation of Level 7 Wales and Struts
- Continued compensation grouting

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

- Continue smoothing layer of shotcrete for Platform Cavern North & South, Cross Over Cavern Center Drift, and Cross Over Cavern Side Drifts
- Cross Over Cavern – continue and complete Center Drift Excavation (top heading, bench, and invert)
- Complete compensation grouting
- Complete, excavate, and install Level 7 Wales and Struts

Activity ID	Activity Name	2017											
		Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	
CENTRAL SUBWAY PROJECT													
Construction Phase													
Construction CN-1300													
Construction CTS Station P-1254R													
CTS.31.71.800	TB-4 SEM Additional Flashcrete												
CTS.31.71.810	TB-5 SEM Additional Shotcrete												
CTS.31.71.820	TB-6 SEM Additional Lattice Girders												
CTS.31.71.830	TB-7 SEM Additional Steel Arches												
CTS.31.71.840	TB-8 SEM Additional Face Bolts												
CTS.31.71.850	TB-9 SEM Additional Metal Sheets												
CTS.31.71.860	TB-10 SEM Additional Probe Holes												
CTS.31.71.870	TB-11 SEM Additional Grout Holes												
CTS.31.71.880	TB-12 SEM Additional Permeation Grouting												
CTS.31.71.890	TB-13 SEM Additional Pocket Excavation												
CTS.31.71.900	TB-14 SEM Additional Drilled Gravity Dewatering Pipes/ Gravity Well Points												
CTS.31.71.910	TB-15 SEM Additional Vacuum Well Points												
CTS.31.71.780	TB-2 SEM Additional Grouted Pipe Spiles												
CTS.31.71.790	TB-3 SEM Additional Barrel Vault Pipes												
CTS.31.71.770	TB-1 SEM Additional Rebar Spiles												
C.3.860	South Emergency Egress Tunnel M.E.P												
CTS.31.43.140	CTS_ Compensation Grouting - As Required												
CTS.31.71.630	Demo Sidewalls & Repair Headwall South Platform Cavern 176Lf												
CTS.31.71.700	Excavate & Support Center Drift												
CTS.31.71.485	Demo Sidewall, Repair Headwall for North Platform Cavern Excavation												
CTS.31.71.720	Excavate & Support Center Bench - Crossover												
CTS.31.71.730	Excavate & Construct Invert - Crossover												
CTS.31.71.740	Demo Sidewalls, Repair Headwall & Top Joint - Crossover												
CTS.31.71.495	Repair Invert Joint North Platform Cavern 110Lf												
CTS.31.20.335	Excavate to 3' Below Level 7 Struts EL -7.5 Col 4.0-11.0												
CTS.31.60.370	Install Temp Level 7 Struts & Wales & Preload												
CTS.33.61.110	CTS_Perform: Utilities: Gas Line Washington/Stockton												
CTS.31.71.520	Initial Excavation & Support - South Emergency Egress Tunnel												
CTS.01.78.100	CTS_Prep/Submit Warranties (Prior to Substantial Completion)												
CTS.31.71.530	Complete Excavation & Support - South Emergency Egress Tunnel												
CTS.31.74.870	Final Lining South Emergency Egress Tunnel												
CTS.31.71.710	Remove Crossover Excavation Ramp												
CTS.33.13.220	CTS_Complete Water Distribution - Washington St												
CTS.32.13.270	Re-open Washington Street												
CTS.31.71.750	Repair Invert Joint - Crossover												
CTS.31.74.700	Place Smoothing Concrete - Final Lining invert - Crossover Cavern												
CTS.GP.73.2018	Chinatown - Rain Day Allocation for Weather Affected Activities - 2018 (Januar												
CTS.31.20.380	Excavate Headhouse to Invert Slab EL-18.87												
CTS.31.71.780	Excavation & Mining Complete												
CTS.31.74.705	Install Waterproofing - Final Lining invert - Crossover Cavern												
CTS.31.74.550	Final Lining North Emergency Egress Tunnel												
CTS.31.74.800	Place Smoothing Concrete - Final Lining Arches - Crossover Cavern												
CTS.31.20.010	Prep Invert Slab, Install Ground Mat, Gravel, Mud Slab												
CTS.31.74.630	Place Smoothing Concrete Final Lining Invert - Platform Cavern North												
CTS.07.13.320	Install Waterproofing - Invert Slab												
CTS.31.74.900	Install Waterproofing & Grout Pipes - Final Lining - Platform Cavern North												
CTS.31.74.715	Install Rebar & Grout Piping - Final Lining invert - Crossover Cavern												

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

- Platform Station: Continued construction of wale encasements and placement of the metal deck at Platform and Mezzanine levels. Continued installation of “Scalloped Walls” at Platform level
- Emergency exit stairs 3 and 4: Continued F/R/P for walls, stairs, and landings
- North Concourse: Commenced F/R/P of maintenance and ventilation shaft walls and continued construction on wale encasement, shotcrete walls and metal deck at Fan Level. Commenced rough in for elevators, escalators and fire sprinklers
- South Concourse: Continued escalator ramp walls and slab transition
- Ellis Street: Continued pavement restoration work at Ellis Street
- Stockton Street: Implemented 2017 Holiday Moratorium Winter Walk

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

- Platform Station: Continue construction of wale encasements at Concourse Levels. Continue scallop wall constructions at Platform level. Continued deck installation at Mezzanine Level
- Emergency exit stairs 3 and 4: Complete structural work including surface restoration and utilities
- North Concourse: Continue structural work at Fan level and Concourse level
- South Concourse: Remove shoring and formwork in preparation for South Escalator construction.
- Ellis Street: Complete sidewalks at intersection of Stockton Street
- Stockton Street at Market Street: Dismantling of 2017 Holiday Moratorium Winter Walk. Complete Sidewalks and Crosswalks

Activity ID	Activity Name	2018											
		Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	
CENTRAL SUBWAY PROJECT													
Construction Phase													
Construction CN-1300													
Construction UMS Station P-1253													
UMS.31.50.0790	UMS_Backfill, Install Utilities & Restore Street North Of Geary												
UMS.03.30.1830	UMS_Place 6" Mud Slab - South Concourse Slab on Grade												
UMS.03.30.1840	UMS_Place Grout Protection Slab - South Concourse Slab on Grade												
UMS.03.37.0700	UMS_Install Drain Pipe & Grout Fill Void Between Piles - Roof To Concourse L												
UMS.22.14.0100	UMS_Install Storm Drainage (22 14 00)												
UMS.31.50.0101	UMS_Remove Temporary Excavation Support Level 1 Pour #1												
UMS.22.13.0120	UMS_CN07 - Connect Surface Drainage to Existing 8" Sewer Lateral.												
UMS.22.11.0170	UMS_ISL_Install DCW Below Concourse Level Slab												
UMS.31.50.0107	UMS_Remove Temporary Excavation Support Level 1 Pour #7												
UMS.09.00.0140	UMS_Painting & Coating Concourse Level												
UMS.23.31.0245	UMS_CN_Install HVAC Exhaust Main Exhaust Air Plenum To EXF-002												
UMS.23.31.0275	UMS_CN_Install HVAC Exhaust Main - EXF-002 To Risers @ A/16												
UMS.23.31.0295	UMS_CN_Install HVAC Supply Main SF-002 to Risers @ A/16												
UMS.23.31.0305	UMS_CN_09 Install HVAC Duct Branches Mech Rm												
UMS.31.50.0201	UMS_Remove Temporary Excavation Support Level 2 - Pour #1												
UMS.22.11.0150	UMS_CN02_Install DCW - Sector 2												
UMS.31.20.1345	UMS_Remove Temporary Struts & Wales For South Concourse Escalator												
UMS.27.51.0310	UMS_PSL_Install: Comm: SF&D & Emerg Phone System Raceway - Platform S												
UMS.31.50.0207	UMS_Remove Temporary Excavation Support Level 2 - Pour #7												
UMS.26.24.2100	UMS_PL 12 - Aux Elect Rm: Install Raceway - Panelboard 4SHL												
UMS.26.12.0820	UMS_PL 04 - Aux Elect Rm: Install Feeder Conduit - Transformer T-11 T0 4NP												
UMS.03.30.1535	UMS_Form/Rebar/Pour Walls For South Concourse Escalator Upper Landing												
UMS.26.24.1870	UMS_CN_28 Elect Closet: Install Raceway - Panelboard E2SHL 2 To E3DHL (M)												
UMS.26.24.1910	UMS_CN_28 Elect Closet: Install Raceway - Panelboard 2SHL2 To 3DHL (M211)												
UMS.32.12.0100	UMS_Pave - Stockton/Market Intersection												
UMS.14.24.0250	UMS_Install Support Brackets & Rails - Elevator 1												
UMS.22.11.0180	UMS_PSL_Install DCW Below Mezzanine Level Slab												
UMS.14.24.0300	UMS_Install Support Brackets & Rails - Elevator 2												
UMS.23.74.0945	UMS_CN_Install Refrigerant Rack Piping - ACCU's to Chase @ A/16												
UMS.03.30.0330	UMS_Form/Rebar/ Pour Garage Ventilation Shaft Walls - Concourse to Garage												
UMS.03.30.0335	UMS_Form/Rebar/ Pour Garage Ventilation Shaft Walls - Concourse to Garage												
UMS.03.30.2410	UMS_Form/Rebar - North Concourse Slab on Metal Deck Pour #1												
UMS.03.30.2345	UMS_Form/Rebar - North Concourse Wale Encasement Pour #2												
UMS.03.11.1067	UMS_Set Shoring For Mezzanine Level Deck & Wale - Pour #7												
UMS.03.30.1067	UMS_Form/Rebar/ Wale Encasement - Mezzanine Level - Pour #7												
UMS.03.30.1005	UMS_Rebar/ Exterior Walls - Invert to Platform Strut Level - Pour #5												
UMS.03.30.1027	UMS_Form/Rebar/ Wale Encasement - Platform Strut Level - Pour #7												
UMS.03.30.1003a	UMS_Form/ East Exterior Walls - Invert to Platform Strut Level - Pour #3												
UMS.12.10.9010	UMS_Initiate Art work Project Kick Off meeting- Suspended Stainless Soroll Sool												
UMS.12.10.9020	UMS_Initiate Art work Project Kick Off meeting- Suspended Composite Acrylic/ C												
UMS.12.10.9030	UMS_Initiate Art work Project Kick Off Meeting- Graphics for Glass Roof System												
UMS.23.73.0315	UMS_CN_Install Air Cooled Condensing Unit #2												
UMS.31.43.150	UMS_Compensation Grouting - As Required												
UMS.08.02.0140	UMS_Install Laminated Glass Roof Walk System Garage Terrace Level												
UMS.03.30.1810	UMS_CN FR/P Stair 06 Concourse - Up To Ellis Street												
UMS.03.30.1013a	UMS_Place Concrete / East Exterior Architectural Walls - Invert to Platform Stru												
UMS.03.30.1005b	UMS_Form/ West Exterior Walls - Invert to Platform Strut Level - Pour #5												

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

- Continued to replace the force main and AWSS at 4th & Howard
- Continued to investigate utility conflicts for 36" force main at Howard
- Began F/R/P of Stair 4 stairs and walls
- 80% completed on electrical rough-in on Mezzanine – Station box
- 60% completed on electrical rough-in on Concourse – Station box
- Poured Stair 1 Walls
- Poured North End of Platform at Headwall
- Began F/R/P of Stair 2
- Began installing Elevators 1 and 2 Hoist Beams
- Delivered Escalators 1 and 2 to project area
- Continued rough-in fire sprinkler, began installing hangers, piping, FM-200 piping (Headhouse Invert)
- 25% completed on electrical rough-in on Headhouse-Invert Walls
- Continued F/R/P Headhouse-Concourse columns
- Poured F/R/P Headhouse-Mezzanine deck

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

- Continue utility work at intersection of 4th & Folsom and 4th & Howard
- Install street lights at 4th and Clementina
- Install new FH at 4th and Folsom
- Continue F/R/P of Stair 4 stairs and walls
- Place PG&E and AT&T utilities in Stair 4 area per PCC 159
- Complete electrical on Mezzanine – Station Box
- Pour South end West Side topping slab, Mezzanine – Station box
- Continue electrical rough-in on Concourse, pour Station Concourse topping slab
- Complete installing Pyrok, Platform level
- Complete F/R/P Stair 2 (Station Platform)
- Install Elevators 1 and 2 (Station Platform)
- Install Escalators 1 and 2 (Station Platform)
- Continue Rough-in Fire Sprinkler (Headhouse Invert)
- Pour Headhouse Invert topping slab
- Complete F/R/P Headhouse-Concourse columns
- Install Stairs 5 and 6

Activity ID	Activity Name	2017											
		Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	
CENTRAL SUBWAY PROJECT													
Construction Phase													
Construction CN-1300													
Construction YBM Station P-1255													
Y.1.020	Open all Traffic- 4th Street												
YBM.07.80.120	Install Fire & Smoke Protection, Mineral Wool, Mezzanine Level (07 80 00)												
YBM.26.05.1076	YBM_PL 207 - Aux Elect Rm: Install - System Ground Bus												
YBM.26.05.1086	YBM_MZ 301 - Aux Elect Rm: Install - System Ground Bus												
YBM.26.05.1096	YBM_CN 320 - Aux Elect Rm: Install - System Ground Bus												
YBM.26.05.1066	YBM_PL 106 - Aux Elect Rm: Install - System Ground Bus												
YBM.05.12.105	Erect Plumb/ Weld Structure Steel, Headhouse/ Vent Shaft Structure												
YBM.21.13.315	YBM_MZ Install Fire Protection System Branches & FHC's - Mezzanine Sector 1												
YBM.21.13.335	YBM_MZ Install Fire Protection System Branches & FHC's - Mezzanine Sector 2												
YBM.07.80.110	Install Fire & Smoke Protection, Mineral Wool, Concourse Level (07 80 00)												
YBM.26.11.0940	YBM_IV301 - Main Elect Rm: Install Riser Conduit In Chase To Mezz Mech Rm												
YBM.22.14.190	YBM_CN Install Domestic Water- Concourse Sector 1												
YBM.22.14.200	YBM_CN Install Domestic Water- Concourse Sector 2												
YBM.21.13.395	YBM_CN Install Fire Protection System Branches, Drops & FHC's -Concourse :												
YBM.21.13.415	YBM_CN Install Fire Protection System Branches, Drops & FHC's -Concourse :												
YBM.05.02.480	Install Stair #4 Rails from Platform to Mezz Level												
YBM.21.13.455	YBM_PL Install Fire Protection System Branches & Drops -Above Platform: Sect												
YBM.21.13.475	YBM_PL Install Fire Protection System Branches & Drops -Above Platform: Sect												
YBM.21.13.485	YBM_PL Install Fire Protection Deluge Mains - Under Platform Sector 1												
YBM.21.13.505	YBM_PL Install Fire Protection Deluge Mains - Under Platform Sector 2												
YBM.26.24.1160	YBM_PL 106 - Aux Elect Rm: Install Raceway - Panelboard LCP-1N (Lighting C												
YBM.26.24.1330	YBM_PL 207 - Aux Elect Rm: Install - Panelboard 1SHL (NB/SB Tunnel Lighting												
YBM.26.24.1390	YBM_PL 207 - Aux Elect Rm: Install Raceway - Panelboard E1SHL												
YBM.26.24.1050	YBM_PL 106 - Aux Elect Rm: Install Raceway - Panelboard 1NHL (Public Light												
YBM.23.68.280	YBM_MZ_202 - Plenum#: Install -Tunnel Ventilation Dampers TD-23 & 24												
YBM.26.24.1090	YBM_PL 106 - Aux Elect Rm: Install Raceway - Panelboard E1NHL												
YBM.23.68.290	YBM_MZ_202 - Plenum#: Install -Tunnel Ventilation Dampers SD-01A & 01B												
YBM.23.68.300	YBM_MZ_202 - Plenum#: Install -Tunnel Ventilation Dampers TD-21 & 22												
YBM.26.24.1300	YBM_PL 207 - Aux Elect Rm: Install Raceway - Panelboard 1SP1 (Receptades)												
YBM.26.24.1340	YBM_PL 207 - Aux Elect Rm: Install Raceway - Panelboard 1SHP												
YBM.26.24.1420	YBM_PL 207 - Aux Elect Rm: Install Raceway - Panelboard LCP-1S												
YBM.26.24.1030	YBM_PL 106 - Aux Elect Rm: Install Raceway - Panelboard 1NP												
YBM.26.24.1200	YBM_PL 106 - Aux Elect Rm: Install Raceway - Panelboard E1NP (Receptades)												
YBM.26.24.1230	YBM_PL 106 - Aux Elect Rm: Install Raceway - Panelboard 1NHP												
YBM.26.24.1120	YBM_PL 207 - Aux Elect Rm: Install Raceway - Panelboard E1SP												
YBM.26.56.190	YBM_Install: Elect: Roadway Lighting (26 56 19)												
YBM.21.12.425	YBM_IV Install Fire Suppression System DSP & TSP Mains Under Platform Sect												
YBM.26.24.1440	YBM_MZ 301 - Aux Elect Rm: Install - Emergency Ventilation Panel												
YBM.03.30.1160	FR/P Concourse Level Columns												
YBM.21.12.415	YBM_IV Install Fire Suppression System DSP & TSP Mains Under Platform Sect												
YBM.03.30.630	FRP Stair #4 Invert from Mezz to Surface Level												
YBM.03.53.110	2" Max Concrete Topping Slab, Mezz Level Plenum 1												
YBM.03.30.1450	FRP Stair #2 from Platform to Concourse Level												
YBM.03.30.590	Metal Deck/ Railing Stair #3 from Platform to Concourse Level												
YBM.03.53.120	2" Max Concrete Topping Slab, Concourse Level												
YBM.03.30.640	FRP Stair #4 Walls from Mezz to Surface Level												
YBM.26.11.1110	YBM_IV301 - Main Elect Rm: Install 5KV Switchgear - "SG-TV" (TV21-23 Fans)												

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

- Continued 18" AWSS installation on 4th/Brannan intersection
- Continued OCS pole installation
- Completed track work between Townsend and Bluxome
- Started 4th/Brannan surface station pile caps
- Continued track plinth construction and track installation inside tunnels

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

- Complete 18" AWSS installation
- Complete MRY ductbank installation
- Continue OCS pole installation
- Continue pavement renovation at major intersections
- Continue track installation in tunnel
- Continue excavation for track slab at major intersections

Activity ID	Activity Name	2017												2018													
		Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct			
CENTRAL SUBWAY PROJECT																											
Construction Phase																											
Construction CN-1300																											
Construction STS P-1256																											
STS.34.22.3350	STS_Pull & Terminate TP Cables MRY Ductbanks MH 1895 to 1896 - 4th Street																										
STS.34.42.2280	STS_Install: Train Control - Train Control Conduit - & JB's NB Union Square to																										
STS.34.42.2320	STS_Install: Train Control - Train Control Conduit - & JB's SB Union Square to																										
STS.34.42.1950	STS_Install: Surface Signaling - TS Case No.2 - 4th/Bluxome																										
STS.34.42.2270	STS_Install: Train Control - Train Control Conduit - & JB's NB Portal To Moscor																										
STS.34.42.2310	STS_Install: Train Control - Train Control Conduit - & JB's SB Portal To Moscor																										
STS.28.05.2820	STS_Install: Street Lighting - Install Street Light Arms & Luminaires In Townsen																										
STS.34.41.1990	STS_Demo/Salvage: Traffic Signals 4th St																										
STS.34.41.2000	STS_Install: Traffic Signals 4th St																										
STS.32.13.690	STS_Prepare Phase 2 4th Street Subgrade - At Brannan St Intersection																										
STS.32.13.780	STS_R/F/P Phase 2 4th Street Curbs & Gutters - At Brannan St Intersection																										
STS.32.13.1050	STS_R/F/P Phase 2 4th Street Sidewalks - At Brannan St Intersection																										
STS.28.05.2320	STS_Demo: Street Lighting - Demo Street Lighting In 4th St - Brannan To Bluxo																										
STS.28.05.2330	STS_Demo: Street Lighting - Demo Street Lighting In 4th St - Bluxome To Towr																										
STS.28.05.2300	STS_Demo: Street Lighting - Demo Street Lighting In 4th St - Welsh To Freelon																										
STS.28.05.2310	STS_Demo: Street Lighting - Demo Street Lighting In 4th St - Freelon To Brannan																										
STS.32.13.570	STS_R/F/P Phase 2 4th Street 12' Base Slab - At Brannan St Intersection																										
STS.34.41.2110	STS_Install: Traffic Signal Displays 4th St/Brannan																										
STS.28.05.2750	STS_Install: Street Lighting - Install Street Light Arms & Luminaires In 4th St - B																										
STS.28.05.2760	STS_Install: Street Lighting - Install Street Light Arms & Luminaires In 4th St - W																										
STS.28.05.2770	STS_Install: Street Lighting - Install Street Light Arms & Luminaires In 4th St - F																										
STS.28.05.2780	STS_Install: Street Lighting - Install Street Light Arms & Luminaires In 4th St - B																										
STS.34.42.1960	STS_Install: Surface Signaling - VTS Cabinet - 4th/Bryant																										
STS.28.05.2830	STS_Install: Street Lighting - Install Street Light Arms & Luminaires In Brannan																										
STS.34.21.2740	STS_Install: Traction Power - Sectionalized Breakers SB20 & SB21 - 4th/Bryant																										
STS.32.13.1500	STS_Prepare Phase 1 4th Street Subgrade - At Bryant St Intersection																										
STS.32.13.1510	STS_R/F/P Phase 1 4th Street Curbs & Gutters - At Bryant St Intersection																										
STS.32.13.1300	STS_Prepare Phase 1 4th Street Subgrade - At Brannan St Intersection																										
STS.34.42.1940	STS_Install: Surface Signaling - Switches 1A & 3A - 4th St Crossover																										
STS.34.42.1850	STS_Install: Surface Signaling - Switches 1B & 3B - 4th St Crossover																										
STS.32.13.1310	STS_R/F/P Phase 1 4th Street Curbs & Gutters - At Brannan St Intersection																										
STS.32.13.1540	STS_R/F/P Phase 1 4th Street Sidewalks - At Bryant St Intersection																										
STS.32.13.1340	STS_R/F/P Phase 1 4th Street Sidewalks - At Brannan St Intersection																										
STS.32.13.1520	STS_R/F/P Phase 1 4th Street 12' Base Slab - At Bryant St Intersection																										
STS.34.11.130	Install NB Tunnel Trackwork - Moscone to Union Square (1,950 TF)																										
STS.34.11.120	Install SB Tunnel Trackwork - Moscone to Union Square (1,950 TF)																										
STS.34.41.2040	STS_Install: Traffic Signal Controllers 4th St																										
STS.03.30.141N	STS_FR/P NB Tunnel Walkway 1st L/R/Standpipe Landing Moscone to Union S																										
STS.03.30.146S	STS_FR/P SB Tunnel Walkway 1st L/R/Standpipe Landing Moscone to Union S																										
STS.34.42.1900	STS_Install: Surface Signaling - VTS Loops for Traffic Signals - NB King St to P																										
STS.34.42.1910	STS_Install: Surface Signaling - VTS Loops for Track Switch Control - SB King S																										
STS.34.42.1930	STS_Install: Surface Signaling - VTS Loops for Track Switch Control - NB King S																										
STS.34.42.1920	STS_Install: Surface Signaling - VTS Loops for Traffic Signals - SB King St to P																										
STS.34.42.2490	STS_Install: Surface Signaling - Install Rail Bonding - NB 4th St																										
STS.34.42.2500	STS_Install: Surface Signaling - Install Rail Bonding - SB 4th St																										
STS.34.11.0380	STS_FR/P Trackway Curb - Freelon St To Bryant St																										
STS.34.11.0340	STS_FR/P Trackway Curb - Bluxome St To Brannan																										

SCHEDULE REVISIONS

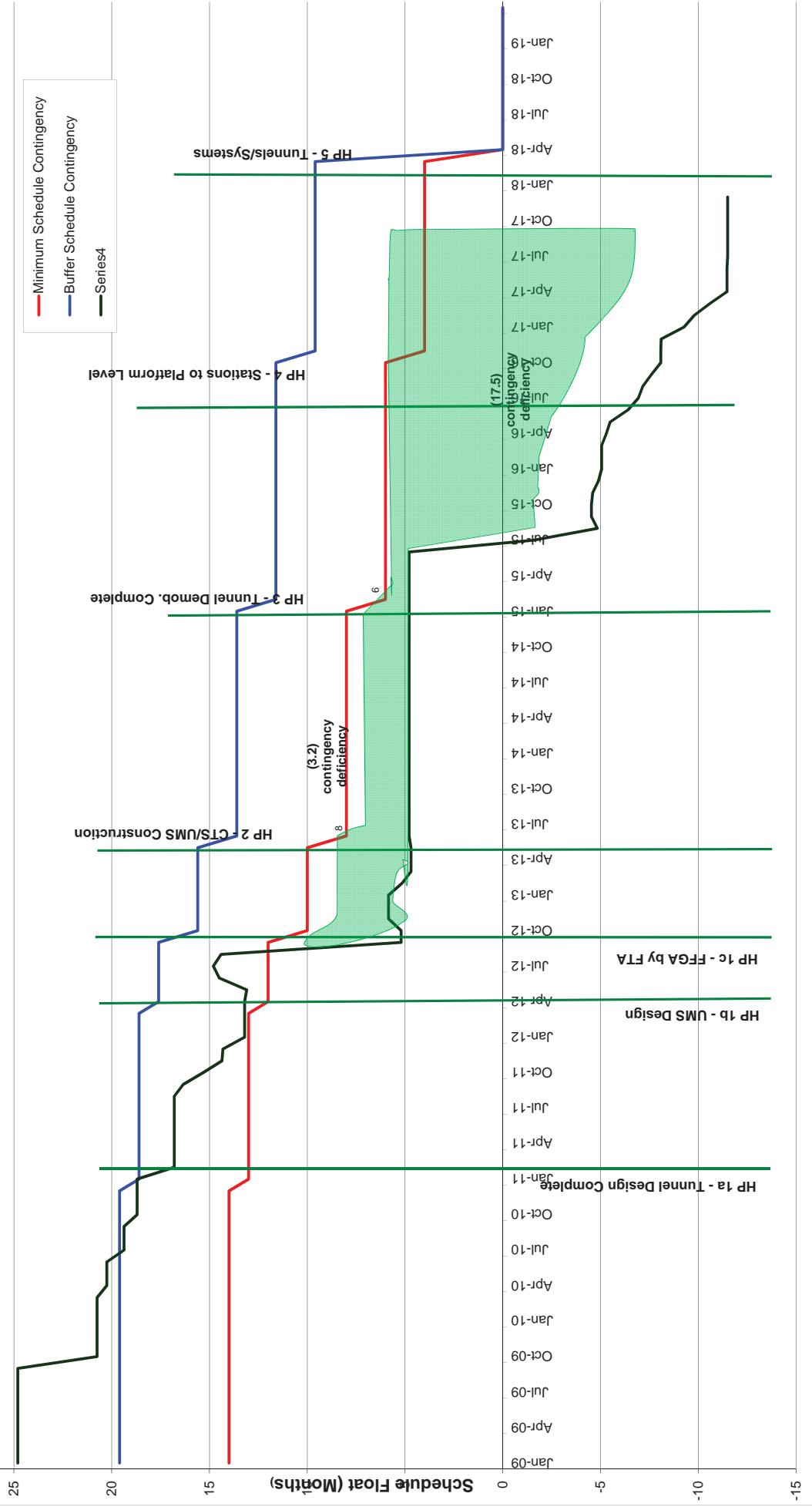
The SFMTA Contract 1300 December 2017 schedule update was added this period to the Central Subway Project Master Schedule.

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

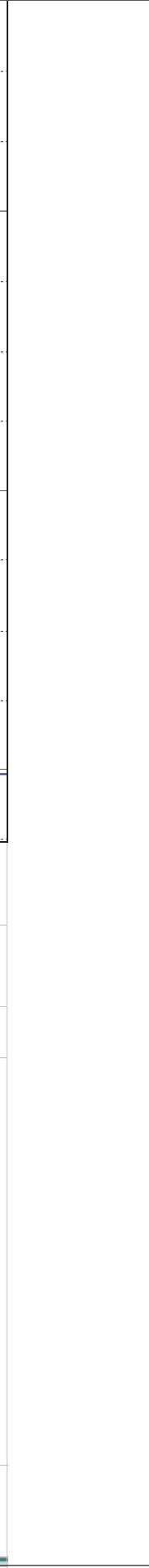
CENTRAL SUBWAY PROJECT Schedule Contingency Drawdown

December 2017



Minimum Schedule Contingency
Buffer Schedule Contingency
Series4

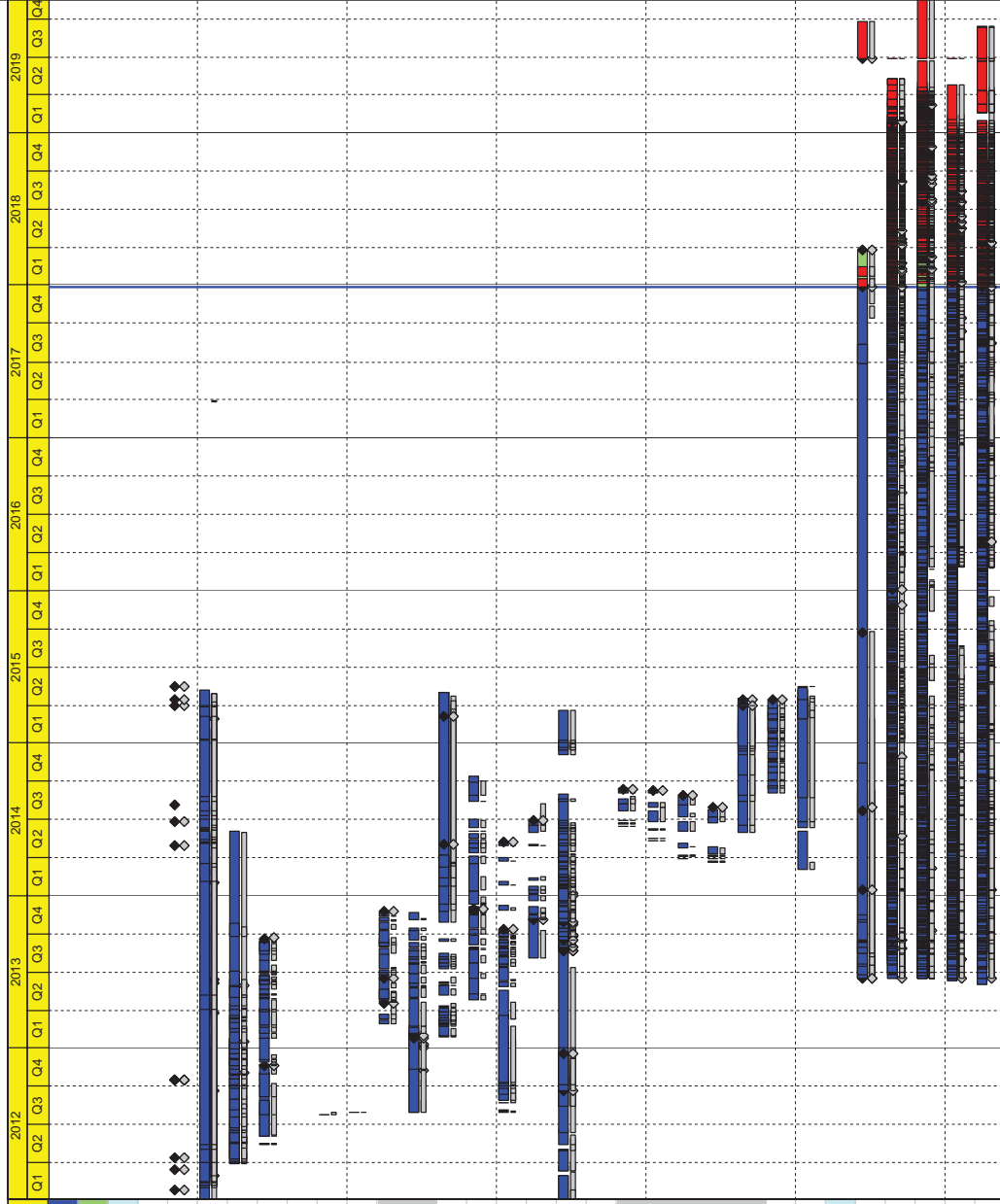
Activity ID	Activity Name	Original Duration	Start	Finish	2018				2019				2020		
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
CENTRAL SUBWAY PROJECT															
Program Level Milestones															
PJD1000	Central Subway Project Start	4834	06/03/03 A	12/14/21											
MS0004A	Tunnel Excavation Complete - Project Milestone #4A	0	06/03/03 A	12/14/21											
MS0019	Baseline Finish Date: 12-26-2018	0		09/05/14 A											
MS0009	CSP Revenue Service Date	0		12/10/19*											
MS0010	Grant Closeout - CSP Complete	0		12/10/19*											
Preliminary Engineering Phase															
	Final Design	2661	06/03/03 A	01/07/10 A											
	Light Rail Vehicles	1811	01/08/10 A	06/17/13 A											
	Real Estate	2357	04/15/13 A	09/27/19											
	Construction Phase	3130	08/01/08 A	12/28/17											
	Construction Support and Costs	2743	01/04/10 A	07/12/20											
	Construction Utility Contract #1 - MOS & Portal CN-1250	3108	01/04/10 A	07/12/20											
	Construction Utility Contract #2 - UMS CN-1251	505	01/04/10 A	05/23/11 A											
	Construction Tunnels CN-1252	643	01/12/11 A	10/15/12 A											
	Construction CN-1300	1518	06/08/11 A	12/28/17											
	CN- 1300 Milestone	1704	06/03/13 A	11/30/19											
	Construction UMS Station P-1253	1683	06/17/13 A	11/30/19											
	Construction CTS Station P-1254R	1704	06/17/13 A	06/27/19											
	Construction YBM Station P-1255	1683	06/17/13 A	11/29/19											
	Construction STS P-1256	1651	06/10/13 A	06/27/19											
	Project Start Up	1626	06/03/13 A	09/11/19											
	STU1010 S&S Certification / Pre-Revenue Activities	167	06/26/19	12/10/19											
	BUF0018 Muni Float	115	06/26/19	12/10/19											
	Unallocated Contingency	0	12/10/19	12/10/19											
	CO1.700 Cost Activity Unallocated Contingency (LOE) - 1.7.500.99.090.00 - Contingency	493	12/26/17	12/10/19											
	Project Management	493	12/26/17	12/10/19											
	STU1040 After Study	505	12/10/19	12/14/21											
		505	12/10/19	12/14/21											



SFMTA Central Subway Project
 Master Project Schedule
 Summary Schedule - December 2017

Required Revenue Service Date: 26-Dec-18
 Data Date: 12/26/17

Program Level Milestones	Activity Name	Start Date	End Date	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
M20/09	On-site Finish Date: 12-26-2018	0	12/01/19												
M20/09	CSP Revenue Service Date	0	12/01/19												
M20/10	Substantial Completion: 1/30 Calendar Day (SP-4,B) (10-Feb-18)	0	02/02/19												
MS-10 Milestones															
Construction CTS Start-Up P-124R		54	02/02/19												
CTS.11.7.634	Demo Sidewalks & Repair Headwall South Platform Cavern TBM	0	02/02/19												
CTS.11.7.635	Excavate & Support Center Drift - Crossover	90	02/02/19												
CTS.11.7.636	Excavate & Support Center Drift - Crossover	90	02/02/19												
CTS.11.7.637	Excavate & Support Center Drift - Crossover	90	02/02/19												
CTS.11.7.638	Excavate & Support Center Drift - Crossover	90	02/02/19												
CTS.11.7.639	Excavate to 3' Below Level 7 Struts EL: 7.5 Cd. 4.9-1.0	15	12/17/18												
CTS.11.7.640	Excavate to 3' Below Level 7 Struts & Walls & Preload	15	12/17/18												
CTS.11.7.641	Excavate Headhouse to Invert Stab EL: -18.87	13	03/02/19												
CTS.11.7.642	Prep Invert Slab, Install Ground Mat, Gravel, Mud Slab	6	03/21/19												
CTS.11.7.643	Install Waterproofing - Invert Slab	9	03/21/19												
CTS.11.7.644	Form/Rebar/Pour - Invert Slab - Head House	14	04/02/19												
CTS.11.7.645	Form/Rebar/Pour - Invert Slab (Head House)	14	04/02/19												
CTS.11.7.646	Form/Rebar/Pour - Platform Level Slab to Platform Level	15	05/10/19												
CTS.11.7.647	Form/Rebar/Pour - Platform Level Slab - Headhouse	5	06/07/19												
CTS.11.7.648	Concrete Cure Strip - Platform Level Slab	5	06/07/19												
CTS.11.7.649	CTS, CN Remove Level 5 Struts & Walls	5	06/07/19												
CTS.11.7.650	Form/Rebar/Pour - Columns to Concours Level (3 ea)	5	06/07/19												
CTS.11.7.651	Form/Rebar/Pour - Headhouse Concours Level Slab	5	06/07/19												
CTS.11.7.652	CTS, CN Install Formwork - Headhouse Concours Level Slab	5	06/07/19												
CTS.11.7.653	CTS, CN Form/Rebar/Pour - Headhouse Concours Level Slab	5	06/07/19												
CTS.11.7.654	CTS, CN Form/Rebar/Pour - Columns Concours Slab to Intermediate LVL	5	07/21/19												
CTS.11.7.655	Install Formwork - For Intermediate Level Slab	10	07/30/19												
CTS.11.7.656	Form/Rebar/Pour - Intermediate Level Slab	10	08/02/19												
CTS.11.7.657	Form/Rebar/Pour - Columns Intermediate Slab to Lower Mezz Level	5	08/16/19												
CTS.11.7.658	Form/Rebar/Pour - Columns Intermediate Slab	5	08/16/19												
CTS.11.7.659	Form/Rebar/Pour - Lower Mezz Level Slab	14	08/26/19												
CTS.11.7.660	Form/Rebar/Pour - Lower Mezz Level Slab	14	08/26/19												
CTS.11.7.661	CTS, LM Form/Rebar/Pour - Columns Lower Mezz Slab to Upper Mezz Ln	5	09/19/19												
CTS.11.7.662	CTS, LM Form/Rebar/Pour - Columns Lower Mezz Slab	5	09/19/19												
CTS.11.7.663	CTS, LM Concrete Cure - Lower Mezz Level Slab	10	09/25/19												
CTS.11.7.664	CTS, LM Install Formwork - For Upper Mezz Level Slab	15	09/25/19												
CTS.11.7.665	CTS, LM Form/Rebar/Pour - Upper Mezz Level Slab	15	09/25/19												
CTS.11.7.666	CTS, LM Form/Rebar/Pour - Upper Mezz Level Slab	15	09/25/19												
CTS.11.7.667	CTS, LM Concrete Cure Strip - Upper Mezz Level Slab	4	10/19/19												
CTS.11.7.668	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												
CTS.11.7.669	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												
CTS.11.7.670	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												
CTS.11.7.671	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												
CTS.11.7.672	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												
CTS.11.7.673	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												
CTS.11.7.674	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												
CTS.11.7.675	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												
CTS.11.7.676	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												
CTS.11.7.677	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												
CTS.11.7.678	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												
CTS.11.7.679	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												
CTS.11.7.680	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												
CTS.11.7.681	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												
CTS.11.7.682	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												
CTS.11.7.683	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												
CTS.11.7.684	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												
CTS.11.7.685	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												
CTS.11.7.686	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												
CTS.11.7.687	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												
CTS.11.7.688	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												
CTS.11.7.689	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												
CTS.11.7.690	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												
CTS.11.7.691	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												
CTS.11.7.692	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												
CTS.11.7.693	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												
CTS.11.7.694	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												
CTS.11.7.695	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												
CTS.11.7.696	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												
CTS.11.7.697	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												
CTS.11.7.698	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												
CTS.11.7.699	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												
CTS.11.7.700	CTS, LM - Place - Shore on Slurry Walls - Head House	10	10/25/19												

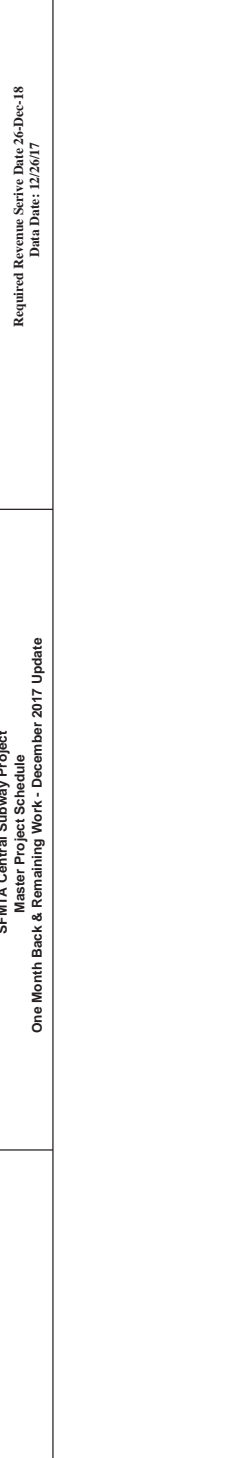


Activity Name	Original Duration	Start	Finish
CENTRAL SUBWAY PROJECT			
Construction Phase			
Construction Tunnels CN-1252	2232	06/08/11 A	11/30/19
1252 Tunnel Contract BIH			
Contract Milestones	2232	06/08/11 A	11/30/19
General Conditions	1518	06/08/11 A	05/15/15 A
4th & Bryant St TBM Launch Box Construction	1518	06/08/11 A	05/15/15 A
Moscone Station Headwalls	1437	06/08/11 A	05/15/15 A
UMS Station Headwalls	1480	06/01/11 A	05/15/15 A
UMS - Remove Geary to Ellis OCS	686	03/30/12 A	06/02/14 A
UMS - Setup Traffic Control for Headwall Construction	430	05/14/12 A	09/20/13 A
North Headwall	425	07/24/12 A	11/22/13 A
South Headwall	5	07/24/12 A	07/26/12 A
4th St and Market Compensation Grouting	1	07/30/12 A	07/30/12 A
Southbound Tunneling	237	02/27/13 A	11/22/13 A
Ellis St Compensation Grouting	404	07/31/12 A	11/22/13 A
Green St Compensation Grouting	707	01/28/13 A	04/30/15 A
Retrieval Shaft	451	04/27/13 A	10/13/14 A
Cross Passage 1-5	561	07/31/12 A	05/09/14 A
Cross Passage 1	320	08/05/13 A	06/30/14 A
Cross Passage 2	1070	10/31/11 A	03/20/15 A
Cross Passage 3	339	03/22/14 A	04/16/15 A
Cross Passage 4	79	06/14/14 A	09/13/14 A
Cross Passage 5	105	05/10/14 A	09/09/14 A
Portal Structure	127	03/31/14 A	08/28/14 A
Contract Close Out	114	03/22/14 A	07/31/14 A
Construction CN-1300	277	05/31/14 A	04/16/15 A
CN- 1300 Milestone	196	09/02/14 A	04/15/15 A
Construction UMS Station P-1253	307	03/03/14 A	05/15/15 A
Construction CTS Station P-1254R	1704	06/03/13 A	11/30/19
Construction YBM Station P-1255	1683	06/17/13 A	11/30/19
Construction STS P-1256	1704	06/17/13 A	06/27/19
	1683	06/17/13 A	11/29/19
	1651	06/10/13 A	06/27/19
	1626	06/03/13 A	09/11/19

SFMTA Central Subway Project
 Master Project Schedule
 Contracts Summary Schedule- December 2017 Update

Required Revenue Services Date: 26-Dec-18
 Data Date: 12/26/17

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2018				2019				2020				2021	
						Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
CENTRAL SUBWAY PROJECT																			
Light Rail Vehicles																			
Real Estate																			
Construction Phase																			
Construction Support and Costs																			
ON-1300	Milestone	1704	06/17/19 A	11/29/19	0														
ON-1300 Milestone																			
No 13-Disp																			
Construction UMS Station P-1283																			
Preconstruction																			
Engineering & Procurement																			
Site Work / Utility Relocation																			
Drilled Shafts																			
Roof Deck Excavation, Construction, Restoration																			
Excavation & Support																			
Concrete/Shotcrete																			
Surface Level																			
Concourse Level																			
Immediate Level																			
Mezzanine Level																			
Platform Level																			
UMS.03.30.1005	UMS_Rebar/Exterior Walls - Invert to Platform Strut Level - Pour #5	3	12/19/17 A	12/29/17	-318														
UMS.03.30.1003a	UMS_Form/ East Exterior Walls - Invert to Platform Strut Level - Pour #3	2	12/22/17 A	12/28/17	-347														
UMS.03.30.1013a	UMS_Place Concrete / East Exterior Architectural Walls - Invert to Platform Strut Level - Pour #3	1	12/29/17	12/29/17	-347														
UMS.03.30.1005b	UMS_Form/ West Exterior Walls - Invert to Platform Strut Level - Pour #5	2	01/02/18	01/03/18	-318														
UMS.03.30.1004a	UMS_Form/ East Exterior Wall - Invert to Platform Strut Level - Pour #4	3	01/02/18	01/04/18	-347														
UMS.03.30.1006	UMS_Rebar/ Exterior Walls - Invert to Platform Strut Level - Pour #6	3	01/02/18	01/04/18	-318														
UMS.03.30.1015b	UMS_Place Concrete / West Exterior Architectural Walls - Invert to Platform Strut Level - Pour #5	1	01/04/18	01/04/18	-318														
UMS.03.30.1014a	UMS_Place Concrete / East Exterior Architectural Wall - Invert to Platform Strut Level - Pour #4	1	01/04/18	01/04/18	-347														
UMS.03.30.1006b	UMS_Form/ West Exterior Walls - Invert to Platform Strut Level - Pour #6	2	01/05/18	01/08/18	-318														
UMS.03.30.1005a	UMS_Form/ East Exterior Walls - Invert to Platform Strut Level - Pour #5	2	01/05/18	01/08/18	-317														
UMS.03.30.1007	UMS_Rebar/ Exterior Walls - Invert to Platform Strut Level - Pour #7	3	01/05/18	01/09/18	-318														
UMS.03.30.1016b	UMS_Place Concrete / West Exterior Architectural Walls - Invert to Platform Strut Level - Pour #6	1	01/09/18	01/09/18	-318														
UMS.03.30.1015a	UMS_Place Concrete / East Exterior Architectural Walls - Invert to Platform Strut Level - Pour #5	1	01/09/18	01/09/18	-317														
UMS.03.30.1007a	UMS_Form/ West Exterior Wall - Invert to Platform Strut Level - Pour #7	2	01/10/18	01/11/18	-317														
UMS.03.30.1017b	UMS_Place Concrete / West Exterior Architectural Wall - Invert to Platform Strut Level - Pour #7	1	01/12/18	01/12/18	-318														
UMS.03.30.1016a	UMS_Place Concrete / East Exterior Architectural Walls - Invert to Platform Strut Level - Pour #6	1	01/12/18	01/16/18	-317														
UMS.03.30.1007a	UMS_Form/ East Exterior Wall - Invert to Platform Strut Level - Pour #7	2	01/15/18	01/16/18	-317														
UMS.03.30.1017a	UMS_Place Concrete / East Exterior Architectural Wall - Invert to Platform Strut Level - Pour #7	1	01/17/18	01/17/18	-317														
UMS.03.30.1017a	UMS_Form/ Rebar Platform Stem Walls Pour #1	3	05/23/18	05/25/18	-311														
UMS.03.30.1311	UMS_Form/ Concrete Platform Stem Walls Pour #1	1	05/29/18	05/29/18	-311														
UMS.03.30.1302	UMS_Form/ Rebar Platform Stem Walls Pour #2	3	05/29/18	05/31/18	-311														
UMS.03.30.1321	UMS_Shore & Set Soffit - Platform Pour #1	3	05/30/18	06/01/18	-311														
UMS.03.30.1312	UMS_Place Concrete Platform Stem Walls Pour #2	1	06/01/18	06/01/18	-311														
UMS.03.30.1303	UMS_Form/ Rebar Platform Stem Walls Pour #3	3	06/01/18	06/05/18	-311														
UMS.03.30.1331	UMS_Form/ Rebar - Platform Pour #1	3	06/04/18	06/06/18	-311														
UMS.03.30.1322	UMS_Shore & Set Soffit - Platform Pour #2	3	06/04/18	06/06/18	-311														



Required Revenue Serve Date: 26-Dec-18
 Data Date: 12/26/17

One Month Back & Remaining Work - December 2017 Update

SFMTA Central Subway Project
 Master Project Schedule

Activity ID	Activity Name	Original Start Duration	Finish	Total Float	2018				2019				2020				2021	
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
UMS.03.30.1313	UMS_Place Concrete Platform Stem Walls Pour #3	1 06/06/18	06/06/18	-311														
UMS.03.30.1304	UMS_Form /Rebar Platform Stem Walls Pour #4	3 06/06/18	06/08/18	-311														
UMS.03.30.1341	UMS_Place Concrete - Platform Pour #1	1 06/07/18	06/07/18	-305														
UMS.03.30.1323	UMS_Shore & Set Soffit - Platform Pour #3	3 06/07/18	06/11/18	-311														
UMS.03.30.1332	UMS_Form /Rebar - Platform Pour #2	3 06/07/18	06/11/18	-311														
UMS.03.30.1314	UMS_Place Concrete Platform Stem Walls Pour #4	1 06/11/18	06/11/18	-311														
UMS.03.30.1305	UMS_Form /Rebar Platform Stem Walls Pour #5	3 06/11/18	06/13/18	-270														
UMS.03.30.1342	UMS_Place Concrete - Platform Pour #2	3 06/12/18	06/12/18	-307														
UMS.03.30.1324	UMS_Shore & Set Soffit - Platform Pour #4	3 06/12/18	06/14/18	-311														
UMS.03.30.1333	UMS_Form /Rebar - Platform Pour #3	3 06/12/18	06/14/18	-311														
UMS.03.30.1315	UMS_Place Concrete Platform Stem Walls Pour #5	1 06/14/18	06/14/18	-270														
UMS.03.30.1306	UMS_Form /Rebar Platform Stem Walls Pour #6	3 06/14/18	06/18/18	-270														
UMS.03.30.1343	UMS_Place Concrete - Platform Pour #3	1 06/15/18	06/15/18	-308														
UMS.03.30.1325	UMS_Shore & Set Soffit - Platform Pour #5	3 06/15/18	06/19/18	-270														
UMS.03.30.1334	UMS_Form /Rebar - Platform Pour #4	3 06/15/18	06/19/18	-311														
UMS.03.30.1316	UMS_Place Concrete Platform Stem Walls Pour #6	1 06/19/18	06/19/18	-270														
UMS.03.30.1307	UMS_Form /Rebar Platform Stem Walls Pour #7	3 06/19/18	06/21/18	-270														
UMS.03.30.1344	UMS_Place Concrete - Platform Pour #4	1 06/20/18	06/20/18	-311														
UMS.03.30.1326	UMS_Shore & Set Soffit - Platform Pour #6	3 06/20/18	06/22/18	-270														
UMS.03.30.1335	UMS_Form /Rebar - Platform Pour #5	3 06/20/18	06/22/18	-270														
UMS.03.30.1317	UMS_Place Concrete Platform Stem Walls Pour #7	1 06/22/18	06/22/18	-270														
UMS.03.30.1345	UMS_Place Concrete - Platform Pour #5	3 06/25/18	06/25/18	-266														
UMS.03.30.1327	UMS_Shore & Set Soffit - Platform Pour #7	3 06/25/18	06/27/18	-270														
UMS.03.30.1336	UMS_Form /Rebar - Platform Pour #6	3 06/25/18	06/27/18	-270														
UMS.03.30.1346	UMS_Place Concrete - Platform Pour #6	1 06/28/18	06/28/18	-268														
UMS.03.30.1337	UMS_Form /Rebar - Platform Pour #7	3 06/28/18	07/02/18	-270														
UMS.03.30.1347	UMS_Place Concrete - Platform Pour #7	1 07/03/18	07/03/18	-270														
Structural Steel		20 06/21/18	07/19/18	-311														
Masonry		145 02/15/18	09/10/18	-278														
Electrical		327 03/06/17 A	02/27/19	-343														
Electrical - Transportation		345 07/10/17 A	05/08/19	-370														
Architectural Finishes		225 03/09/18	01/25/19	-319														
Conveyances		322 01/03/17 A	03/21/19	-352														
Stairs		224 11/06/17 A	01/22/19	-285														
Startup & Testing		270 12/27/17	01/18/19	-297														
No. 13-Disp		61 01/30/19	04/24/19	-361														
Construction CTS Station P-1,2&4R		1687 11/26/13 A	06/26/19	110														
Preconstruction		1603 11/13/13 A	11/29/19	0														
Site Work / Utility Relocation		15 01/16/18	02/05/18	-41														
Excavation & Support		324 12/26/17	04/03/19	166														
Tunnel / Cave Mining		635 03/29/17 A	10/31/18	-235														
Cavern Lining		129 04/14/16 A	03/07/18	-275														
Concrete/Shotcrete		162 01/17/18	08/30/18	-371														
Masonry		251 03/21/18	03/06/19	-372														
Structural Steel		107 10/04/18	03/07/19	-373														
Mechanical		102 07/23/18	12/14/18	-356														
Misc Metal		167 08/06/18	03/26/19	-386														
Electrical		166 08/06/18	04/01/19	-378														
Electrical - Transportation		177 08/06/18	04/09/19	-386														
		88 09/04/18	01/09/19	-367														

Activity ID	Activity Name	Original Start Duration	Finish	Total Float	2018				2019				2020				2021	
					Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
	Architectural Finishes	264	04/05/18	-347														
	Conveyances	96	11/27/18	-395														
	Startup & Testing	44	04/19/19	-391														
	No 13-Disp	1603	11/13/13 A	0														
	Construction YBM Station P-1255	1571	06/17/13 A	-405														
	Preconstruction	15	01/16/18	-41														
	Excavation & Support	506	04/25/16 A	-188														
	Concrete/Shotcrete	291	03/27/17 A	-281														
	Mechanical	5	05/29/17 A	-191														
	Electrical	314	09/04/17 A	-336														
	Electrical - Transportation	249	12/26/17	-326														
	Conveyances	190	12/14/17 A	-276														
	Startup & Testing	61	01/31/19	-352														
	No 13-Disp	1571	06/17/13 A	-405														
	Construction STS P-1256	1496	01/09/14 A	57														
	Preconstruction	15	01/16/18	-41														
	Concrete/Shotcrete	79	12/18/17 A	-172														
	Tunnel Concrete	234	10/16/17 A	-279														
	Structural Steel	15	07/20/18	-352														
	Electrical	172	05/16/18	-328														
	Electrical - Transportation	21	09/07/18	-334														
	Trackwork	300	08/17/17 A	-246														
	Track System Work	1196	04/06/15 A	-338														
	Startup & Testing	87	02/19/19	-395														
	No 13-Disp	1403	01/09/14 A	112														
	Unallocated Contingency	493	12/26/17	-241														

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:

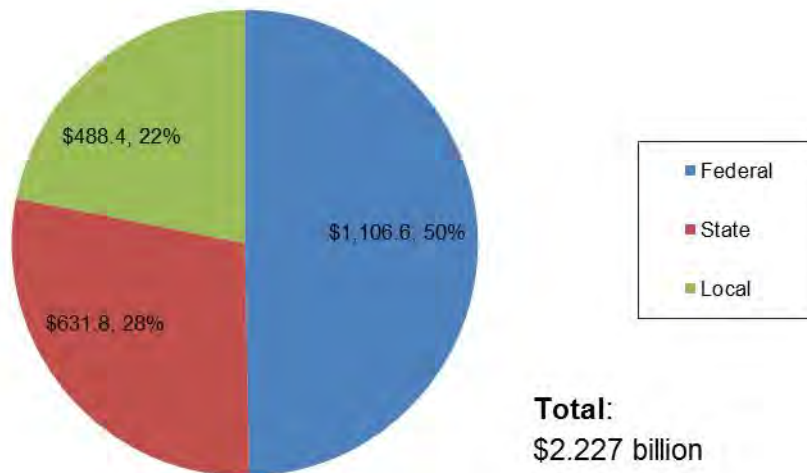
- Phase 1 + Phase 2 of the T Third Line federal, state and local funding percentages previous to the addition of the retrieval shaft relocation budget and funding in December 2013.

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.

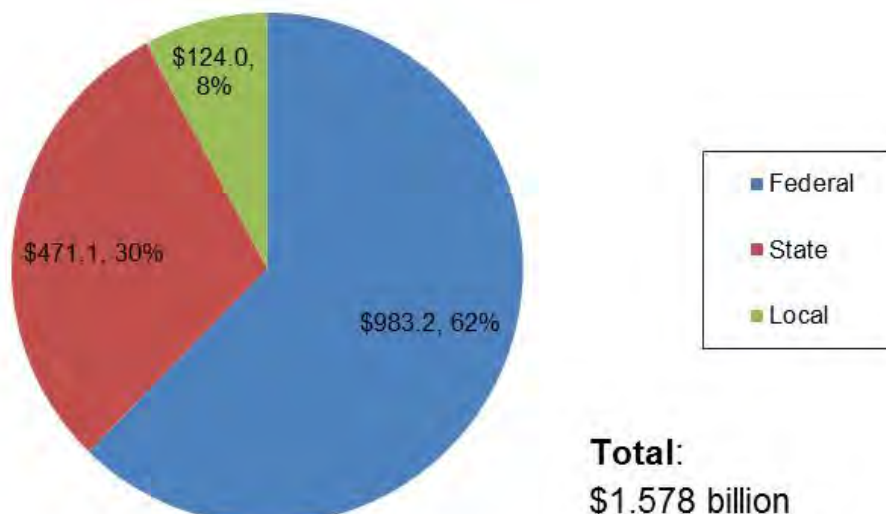
Third Street Light Rail Transit Project Funding

Phase 1 + Phase 2
(\$ in millions)



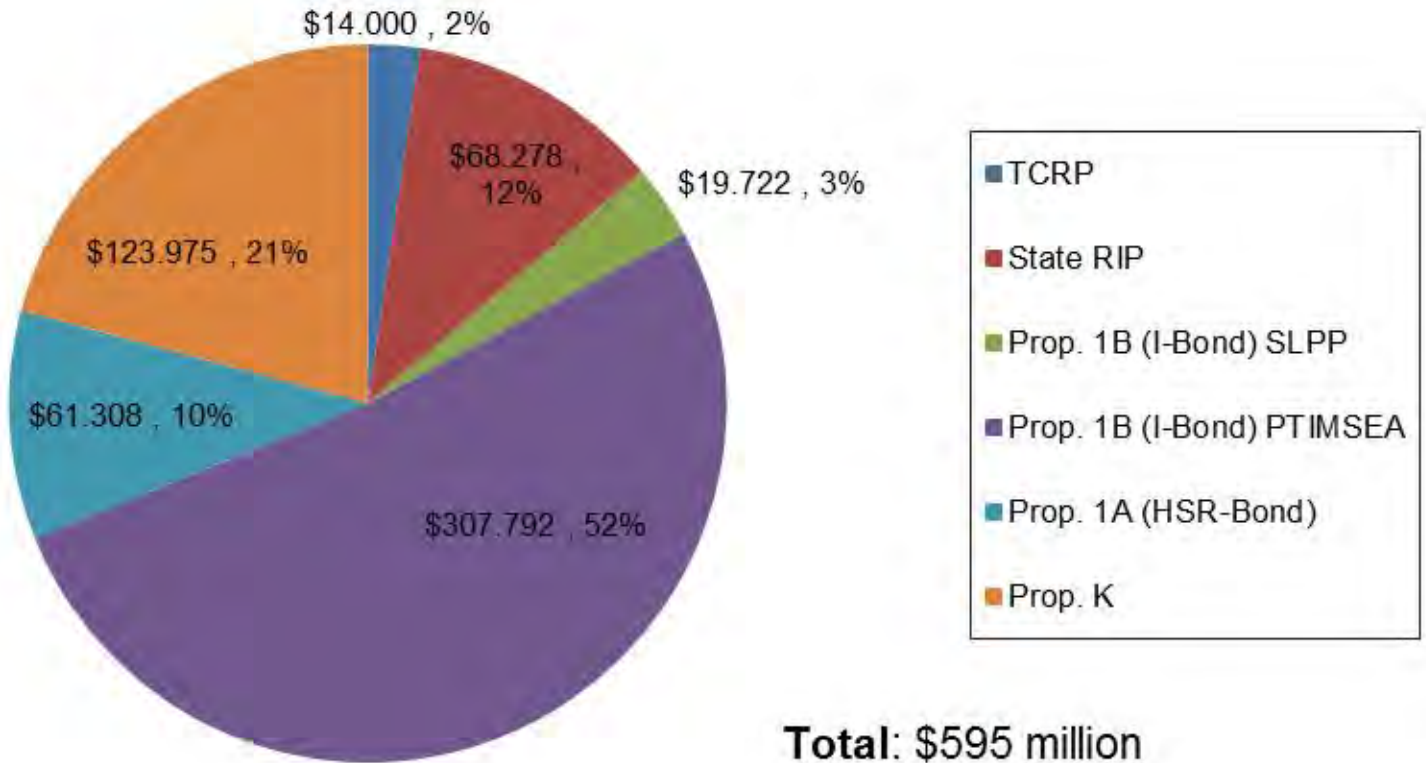
Central Subway Project Funding

Phase 2
(\$ in millions)



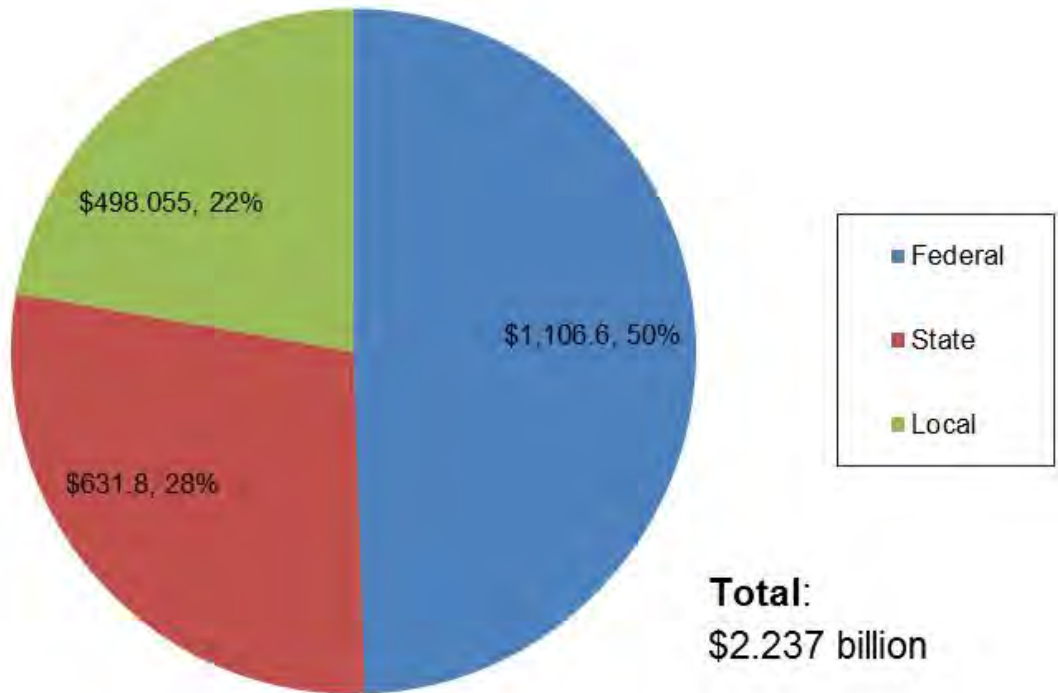
State and Local Funding

Phase 2
(\$ in millions)



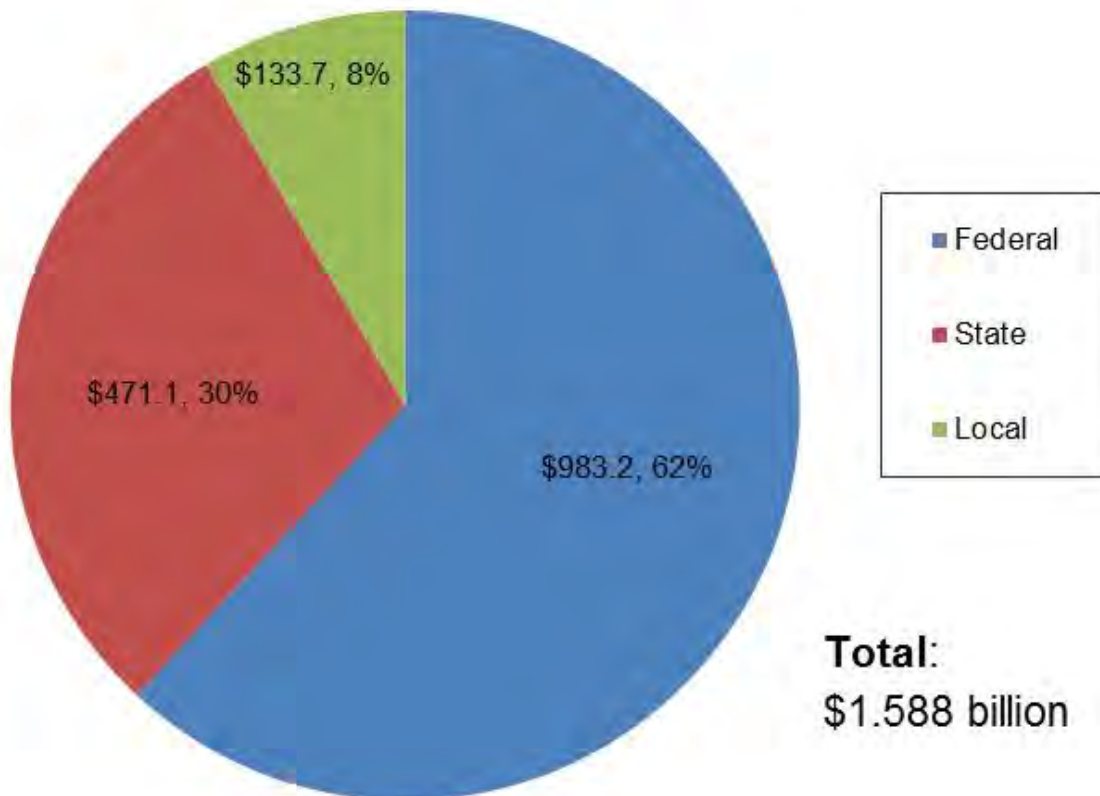
Third Street Light Rail Transit Project Funding

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

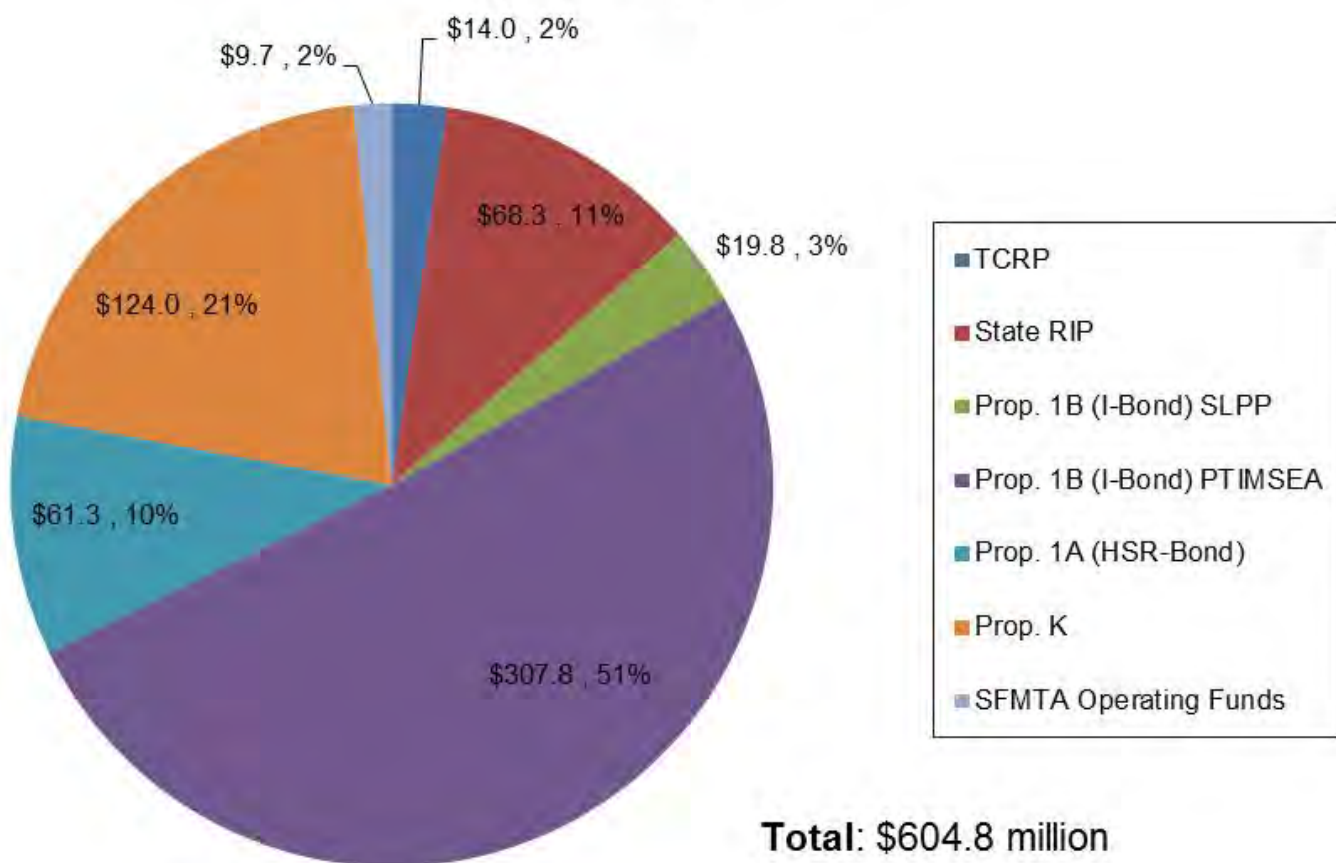


Central Subway Project Funding

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

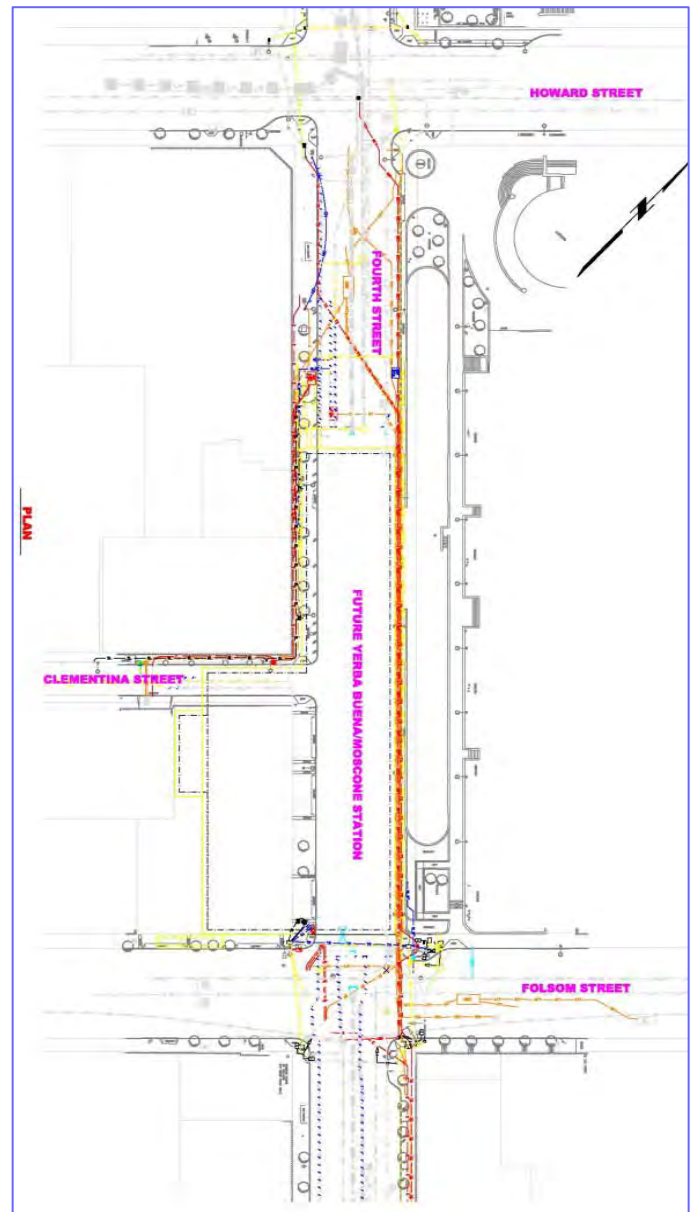
Contract Awarded:	November 17, 2009
Notice to Proceed:	January 4, 2010
Substantial Completion:	June 23, 2011
Contract Award Value:	\$ 9,273,939
Modifications Final :	\$ 2,694,211
Final Contract Value:	\$11,968,150

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	\$20,699,081
Utility Reimbursements	(7,413,510)
Final Program Costs	\$13,176,169
Budget Impact (Underrun)	(\$9,023,678)

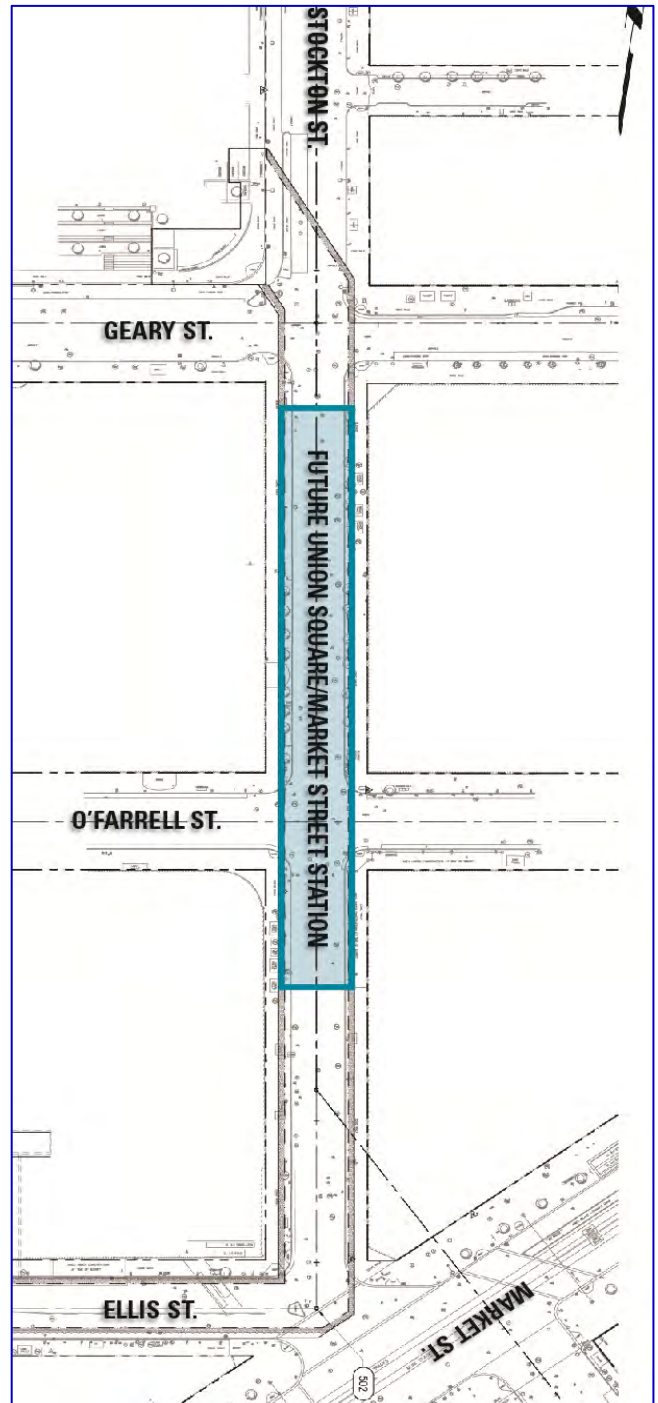
Contract Details	
Contract Awarded:	December 7, 2010
Notice to Proceed:	January 12, 2011
Substantial Completion:	August 16, 2012
Contract Award Value:	\$16,832,550
Modifications Final:	\$3,836,531
Final Contract Value:	\$20,669,081

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
- Administrative closeout in progress

Budget/Expenditures	
Category	Amount
Current Budget	\$235,913,500
Other Project Budget	\$5,150,000
Other Offset Credits	\$1,291,078
Expenditures to Date	\$234,881,397

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 13, 2015
Contract Award Value:	\$233,584,015
Modifications to Date:	\$8,270,765
Current Contract Value:	\$241,854,780



Appendix E

SBE PARTICIPATION

Quarterly Report

Current Report: October 2017 – December 2017

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, 2017.¹

CS Program SBE Summary Table for Professional Services and Construction Contracts

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

Appendix E - Monthly Progress Report - Reported Quarterly in 2017
CS Program SBE Summary Table for Professional Services and Construction Contracts

Contract No.	Contractor	Services/Segment	A	B	C	D	E	F	G	
			Contract Amount	SFMTA SBE Contract Goal	Contract Expenditure to Date (Est.)	SBE Actual to Date	SBE Contract \$s = A * B	SBE Amount to Date = C * D	Contractor's SBE Goal (in Bid)	
A Project Professional Services Contracts			millions		millions		millions	millions		
1	149	CS Partnership	Project Management	\$85.14	30%	\$65.68	32.6%	\$25.54	\$21.41	31.4%
2	156	Hill International	Project Controls Task 1	\$17.11	26%	\$9.87	29.3%	\$4.45	\$2.89	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%	\$40.25	31.6%	\$11.12	\$12.72	36.4%
5	155-3	HNTB, Inc.- B&C	Systems, Track & Surface Station Design	\$17.23	30%	\$14.74	26.2%	\$5.17	\$3.86	30.0%
Subtotal Professional Services				\$164.48		\$138.45		\$48.66	\$43.27	
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	\$241.29	6%	\$23.59	5.8%	\$14.48	\$13.51	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	847.40	20%	\$572.08	21.3%	\$169.48	\$121.59	25.5%
Subtotal Construction Contracts				\$1,122.11		\$839.08		\$191.16	\$165.55	
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:

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”).

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

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

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

The 1300 Tutor-Perini SBE percent Actual is based on the SBE data provided in Progress Payment #48, December 2017, 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: 12/31/2017

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.)	\$65,684,199
	% Expended	77.1%
	SBE SFMTA Goal	30.0%
	SBE Participation	32.6%
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.)	\$9,874,151
	% Expended	57.7%
	SBE SFMTA Goal	26.0%
	SBE Participation	29.3%
Contract:	Design Package 1 for CNs 1250, 1251 and 1252 Tunnels	
Contract No.	CS-155-1 PB / Telemon*	
Status:	Design is completed. Construction support ongoing	
	Base Contract Value	\$5,795,000
	Approved Change Orders (7)	\$2,145,159
	Current Contract Value	\$7,940,159
	Expended to Date (est.)	\$7,904,713
	% Expended	99.6%
	SBE SFMTA Goal	30.0%
	SBE Participation	30.2%
Contract:	Design Package 2 for 1253 UMS, 1254 CTS, 1255 YBM Stations.	
Contract No.	CS-155-2 Central Subway Design Group*	
Status:	Design is completed. Construction support ongoing	
	Base Contract Value	\$39,949,948
	Approved Change Orders (1)	\$1,626,722
	Current Contract Value	\$41,576,670
	Expended to Date (est.)	\$40,248,246
	% Expended	96.8%
	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 (5)	\$368,002
	Current Contract Value	\$17,232,252
	Expended to Date (est.)	\$14,739,986
	% Expended	85.5%
	SBE SFMTA Goal	30.0%
	SBE Participation	26.2%

* denote accrual

Active and Completed Construction Contracts - SBE Participation Details

Data as of: 12/31/2017

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:	Construction is underway and ongoing	
	Base Contract Value	\$233,584,015
	Approved Change Orders	\$8,255,506
	Current Contract Value	\$241,839,521
	Expended to Date (est.)	\$233,589,322
	% Expended	96.6%
	SBE SFMTA Goal	6.0%
	SBE Participation To Date	5.8%
Contract:	Stations and Systems / Tutor Perini	
Contract No.	1300	
Status:	Construction is underway and ongoing	
	Base Contract Value	\$839,676,400
	Approved Change Orders	\$8,121,714
	Current Contract Value	\$847,798,114
	Expended to Date (est.)	\$572,077,488
	% Expended	67.5%
	SBE SFMTA Goal	20.0%
	SBE Participation To Date	21.3%

Photos on the next page:

In December 2017, we saw the return of Winter Walk, a one of kind holiday pop-up plaza in the heart of Union Square. Winter Walk's pedestrian plaza was set up on Stockton Street between Geary and Ellis Streets for five weeks, from November 25th to December 31st. Working in collaboration with the SFMTA and in partnership with Off the Grid, two open air cocktail gardens, food trucks, live performances, carolers, and other wintery surprises were in store for shoppers as they were met with delectable culinary delights and holiday themed entertainment.

central subway

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