

central subway

Bottomed-out at YBM

Construction of the remaining sections of invert slab have been poured in both the station box and headhouse.



Progress Report

May 2017



SFMTA
Municipal
Transportation
Agency

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Cover photo: Workers at the south headwall of the Yerba Buena/Moscone station box remove brackets and other elements of temporary steel bracing now that invert slab construction has been completed in both the station box under 4th Street, and the station headhouse. This work allows for interior walls, waterproofing, and other structural elements to be installed. **More photos can be found starting on page 36.**

Above photos: Looking south in the cross-cut cavern of the Chinatown station cavern, drilling pipe casings and temporary reinforcing are uncovered as part of initial excavation work to open up the top header of the south cavern.

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



A crew finishes up following the end of a concrete pour inside the northbound tunnel, just south of the Yerba Buena/Moscone station platform area.

Executive Summary

Continued excavation at YBM, UMS and CTS Stations as we advance to the respective station inverts. STS continues tunnel invert drain pipe and catch basins installations in the Southbound and Northbound tunnels.

Chinatown Station - Headhouse excavated to 16' below Temp Level 5.0 walers and struts. Completed 100% of the excavation of the Platform Caverns (North and South) of Right Side Drift and Left Side Drift Top Headings and Inverts. Incidental street work (minor), ongoing monitoring and surveying. Mockup for Final Waterproofing and Lining underway for the North Emergency Egress (NEE) Shaft and Tunnel.

Union Square/Market Street Station - North Concourse: Worked on PG&E box installation, conduits on south side of Geary and chipped and cleaned piles for construction of escalator ramp. Platform Station: Continued excavation and wale and strut installation. Ellis Annex: Continued work on PG&E electrical duct bank, water line installations and AT&T work. UMS North Entrance: Continued mechanical and electrical at Concourse Level.

Yerba Buena/Moscone Station - Sidewalk restoration in progress on west side of 4th Street south of Howard Street intersection. Placement of concrete in Invert level all sections complete for the Station Box, Headhouse and Elevator #3 pit. In station box, application of pyrok plaster and installation of electrical rough-in at Mezzanine Level in progress. Installation of fire sprinkler piping on Concourse level and removing struts at walers at Invert level. Completed pothole of 36" sewer force main within intersection of 4th and Howard Streets.

Surface, Track and Systems— Continued 36" sewer rehabilitation. Continued AWSS installation. Continued pavement renovation. Continued water line installation. Continued invert slab construction. Continued track installation and plinth construction.

Tunnel - Contract administrative closeout is ongoing.

Total project costs to date are \$1,070.41 million, an increase of \$11.43 million over last month. The total cost to date equals 67.82% 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 that one recordable accident took place this month. The rates of work site accident incidents by the man hours worked, continue to be below industry standards - see tables on page 34.

Key Milestones

Finishing construction of the YBM headhouse invert



1 Final sections of rebar are installed, and concrete is poured



2 The slab is cleared, and work re-oriented to construct internal walls

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 10, 2018



3 Workers begin removing temporary bracing on the lowest levels

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 \$1,070.41 million, a \$11.43 million increase over last month. The cost to date figure reflects expenditures through FAMIS 786 Report (\$1,032.08 million) plus the utilities joint trench Form B Reimbursement payment (\$11.24 million), invoices currently being processed (\$23.36 million) and estimates of outstanding pay requests (\$3.75 million). This incurred amount equals 67.82% of the total project budget of \$1.578 billion.

The current funding level to date is \$1,329.79 million. This represents 84% of the total project budget.

Earned Value Analysis

In May 2017 Report, the Preliminary Earned Value Analysis reports is based on the SFMTA May Schedule Update. The Planned Value, Earned Value, Actual Cost, Percent Complete and resulting indexes as follows:

Preliminary May Earned Value

Overall Budgeted Cost:	\$1,578,300,000
Planned Value:	\$1,401,896,036
Earned Value:	\$1,043,940,351
Actual Cost:	\$1,070,407,740
Schedule Performance Index (SPI):	0.74
Cost Performance Index (CPI):	0.98
Percent Complete:	66.1%

Schedule Highlights

The Master Project Schedule (MPS) below includes progress through May 2017. The May 2017 Schedule Update submittal from Contract 1300 Contractor was not submitted due previous update corrections that needed to be completed before TPC provide the May update. The Contract 1300 schedule represented in this report is based on the SFMTA May 2017 Schedule Update.

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

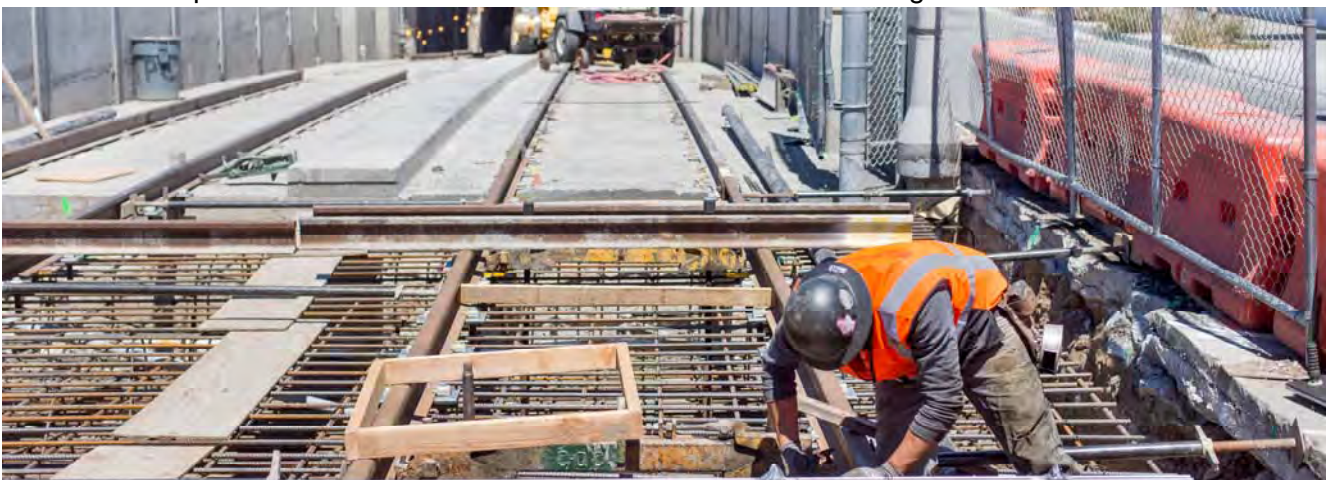
The controlling critical (longest) path of the MPS runs through CTS Excavation succeeded by STS Startup & Testing, Commissioning and Pre-Revenue Activities to the Baseline Finish and Revenue Service Date. See Appendix B – Longest Path. The latest schedule shows the longest path running through the Chinatown 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 Right and Left Step 3 Invert of the South Platform Cavern was completed and contractor is now working at the Top Center Drift, Center Bench and Invert Steps of the South Platform Cavern. 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 complete the South Platform Cavern excavation. This changes allowed Contract 1300 Schedule to shows no new delays during May with a forecasted Revenue Service Date of 10 December 2019.

Contract 1300 Contractor submitted twenty-nine (29) Schedule Updates from December 2014 to April 2017. SFMTA rejected sixteen (16) Schedule Updates from December 2015 to April 2016 and June 2016 to April 2017. SFMTA approved as noted the September 2015, October 2015, November 2015, and May 2016 Schedule Updates. Contractor has been directed to develop a Recovery Schedule as required by Contract and correct out-of-sequence and Retained Logic driving many of the forecast dates. Review of schedule updates as well as identifying recovery options is ongoing.

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



A worker aligns tracks and installs rebar as part of surface track construction just south of the tunnel portal at 4th and Bryant.

Schedule Highlights - Continued

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

- Headhouse– excavated to 16' below Temp Level 5.0 walers and struts
- Completed 100% of the excavation of the Platform Caverns (North and South) of Right and Left Side Drifts Top Headings and Inverts.
- Platform Cavern South Center Drift (Top Heading, Bench, Invert) is 10% complete
- Incidental street work (minor), ongoing monitoring and surveying
- Mockup for Final Waterproofing and Lining underway for the North Emergency Egress (NEE) Shaft and Tunnel – ongoing testing and inspection
- Begin Sewer Replacement Work in Washington Street between Stockton and Spofford

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

- North Concourse: Worked on PG&E #7 box installation on Geary in front of the Union Square Garage. Installed and backfilled PG&E conduits south side of Geary
- South Concourse: Chipped and cleaned piles for construction of Escalator Ramp
- Platform Station: Continued Platform Strut Level and Temp Level 3 excavation and wale and strut installation. Also continued removal of tunnel segments, chipped piles, installed mesh and drain pipe and continued placement of shotcrete
- Ellis Annex: Prepared for pour in the east Ellis invert. Worked on roadway utilities including PG&E electrical duct bank, water line installations, and AT&T
- UMS North Entrance: Poured cast-in-place planters and placed cellular concrete fill around planters at street level. Continued mechanical and electrical at Concourse Level

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

- Sidewalk restoration complete on west side of 4th Street south of Howard Street intersection to just north of Stair #1 and TODCO driveway
- Placement of concrete in Invert Level all sections complete for the Station Box and Headhouse
- Concrete placement for Elevator #3 pit is complete
- Installation of metal stairs at Stair 1 and Stair 4 is in progress
- Application of pyrok plaster in progress on Mezzanine and Level – Station Box
- Installation of electrical rough-in in progress on Mezzanine Level – Station Box
- Installation of fire sprinkler piping rough-in in progress on Concourse Level – Station Box
- Remove struts and walers at Invert Level – Station Box and Headhouse
- Unknown underground storage tanks removed adjacent to Folsom Street sidewalk in the area of Stair #4
- Completed pothole of 36" sewer force main within the intersection of 4th & Howard

Schedule Highlights - Continued

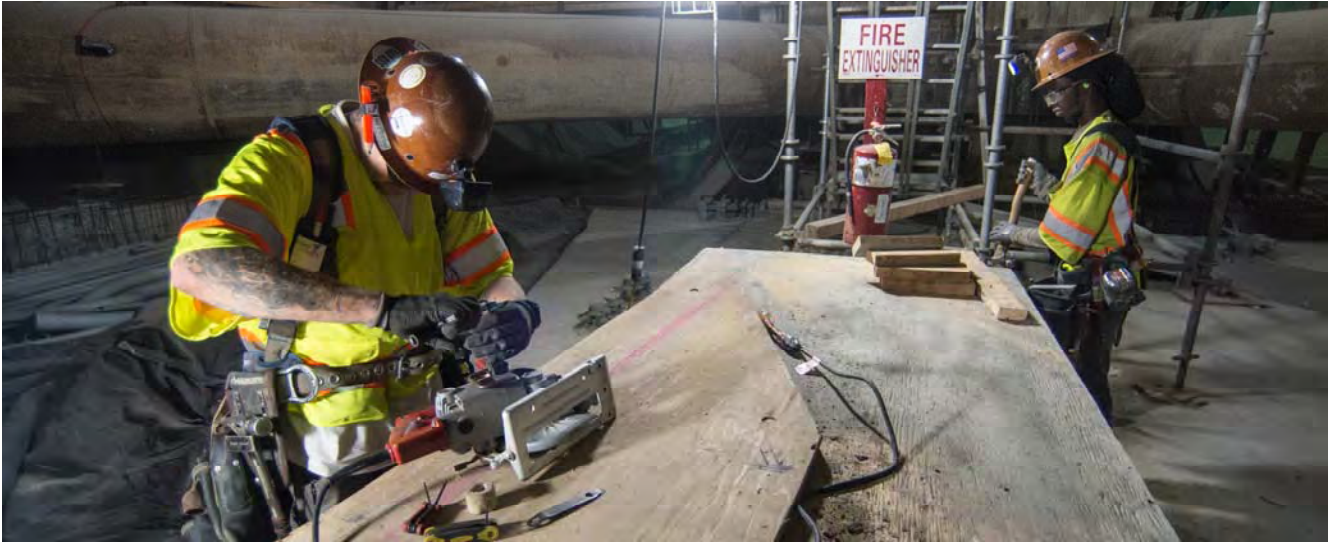
Work Package P-1256 (STS) has performed the following work this month:

- Started 36" sewer installation at 4th/Bryant intersection
- Completed MRY ductbank at 4th/Townsend intersection
- Continued pavement renovation on 4th Street between King and Welsh
- Started AWSS lateral installation on 4th/Brannan intersection
- Continued water line installation at 4th/Welsh intersection
- Completed water line installation at 4th/Townsend
- Completed invert slab construction at tunnel portal
- Completed track installation at tunnel portal
- Continued track plinth construction and track installation inside tunnels

Master Project Schedule

Page 1 of 1

Activity ID	Activity Name	Original Duration	Start	Finish	2017				2018				2019				2020		
					Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
CENTRAL SUBWAY PROJECT																			
Program Level Milestones																			
PJ01000	Central Subway Project Start	433	03-Jun-08 A	11-Dec-19													CENTRAL SUBWAY PROJECT		
Program Level Milestones																			
MS00044	Tunnel Excavation Complete - Project Milestone #44	0	03-Jun-08 A	05-Sep-14 A													Program Level Milestones		
MS0019	Baseline Finish Date: 12-26-2018	0		10-Dec-19*													◆ Baseline Finish Date: 12-26-2018		
MS0009	CSP Revenue Service Date	0		10-Dec-19*													◆ CSP Revenue Service Date		
Preliminary Engineering Phase																			
Final Design																			
	Light Rail Vehicles	2359	15-Apr-13 A	21-Jun-19													Light Rail Vehicles		
	Real Estate	3130	01-Aug-08 A	28-May-17													Real Estate		
Construction Phase																			
Construction Support and Costs																			
	Construction Utility Contract #1 - MOS & Portal CN-1250	505	04-Jan-10 A	23-May-11 A													Construction Support and Costs		
	Construction Utility Contract #2 - UMS CN-1251	640	12-Jan-11 A	15-Oct-12 A															
	Construction Tunnels CN-1252	1518	06-Jun-11 A	27-May-17													Construction Tunnels CN-1252		
	Construction CN-1300	1704	03-Jun-13 A	24-Sep-19													Construction CN-1300		
	CN-1300 Milestone	1635	17-Jun-13 A	24-Sep-19													CN-1300 Milestone		
	Construction UMS Station P-1253	1704	17-Jun-13 A	27-Jun-19													Construction UMS Station P-1253		
	Construction CTS Station P-1254R	1572	17-Jun-13 A	27-Jun-19													Construction CTS Station P-1254R		
	Construction YBM Station P-1255	1651	10-Jun-13 A	27-Jun-19													Construction YBM Station P-1255		
	Construction STS P-1256	1624	03-Jun-13 A	08-Sep-19													Construction STS P-1256		
	Project Start Up	167	26-Jun-19	10-Dec-19													Project Start Up		
Unallocated Contingency																			
CO1700	Cost Activity Unallocated Contingency (LOE) - 1.7,500.000,00 - Contingency	115	26-Jun-19	10-Dec-19													Unallocated Contingency		
Cost Activity Unallocated Contingency																			



One carpenter recycles pieces of old concrete formwork while another conducts maintenance on his circular saw near the south end of the YBM station box.

Contracts & Construction

Construction Contracts In Progress

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

- Contractor: Tutor - Perini Corporation
- Amount: \$846.92 million
- Contract Status: 56.11% complete construction

Contracts Completed

[See Appendix D](#)

Contract 1250: Moscone Station and Portal Utilities Relocation

Contract 1251: Union Square/Market Street Station Utility Relocation

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

Contract 1252: Central Subway Tunneling

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

Stations, Surface, Track and Systems

Contract 1300 Contractor: Tutor-Perini Corporation

Description of Work

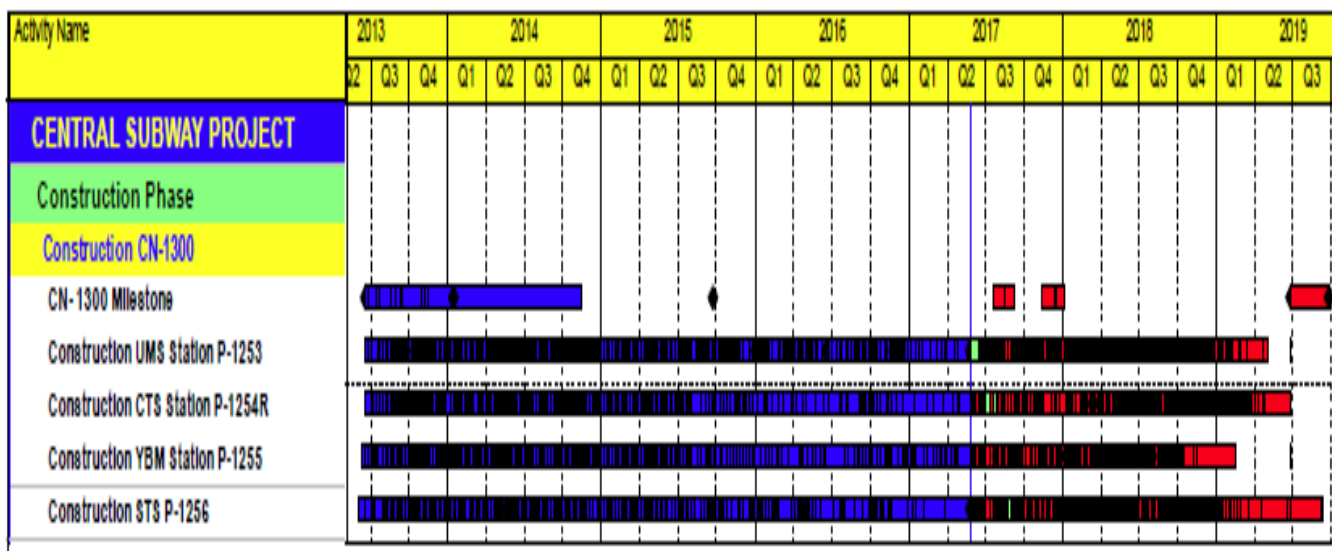
The Contract 1300 scope is to construct the Central Subway's three subway stations, one surface station, construct the 2,000 feet of surface track, and install track and operating systems throughout the new alignment. The separate station and systems work packages are presented in the following pages.

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

Contract Details	
Contract Awarded:	May 21, 2013
Notice to Proceed:	June 17, 2013
Substantial Completion:	February 10, 2018
Contract Award Value:	\$839,676,400
Modifications to Date:	\$7,245,928
Current Contract Value :	\$846,922,328

Budget/Expenditures▲	
Current Budget	\$879,676,400
Other Project Offset Credits	\$3,123,097
Expenditures to Date	\$492,266,020

1300 Summary Schedule



Chinatown Station

Contract 1300 - Work Package 1254R



Current Work Status

- Headhouse—excavated to 16' below Temp Level 5.0 walers and struts
- Completed 100% of the excavation of the Platform Caverns (North and South) of Right and Left Side Drifts Top Headings and Inverts.
- Platform Cavern South Center Drift (Top Heading, Bench, Invert) is 10% complete
- Incidental street work (minor), ongoing monitoring and surveying
- Mockup for Final Waterproofing and Lining underway for the North Emergency Egress (NEE) Shaft and Tunnel – ongoing testing and inspection
- Begin Sewer Replacement Work in Washington Street between Stockton and Spofford

Work Expected Next Month

- Platform Caverns (North and South) – continue/complete with Left and Right Side Drift inverts
- Continue with Sewer Replacement Work in Washington Street between Stockton and Spofford

Description of Work

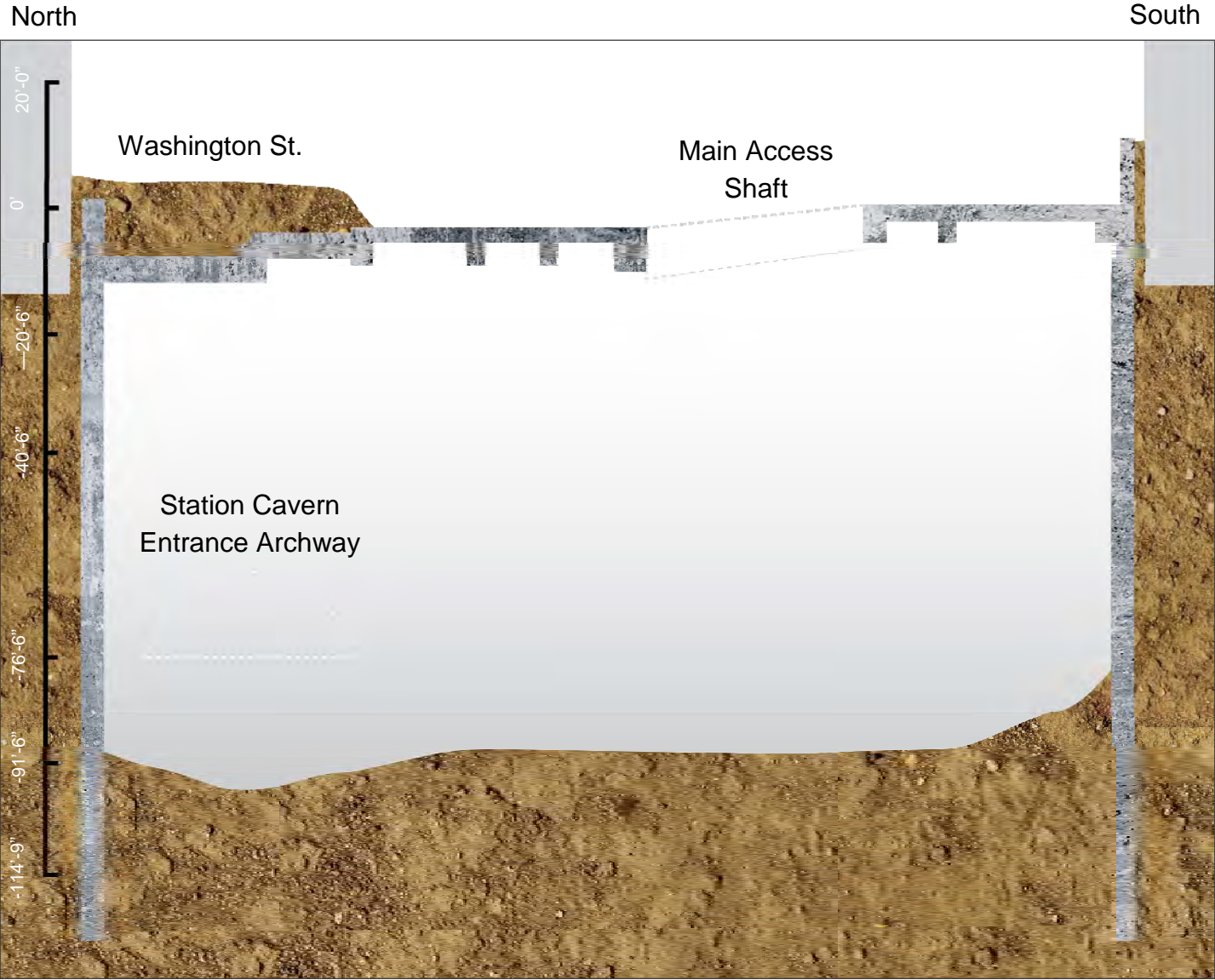
This Work Package is to construct one subway station. Includes station finishes, AC and DC Traction Power substations elevators, escalators, lighting, emergency ventilation fans, HVAC fire alarm/ suppression/ protection, slurry wall top-down construction, settlement monitoring, building protection, PA, 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
- Begin Breakout and Excavation of Platform Cavern North Center Drift
- Complete Platform Cavern South Center Drift

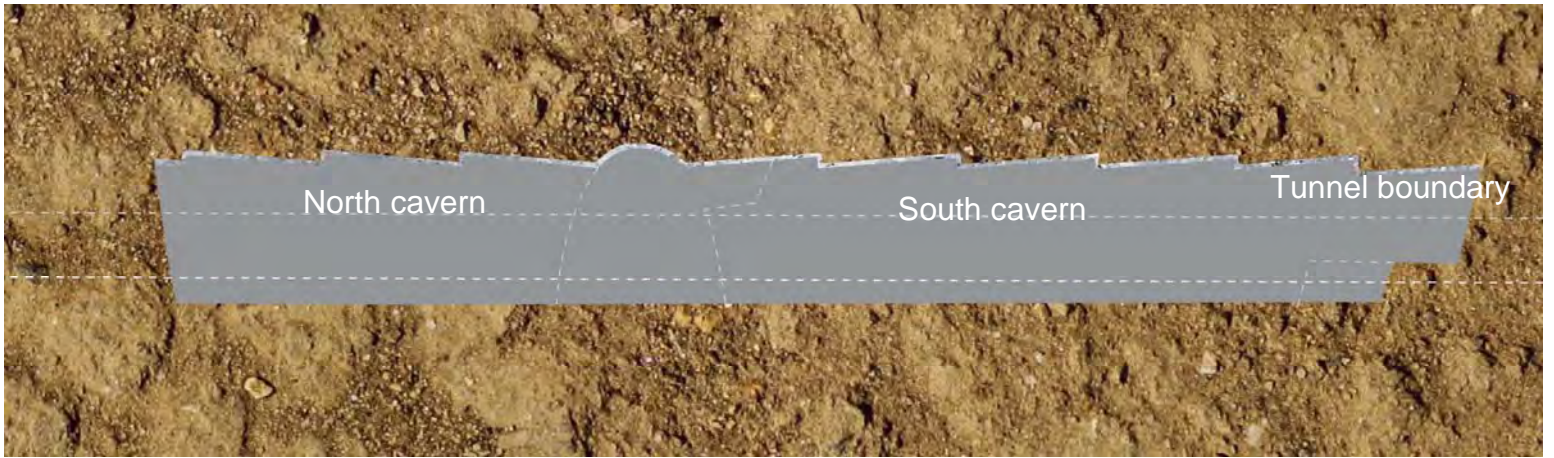
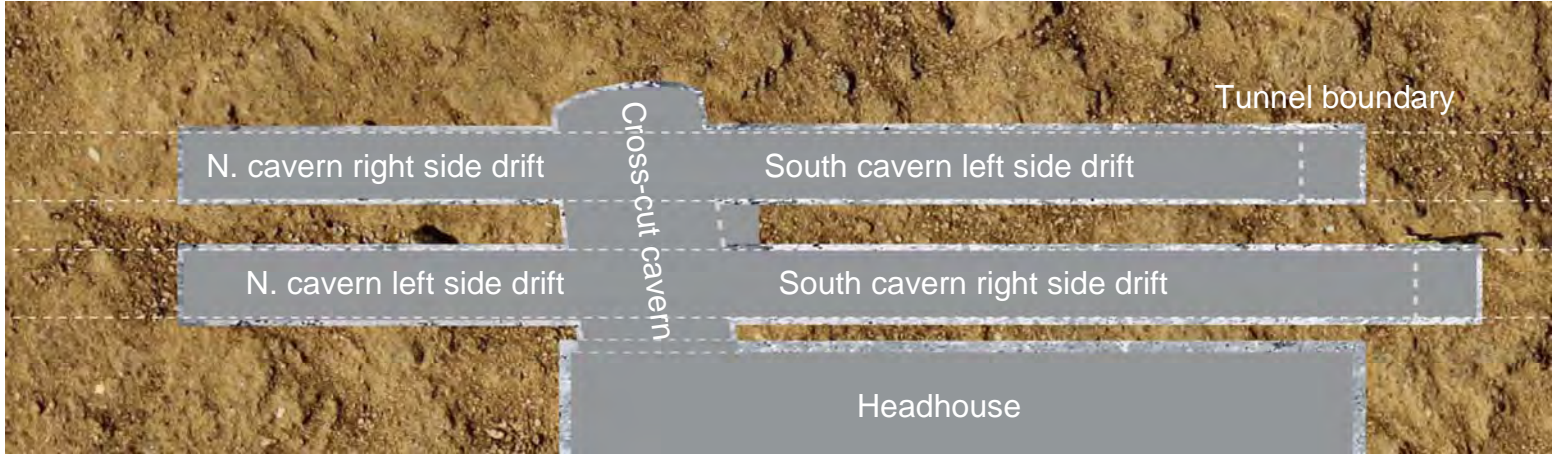
Station Excavation and Construction Progress Section



Station Cavern Excavation Progress Plan and Section

North

South

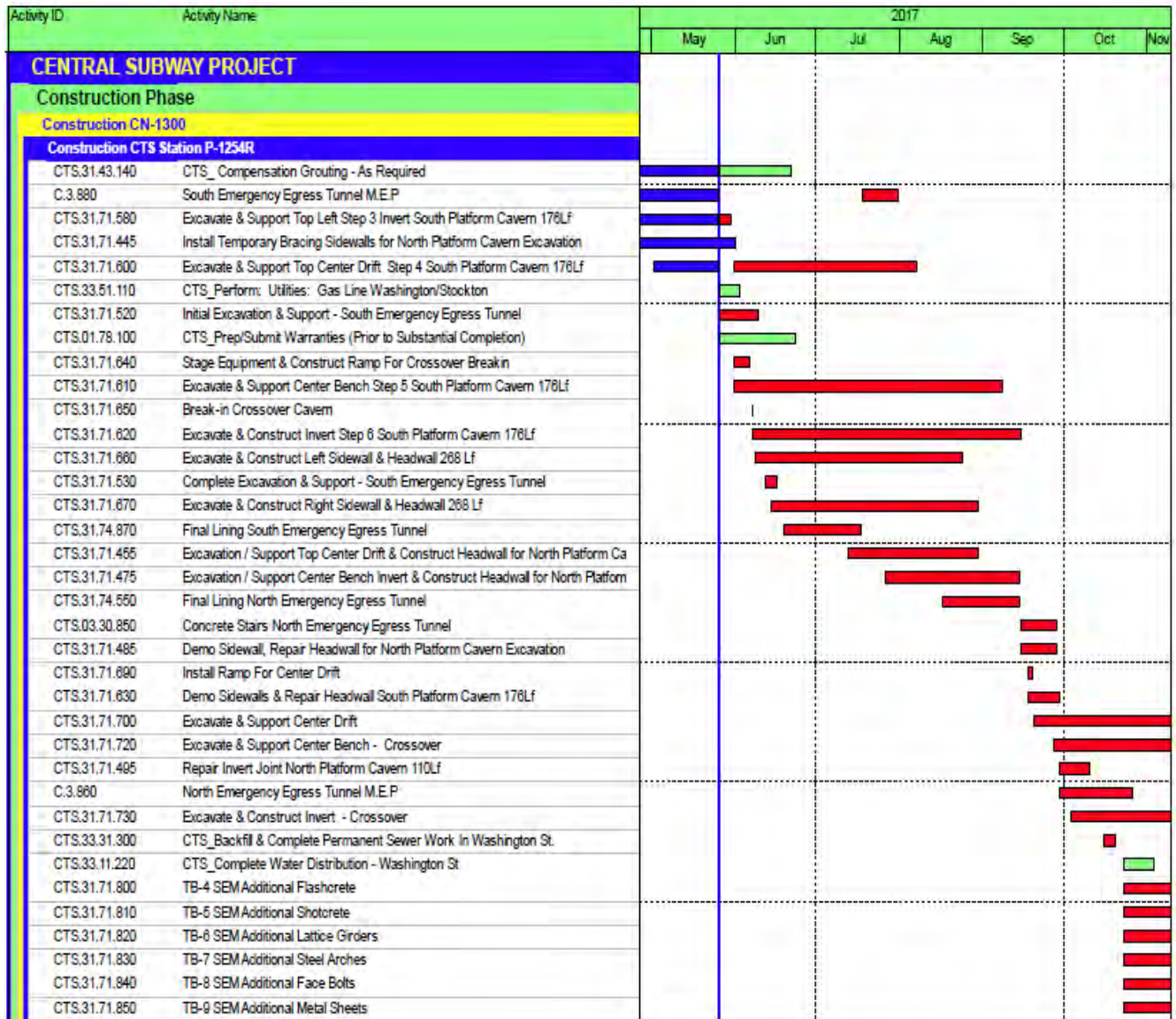


Chinatown Station Construction Status - Continued

Contract Details	
Contract Awarded:	May 21, 2013
Notice to Proceed:	June 17, 2013
Substantial Completion:	February 10, 2018
Contract Award Value:	\$247,567,810
Modifications to Date:	\$2,964,460
Current Contract Value:	\$250,532,270

Budget/Expenditures	
Current Budget	\$257,567,810
Other Project Offset Credits	\$75,000
Expenditures to Date	\$135,558,824

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

- North Concourse: Worked on PG&E #7 box installation on Geary in front of the Union Square Garage. Worked on fiber optic conduits in the MRY east duct bank and repairs to the AT&T duct bank on Stockton Street. Completed MRY terminations in manholes 602, 900A, 601A, and 601. Performed work on high pressure hydrant riser
- Platform Station: Completed remaining Mezzanine Level struts and Temp Level 2 excavation and wale and strut installation. Continued Platform Strut Level excavation and wale and strut installation, and began Temp Level 3 excavation
- Access Shaft: Installed mud mat invert and waterproofing
- Ellis Annex: Performed grading, installation of base rock, installation of perforated pipe, and mud mat installation at the east Ellis invert, electrical room, and sump pit. Installed waterproofing and epoxy dowels, rebar and piping in the east Ellis invert. Worked on PG&E electrical duct bank, water line installations, and AT&T
- UMS North Entrance: Continued structural steel and fan level trench excavation, both approx. 90% complete. Commenced rough in of building MEP

Work Expected Next Month

- Intermittent nighttime closures and lane closures expected for utility and street work
- North Concourse: Continue to install utilities. Excavation and structural steel deliveries. Installation of soil nail walls continues



- Platform Station: Continue to excavate and install structural & temporary steel support system
- Ellis Annex: Complete utility installations, backfilling and restoration of Ellis Street and utility installation. Begin permanent roadway restoration
- UMS North Entrance – Complete fan level trench support of excavation

Three Month Look Ahead

- Platform Station: Complete station excavation and begin mud slab and concrete invert installation
- North Concourse: Complete excavation and begin mud slab and concrete invert installation
- Access Shaft: Continue reinforced concrete installation
- Ellis Annex: Complete permanent roadway restoration
- Union Square Garage – Complete testing and commissioning of new fire and life safety devices within garage and open new ramp for public use

Station Excavation and Construction Progress Section

North

South



Union Square Market Street Station Construction - Continued

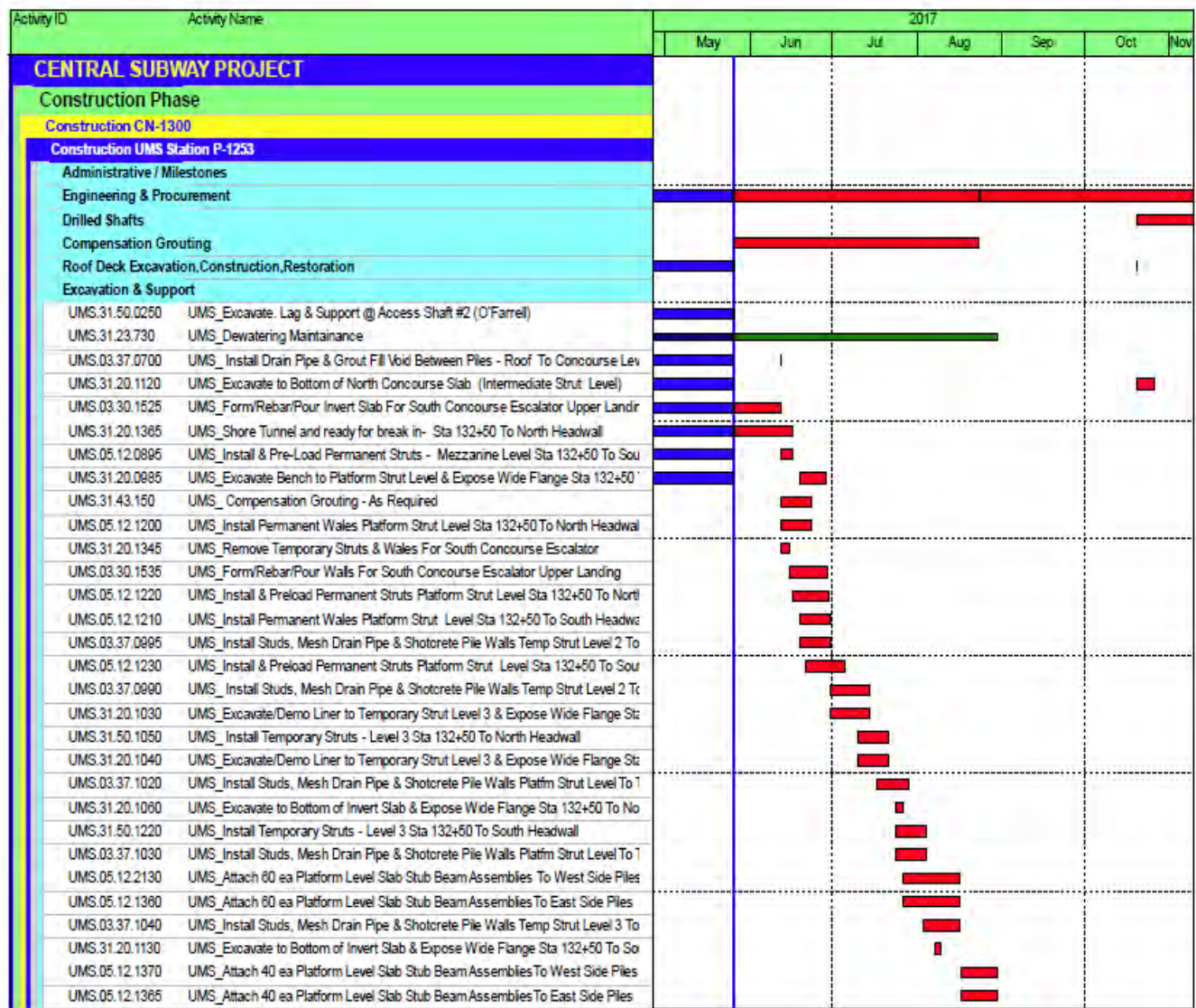
Contract Details

Contract Awarded:	May 21, 2013
Notice to Proceed:	June 17, 2013
Substantial Completion:	February 10, 2018
Contract Award Value:	\$294,030,590
Modifications to Date:	\$2,221,945
Current Contract Value:	\$296,252,535

Budget/Expenditures ▲

Current Budget	\$314,030,590
Expenditures to Date	\$196,525,885

UMS Three Month Schedule



Yerba Buena/Moscone Station

Contract 1300 - Work Package 1255



Current Status

- Sidewalk restoration complete on west side of 4th Street south of Howard Street intersection to just north of Stair #1 and TODCO driveway.
- Placement of concrete in Invert Level all sections complete for the Station Box and Headhouse.
- Concrete placement for Elevator #3 pit is complete
- Installation of metal stairs at Stair 1 and Stair 4 is in progress
- Application of pyrok plaster in progress on Mezzanine and Level – Station Box
- Installation of electrical rough-in in progress on Mezzanine Level – Station Box
- Installation of fire sprinkler piping rough-in in progress on Concourse Level – Station Box
- Remove struts and walers at Invert Level – Station Box and Headhouse
- Unknown underground storage tanks removed adjacent to Folsom Street sidewalk in the area of Stair #4
- Completed pothole of 36" sewer force main within the intersection of 4th & Howard

Work Expected Next Month

- Complete sidewalk restoration on west side of 4th Street south of Howard Street intersection
- Continue interior Continue pyrok plaster on Mezzanine and start on Concourse Level – Station Box
- Continue electrical rough-in on Mezzanine – Station Box

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.

- Continue fire sprinkler piping rough-in on Concourse Level – Station Box
- Continue removal of struts and walers at Invert Level – Station Box and Headhouse
- Start sidewalk and pavement replacement work on Clementina
- Start utility work at intersection of 4th & Folsom
- Start installation of Station Box Platform walls
- Pour Stair #1 and #4 pans with nosings
- Start drill and epoxy dowels for shotcrete walls in Invert – Station Box and Headhouse
- Start column construction in Invert Level Headhouse
- Pour topping slab – Mezzanine Level Station Box
- Continue shoring for installation of Stair 4 hatchway adjacent to Folsom Street at south end of Headhouse
- Remove differing site conditions encountered within the intersection of 4th & Howard and begin 36" sewer force main installation

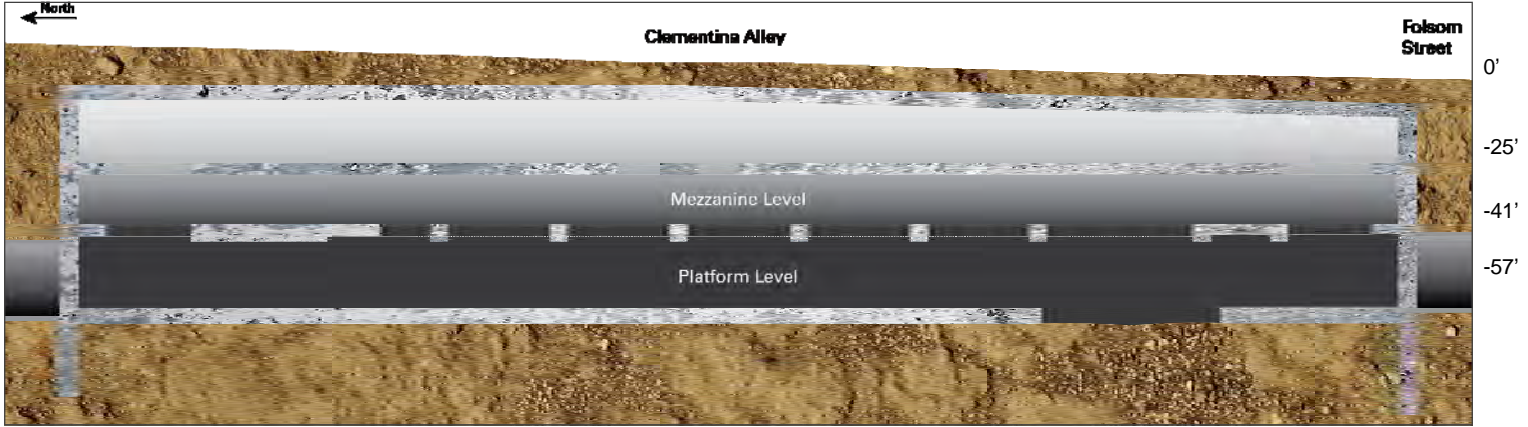
Three Month Look Ahead

- Complete Invert slab within Station and Headhouse
- Prepare to construct Concourse and Mezzanine slabs from bottom up within Headhouse
- 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
- Switch traffic handling and resume installation of 36" force main sewer within 4th Street and Howard Street intersection

Station Excavation and Construction Progress Section

North

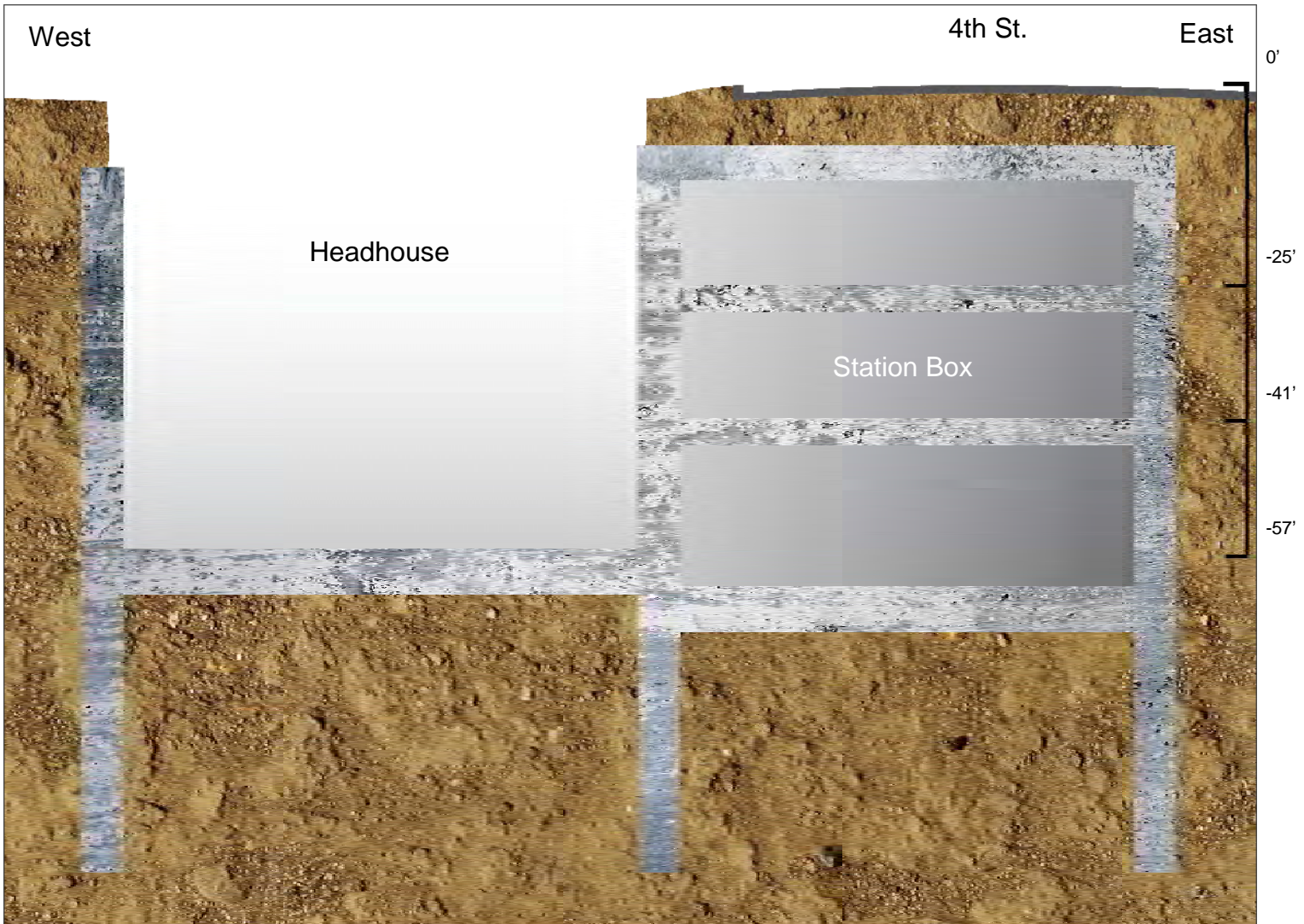
South



West

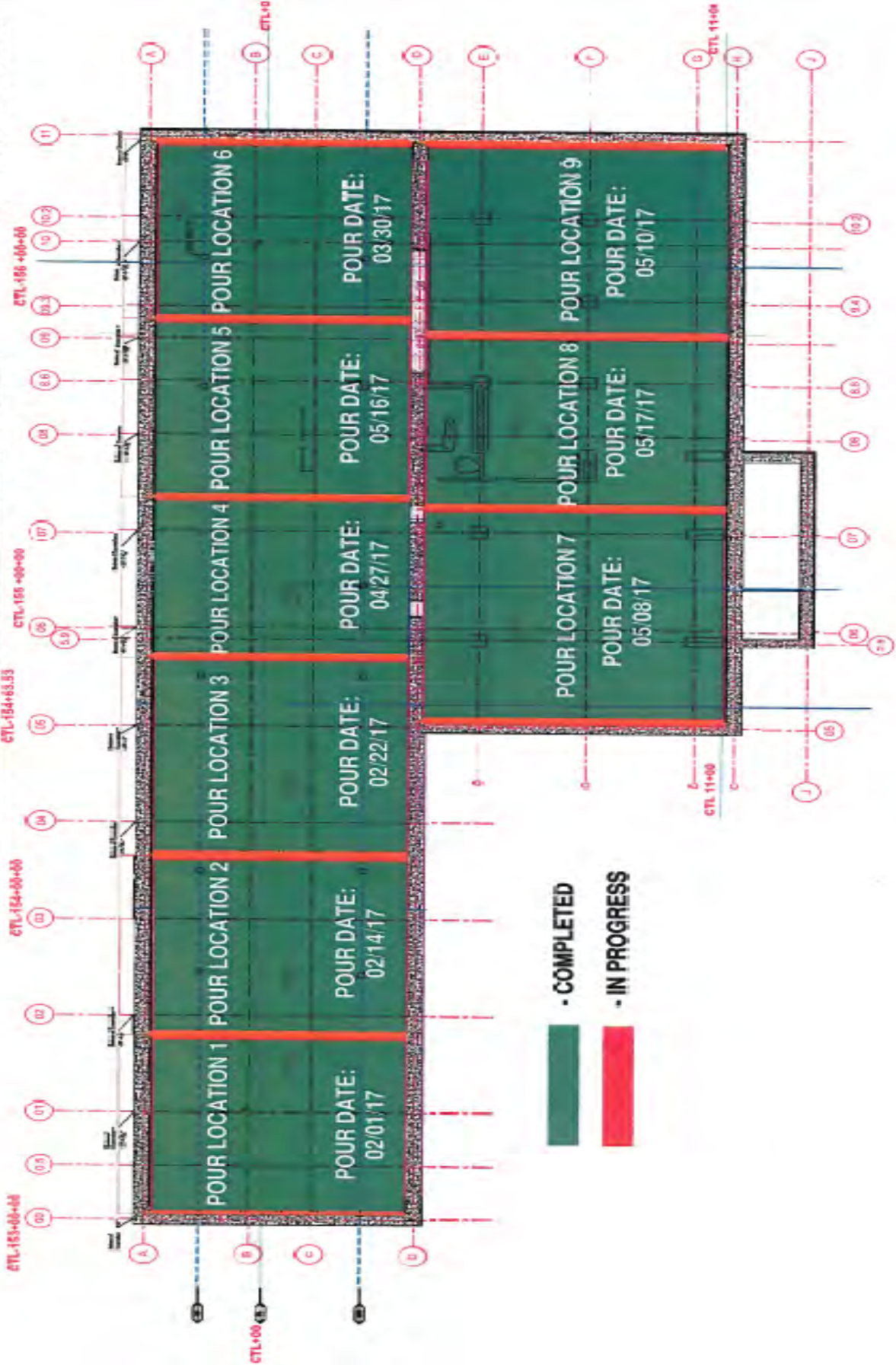
4th St.

East

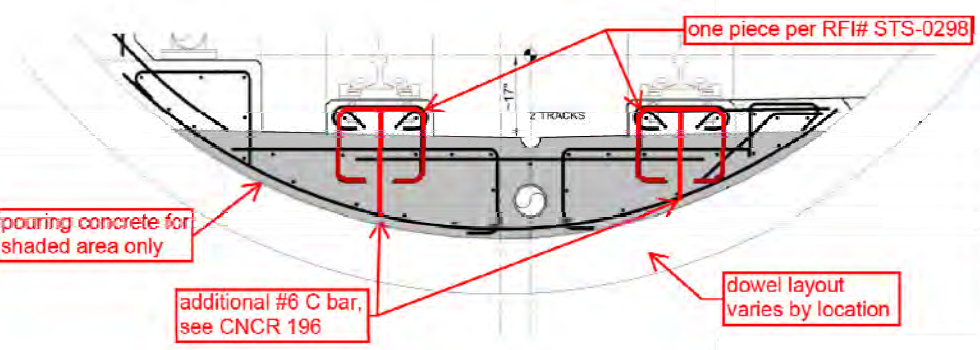


YBM Invert Level Pour Sequence

Updated On: 05/24/2017



YBM Invert Slab Progress



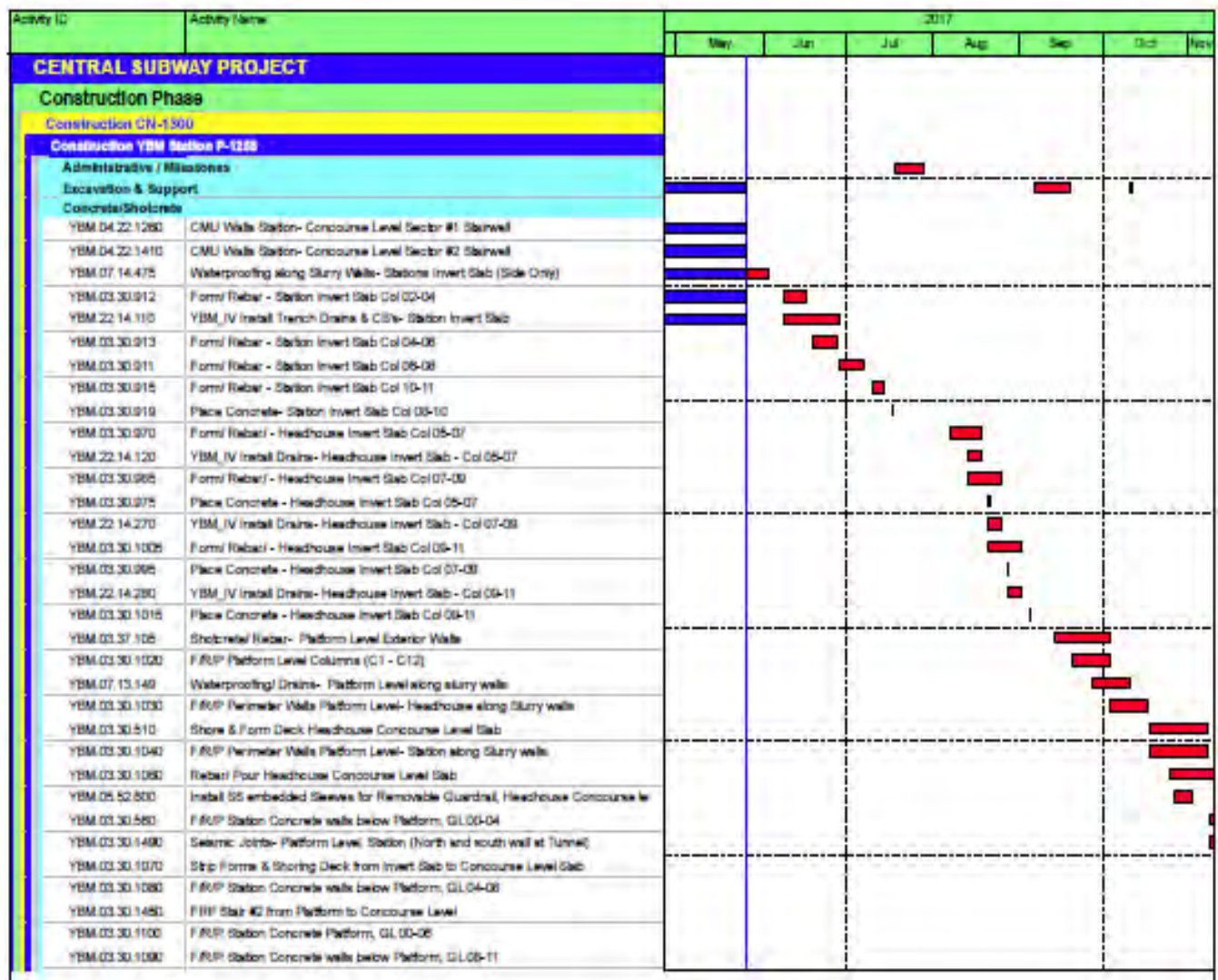
Total length for both tunnels is approx. 10,240 feet.
Measured progress is combined for both tunnels.
Red—100% complete; 10,240 feet

Yerba Buena Moscone Station Construction - Continued

Contract Details	
Contract Awarded:	May 21, 2013
Notice to Proceed:	June 17, 2013
Substantial Completion:	February 10, 2018
Contract Award Value:	\$158,089,000
Modifications to Date:	\$57,052
Current Contract Value:	\$158,146,052

Budget/Expenditures ▲	
Current Budget	\$163,089,000
Other Project Offset Credits	\$415,331
Expenditures to Date	\$103,889,363

YBM Three Month Schedule



Systems, Trackwork, & Surface Station

Contract 1300 - Work Package 1256

Description of Work

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

Current Status

- Started 36" sewer installation at 4th/ Bryant intersection
- Completed MRY ductbank at 4th/ Townsend intersection
- Continued pavement renovation on 4th Street between King and Welsh
- Started AWSS lateral installation on 4th/ Brannan intersection
- Continued water line installation at 4th/ Welsh intersection
- Completed water line installation at 4th/ Townsend
- Completed invert slab construction at tunnel portal
- Completed track installation at tunnel portal
- Continued track plinth construction and track installation inside tunnels

Work Expected Next Month

- Continued 48" sewer installation
- Continued 36" sewer installation
- Continued MRY ductbank installation
- Continued AWSS installation
- Continued water line installation
- Continued pavement renovation
- Continued plinth construction and track installation inside tunnels



Three Month Look Ahead

- Continued waterline installation
- Continued AWSS installation
- Continued MRY ductbank installation
- Continued 36" sewer force main installation
- Continued 48" sewer force main installation
- Continued OCS pole installation
- Continued permanent pavement renovation
- Continued track installation
- Continued 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 10, 2018
Contract Award Value:	\$139,989,000
Modifications to Date:	\$2,002,470
Current Contract Value:	\$141,991,470

Budget/Expenditures	
Current Budget	\$144,989,000
Other Project Offset Credits	\$2,632,766
Expenditures to Date	\$53,243,851

Systems, Track and Surface Station Three Month Schedule

Activity ID	Activity Name	2017						
		May	Jun	Jul	Aug	Sep	Oct	Nov
CENTRAL SUBWAY PROJECT								
Construction Phase								
Construction CN-1300								
Construction STS P-1256								
STS.34.41.2060	STS_Install; Traffic Signal Conduit & Boxes 4th St/Townsend							
STS.03.30.130N	STS_F/RVP NB Tunnel Invert & Catch Basins Union Square to China Town 2,422							
STS.03.30.135S	STS_F/RVP SB Tunnel Invert & Catch Basins Union Square to China Town 2,422							
STS.34.42.2320	STS_Install; Train Control - Train Control Conduit - & JB's SB Union Square to C							
STS.33.31.420	STS_Install New CB's Manhole, 10' & 15" Sewer Piping @ 4th St/Townsend - We							
STS.34.42.1080	STS_Install; Security - SB Portal Intrusion Devices							
STS.26.05.0290	STS_Install; Tunnel Electrical - Unistrut For Conduit & Signal Supports - NB Porta							
STS.26.05.0630	STS_Install; Tunnel Electrical - Unistrut For Conduit & Signal Supports - SB Porta							
STS.26.05.120	STS_Install; Utilities: 230Kv Electrical Transmission Casing - Assist PG&E - 4th							
STS.26.05.2720	STS_Install; OCS System - Install OCS Poles In Portal							
STS.33.11.170	STS_Install; Utilities: Auxiliary Water Supply 12" Main 4th St (Through Brannan St							
STS.33.51.150	STS_Pothole; Utilities: Pothole for Gas Distribution							
STS.33.31.630	Sewer Manhole relocation at King St/ 4th Street							
STS.26.20.1790	STS_Install; Tunnel Electrical - CCTV Cameras - SB Portal To Moscone							
STS.34.42.0600	STS_Install; Train Control - Train Control Signals - SB Portal to Moscone							
STS.34.42.2310	STS_Install; Train Control - Train Control Conduit - & JB's SB Portal To Moscone							
STS.26.05.0660	STS_Install; Tunnel Electrical - Telephone Conduit - & JB's SB Portal To Moscon							
STS.27.32.0610	STS_Install; Tunnel Electrical - Radlax Conduit - & JB's SB Portal To Moscone							
STS.26.05.0540	STS_Install; Tunnel Electrical - Electrical Lighting Conduit & JB's - SB Portal To M							
STS.26.05.0650	STS_Install; Tunnel Electrical - Electrical Power Conduit & JB's - SB Portal To Mo							
STS.26.05.0360	STS_Install; Tunnel Electrical - Electrical Power Conduit & JB's - NB Portal To M							
STS.26.05.4020	STS_Install; Tunnel Electrical - Electrical Lighting Conduit & JB's - NB Portal To M							
STS.26.05.4030	STS_Install; Tunnel Electrical -Lighting Fixtures - NB Portal To Moscone							
STS.26.20.0670	STS_Install; Tunnel Electrical - CCTV Conduit - & JB's SB Portal To Moscone							
STS.26.05.0405	STS_Install; Tunnel Electrical - Traction Power Conduit - NB Portal to Moscone							
STS.26.05.0640	STS_Install; Tunnel Electrical - Traction Power Conduit - SB Portal to Moscone							
STS.26.05.0630	STS_Install; Tunnel Electrical - Emerg Tel/SFFD Tel/Blue Lights - SB Portal To M							
STS.33.11.230	STS_Install; Utilities: Water Distribution 12" Main/Casing - 4th St @ Bryant Inters							
STS.33.51.115	STS_PG&E Design Detail Period: Utilities: Gas Distribution 6" Main/Casing - 4th							
STS.26.05.2010	STS_Install; Tunnel Electrical - Mini-Power Centers EP2-EP10 - SB Portal To Mox							
STS.33.11.270	STS_Install; Utilities: Sewer: Casing for 10" Force Main - 4th St Sta @ Brannan S							
STS.33.11.340	STS_Install; Utilities: Track Drainage- 4th St (Brannan St To Bluxome St)							
STS.33.11.250	STS_Install; Utilities: Assist SFWD - Water Distribution Bypass 8" & 6" - 4th St S							
STS.33.31.260	STS_Install New 18" Sewer Lateral In Welsh St To Future 48" Manhole							
STS.33.11.280	STS_Install; Utilities: Water Distribution 8" Main/Casing - 4th St @ Townsend St							
STS.33.11.350	STS_Install; Utilities: Track Drainage- 4th St (Bluxome St To Townsend St)							

Program Components

Community Outreach

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

- Conducted Community Advisory Group Meeting
- Conducted Central Subway tours for SF Transit Riders and Cal Department of Transportation
- Continued noise mitigation meetings with Tutor Perini and community stakeholders
- Ongoing outreach to merchants and residents
- Conducted meetings and face-to-face visits with various merchant stakeholders along the alignment
- Preparation and dissemination of construction notices
- Produced quarterly construction update video and other multimedia content
- Responded to constituent complaints

Outreach in Support of Mitigation and Monitoring

Team members participated in weekly progress to address neighborhood concerns

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

Weekly photo documentation of project work and editing

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
5/2/2017	<u>Caltrain gets \$100M from budget deal: Support hinges on approval from Trump administration</u>	Samantha Weigel	San Mateo Daily Journal
5/5/2017	<u>Photos: Central Subway making progress</u>	Brock Keeling	CURBED San Francisco
5/11/2017	<u>Subway glories: why we need public art</u>	Vanessa Hua	San Francisco Chronicle

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 some structural and mostly excavation support steel
- STS invert and plinth concrete placements for track installation
- 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 and Initial Phase Meetings continue as the scheduled activities dictate
- Sequential Excavation Method (SEM) Meetings (daily at 8:00 am at the CTS site) and Instrumentation/Monitoring and Construction Management Task Force (CMTF) Meetings (Tuesdays and Fridays; changed from Thursday to better align with SEM convergence and pressure cell readings that are taken Monday and Thursday – and changed to daily at 7:00 am while compensation grouting is being performed at the Mandarin Tower and adjacent buildings)
- 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)
- 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. Determination of availability of an existing concrete mix that meets concrete Class F permeability requirements for slurry walls.
- QA Staff continues random/spot checks of the 1300 Contractor's Field Testing lab results.
- Numerous meetings associated with how TPC at UMS is documenting on-going work and acceptance of work (primarily as a result of the RE's processing of pay requests predicated upon TPC QC's SE CWI's Daily Inspection Reports (DIRs) have resulted in the continuing challenging task of the development of a welding inspection log that will eventually clearly in-

Quality Assurance - Continued

licated exactly what welds/connection have been included in the Monthly Pay Application as well as documenting that all welds have been performed to and accepted as required by our Contract Documents and the Welding Code (D1.1) . A meeting was conducted resulting in TPC QC and Smith Emery amending their welding inspection documentation to clearly indicate how each weld connection's CWI acceptance has been accounted for. Another follow-up meeting, to assure that all welded connections have been accepted by SE's CWIs will be conducted June 2017

- Contractor Non Conformance Reports (CNCR) Status as indicated in the TPC QC CNCR Log:
 - ◇ 11 (+2 from 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).
 - ◇ 26 (-8 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.)
 - ◇ 9 (-26 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 (+1 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.
 - ◇ 186 (+6 from last month) CNCRs are currently posted to the CNCR Log as CLOSED.
 - ◇ 39 (+2 from 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)
 - ◇ 299 (+5 from last month) CNCRs are currently posted to the CNCR Log

QA Issues:

- SEM Excavation (in particular the South Center Drift excavation started before Side Drifts were completed) not performed as required by the Contract Specifications; with the Contractor's Management allowing the excavation to proceed predicated upon an undocumented understanding/agreement reached during a meeting with TPC and SFMTA. CTS NCN 01 was issued – TPC issued CNCR 299. QA will scrutinize TPC's suggested disposition to ensure that appropriate actions are taken by TPC Management to assure that the excavation is performed in compliance with the Contract Document requirements

QA Concerns:

- As is typical to similar Projects, work performed prior to receipt of approval status of required submittals/RIFs with/without knowledge of QC remains a potential item(s) of concern
- Deterioration of both the SEM and CMTF Meetings; the primary concern being the technical discussions and resolution of issues is being prevented or stymied by contractual bickering

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 provided to the project team and the FTA PMOC
- TPC's response to Quality Assurance Audit Report QAA 026, Implementation of TPC's Quality Control Program (QCP) was received and as resources allow, is currently under review with some additional documentation/information required prior to audit closeout; specifically associated with documentation related to mechanical couplers. This audit will be closed-out as resources allow
- Completion of Quality Assurance Surveillance related to material receipt – with the report to be published June 2017



A welder cuts brackets atop a waler against the west wall of the station box, as part of temporary bracing work.

Risk Management

Risk Mitigation Management Meeting No. 94 was held on May 4, 2017. The Risk Assessment Committee reviewed and discussed the Projects Construction Risks with ratings above 6; and Active Construction Risks rated below 6.

Currently the Program is tracking thirty-two (32) construction risks and one (1) remaining requirement risk on the Project's Risk Register. These risk will continue to be monitored and status 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 Ten Risk

Risk #	Risk Description	Risk Owner	Risk Rating	Contract
232	Behind Schedule – Inability to recover or arrest the further schedule deterioration from the 1300	ES	20	STA
240	Unresolved Assignment of Schedule Delay Responsibility (may lead to increase cost for the Program)	ES	8	STA
234	Sequential Excavation Method at CTS - Contractor's propose method will induce subsidence	DJ	7	CTS
52	Unacceptable settlement and impact on major utilities at CTS. (OLD SEWERS AND OTHERS WITHIN 20FT SPACE BETWEEN TOP OF CAVERN AND STREET LEVEL)	DJ	6	CTS
238	Quality Program is ineffective in processing the nonconformance items causing schedule impacts	ML	6	STA
205	Prolong period of CMod's creates additional cost/causes bad blood between Resident Engineer and Contractor	ES	6	STA
229	CN1300 System Acceptance Testing	AH	6	GEN
230	SFMTA Commissioning Coordination (inaccurate time for coordination or participation from Muni Ops)	AH	6	GEN
99	Breakdown in relationships between SFMTA and Contractors during construction results in increased claims and delays to the overall construction schedule.	ES	5	STA
104	CPUC approval at Grade Crossing for G0164d takes longer to negotiate / obtain than schedule allows	SP	5	STS

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 May, TPC had one first aid incident. It consisted of a welder getting burned by some hot slag.

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 is starting to excavate more material and will reach a lower level. We will be watching this operation to ensure everyone stays out of the raised loads of muck.
2. At the UMS station, work continues underground with excavation.
3. At the YBM station, invert pours have been completed inside of the station. Struts and walers are starting to be removed.
4. At the STS station, work continues on the utility relocations.

Technical Capacity

After staff departure from Central Subway Program, the Program is actively searching, recruiting, and interviewing candidates for Contract Claims Administrator, Estimator, Assistant Resident Engineer, Office Engineer and Construction Inspector positions.



Workers scope out grading work at the south headwall, where stairs and escalators will eventually bring passengers to and from the station platform.

Staffing

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

	Mar-2017		Apr-2017		May-2017	
	Planned	Actual	Planned	Actual	Planned	Actual
Project Management						
Program Management	6.60	6.00	6.60	6.00	6.60	5.00
Quality Assurance	1.80	2.30	1.80	2.30	1.80	1.30
Contract Administration	1.40	1.40	1.40	1.40	1.40	7.40
Community Outreach	5.50	3.00	5.50	3.00	5.50	5.50
Finance	2.00	2.00	2.00	2.00	2.00	0.00
Project Controls	4.80	6.30	4.80	6.30	4.80	2.80
Subtotal	22.10	21.00	22.10	21.00	22.10	22.00
Construction Management						
CM - CN 1252	0.00	0.00	0.00	0.00	0.00	0.00
CM - CN 1300	29.98	30.98	29.98	30.98	29.98	25.50
Design Support - CN 1252	0.00	0.00	0.00	0.00	0.00	0.00
Design Support - CN 1300	12.40	12.40	12.40	12.40	12.40	10.70
Subtotal	42.38	43.38	42.38	43.38	42.38	36.20
Start Up						
Start Up / Safety & Security	2.00	2.10	2.00	2.10	2.00	1.20
Subtotal	2.00	2.10	2.00	2.10	2.00	1.20
Total	66.48	66.48	66.48	66.48	66.48	59.40

Program Safety & Security - continued

Project Safety Record - Contract 1300

SAFETY GOALS

Through Month End -May 2017

OSHA Recordable Accidents, <3.4 Lost Time Cases, <1.6
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JOB TO DATE	Tutor	Subs	Total Project	Rate*
OSHA Recordable Accidents	5	1	6	0.53
Job Transfer or Restricted Duty Cases	0	0	0	0.00
Lost Time Cases	1	0	1	0.09
Total Project Incidents	6	1	7	0.62
Man Hours Worked Through M/E May 2017	1,013,121	1,235,757	2,248,877	

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 May 2017	140,013	143,138	283,151	

* 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.

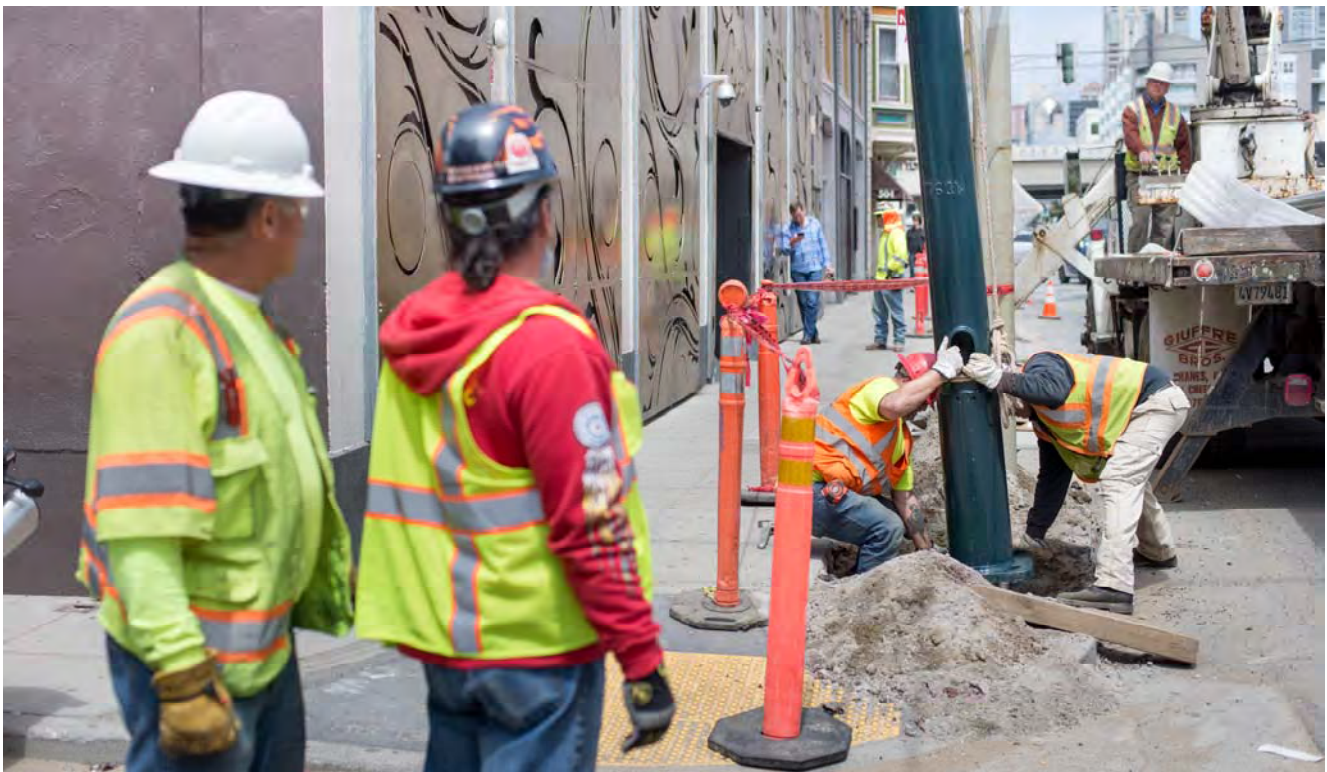
Third-Party Agreements

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.

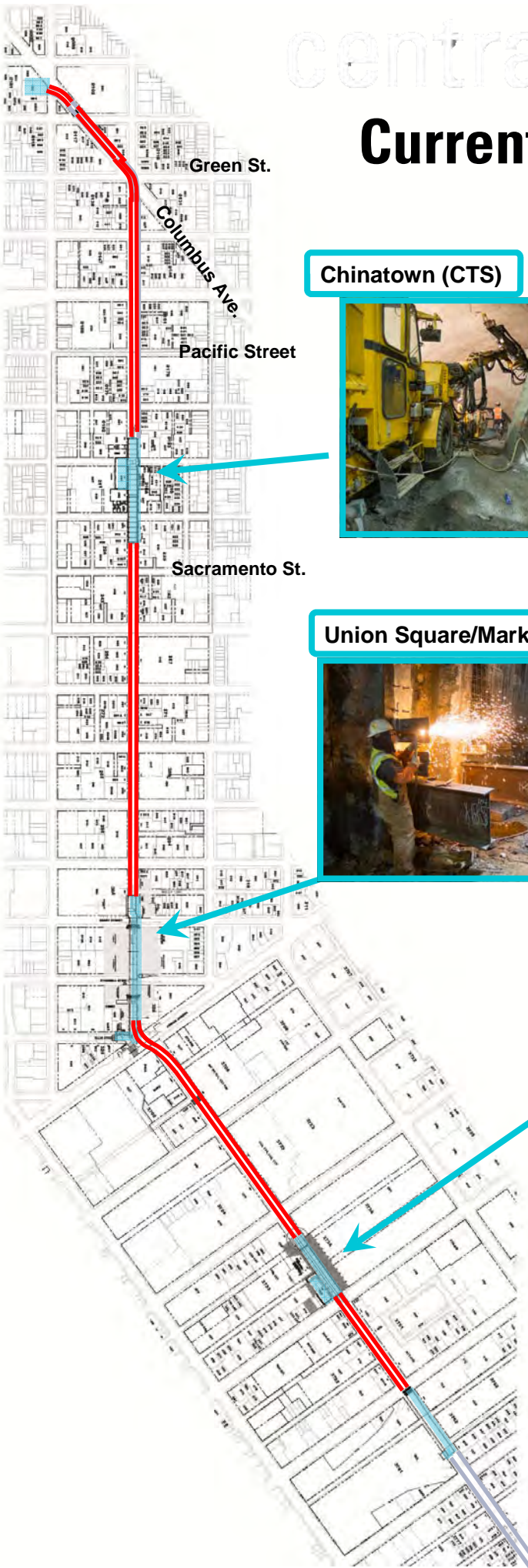
Production of the first 20 cars continues. The fourth car 2005 will be delivered to SFMTA June 1st, 2017, ahead of schedule. Mainline and yard qualification testing including brakes/propulsion, train control, and communications system testing is underway with Cars 2001 and 2002. Static, routine dynamic, and coupled consist testing continues on Cars 2002 and 2003. Static testing is in progress on Car 2005. Final assembly and testing of Cars 2004 and 2006 are in progress and scheduled for delivery in June and July.”



Workers carefully lower an OCS pole onto its foundation before bolting it into place at 4th and Welsh.

central **T** subway

Current Construction Activity



Chinatown (CTS)



Union Square/Market Street (UMS)



Yerba Buena/Moscone (YBM)



4th St. Surface Track, Systems (STS)





Crews install drill pipe casings as part of soil grouting work before excavating out portions of the south cavern top header.



Station and tunneling engineers discuss the status of operations inside the left side drift of the south platform cavern, while an excavator removes shotcrete.



A large air-blowing system used as part of station interior ventilation is being disassembled on the east side of the work site.



Looking south inside the cross-cut cavern, the right and left side drifts of the south platform cavern are clearly visible, separated by the top header and bench below (center).



Sparks fly as a welder cuts steel brackets to proper dimensions as part of temporary bracing installation work inside the station box near the north headwall.



Concrete forms installed against recently-constructed terrace planter basins help prepare work for the next phase of terrace construction.



A bulldozer scales the incline leading from the invert level of the station box, as excavation of the lowest level of the station has begun.



Pieces of demolished tunnel lining segments are sorted in a collection area near the truck loading zone atop the surface work site between O'Farrell and Geary.



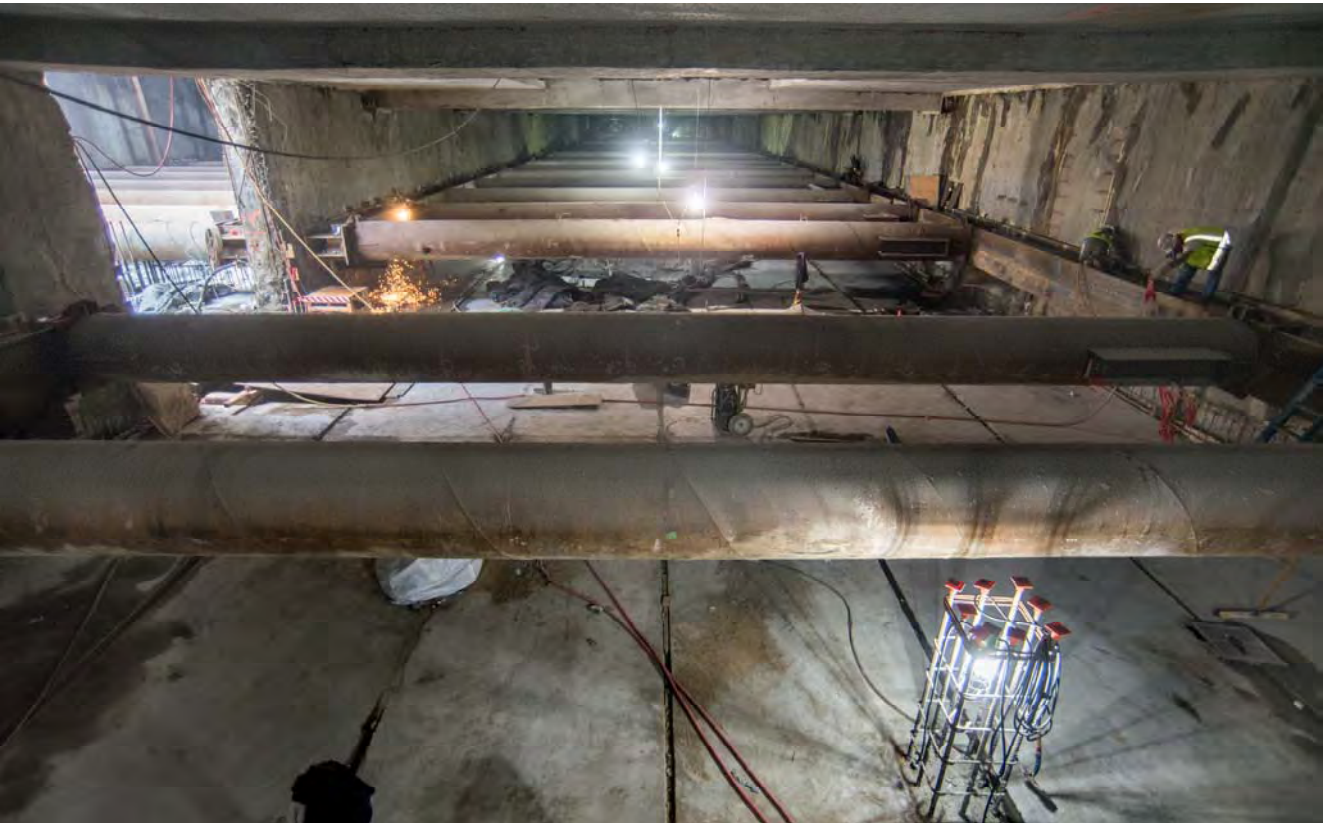
Workers finish smoothing the concrete surface of the last section of station box invert slab, at the access portal leading to the headhouse.



View looking north inside the concourse level of the station box under 4th Street, where internal structural elements and utilities are being installed.



A shower of sparks on the west wall of the platform level jets from temporary bracing being removed following the completion of the station box and headhouse invert slabs.



Looking north from the south headwall inside the station box's platform level, temporary bracing is being removed.



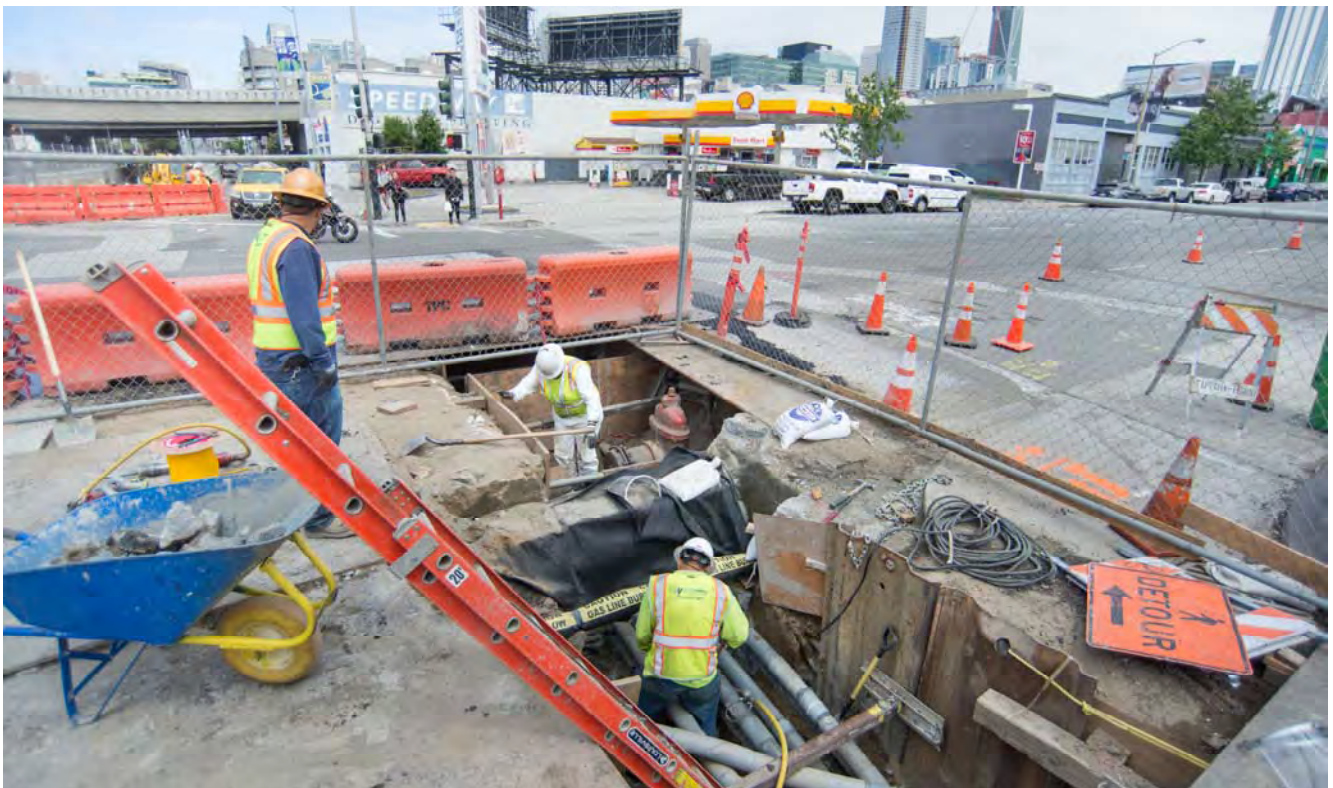
Crews have been installing new poles on 4th Street for the overhead catenary system (OCS) which will power light rail vehicles up and down the surface alignment.



A crew digs a utility trench at 4th and Welsh, where water line and other utility work is being conducted.



A crew conducts water line potholing work on the west side of 4th at Freelon.



High-pressure water line pipes and utility conduits are being installed at the southeast corner of 4th and Bryant as part of utility relocation and upgrade work.

Appendix A

DETAIL COST REPORTS

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 \$1,070.41 million, a \$11.43 million increase over last month. The cost to date figure reflects expenditures through FAMIS 786 Report (\$1,032.08 million) plus the utilities joint trench Form B Reimbursement payment (\$11.24 million), invoices currently being processed (\$23.36 million) and estimates of outstanding pay requests (\$3.75 million). This incurred amount equals 67.82% of the total project budget of \$1.578 billion.

The current funding level to date is \$1,329.79 million. This represents 84% of the total project budget.

CONTRACT	PP NO	PP PERIOD TO	PROG PYMT AMOUNT
CS155.1	66	5/31/2015	\$ 2,121.00
CS155.1	67	6/30/2015	\$ 1,180.00
CS155.1	66&67	8/31/2015	\$ 3,005.81
CS155.1	68&69	10/31/2015	\$ 8,465.57
CS155.1*	70&71	12/31/2015	\$ 7,898.00
CS155.1*	72, 73 & 74	3/31/2016	\$ 13,280.00
CS155.1*	75, 76 & 77	6/30/2016	\$ 24,327.00
CS155.1*	78, 79 & 80	9/30/2016	\$ 65,000.00
CS155.1*	81, 82 & 83	12/30/2016	\$ 50,000.00
CS155.1*	84, 85 & 86	3/31/2017	\$ 45,500.00
CS155.2	82	12/31/2016	\$ 428,924.91
CS155.2	83	1/31/2017	\$ 370,766.70
CS155.2	84	2/28/2017	\$ 417,473.07
CS155.2	85	3/31/2017	\$ 521,835.71
CS155.2*	86	4/30/2017	\$ 550,000.00
CS155.2*	87	5/31/2017	\$ 550,000.00
CS155.3	78	9/30/2016	\$ 115,190.05
CS155.3	79	10/31/2016	\$ 74,598.61
CS155.3	80	11/30/2016	\$ 81,225.77
CS155.3	81	12/31/2016	\$ 102,053.91

CONTRACT	PP NO	PP PERIOD TO	PROG PYMT AMOUNT
CS155.3	82	1/31/2017	\$ 70,096.88
CS155.3	83	2/28/2017	\$ 61,878.88
CS155.3	84	3/31/2017	\$ 77,875.07
CS155.3	85	4/30/2017	\$ 33,071.54
CS155.3*	86	5/31/2017	\$ 65,000.00
CN 1300	40	4/30/2017	\$ 8,979,702.00
CN 1300	41	5/31/2017	\$ 10,354,787.00
CS149	96	12/31/2016	\$ 646,895.15
CS149	97	1/31/2017	\$ 483,899.31
CS149	98	2/28/2017	\$ 509,322.00
CS149	99	3/31/2017	\$ 630,228.76
CS149*	100	4/30/2017	\$ 460,127.59
CS149*	101	5/31/2017	\$ 460,000.00
CS156	73	12/31/2016	\$ 64,250.61
CS156	74	1/31/2017	\$ 40,466.35
CS156	75	2/28/2017	\$ 39,626.86
CS156*	76	3/31/2017	\$ 49,354.34
CS156*	77	4/30/2017	\$ 45,000.00
CS156*	78	5/31/2017	\$ 45,000.00
other accruals*		5/31/2017	\$ 566,881.13

* Estimated Amount

\$ 27,116,309.58

2. CONTINGENCY ALLOCATIONS AND USAGE

The current Total Project Contingency is **\$74.93 million**, which is a \$14.93 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".

In this reporting period, Contract 1252 Tunnel did not process any contract modifications. Contract 1300 Station processed four contract modifications in the amount of \$160,114. Refer to Report 7.5 for approved contract modifications and potential changes.

3. BUDGET TRANSFERS

Contract 1300 Station processed four contract modifications in the amount of \$160,114; three contract modifications in the amount of \$136,824 in SCC 40 category and one contract modification in the amount of \$23,290 in SCC 20. There is a net budget transfer of \$0 in this reporting period due to the further drill down of SCC 10-50 categories; allocated contingency is in SCC 20 category. When a contract modification is processed, the funds are drawn from allocated contingency.

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 \$11.24 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)	288,970	1.3.086.05.040.02 - YBM.1255: SITE UTILITIES, UTILITY RELOCA
TOTAL	(11,973,904)	11,243,661	

5. EARNED VALUE (EV) ANALYSIS

In May 2017 Report, the Preliminary Earned Value Analysis reports is based on the SFMTA May Schedule Update. The Planned Value, Earned Value, Actual Cost, Percent Complete and resulting indexes as follows:

Preliminary May Earned Value

Overall Budgeted Cost:	\$1,578,300,000
Planned Value:	\$1,401,896,036
Earned Value:	\$1,043,940,351
Actual Cost:	\$1,070,407,740
Schedule Performance Index (SPI):	0.74
Cost Performance Index (CPI):	0.98
Percent Complete:	66.1%

SFMTA, EV Chart

MAY 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	SP
CENTRAL SUBWAY PROJECT										
	Preliminary Engineering Phase	03-Jun-03 A	14-Dec-21	66.09%	\$1,578,300,043.08	\$1,401,886,035.85	\$1,043,940,350.50	\$1,078,407,740.46	0.98	0.74
	Final Design	03-Jun-03 A	07-Jan-10 A	100%	\$46,542,061.34	\$46,542,061.02	\$46,542,061.02	\$46,542,060.53	1.00	1.00
	Light Rail Vehicles	08-Jan-10 A	17-Jun-13 A	100%	\$115,075,987.10	\$115,075,987.06	\$115,075,987.06	\$113,950,952.17	1.01	1.00
	Real Estate	15-Apr-13 A	21-Jun-19	8.25%	\$26,385,653.00	\$26,385,653.00	\$2,177,131.58	\$2,147,782.08	1.01	0.08
	Construction Phase	01-Aug-08 A	26-May-17	82.4%	\$32,140,417.71	\$37,093,795.40	\$30,822,332.40	\$30,625,616.53	1.01	0.83
	Construction Support and Costs	03-Jan-10 A	19-Jun-20	63.16%	\$1,349,275,521.93	\$1,176,798,539.39	\$849,322,838.44	\$877,141,329.15	0.97	0.72
	Construction Utility Contract #1 - MOS & Portal CN-1250	03-Jan-10 A	19-Jun-20	49.93%	\$200,922,949.93	\$117,160,983.11	\$88,783,071.67	\$121,424,775.98	0.82	0.85
	Construction Utility Contract #2 - JMS CN-1251	04-Jan-10 A	23-May-11 A	100%	\$11,968,150.00	\$11,968,150.00	\$11,968,150.00	\$11,968,150.00	1.00	1.00
	Construction Tunnels CN-1252	12-Jan-11 A	15-Oct-12 A	100%	\$20,794,582.00	\$20,794,582.00	\$20,794,582.00	\$20,794,582.00	1.00	1.00
	Construction CN-1300	08-Jun-11 A	27-May-17	93.05%	\$235,913,540.00	\$251,068,967.23	\$233,093,894.28	\$233,810,888.17	1.00	0.93
	Unallocated Contingency	03-Jun-13 A	24-Sep-19	56.11%	\$879,676,400.00	\$775,805,857.04	\$483,168,140.48	\$489,142,923.00	0.99	0.62
	Project Management	26-Jun-19	10-Dec-19	0%	\$9,880,402.00	\$0.00	\$0.00	\$0.00	0.00	0.00
		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.

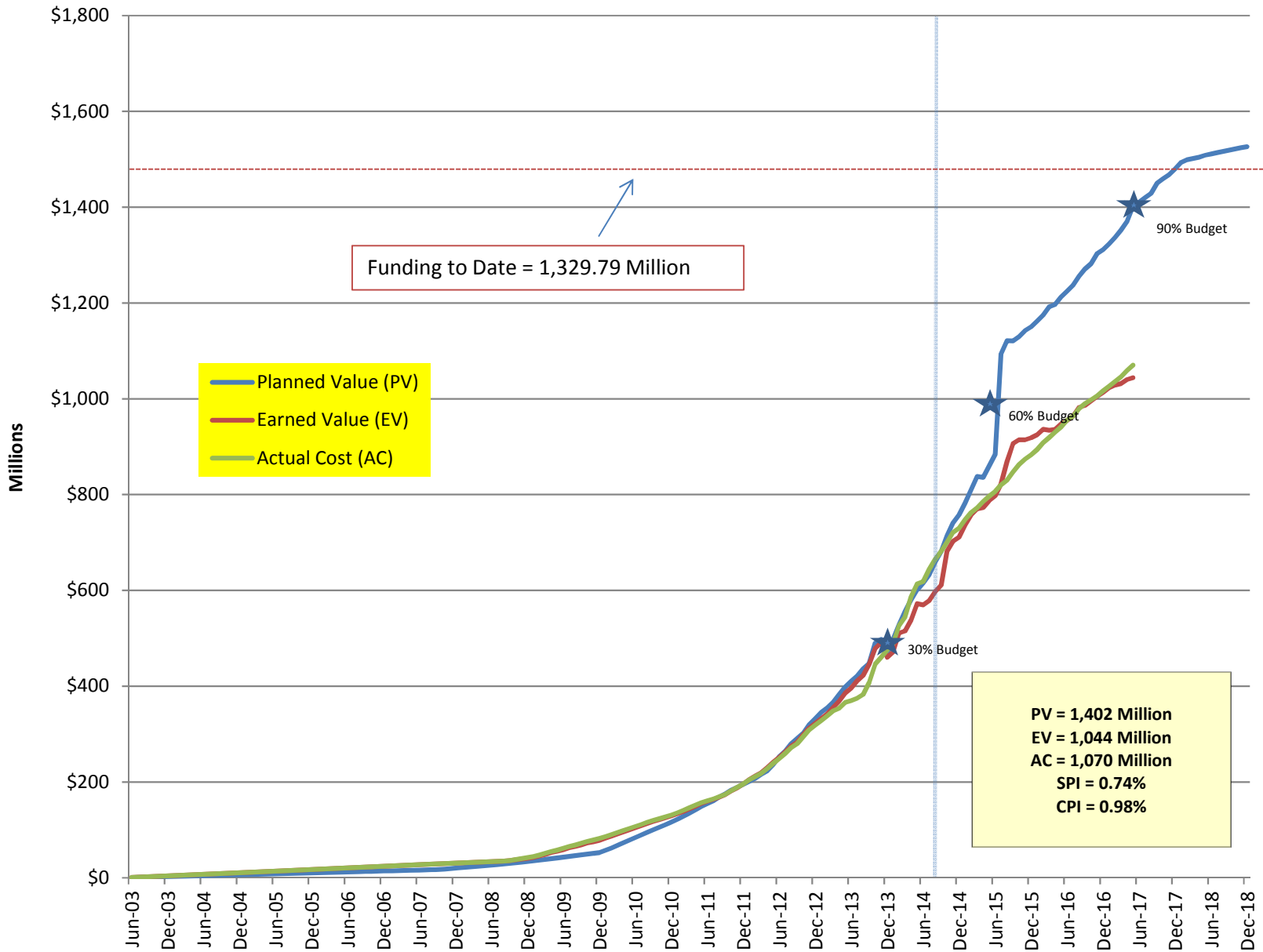
Funding Available Table		
	Funding	
	Committed Funding Sources	Total Awarded Funds to Date
Federal		
Sect. 5309-NS	\$942,200	\$769,196
CMAQ	\$41,025	\$41,025
Federal Subtotal	\$983,225	\$810,221
State		
TCRP	\$14,000	\$14,000
State RIP	\$88,000	\$12,498
Prop. 1B (I-Bond) PTIMSE	\$307,792	\$307,792
Prop. 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	\$1,329,794

7. LIST OF COST REPORTS

- 7.1 Program Project Budget
- 7.2 Earned Value Cash Flow
- 7.3 Contingency Drawdown Curve
- 7.4 Summary Contingency Management Trend Report
- 7.5 Detail Contingency Usage Report
- 7.6 Budget Revisions: Report sorted by Construction Packages & Soft Costs
- 7.7 Project Budget & Expenditure Report: Sorted by SCC Summary
- 7.8 Budget & Expenditure Report: Sorted by SCC Details
- 7.9 Detail Monthly Expenditure Report: grouped by Project Phase
- 7.10 Cost Report Notes

A. Central Subway Project						
Project	Name	Amount	PM	Funding Source	Reporting	Cost Report Notes
1	CPT544 Central Subway Project	\$1,578,300,000	J. Funghi	62% Fed, 30% State, 8% Local	yes	1
Total:		\$1,578,300,000				
B. Related SFMTA Capital Improvement Projects						
Project	Name	Amount	PM	Funding Source	Reporting	
2	CPT690 TBM Retrieval Shaft Relocation	\$9,700,000	Funghi/Magary	MTA Operating Funds	no	2
3	CPT718 Chinatown Metro Plaza	\$6,980,000	J. Funghi	Transbay Redevelopment	no	3
4	CPT665 Central Subway Project - Goodwill	\$2,367,750	K. Magary	I-Bond Interest	no	4
5	CPT705 MOH - Broadway/Sansome	\$8,000,000	K. Magary	MTA Operating Funds	no	5
Total:		\$27,047,750				
C. Central Subway Project - Project Offset Credits						
	From	Amount	Index	Notes	Reporting	
1	2009-2016 Utility Co. - Form B Reimbursement	\$12,227,954	--	Construction contracts	yes	6
2	2017-2019 PG&E - Power Feed Reimbursement	\$7,624,540	--	Not yet bill PG&E	yes	7
3	6/26/2013 BART Elevator	\$90,000	68CPT544135B	Not yet rec'd BART Funds	yes	8
4	11/6/2013 Tutor Perini - CAD Files	\$2,500	68CPT5441236	Deposit to Design Index	yes	9
5	1/27/2014 SFPUC - Sewer Main	\$2,925,296	68W251	Certified in Contract 1300	yes	10
6	8/27/2014 SFMTA Traffic Effectiveness Project funded	\$694,651	68W324/686D42	Contract 1252 CMod #40	yes	11
7	9/27/2014 SFPUC - 24" Water Main	\$328,857	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				

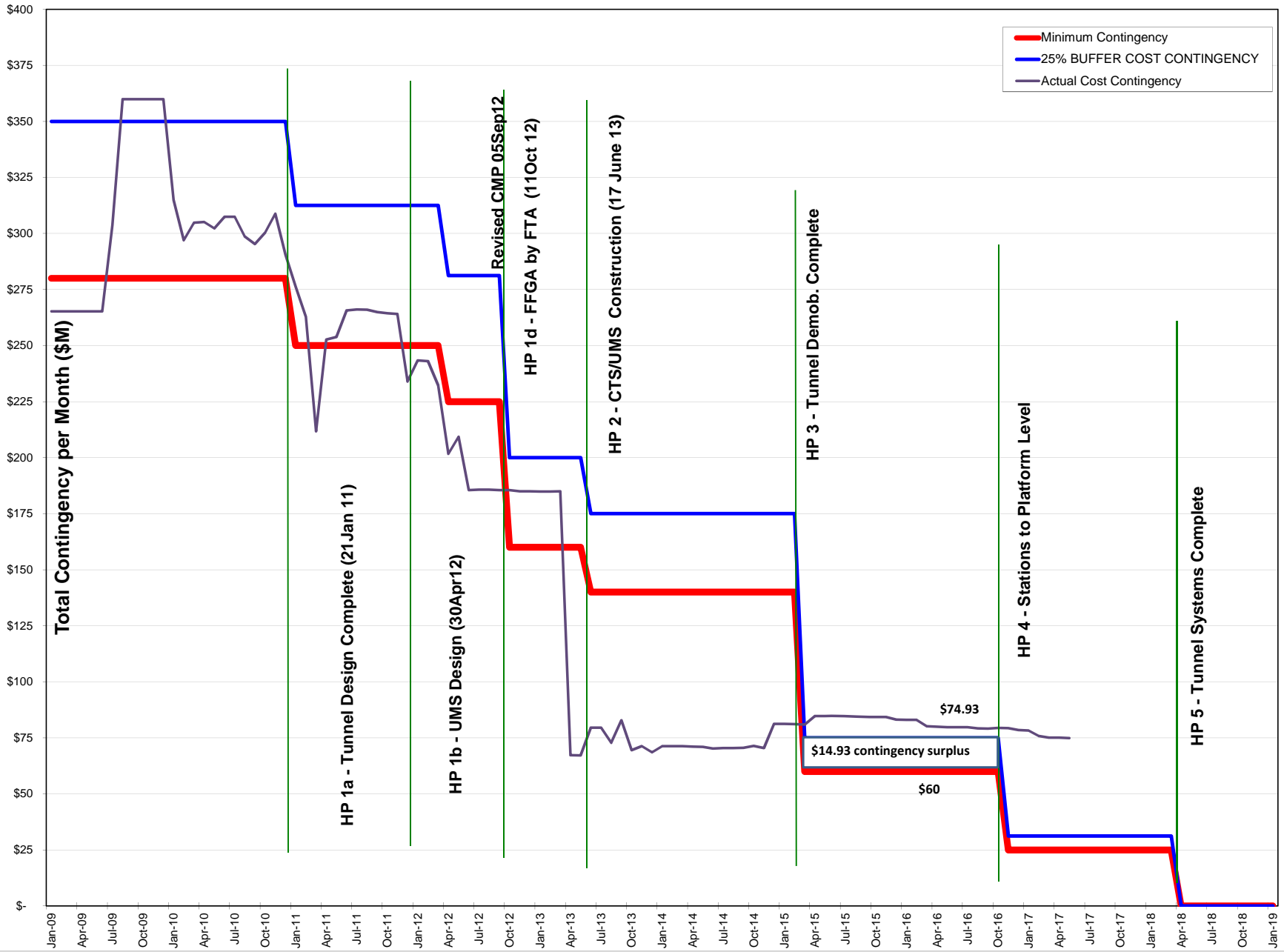
Earned Value Cash Flow Curve



Funding to Date = 1,329.79 Million

PV = 1,402 Million
EV = 1,044 Million
AC = 1,070 Million
SPI = 0.74%
CPI = 0.98%

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 (Exclude CN 1250 & CN1251)	CONTINGENCY ADJUSTMENT TRANSFERS	REVISED AUTHORIZED CONTINGENCY (Exclude 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	[a + b]	d	[c + d]	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	2,694,211	11,968,150		11,968,150	1,953,377	740,834	2,694,211		11,968,150		17	
		166,756		166,756		166,756					166,756			
1251	UTILITY RELOCATION PACKAGE #2 <i>Contract 1251 Department of Technology</i>	16,832,550	3,962,032	20,794,582		20,794,582	5,367,297	(1,405,265)	3,962,032		20,794,582		18	
		75,615		75,615		75,615					75,615			
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	839,676,400	7,245,928	846,922,328	31,463,567	878,385,895	20,000,000	20,000,000	40,000,000	32,754,072	1,290,505	879,676,400	1,290,505	20
	1253 UNION SQUARE/MARKET ST STATION [JMS]	294,030,590	2,221,945	296,252,535	14,649,179	310,901,714	5,000,000	15,000,000	20,000,000	17,778,055	3,128,876	314,030,590	3,128,876	
	1254 CHINA TOWN STATION [CTS]	247,567,810	2,964,460	250,532,270	7,037,239	257,569,510	5,000,000	5,000,000	10,000,000	7,035,540	(1,700)	257,567,810	(1,700)	21
	1255 YERBA BUENA/ MOSCONE STATION [YBM]	158,089,000	57,052	158,146,052	3,001,264	161,147,316	5,000,000		5,000,000	4,942,948	1,941,684	163,089,000	1,941,684	
	1256 SURFACE TRACKWORK & SYSTEMS [STS]	139,989,000	2,002,470	141,991,470	6,775,884	148,767,355	5,000,000		5,000,000	2,997,530	(3,778,355)	144,989,000	(3,778,355)	
OTHER		32,293,501		32,293,501	0	32,293,501	1,160,000		1,160,000	1,160,000	1,160,000	33,453,501	1,160,000	
SCC 10 - 50 Construction Sub-total		1,131,902,776	15,396,940	1,147,299,716	31,483,567	1,178,783,283	44,818,464	(1,328,979)	43,489,485	34,748,787	3,265,220	1,182,048,503	3,265,220	
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	5,034,457	8,880,402	8,880,402	8,880,402	8,880,402	8,880,402	24
TOTAL		1,503,041,328	331,750	1,503,373,078	31,483,567	1,534,856,645	70,162,429	13,505,190	83,667,619	74,926,921	43,443,354	1,578,299,999	43,443,354	
											Total Project Budget	1,578,300,000	25	
											Estimate At Completion	1,534,856,645	26	
											Variance	43,443,354	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	

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	\$839,676,400	\$846,922,328
Substantial Completion	2/10/2018	2/10/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
Potential Changes	14,649,179	7,037,239	3,001,264	6,775,884	28
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)			
STS COR #229 Multi E Util Conf w N				7,656	
STS COR #296 Mult E Util Confl AWSS				47,052	
STS COR #89 Extra Sewer Work				15,561	
STS COR 074 AWSS Offset/Sewer Demo				93,763	
STS COR 254 DSC 4" Confl w 36" FM				22,667	
STS COR 258 WD/PVC Conflict				76,194	
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 639 Util conf w/ 12" AWSS				27,197	
STS COR 641 SW delay due to conf ut				9,114	
STS COR 829 Unkn Concrete Blanket				3,613	
UMS COR 1087 (E) 6-inch Gas Line	11,297				
UMS COR 933 CMod for Option 2	400,000				
UMS-FACO #32 8" Waterline Conf NDSC	58,672				
YBM COR 566 WD Tie-In @ Folsom			2,543		
CTS COR 1016 Locate Water Leak		936			
CTS COR 1086 FP Deluge Valve		0			
CTS COR 1111 Rev to Platform Cavern		10,001			
CTS COR 1157 Stringer Support Embed		0			
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 350 Obnoxious Hydrocar Odor		120,889			
CTS COR 408 MSX Termination		191,291			
CTS COR 437 Unanticipated Elec @ Sh		50,001			

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	\$839,676,400	\$846,922,328
Substantial Completion	2/10/2018	2/10/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
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		35,001			
CTS COR 583 Elev 1-4 SFFD monitor		53,619			
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 722 Elv 1-4 OH Str Host Bms		23,823			
CTS COR 723 Strc Gls Asse Add Desig		0			
CTS COR 780 Aded Frit on Roof Panls		19,229			
STS - COR 1166 Thales Schedule TIA				2,000,001	
STS- AT&T Conduit Changes				5,805	
STS COR 014 Addtl MNHS for 78" SW				27,500	
STS COR 1022 2" Traffic Sgnl Condui				30,000	
STS COR 1030 1" Water line in Confl				2,500	
STS COR 1034 E live DT/MRY Ductbank				50,000	
STS COR 1045 78" Conc Cap Repair				19,050	
STS COR 1085 AWSS Confl w/ 36" Swr				16,233	
STS COR 1091 Conc Footing & PVC				5,000	
STS COR 1097 21" Sewer Bulkhead				13,338	
STS COR 1099 Cnflct with 24" casing				20,000	
STS COR 1100 E Swr Cnfl w/ 18" HDP				5,000	
STS COR 1104 Unkwn Aluminum Pipe				5,000	
STS COR 1115 Unkwn Conc Impdng AWSS				5,000	
STS COR 1116 Live Ductbank in Cnfl				15,000	
STS COR 1147 Utility Conflict				10,000	
STS COR 1150 Unkwn 18" Stl Line				25,000	
STS COR 220 DSC Relocate MRY DB&Vlt				0	
STS COR 297 TC for Track Work at 4t				150,001	
STS COR 402 3x5 SW Confl w/ VCP SW				10,001	
STS COR 404 Contam Soil in MRY DB				18,893	
STS COR 406 Addtl TC at 4th/King				675,001	

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	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 455 Conflicts w/ 8" WD Line				10,001	
STS COR 456 Conflicts w/ MRY Poles				20,001	
STS COR 461 WD Confl w/ Mult Utilit				63,896	
STS COR 475 Removal of Fiber Optic				1,101	
STS COR 476 Conc DB Conf w/ FH				20,645	
STS COR 484 New WD & AWSS Alignment				44,350	
STS COR 488 Tunnel Track Alignment				50,001	
STS COR 500 Tunnel Monuments				5,001	
STS COR 559 Temporary Trolley Pole				6,132	
STS COR 604 Duct Bank in conf. w se				4,271	
STS COR 609 Damaged MRY Conduit				14,626	
STS COR 665 Ov prd Lit Pl fdn in				901	
STS COR 675 Dct bnk & 3" Gas Line				10,001	
STS COR 682 Shtdown #1 Rail Mods				9,432	
STS COR 683 Gas Ln & unkn Duct Bank				5,001	
STS COR 688 Ukn Piers /conct N 12"				537	
STS COR 694 Tr Rts in con/car pipes				5,001	
STS COR 699 Dct Bnk in Cnf w 36"FM				20,001	
STS COR 700 RFI-00795.1				142,836	
STS COR 702 Brk Cs Bsn cnct w N Cuv				5,001	
STS COR 737 Dct Bnk infc w AT&T Rem				5,001	
STS COR 788 Add Basin & Culvert				28,843	
STS COR 791 CP5 Drainage Pipe BckFl				3,871	
STS COR 796 Woodn Piers Woodn Beams				10,001	
STS COR 826 DSC Swr Cap & I Beams				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				2,501	
STS COR 855 Flooded Subgrade				20,001	
STS COR 865 Sd Swr Mnhl & 15" Sw Ln				15,001	
STS COR 873 Ex L3 DcBnk Incn Pv Ren				2,400,001	
STS COR 874 Inter Loc of MRY Dc Bk				20,001	
STS COR 890 Ex Pll Box Incon Crb Rm				3,001	
STS COR 894 Ins I Bm for 3648 Shor				1,246	
STS COR 909 PGE Gas Interruption				50,001	

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	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 911 E SW Conf w 48" SW				15,001	
STS COR 919 Add Feather to Hg Csts				10,001	
STS COR 920 Hoist Beam Supports CP5				(1,932)	
STS COR 921 Exi Cond Clu incon/ Swr				6,001	
STS COR 924 Ovpod Con inconf Catbsn				2,869	
STS COR 926 E TS conduits conf w pa				10,001	
STS COR 927 E Gas Conf w N CB				3,001	
STS COR 929 MH Conf w SW Grout				5,001	
STS COR 930 SW Cracks Conf w Grout				5,001	
STS COR 931 Tree Removal				2,998	
STS COR 950 Gas Conf w N 8" AWSS				5,001	
STS COR 962 4th/King Incomp Hrdwr				34,448	
STS COR 967 Lwr Lvl Can Per SFMTA				270	
STS COR 969 Mv Stl Plts L Frm Twnsd				389	
STS COR 983 Ex Rbr in Cnflt w/ WL				2,500	
STS COR 995 E 3" Asbs Conduit Cnflt				982	
UMS COR 1025 Mezz Headwall Wale	57,494				
UMS COR 1041 Culvert Removal	585				
UMS COR 1044 Platform Lvl Headwall	75,271				
UMS COR 1047 Column Reinforcing	8,857				
UMS COR 1050 Pile Cap Reinforcing	3,627				
UMS COR 1052 Ellis Sewer Line	3,951				
UMS COR 1076 Unkwn Conduits & Conc	50,000				
UMS COR 1098 Fireprfing Mezz Struts	73,662				
UMS COR 110 DSC Obst. at JG Columns	2,062,420				
UMS COR 1112 8in WD Fire Service	7,500				
UMS COR 1114 TCP Install Line	0				
UMS COR 1123 Fiber Optic Cable	0				
UMS COR 1131 Missing Rebar 17 Line	5,322				
UMS COR 1134 CNCR 291 Ellis 6" Dra	0				
UMS COR 1145 Granite Curb Drawings	0				
UMS COR 1158 South Headwall Demo	0				
UMS COR 1161 HVAC Duct Chase	0				
UMS COR 1163 Wtrpf Well Termination	0				
UMS COR 336 Vault on Grid Line 9	1,312				

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	UMS	CTS	YBM	STS	COST REPORT NOTES
UMS COR 389 4" Steel line asbestos	951				
UMS COR 403 Waterproofing at BART	63,285				
UMS COR 687 Trant Pipe at St 134+00	497				
UMS COR 747 NDSC Unidnfied Con Pile	50,001				
UMS COR 762 Bm Fram at Strs 3 & 4	0				
UMS COR 790 Duct Bank Conflict	45,651				
UMS COR 798 Comp Grout Damage	50,001				
UMS COR 810 Unkn Bem @ M Macys Wall	433				
UMS COR 817 Odor at N. Concourse	100,000				
UMS COR 845 Unidntfid Conc Obstrctn	7,004				
UMS COR 883 Ventilation System FCP	0				
UMS COR 892 Escalator Raceways	492,065				
UMS COR 897 Light Pole Clar.	15,011				
UMS COR 913 Machine Room Size	0				
UMS COR 914 Glass Floor Connection	0				
UMS E Vault Conflicting Pile Line	14,576				
UMS-FACO #30 NDSC Inadequate CDF	157,462				
USG COR 1037 Lead Based Paint	144,890				
USG COR 1071 Excvtion Wrk Stoppage	50,000				
USG COR 1117 Steel Bracing	0				
USG COR 1152 Fill and Metal Deck	0				
USG COR 293 Water on N.Concourse	1,832				
USG COR 779 E WI Bm Reinf Chng	6,651				
USG COR 808 Dimensions at Escalator	0				
USG COR 998 Class 1 Hazardous Soil	200,000				
YBM COR 1026 Surf Lvl Slab Reinf Re			44,800		
YBM COR 1078 Elev Pit Depth			0		
YBM COR 1105 Unk UST in sidewalk			54,396		
YBM COR 1133 PLC's for AT2			65,000		
YBM COR 1151 Steel Pipe & Steel Bea			25,000		
YBM COR 1153 Escalator Equip. Mach			0		
YBM COR 1155 Live AT&T Cable Found			20,000		
YBM COR 1156 FP Deluge Panel Con.			0		
YBM COR 825 Tunnel Segm Steel Fibers			153,380		
YBM COR 953 Added Condensate Drain			63,070		

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	UMS	CTS	YBM	STS	COST REPORT NOTES
YBM COR 960 N & S Head WI Rbr Chng			64,027		
YBM COR 989 Emrg Phn-Light Fixtures			15,570		
Forecasted - Trends	3,640,210	1,626,875	452,891	343,810	
Negotiation					
Change of date range to receive art	(10,001)				
CTS - PCC #036 (CMU Wall Bracing)		19,552			
CTS COR 1014 Invt Slb Crb or Trough		5,000			
CTS COR 1035 FHC & Phns Dsgn Cnflct		10,001			
CTS COR 1053 Elv 1&2 Mach Rm Dim		10,001			
CTS COR 1070 Pltfrm Lvl Info Kiosk		10,001			
CTS COR 1128 Dir to Comp S Side		5,001			
CTS COR 582 Monitor at Agent Booth		95,958			
CTS COR 625 Added Cane Detc Rail		1,889			
CTS COR 626 Ad HSS & Plt @ H Beam		5,130			
CTS COR 627 Add HSS Col @ Tickt Mac		3,404			
CTS COR 628 Add Beams and Embeds		8,214			
CTS COR 643 Cncrt at S Pltfrm Excvtm		583,623			
CTS COR 695 Mod to Grondng System		10,001			
CTS COR 706 Glas Canpy Trench Drain		10,001			
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 COR 961 Relocate VCP due to del		10,001			
CTS Delete PGE Work at Vault 732		(35,036)			
CTS PCC 001 Delete DB on Stockton		(84,018)			
CTS PCC 169 JT Config Change		48,068			
CTS PCC 98 Slurry Wall Wr Proofing		0			
CTS PCC#25 Stairs 5, 6, 7 Mods		30,387			
CTS-COR#201 Swr Line & Station Roof		46,046			
CTS-Delete Tree Planting		(3,967)			
CTS-FACO#39- Soil Testing cmplly OAB		5,478			

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	UMS	CTS	YBM	STS	COST REPORT NOTES
CTS-PCC40 Plaza Surface Slab Pntrtn		5,525			
GEN PCC 183 Electric Power Elevator			49,186		
GEN PCC 189 Anti-Graffiti Film			103,727		
STS - Deletion of ARS (Revision 1)				(4,689,000)	
STS - OCS Pole Changes				12,706	
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 #92 PG&E Vault Conf 12 AWSS				55,931	
STS COR 067 FACO #41 GW Lead Filter				22,695	
STS COR 090 Subsurface Obstrc				20,452	
STS COR 091 PG&E Vault Conf 16" Wtr				40,001	
STS COR 093 12" Water Conf 12" Tee				5,001	
STS COR 094 Unknown DB Conf 12" Wtr				20,001	
STS COR 100 DSC Zayo PVC Conf w SW				4,082	
STS COR 1001 Deficient Comcast Cond				5,000	
STS COR 101 Cleaning for non-78" SW				58,906	
STS COR 1012 ATCS Work at SFMTA				10,001	
STS COR 1017 Increase Neoprn Pad le				5,000	
STS COR 1032 Lenox-TMC Design Cnflc				10,001	
STS COR 1038 E Unkn 18" Steel Pipe				5,000	
STS COR 1057 Rej of Traff Lght PI S				5,001	
STS COR 1072 Raised Prtl Walkway				10,001	
STS COR 164 DSC 8" AWSS Lat Conf 78				4,077	
STS COR 211 SW conf AWSS 4th/Freelo				4,561	
STS COR 367 DSC Conf w/ CP and FM				36,256	
STS COR 371 Conflicts w/ 12" AWSS				8,402	
STS COR 392 Util at 4th-Town SW MH				13,246	
STS COR 401 AWSS Layout 4th/King				31,866	
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				91,410	
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	

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	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 536 Util in Conf w 36" FM				66,287	
STS COR 567 Loct of Plinth Breaks				10,000	
STS COR 584 Debris confl w/ culvert				6,275	
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 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				20,001	
STS COR 664 Threaded Dowels				10,001	
STS COR 666 Ukn Con Vlt/con N36"				10,118	
STS COR 677 Fir Supsion stnpip Mat				3,895	
STS COR 703 Tuni Wakway Expn jnts				386	
STS COR 736 Addition Rein Handholes				6,340	
STS COR 755 AWSS Material Delay				8,772	
STS COR 787 AT&T Dct Bnk InCw N 36"				35,001	
STS COR 803 SFMTA External IT Feeds				10,001	
STS COR 807 Tunnel Invret Slab				13,198	
STS COR 813 Permissive Signal				10,001	
STS COR 834 Thales ATCS TC Pwr Dist				10,001	
STS COR 852 Caltrans Encrocmnt Prmt				10,001	
STS COR 862 Tactile Warn Surf				10,001	
STS COR 875 Existing Railroad Ties				2,695	
STS COR 880 Ex Dbk in con Ins SC				10,001	
STS COR 891 Phase 2 Pavment Renvtin				10,001	
STS COR 893 Abnd Wtr Ser @St 175+21				682	
STS COR 934 Revised Curb/Gutter				10,001	
STS COR 948 Sidewalk Elev Change				10,001	
STS COR 958 Trk Pave Change				50,001	
STS COR 965 DB conf w 8" WL and Sle				7,470	
STS COR 970 16" WL Installation				50,001	
STS COR 971 All Stns Rej of CCTV Sy				5,001	
STS COR 974 Fldng frm Brkn Wtr Mn				10,001	

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	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 976 Ex Unkwn Mnhl & Dct Bnk				10,001	
STS COR 979 (N) CB in Conf w/ (E) V				10,001	
STS COR 98 DSC MRY MH Conf w N CB				20,000	
STS COR 981 Ex 12" WM incorr				50,000	
STS COR 987 Unkn Utl conflt w/ (N)				40,000	
STS COR 996 Prtl WI Cnflct w/ slab				25,000	
STS COR 999 E 18" Steel Pipe Confli				10,000	
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				142,915	
STS PCC 096 4th Street SW Slip Lini				150,001	
STS PCC 117 PDS Signs Moun Brack				50,034	
STS PCC 151 LED Street Lamps				104,516	
STS Track Switch Machine Change				391,909	
STS Traffic Signal and SL Changes				298,307	
STS-FACO #48 Work Related St Lght				2,051	
UMS - DCW and Hose Bibbs	29,159				
UMS - N. Entrance Art Glass and Gla	0				
UMS - PCC #039 (12" WL Relocate)	336,359				
UMS - PCC #29 (Concrete Wale Suppt)	41,424				
UMS - PCC 027 (Escalator Barricade)	(9,227)				
UMS COR 1010 Emerg Phn Dsgn Conflic	5,000				
UMS COR 1023 CIP Wall Reinforcing	110,248				
UMS COR 1039 Info Kiosk Design Conf	10,001				
UMS COR 1058 Obstruction at C01W	8,121				
UMS COR 1063 UPS 2 Feeder Conductor	5,001				
UMS COR 1064 UPS Feeder Conductors	5,001				
UMS COR 1074 Traffic Signal Footing	10,001				
UMS COR 1101 Ellis Traffic Signal	10,001				
UMS COR 1102 New 8" WD Tie-In	61,979				
UMS COR 1110 Emrgy Str 3 & 4 Detail	10,001				
UMS COR 1134 CNCR 291 Ellis 6" Dra	5,001				
UMS COR 1135 Glass Panel Curb Reinf	5,001				
UMS COR 1139 Added Slab Dowels	5,001				

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	UMS	CTS	YBM	STS	COST REPORT NOTES
UMS COR 300 14 HDPE at Geary	(9,516)				
UMS COR 391 AT&T Duct Bank Conflict	25,001				
UMS COR 493 Steel Shape Inside Pile	25,001				
UMS COR 565 GEN Emer Vent Design	500,001				
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 661 Card Acc & Dr alm Pnts	10,001				
UMS COR 726 Beam 213 Stair Opening	48,524				
UMS COR 762 Bm Fram at Strs 3 & 4	10,001				
UMS COR 770 Fiil Void Sp with CDF	1,943				
UMS COR 774 Inadqte Conc Demolition	14,172				
UMS COR 781 Utility Trench Supp Slab	20,001				
UMS COR 789 Strs 3&4 SOE Shotcrete	10,001				
UMS COR 861 Fire Protec Deulge Vlve	10,001				
UMS COR 885 Light Pole Foundation	10,001				
UMS FACO #31 NDSC Incomplete PGE DB	165,944				
UMS FACO #38 Pile H3 & H4 Piles	15,438				
UMS FACO #45 Blocked Stubs PG&E	5,443				
UMS Geoprobe Credit	(15,600)				
UMS MRY Duct Bank-East Conflict	41,038				
UMS PCC 103 PG&E S.light at Maiden	6,831				
UMS PCC 136 Transformer in Vault 31	9,001				
UMS PCC 150 S. HW Wale Connection	26,640				
UMS PCC 153 Geary Catch Basin	(5,370)				
UMS PCC 195 Reinf. of Wall to Slab	3,947				
UMS PCC 213 Electrical at Ellis St.	(5,994)				
UMS PCC 222 Delete PG&E Conduits	(12,359)				
UMS PCC 86 Headwall Pile Conflict	8,982				
UMS Powell St. Elevator Site Hazmat	16,028				
UMS Sewer Line Conflict	744,465				
UMS Transfer Instru BART Facilities	45,280				
UMS-Relocation of Traffic Signal Co	32,275				
USG COR 1028 CMU Wall Concrete Slab	5,000				
USG COR 1109 Plaza Conc Strs Rein	10,001				

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	UMS	CTS	YBM	STS	COST REPORT NOTES
USG COR 1129 Waterproof Surface Pre	5,001				
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 365 Elevator Hoist Beam	19,692				
USG COR 415 Glass Roof Steel Elev.	10,001				
USG COR 509 Soil Nail Shotcrete Wal	1,337,776				
USG COR 652 Elev. 1 & 2 Cond. Shaft	19,895				
USG COR 805 Fotngs 16A As Built Dim	10,001				
USG COR 882 HSS Beam Termination	10,001				
USG COR 975 N Cncrs Invert Slab Slp	5,001				
USG Door Openings in Shear Walls	41,774				
USG Hydrant Relocation on Geary St.	22,034				
USG PCC 102 Fire Horn-Strobe	44,126				
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				
USG PCC 110 Term of Built Up Colus	79,811				
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 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 164 GL 14 Waterproofing	68,074				
USG PCC 165 Arch. Precast Support	90,705				
USG PCC 174 Fan Trench Strut Clar.	2,430				
USG PCC 186 Bollard on Ramps	28,992				
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				
USG Removal of Existing Column	4,116				
YBM COR 1000 Added Raceway Instal			10,000		

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	UMS	CTS	YBM	STS	COST REPORT NOTES
YBM COR 1004 Fire Protection Submit			5,000		
YBM COR 1062 Elevator #3 Pit Change			10,000		
YBM COR 1106 Impediment at Pnl P-88			1,897		
YBM COR 1108 Esc 3&4 Pit Change			10,001		
YBM COR 1146 Traction Power Neg.			10,001		
YBM COR 248 Transite pipe Folsom			10,000		
YBM COR 249 Utility conflicts Folso			93,425		
YBM COR 385 PG&E Damage to Work			26,285		
YBM COR 390 Chip Mezzanine Headwall			64,107		
YBM COR 485 Chip Concourse Headwall			39,436		
YBM COR 564 Concrete Encased PG&E			140,346		
YBM COR 705 Del bems & Embds/Ven sh			(17,893)		
YBM COR 711 Conduit for AC Swichgea			7,209		
YBM COR 732 Rstroom Fclty Wall Revs			10,001		
YBM COR 838 Abrasive Stair Nosing			45,234		
YBM COR 841 Design Chng Stair 1 run			7,638		
YBM COR 848 Chip Invert Headwall			10,663		
YBM COR 86 AT&T Side Sewer Conflict			156,027		
YBM COR 939 Broken Water Dept. Line			25,000		
YBM COR 949 Escalator Raceways			2,500		
YBM COR 982 Fir Alarm Submtl Rej			5,000		
YBM PCC 061 Escalator Pit Provision			46,809		
YBM PCC 131 Add Rec Room CN316			2,535		
YBM PCC 138 Add Rec Room SU310			1,535		
YBM PCC 159 PG&E Ductbank Changes			(3,560)		
YBM PCC 171 Additional PTZ CCTV			5,063		
YBM PCC 182 Primers & Vents for FDs			21,843		
YBM PCC 202 YBM Mezz Light Fixtures			88,784		
YBM PCC 208 Added Conduits Invert			15,349		
YBM PCC 209 Tract Power GRS Downsiz			(15,430)		
YBM PCC 21 Delete Instrument & Monit			(50,195)		
YBM PCC 214 FHC and AR Phones			12,288		
YBM PCC 41 Install #7 Box Clementin			(12,171)		
YBM PCC 69 SW Bulb-out at Stair#1			101,733		
YBM PCC 76 AWSS, SSFM, WM Design			245,915		

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	\$839,676,400	\$846,922,328
Substantial Completion	2/10/2018	2/10/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
YBM PCC 79 Install 12in WM to Howar			243,022		
YBM PCC 82 Delete Scope Due to Hote			(39,025)		
YBM PCC 85 Ticketing Hall Changes			57,586		
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 120 Prov Cond-Lft-net System		0			
CTS PCC 135 Esc 5/6 Addl Supp Locs		10,001			
CTS PCC 167 Drn for GlS Canopy on E		5,001			
CTS PCC 170 Add 2 Gate Vlvs Stockton		31,001			
CTS PCC 178 Add Beams and Embeds		1			
CTS PCC 179 Added Gromets		1			
CTS PCC 180 Extra WD Work for 12" L		1			
CTS PCC 204 Shrnk Ft Prnt Emer Shft		0			
CTS PCC 207 SEM Sequencing Changes		0			
CTS PCC 231Door Hardware		8,000			
CTS PCC 233 Reinf for Headhouse Inv		0			
GEN PCC 168R Swing Gates Attachment	9,000				
GEN PCC 33R End Platform Gate Revisi			57,403		
STS PCC 095 Frame/Grate Change				(50,001)	
STS PCC 114 Rev1 Stdpipe & Cond				30,001	
STS PCC 121 PG&E Pnts Streetlightig				242,370	
STS PCC 160 ATCS Change Reverse Run				400,001	
STS PCC 161 Delete Plat ESPBs				0	
STS PCC 188 ATCS Pwr Src at CTS				1	
STS PCC 206 Replace CCTV equipment				0	
STS PCC 223 4th and King Advnc Wrk				2,000	
STS PCC 224 Addn'l Water Line Work				50,000	
STS PCC 226 Axle Counter Boxes				41,602	
STS PCC 227 Paving for Temp Roadway				20,000	
STS PCC 232 r1 WL at Welsh St				25,000	
STS PCC 236 Pavement Survey				2,000	

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	\$839,676,400	\$846,922,328
Substantial Completion	2/10/2018	2/10/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
STS PCC 237 Bulbouts Harrison Bryant				1,500,000	
STS PCC 239 Excavate Duct Bank				15,000	
STS PCC 240 Conduit SFDT Reroute				4,000	
STS PCC 244 PDS Signs				(5,001)	
UMS Jet Grout at O'Farrell	35,001				
UMS Locate PG&E Conduits	20,001				
UMS MRY Duct Bank-West	54,981				
UMS PCC 118 Elevator Hoist Beams	0				
UMS PCC 122 Drain Piping Details	332,252				
UMS PCC 181 Plaza ADA Enhancements	7,500				
UMS PCC 193 Lightbox & Glazed Door	21,000				
UMS PCC 198 Ellis Deck Vertical Joi	0				
UMS PCC 212 Trouble Lights	(10,000)				
UMS PCC 215 Rmv Conduits in Casing	0				
UMS PCC 216 Waterproofing Drainage	50,000				
UMS PCC 217 POC for Drain Line	5,001				
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 230 Ellis AT&T Work	15,000				
UMS PCC 71 Rerouting of Slab Drains	(12,866)				
UMS PCC 93 Ellis Deck Seismic Joint	10,001				
UMS PCC 94 Clean out MRY Ductbank	18,060				
UMS Preload Rqmt for Concourse Level	10,001				
UMS_CTS_YBM PCC 166 Escalator Req's	0				
USG PCC 101 Elev. Machine Rooms	10,000				
USG PCC 108 Con Wok chges du to DSC	10,001				
USG PCC 109 Rein Dtls for Struc Con	10,001				
USG PCC 111 Conc Cemo & Rev Con Dtl	10,001				
USG PCC 112 Glass Walk Roof System	10,001				
USG PCC 113 Elv/Esc Pit Floor Slope	10,001				
USG PCC 116 Demo Column, Const Beam	14,644				
USG PCC 123 South Wall Ground Beams	4,001				
USG PCC 125 Foot,SOG & Str St Chang	50,001				
USG PCC 129 Escalator Work Point	75,000				

Contract Modification/Trend Log - Contract 1300 Stations

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Substantial Completion	2/10/2018	2/10/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
USG PCC 143 Wall Conn, at GL 10/B	0				
USG PCC 144 Conc. Finishing/Repairs	150,000				
USG PCC 147 Geary Streetlight	10,000				
USG PCC 154 Trench Drain at 17 Line	1,000				
USG PCC 155 16-D Footing Demolition	18,000				
USG PCC 156 CMU Footings	25,000				
USG PCC 157 Plaza Level Vent Shaft	0				
USG PCC 158 Elev. Pit CDF Backfill	1,500				
USG PCC 175 Drainage Under Slab	0				
USG PCC 185 Wall at Line 10 and Hyd	0				
USG PCC 190 Plaza Level Slab Detail	5,000				
USG PCC 191 Column 14 A Changes	2,500				
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 126R Changes to Kiosks			50,000		
YBM PCC 132 Raise Pit Floor Elev 4			60,000		
YBM PCC 140 Stair 3, Escalators 1&2			20,000		
YBM PCC 145 Stair 7/Escalators 3, 4			20,000		
YBM PCC 148 Elev.3, 4 Hoist Beam MP			40,000		
YBM PCC 152R1 Elevator 1 & 2 changes			100,000		
YBM PCC 162 Deluge Valve Door			25,000		
YBM PCC 187R Escal. 1-4 HVAC changes			20,000		
YBM PCC 210 Elev 1&2 MRL to Hydraul			(5,000)		
YBM PCC 235 Stone Art Panel			0		
YBM PCC 37 SFAC Node Sculpture			50,797		
YBM PCC 56 OCS Pole Foundations			551		
YBM PCC 59 Pavers Basis of Design			7,516		
YBM PCC 91 Concourse Beam Revision			15,000		
YBM PCC 97 Change Concourse Opening			8,020		
Approved	2,221,945	2,964,460	57,052	2,002,470	
Contract Modification					
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	

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	\$839,676,400	\$846,922,328
Substantial Completion	2/10/2018	2/10/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
CMod #025 - Various CORs			59,113		
CMod #026 YBM COR 072			84,509		
CMod #027 UMS PCC 092	0				
CMod #028 CTS PCC 017.1		97,743			
CMod #029 STS PCC 009.1				(143,668)	
CMod #033 CTS Various CORs		56,422			
CMod #034 CTS Various CORs		19,334			
CMod #035 STS PCC 077				11,147	
CMod #037 CTS Various CORs		8,886			
CMod #038 STS Various CORs				52,553	
CMod #039 UMS Various CORs	23,271				
CMod #040 YBM Analytical Soil Test			3,655		
CMod #045 STS PCC 008 Tunnel Lowering				107,285	
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 #14 YBM COR 036, 078			58,526		
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 #24 STS PCC 23				108,053	
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			

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	\$839,676,400	\$846,922,328
Substantial Completion	2/10/2018	2/10/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
CMod #41 YBM Class 2 Conta. Material			40,250		
CMod #42 UMS Adtl. Service Conduits	36,873				
CMod #43 UMS D85 Structural Pile	65,188				
CMod #44 UMS Grade 50 Steel	572,884				
CMod #46 YBM/CTS/UMS S.walk Hatches			35,489		
CMod #47 UMS Roof Deck Schedule	76,124				
CMod #48 UMS Undgrnd. Storage Tanks	97,817				
CMod #5 YBM Deletion of Comp Groutin			(1,833,869)		
CMod #51 YBM Various CORs and PCCs			24,875		
CMod #52 YBM Undgrnd. Storage Tanks			167,393		
CMod #54 UMS USG Underpinning	732,157				
CMod #55 YBM Archeological Discovery			102,734		
CMod #56 YBM Contaminated Material			106,923		
CMod #57 STS Crossover Materials				21,245	
CMod #58 STS DSC CORs				90,081	
CMod #59 CTS DSC CORs		66,592			
CMod #6 CTS Plaza Constr Supt Servi		75,000			
CMod #60 UMS USG Two Fuel Tanks	61,312				
CMod #61 YBM Various CORs			207,181		
CMod #62 UMS Wales and Waterproofing	277,714				
CMod #63 CTS DSC CORs		38,025			
CMod #64 STS DSC CORs and SFWD				52,570	
CMod #65 UMS Various CORs and PCCs	10,320				
CMod #66 STS Sewer Notching				66,949	
CMod #67 UMS Solar/Low-e Coating	23,290				
CMod #68 STS Various CORs				59,555	
Cmod #7 STS FACOs 016, 017 &COR 009				80,170	
Cmod #8 STS PCC 006 ATT MH, PB&Trench				225,208	
CMod #9 YBM COR 10,15,16,18,20,25			126,663		
Grand Total	16,871,124	10,001,700	3,058,316	8,778,355	

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

Report Period: May 2017

		April 2017			May 2017				
Group by Contract & SCC	CATEGORY ITEM	April 2017 Base	April 2017 Allocated Contingency	April 2017 Base + Allocated Contingency (YOE)	May 2017 Base	May 2017 Allocated Contingency	May 2017 Base + Allocated Contingency (YOE)	BUDGET TRANSFERS [April 2017] vs. [May 2017]	Cost Report Notes
10-50	CONSTRUCTION CONTRACT PACKAGES	1,147,177,627	34,870,876	1,182,048,503	1,147,299,716	34,748,787	1,182,048,503	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	20,870,197		20,870,197	20,870,197		20,870,197	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	846,800,239	32,876,161	879,676,400	846,922,328	32,754,072	879,676,400	0	30
1253: UMS	UNION SQUARE/MARKET STREET STATION [UMS]	296,218,925	17,811,665	314,030,590	296,252,535	17,778,055	314,030,590	0	
	UMS 1253 Form B Credit	(528,370)		(528,370)	(528,370)		(528,370)	0	
1254: CTS	CHINA TOWN STATION [CTS]	250,570,295	6,997,515	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]	158,146,052	4,942,949	163,089,001	158,146,052	4,942,949	163,089,001	0	
	YBM 1255 Form B Credit	(100,000)		(100,000)	(100,000)		(100,000)	0	
1256: STS	SURFACE TRACKWORK & SYSTEMS [STS]	141,864,966	3,124,033	144,988,999	141,991,470	2,997,529	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: May 2017

		April 2017			May 2017				
Group by Contract & SCC	CATEGORY ITEM	April 2017 Base	April 2017 Allocated Contingency	April 2017 Base + Allocated Contingency (YOE)	May 2017 Base	May 2017 Allocated Contingency	May 2017 Base + Allocated Contingency (YOE)	BUDGET TRANSFERS [April 2017] vs. [May 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	89,012,544	13,905,845	102,918,389	89,012,544	13,905,845	102,918,389	0	

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

Report Period: May 2017

		April 2017			May 2017				
Group by Contract & SCC	CATEGORY ITEM	April 2017 Base	April 2017 Allocated Contingency	April 2017 Base + Allocated Contingency (YOE)	May 2017 Base	May 2017 Allocated Contingency	May 2017 Base + Allocated Contingency (YOE)	BUDGET TRANSFERS [April 2017] vs. [May 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	1,503,250,989	66,168,608	1,569,419,597	1,503,373,078	66,046,519	1,569,419,597	0	34
90	UNALLOCATED CONTINGENCIES			8,880,405			8,880,405		35
	TOTAL PROJECT COST 10 TO 100			1,578,300,002			1,578,300,002		
	TOTAL CONTINGENCY			75,049,013			74,926,924		
	CONTINGENCY MINIMUM			60,000,000			60,000,000		
	BELOW OR ABOVE MINIMUM			15,049,013			14,926,924		

COST STATUS BY CATEGORY	SCC CODES	Supplemental 2013 Budget/Original Budget	BUDGET April 2017	BUDGET TRANSFERS	BUDGET May 2017	May 2017 CTD	Remaining Budget (Column D - Column E)	May 2017 EAC	May 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	225,224,911	60,002,968	352,276,254	834,715	36
STATIONS, STOPS, TERMINALS, INTERMODAL	SCC 020	573,099,645	587,674,969	(136,824)	587,538,145	336,694,896	250,843,249	541,765,758	32,754,072	36
SITework & SPECIAL CONDITIONS	SCC 040	235,514,097	213,900,345	136,824	214,037,169	196,432,977	17,604,192	182,940,783	1,160,000	36
SYSTEMS	SCC 050	90,774,397	95,245,311	0	95,245,311	26,590,199	68,655,111	101,800,488		36
ROW, LAND, EXISTING IMPROVEMENTS	SCC 060	37,511,799	32,246,321	0	32,246,321	30,731,521	1,514,800	32,246,321		
VEHICLES	SCC 070	26,385,653	26,385,653	0	26,385,653	2,147,782	24,237,871	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	133,628,325	63,343,757	180,109,425	16,862,657	
OTHER PROF SRVCS	SCC 080.05 - 080.08	24,416,118	24,246,033	0	24,246,033	11,555,147	12,690,886	22,887,611	1,358,422	
UNALLOC CONTINGENCY	SCC 090	3,883,480	8,880,402	0	8,880,402		8,880,402		8,880,405	
Grand Total		1,578,300,000	1,578,300,000	(0)	1,578,300,000	1,070,407,740	507,892,260	1,534,856,645	74,926,924	

SCC DESCRIPTION	May 2017 BUDGET	May 2017 CTD
010 - GUIDEWAY & TRACK ELEMENTS	285,227,879	225,224,911
020 - STATIONS, STOPS, TERMINALS, INTERMODAL	587,538,145	336,694,896
040 - SITEWORK & SPECIAL CONDITIONS	214,037,169	196,432,977
050 - SYSTEMS	95,245,311	26,590,199
060 - ROW, LAND, EXISTING IMPROVEMENTS	32,246,321	30,731,521
070 - VEHICLES (number)	26,385,653	2,147,782
080 - PROFESSIONAL SERVICES (applies to Cats. 10-50)	328,739,120	252,585,454
090 - UNALLOCATED CONTINGENCY	8,880,402	
Grand Total	1,578,300,000	1,070,407,740

SCC DESCRIPTION	May 2017 BUDGET	May 2017 CTD
010.02-Guideway: At grade semi-exclusive (allows cross-traffic)	2,860,000	382,500
010.06-Guideway: Underground cut & cover	69,816,407	62,268,677
010.07-Guideway: Underground tunnel	201,340,746	156,832,219
010.09-Track: Direct fixation	6,761,089	3,122,916
010.12-Track: Special (switches, turnouts)	4,449,637	2,618,600
020.01-At-grade station, stop, shelter, mall, terminal, platform	7,602,857	1,506,488
020.02-Aerial station, stop, shelter, mall, terminal, platform	2,997,529	0
020.03-Underground station, stop, shelter, mall, terminal, platform	555,235,922	331,302,560
020.07-Elevators, escalators	21,701,837	3,885,848
040.01-Demolition, Clearing, Earthwork	12,355,615	11,938,516
040.02-Site Utilities, Utility Relocation	60,248,372	63,721,728
040.03-Haz. mat'l, contam'd soil removal/mitigation, ground water treatments	7,452,221	4,674,185
040.04-Environmental mitigation, e.g. wetlands, historic/archeologic, parks	1,122,899	619,100
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	2,442,049
040.07-Automobile, bus, van accessways including roads, parking lots	6,579,099	3,635,664
040.08-Temporary Facilities and other indirect costs during construction	113,781,537	106,695,303
050.01-Train control and signals	28,031,423	7,301,619
050.02-Traffic signals and crossing protection	12,562,529	9,648,857
050.03-Traction power supply: substations	21,465,073	8,017,780
050.04-Traction power distribution: catenary and third rail	12,441,113	1,439,439
050.05-Communications	12,030,586	182,503
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	28,322,091
060.02-Relocation of existing households and businesses	2,180,511	2,409,430
070.01-Light Rail	26,385,653	2,147,782
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	102,918,389	67,963,650
080.04-Construction Administration & Management	94,053,693	65,664,676
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	4,383,245
080.07-Surveys, Testing, Investigation, Inspection	933,100	831,706
080.08-Start up	8,300,329	0
090.00-Unallocated Contingency	8,880,402	
Grand Total	1,578,300,000	1,070,407,740

[A] Cost Account Description	BUDGET	ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
	[B] May 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)	935,451	802,883	0	0	802,883	132,568	
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)	3,322,887	3,336,432	0	0	3,336,432	(13,545)	
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	9,376,008	319,022	191,177	9,567,185	6,022,748	
1.3.011.01.080.03 - CM:SFMTA LABOR-PROJECT MANAGEMENT	15,589,933	9,376,008	319,022	191,177	9,567,185	6,022,748	
12 - SFMTA ENGINEERING SERVICES	2,923,582	2,467,198	3,508	3,425	2,470,623	452,959	
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	2,409,550	3,508	3,425	2,412,975	387,025	
13 - SFMTA CONSTRUCTION MANAGEMENT	37,118,350	13,133,787	329,823	198,698	13,332,485	23,785,865	
1.3.013.01.080.04 - CM:SFMTA LABOR-CONSTR. MANAGEM	37,118,350	13,133,787	329,823	198,698	13,332,485	23,785,865	
16 - DEPARTMENT OF PARKING AND TRAFFIC (DPT)	3,659,313	2,011,696	37,020	18,851	2,030,547	2,029,796	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT UMS	299,600	86,773	0	757	87,531	212,069	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT CTS	274,900	80,062	5,728	1,247	81,309	193,591	

[A] Cost Account Description	BUDGET	ACTUAL COSTS					[G] VARIANCE (B - F)	COST REPORT NOTES
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1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT YBM	238,400	126,343	3,570	1,692	128,035	110,365		
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT STS	876,876	234,205	3,707	15,155	249,360	627,516		
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	235,224	24,014	0	235,224	(235,224)		
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	39,495	0	0	39,495	286,974		
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	300,000	13,026	0	0	13,026	286,974		
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	12,010,885	3,065,922	57,464	30,329	3,096,251	8,914,635		
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]	2,020,290	388,167	0	0	388,167	1,632,123	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]	538,092	570,329	27,081	9,734	580,063	(41,971)		
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [PWA335MPFUNA.CPT5441327]	5,418	5,418	0	0	5,418	0		
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	691,444	30,383	20,595	712,039	1,190,961		
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	1,355,955	73,013	5,325	1,361,280	810,501		
1.3.023.01.080.06 - ATTY:CN LEGAL-CITY ATTORNEY OF	2,171,781	1,355,955	73,013	5,325	1,361,280	810,501		
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	25,918	0	0	25,918	111,144		
1.3.026.01.080.06 - CM:CTYCO-PLANNING DEPARTMENT	137,062	25,918	0	0	25,918	111,144		
28 - PUBLIC UTILITIES COMMISSION WATER	4,242,012	3,283,415	82,092	79,696	3,363,111	878,901		

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1.3.028.02.040.02 - CM:CTYCO-PUBLIC UTIL COMM. (PUC)	0	4,745	0	0	4,745	(4,745)		
1.3.028.02.040.08 - PUC: FIELD OPERATIONS TUNNEL	398,400	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	183,656	3,890	3,525	187,180	419,174		
1.3.028.03.080.04 - PUC:CMB CONTRACT 1300/UMS INSPECTION	230,000	32,947	0	589	33,536	196,464		
1.3.028.04.040.02 - PUC:CDD CONTRACT 1300/CTS SUPPORT	271,755	175,616	1,165	7,554	183,170	88,585		
1.3.028.04.080.04 - PUC:CMB CONTRACT 1300/CTS INSPECTION	115,000	21,900	3,448	2,347	24,247	90,753		
1.3.028.05.040.02 - PUC:CDD CONTRACT 1300/YBM SUPPORT	450,282	342,903	0	0	342,903	107,379		
1.3.028.05.080.04 - PUC:CMB CONTRACT 1300/YBM INSPECTION	184,000	56,177	4,468	0	56,177	127,823		
1.3.028.06.040.02 - PUC:CMB CONTRACT 1300/SFWD AWSS MATERIAL	225,079	225,079	0	0	225,079	0		
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	438,668	55,352	43,017	481,686	38,391		
1.3.028.09.080.04 - PUC:CMB CONTRACT 1300/STS INSPECTION	207,000	188,438	13,769	22,665	211,103	(4,103)		
32 - DPW - IDC ENGINEERING (HYDRAULIC)	1,150,459	231,779	3,541	3,474	235,253	795,643		
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	27,623	1,483	373	27,996	269,942		
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	32,469	376	0	32,469	269,413		
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	57,335	1,683	3,101	60,436	119,564		
34 - DPW - IDC CONSTRUCTION (CAPITAL)	6,703,969	6,107,580	75,398	57,520	6,165,100	538,870		
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	2,114,580	75,398	57,520	2,172,100	538,869		
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	435,426	0	3,029	438,455	175,398		
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2213]	92,459	92,459	0	0	92,459	0		
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2250]	78,400	78,400	0	0	78,400	0		
1.3.039.01.080.04 -DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2257]	151,515	151,515	0	0	151,515	0		
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2313]	24,343	24,343	0	0	24,343	0		
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [CE13]	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		

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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	21,732	0	3,029	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	625,808	1,051	472	626,280	144,563		
1.3.051.01.080.03 - ODC.HWRD:ODCs - 821 HOWARD STR	696,753	599,254	1,051	472	599,726	97,027		
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	15,829	0	0	15,829	39,171		
1.3.051.06.080.04 - ODC.HWRD:W/MTA INST WTR SVC @ STS&YBM TRAILER	9,090	9,669	0	0	9,669	(579)		
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	34,451,416	919,492	(25,914)	34,425,502	15,064,585		
1.3.063.01.080.03 - CM:PM:AECOM.CS149 OM-EPC JV CS149-PM	9,507,939	5,017,804	0	0	5,017,804	4,490,135	57	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3B]	5,218,630	1,969,213	0	0	1,969,213	3,249,417		
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]	1,025,366	4,101,466	0	0	4,101,466	(3,076,099)		
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	5,648,939	680,963	(20,731)	5,628,208	(4,040,847)		
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3G][PM]	1,287,361	1,412,235	170,241	(5,183)	1,407,052	(119,691)		
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]	133,472	201,760	68,288	0	201,760	(68,288)		
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	0	0	0	0	1,060,000	58	
1.3.064.06.040.08 - CN1300 JOB READINESS PROGRAM	1,060,000	0	0	0	0	1,060,000		
67 - HILL INTERNATIONAL CONTRACT 156	11,000,000	2,663,536	159,071	84,627	2,748,163	8,251,837		
1.3.067.01.080.03 - HILL.CS156:HILL INTL. CS-156 [1336]	920,426	920,426	0	0	920,426	0		
1.3.067.01.080.03 - HILL.CS156:HILL INTL. CS-156 [1337]	533,148	533,148	0	0	533,148	0		
1.3.067.01.080.03 - HILL.CS156:HILL INTL. [1330]	127,261	127,261	0	0	127,261	0		
1.3.067.01.080.03 - HILL INTERNATIONAL CS156 AWP 2016 [68CPT5441340.CPT5441340]	9,419,165	1,082,702	159,071	84,627	1,167,329	8,251,836		
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	2,107,145	0	0	2,107,145	51,701		
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	2,194,346	0	0	2,194,346	(35,500)		
72 - STATIONS - CONTRACT # CONTRACT 155-2	9,612,416	10,219,437	782,907	576,119	10,795,556	(1,183,140)		

[A] Cost Account Description	BUDGET	ACTUAL COSTS					[G] VARIANCE (B - F)	COST REPORT NOTES
	[B] May 2017 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total			
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	10,168,086	782,907	576,119	10,744,205	(1,183,140)		
73 - SYSTEMS/INTEGRATION - CONTRACT 155-3	4,828,269	3,004,188	230,966	(153,343)	2,850,845	1,977,424		
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	2,914,397	230,966	(153,343)	2,761,054	1,977,215		
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	20,794,582	20,794,582	0	0	20,794,582	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	10,328,044	10,328,044	0	0	10,328,044	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		
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	478,788,136	8,979,702	10,354,787	489,142,923	390,533,477	66	
84 - UNION SQUARE/MARKET STREET STATION (UMS) - WORK PACKAGE 1253	294,030,590	190,514,343	2,525,310	3,969,448	194,483,791	99,546,799	20	
1.3.084.03.020.03 - UMS.1253: UNDERGROUD STATION	253,081,452	165,587,828	2,342,630	3,700,345	169,288,173	83,793,279		
1.3.084.03.020.07 - UMS.1253: ELEVATORS ESCALATOR	9,465,694	1,545,736	0	0	1,545,736	7,919,958		

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1.3.084.03.040.01 - UMS.1253: DEMOLITION CLEARING	6,071,588	5,914,089	30,000	0	5,914,089	157,499		
1.3.084.03.040.02 - UMS.1253: SITE UTILITIES UTIL	4,360,395	3,013,709	51,151	8,400	3,022,109	1,338,286		
1.3.084.03.040.03 - UMS.1253: HAZARDOUS MATERIALS	550,000	347,862	0	0	347,862	202,138		
1.3.084.03.040.04 - UMS.1253: ENVIRONMENTAL MITIGA	244,500	231,010	0	0	231,010	13,490		
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	54,201	0	0	54,201	1,104,209		
1.3.084.03.040.08 - UMS.1253: TEMPORARY FACILITIES	11,139,701	9,775,651	16,029	10,000	9,785,651	1,354,050		
1.3.084.03.050.02 - UMS.1253: TRAFFIC SIGNALS AND	4,773,076	3,920,576	75,000	100,000	4,020,576	752,500		
1.3.084.03.050.03 - UMS.1253: TRACTION POWER SUPPL	1,815,534	22,501	0	150,703	173,204	1,642,330		
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	21,501	10,500	0	21,501	1,112,813		
84 - UNION SQUARE/MARKET STREET STATION (UMS) CMODs	2,221,945	1,762,520	168,971	279,574	2,042,094	179,851		
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, ESCALATOR	90,000	90,000	0	0	90,000	0		
1.3.084.84.040.01 - CMOD:UMS.1253: DEMOLITION CLEARING	944,987	630,151	(314,836)	314,836	944,987	0		
1.3.084.84.040.02 - CMOD:UMS.1253: SITE UTILITIES UTIL	1,050,088	944,987	483,807	(35,262)	909,725	140,363		
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	17,778,055	0	0	0	0	17,778,055	67	
85 - CHINATOWN STATION (CTS) - WORK PACKAGE 1254	247,567,810	132,128,441	2,574,283	1,763,462	133,891,903	113,675,907		
1.3.085.04.010.07 - CTS.1254: GUIDEWAY: UNDERGROUND TUNNEL	76,417,579	45,436,524	2,398,490	892,073	46,328,597	30,088,982		
1.3.085.04.020.03 - CTS.1254: UNDERGROUND STATION	133,001,053	62,480,506	135,793	145,190	62,625,696	70,375,357		
1.3.085.04.020.07 - CTS.1254: ELEVATORS ESCALATOR	6,812,856	1,225,001	0	0	1,225,001	5,587,855		
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	4,838,586	0	42,500	4,881,086	1,120,632		
1.3.085.04.040.03 - CTS.1254: HAZARDOUS MATERIALS	350,000	12,500	0	0	12,500	337,500		
1.3.085.04.040.04 - CTS.1254: ENVIRONMENTAL MITIGA	325,665	206,064	0	0	206,064	119,601		
1.3.085.04.040.06 - CTS.1254: PEDESTRIAN/BIKE	15,000	0	0	0	0	15,000		
1.3.085.04.040.07 - CTS.1254: AUTOMOBILE BUS ACCE	225,677	27,500	0	0	27,500	198,177		
1.3.085.04.040.08 - CTS.1254: TEMPORARY FACILITIES	16,571,322	15,925,512	10,000	10,000	15,935,512	635,810		
1.3.085.04.050.02 - CTS.1254: TRAFFIC SIGNALS AND	1,599,593	1,178,807	10,000	10,699	1,189,506	410,087		
1.3.085.04.050.03 - CTS.1254: TRACTION POWER SUPPL	4,063,927	331,500	20,000	663,000	994,500	3,069,427		
1.3.085.04.050.04 - CTS.1254: TRACTION POWER DISTRIBUTION	124,481	59,440	0	0	59,440	65,041		
1.3.085.04.050.05 - CTS.1254: COMMUNICATIONS	1,658,938	6,500	0	0	6,500	1,652,438		
85 - CHINATOWN STATION (CTS) CMODs	2,964,460	1,591,921	0	0	1,591,921	1,372,539	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	1,048,802	0	0	1,048,802	1,225,423		
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	100,917,800	2,474,895	3,406,395	104,324,195	53,764,805		
1.3.086.05.020.03 - YBM.1255: UNDERGROUND STATION	118,405,840	75,705,650	2,264,230	2,806,495	78,512,145	39,893,695		
1.3.086.05.020.07 - YBM.1255: ELEVATORS ESCALATOR	5,333,287	1,025,111	0	0	1,025,111	4,308,176		

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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	6,214,200	0	28,900	6,243,100	920,178		
1.3.086.05.040.03 - YBM.1255: HAZARDOUS MATERIALS	2,629,439	1,887,506	72,600	0	1,887,506	741,933	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	985,551	22,300	0	985,551	557,174		
1.3.086.05.040.08 - YBM.1255: TEMPORARY FACILITIES	15,564,753	12,569,726	16,015	10,000	12,579,726	2,985,027		
1.3.086.05.050.02 - YBM.1255: TRAFFIC SIGNALS AND	1,726,492	1,568,754	24,000	24,000	1,592,754	133,738		
1.3.086.05.050.03 - YBM.1255: TRACTION POWER SUPPL	3,708,425	292,300	75,750	537,000	829,300	2,879,125		
1.3.086.05.050.05 - YBM.1255: COMMUNICATIONS	1,241,096	12,001	0	0	12,001	1,229,095		
86 - YERBA BUENA MOSCONE STATION (YBM) CMODs	57,052	(504,962)	0	70,130	(434,832)	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	69a	
1.3.086.86.040.02 - CMOD:YBM.1255: SITE UTILITIES UTIL	1,332,306	812,781	0	70,130	882,911	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	4,942,949	0	0	0	0	4,942,949	71	
87 - SURFACE TRACKWORK AND SYSTEMS -WORK PACKAGE 1256	139,989,000	50,510,826	1,104,243	865,778	51,376,604	88,612,396		
1.3.087.09.010.02 - STS.1256: GUIDEWAY: AT-GRADE SEMI-EXCLUSIVE (ALLOWS CROSS TR	2,860,000	382,500	0	0	382,500	2,477,500		
1.3.087.09.010.06 - STS.1256: GUIDEWAY: UNDERGROUND CUT & CVR	9,257,731	1,610,001	190,000	100,000	1,710,001	7,547,730		
1.3.087.09.010.07 - STS.1256: GUIDEWAY: UNDERGROUN	16,723,552	3,589,963	122,000	61,500	3,651,463	13,072,089		
1.3.087.09.010.09 - STS.1256: TRACK DIRECT FIXATION	6,761,089	2,822,916	175,000	300,000	3,122,916	3,638,174		
1.3.087.09.010.12 - STS.1256: TRACK: SPECIAL	4,449,637	2,618,600	0	0	2,618,600	1,831,037		
1.3.087.09.020.01 - STS.1256: AT-GRADE STATION	7,602,857	1,432,988	10,000	73,500	1,506,488	6,096,369		
1.3.087.09.040.02 - STS.1256: SITE UTILITIES, UTILITY RELOCA	17,464,046	12,369,652	336,378	76,800	12,446,452	5,017,594		
1.3.087.09.040.03 - STS.1256: HAZARDOUS MATERIALS	200,000	128,960	0	0	128,960	71,040	70	
1.3.087.09.040.04 - STS.1256: ENVIRONMENTAL MITIGATION	50,000	25,000	0	0	25,000	25,000	70	
1.3.087.09.040.07 - STS.1256: AUTOMOBILE BUS ACCE	2,116,925	931,800	161,250	101,250	1,033,050	1,083,875		
1.3.087.09.040.08 - STS.1256: TEMPORARY FACILITIES	13,896,832	11,371,953	5,972	0	11,371,953	2,524,878		
1.3.087.09.050.01 - STS.1256: TRAIN CONTROL AND SIGNALS	27,543,451	7,234,419	3,000	17,200	7,251,619	20,291,832		
1.3.087.09.050.02 - STS.1256: TRAFFIC SIGNALS AND	4,463,368	2,726,743	67,628	119,278	2,846,021	1,617,347		
1.3.087.09.050.03 - STS.1256: TRACTION POWER SUPPL	9,889,014	2,063,793	1,845	0	2,063,793	7,825,221		
1.3.087.09.050.04 - STS.1256: TRACTION POWER DISTRIBUTION	6,099,675	1,059,037	30,170	16,250	1,075,287	5,024,388		
1.3.087.09.050.05 - STS.1256: COMMUNICATIONS	7,996,237	142,500	1,000	0	142,500	7,853,737		
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	2,002,470	1,867,247	132,000	0	1,867,247	135,223		
1.3.087.89.040.02 - CMOD:STS.1256: SITE UTILITIES, UTILITY RELOCA	930,702	829,434	0	0	829,434	101,268		
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	1,019,594	132,000	0	1,019,594	33,953		
1.3.087.99.020.01 - STS.1256: AC: ALLOC CONTING	2,997,529	0	0	0	0	2,997,529	72	
141 - CONSTRUCTION ADMINISTRATION	2,956,812	0	0	0	0	2,956,812		

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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.PRMSTSF: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	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 - JOC292-029: RELOCATE VAULTS-S	53,317	0	0	0	0	53,317		
302 - PG&E	1,988,173	3,956,983	1,272,071	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	1,272,071	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		
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		

[A] Cost Account Description	BUDGET	ACTUAL COSTS					[G] VARIANCE (B - F)	COST REPORT NOTES
	[B] May 2017 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total			
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	1,349,275,482	865,713,058	13,326,142	11,428,271	877,141,329	472,342,088		
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	0	0	0	0	11,131,868		
1.4.091.97.070.01 - LRVA:AC: VEHICLES ALLOC CONTI	13,076,653					13,076,653	23	
TOTAL VEHICLES	26,385,654	2,147,782	0	0	2,147,782	24,237,871		
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	2,764,373	0	0	2,764,373	0		
1.5.101.01.060.02 - RES.RELO: RELOCATION COST	1,275,200	1,289,701	0	0	1,289,701	(14,501)		
1.5.102.01.060.02 - COMM.RELO-RELOC COMMERCIAL	905,311	1,119,729	0	0	1,119,729	(214,418)		
TOTAL ROW, LAND, EXISTING IMPROVEMENTS	32,140,418	30,625,617	0	0	30,625,617	1,514,801		
90 - CONTINGENCY	75,865,430	0	0	0	0	75,865,430		
1.7.500.91.090.00 - UNALLOCATED CONTINGENCY	8,880,402					8,880,402	81	
TOTAL ALLOCATED CONTINGENCY	66,985,028					66,985,028		
TOTAL PROJECT COST	1,578,300,003	1,058,979,469	13,326,142	11,428,271	1,070,407,740	508,100,198		

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.

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.
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.

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 Cogeneity. "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.

34	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.
35	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.

7.7 Budget Expenditures by SCC Codes

36	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 used assigned contingency to process contract modifications.
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7.9 Detail Monthly Expenditure Report

Phase 1 Preliminary Engineering

37	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.
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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]

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.
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 31. Also, released \$5,265,478 assigned real estate contingency to program unallocated contingency, refer to Note 33.

Appendix B

DETAIL SCHEDULE REPORTS

SCHEDULE HIGHLIGHTS

The Master Project Schedule (MPS) below includes progress through May 2017. The May 2017 Schedule Update submittal from Contract 1300 Contractor was not submitted due previous update corrections that needed to be completed before TPC provide the May update. The Contract 1300 schedule represented in this report is based on the SFMTA May 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 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 Right and Left Step 3 Invert of the South Platform Cavern was completed and contractor is now working at the Top Center Drift, Center Bench and Invert Steps of the South Platform Cavern. 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 complete the South Platform Cavern excavation. This changes allowed Contract 1300 Schedule to shows no new delays during May with a forecasted Revenue Service Date of 10 December 2019

Contract 1300 Contractor submitted twenty-nine (29) Schedule Updates from December 2014 to April 2017. SFMTA rejected sixteen (16) Schedule Updates from December 2015 to April 2016 and June 2016 to April 2017. SFMTA approved as noted the September 2015, October 2015, November 2015, and May 2016 Schedule Updates. Contractor has been directed to develop a Recovery Schedule as required by Contract and correct out-of-sequence and Retained Logic driving many of the forecast dates. Review of schedule updates as well as identifying recovery options is ongoing.

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

- Head house- excavated to 16' below Temp Level 5.0 walers and struts
- Completed 100% of the excavation of the Platform Caverns (North and South) of Right and Left Side Drifts Top Headings and Inverts.
- Platform Cavern South Center Drift (Top Heading, Bench, Invert) is 10% complete
- Incidental street work (minor), ongoing monitoring and surveying
- Mockup for Final Waterproofing and Lining underway for the North Emergency Egress (NEE) Shaft and Tunnel – ongoing testing and inspection
- Begin Sewer Replacement Work in Washington Street between Stockton and Spofford

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

- Platform Cavern South – continue/complete with Center Drift Top Heading, Bench and Invert
- Continue with Sewer Replacement Work in Washington Street between Stockton and Spofford

Activity ID	Activity Name	2017						
		May	Jun	Jul	Aug	Sep	Oct	Nov
CENTRAL SUBWAY PROJECT								
Construction Phase								
Construction CN-1300								
Construction CTS Station P-1254R								
CTS.31.43.140	CTS_ Compensation Grouting - As Required							
C.3.880	South Emergency Egress Tunnel M.E.P							
CTS.31.71.580	Excavate & Support Top Left Step 3 Invert South Platform Cavern 176Lf							
CTS.31.71.445	Install Temporary Bracing Sidewalls for North Platform Cavern Excavation							
CTS.31.71.600	Excavate & Support Top Center Drift Step 4 South Platform Cavern 176Lf							
CTS.33.51.110	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.31.71.640	Stage Equipment & Construct Ramp For Crossover Breakin							
CTS.31.71.610	Excavate & Support Center Bench Step 5 South Platform Cavern 176Lf							
CTS.31.71.650	Break-in Crossover Cavern							
CTS.31.71.620	Excavate & Construct Invert Step 6 South Platform Cavern 176Lf							
CTS.31.71.660	Excavate & Construct Left Sidewall & Headwall 268 Lf							
CTS.31.71.530	Complete Excavation & Support - South Emergency Egress Tunnel							
CTS.31.71.670	Excavate & Construct Right Sidewall & Headwall 268 Lf							
CTS.31.74.870	Final Lining South Emergency Egress Tunnel							
CTS.31.71.455	Excavation / Support Top Center Drift & Construct Headwall for North Platform Ca							
CTS.31.71.475	Excavation / Support Center Bench Invert & Construct Headwall for North Platform							
CTS.31.74.550	Final Lining North Emergency Egress Tunnel							
CTS.03.30.850	Concrete Stairs North Emergency Egress Tunnel							
CTS.31.71.485	Demo Sidewall, Repair Headwall for North Platform Cavern Excavation							
CTS.31.71.690	Install Ramp For Center Drift							
CTS.31.71.630	Demo Sidewalls & Repair Headwall South Platform Cavern 176Lf							
CTS.31.71.700	Excavate & Support Center Drift							
CTS.31.71.720	Excavate & Support Center Bench - Crossover							
CTS.31.71.495	Repair Invert Joint North Platform Cavern 110Lf							
C.3.860	North Emergency Egress Tunnel M.E.P							
CTS.31.71.730	Excavate & Construct Invert - Crossover							
CTS.33.31.300	CTS_Backfill & Complete Permanent Sewer Work In Washington St.							
CTS.33.11.220	CTS_Complete Water Distribution - Washington St							
CTS.31.71.800	TB-4 SEM Additional Flashcrete							

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

- North Concourse: Worked on PG&E #7 box installation on Geary in front of the Union Square Garage. Installed and backfilled PG&E conduits south side of Geary
- South Concourse: Chipped and cleaned piles for construction of Escalator Ramp
- Platform Station: Continued Platform Strut Level and Temp Level 3 excavation and wale and strut installation. Also continued removal of tunnel segments, chipped piles, installed mesh and drain pipe and continued placement of shotcrete.
- Ellis Annex: Prepared for pour in the east Ellis invert. Worked on roadway utilities including PG&E electrical duct bank, water line installations, and AT&T
- UMS North Entrance: Poured cast-in-place planters and placed cellular concrete fill around planters at street level. Continued mechanical and electrical at Concourse Level.

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

- Nighttime lane closures expected to continue for utility work. Ellis Street expected to have nighttime intermittent closures
- North Concourse: Surface and pavement restoration for PG&E conduit installation at Geary St.
- South Concourse: Construction of Escalator Ramp
- Platform Station: Continue to excavate to invert and install ground support. Complete Temp Level 3 temporary steel. Repair piles and continue construction of Emergency Egress Stairs 3 and 4 on O'Farrell.
- Ellis Annex: Pour east Ellis invert. Complete utility installations, backfill and restoration of Ellis Street
- UMS North Entrance – Complete construction of planters at street level. Complete HVAC duct chase at Fan Level. Build CMU walls for elevator shafts at Concourse level

Activity ID	Activity Name	2017						
		May	Jun	Jul	Aug	Sep	Oct	Nov
CENTRAL SUBWAY PROJECT								
Construction Phase								
Construction CN-1300								
Construction UMS Station P-1253								
Administrative / Milestones								
Engineering & Procurement								
Drilled Shafts								
Compensation Grouting								
Roof Deck Excavation, Construction, Restoration								
Excavation & Support								
UMS.31.50.0250	UMS_Excavate. Lag & Support @ Access Shaft #2 (O'Farrell)							
UMS.31.23.730	UMS_Dewatering Maintenance							
UMS.03.37.0700	UMS_Install Drain Pipe & Grout Fill Void Between Piles - Roof To Concourse Lev							
UMS.31.20.1120	UMS_Excavate to Bottom of North Concourse Slab (Intermediate Strut Level)							
UMS.03.30.1525	UMS_Form/Rebar/Pour Invert Slab For South Concourse Escalator Upper Landin							
UMS.31.20.1365	UMS_Shore Tunnel and ready for break in- Sta 132+50 To North Headwall							
UMS.05.12.0895	UMS_Install & Pre-Load Permanent Struts - Mezzanine Level Sta 132+50 To Sou							
UMS.31.20.0985	UMS_Excavate Bench to Platform Strut Level & Expose Wide Flange Sta 132+50							
UMS.31.43.150	UMS_Compensation Grouting - As Required							
UMS.05.12.1200	UMS_Install Permanent Wales Platform Strut Level Sta 132+50 To North Headwal							
UMS.31.20.1345	UMS_Remove Temporary Struts & Wales For South Concourse Escalator							
UMS.03.30.1535	UMS_Form/Rebar/Pour Walls For South Concourse Escalator Upper Landing							
UMS.05.12.1220	UMS_Install & Preload Permanent Struts Platform Strut Level Sta 132+50 To Nortl							
UMS.05.12.1210	UMS_Install Permanent Wales Platform Strut Level Sta 132+50 To South Headwa							
UMS.03.37.0995	UMS_Install Studs, Mesh Drain Pipe & Shotcrete Pile Walls Temp Strut Level 2 To							
UMS.05.12.1230	UMS_Install & Preload Permanent Struts Platform Strut Level Sta 132+50 To Souf							
UMS.03.37.0990	UMS_Install Studs, Mesh Drain Pipe & Shotcrete Pile Walls Temp Strut Level 2 Tc							
UMS.31.20.1030	UMS_Excavate/Demo Liner to Temporary Strut Level 3 & Expose Wide Flange Str							
UMS.31.50.1050	UMS_Install Temporary Struts - Level 3 Sta 132+50 To North Headwall							
UMS.31.20.1040	UMS_Excavate/Demo Liner to Temporary Strut Level 3 & Expose Wide Flange Str							
UMS.03.37.1020	UMS_Install Studs, Mesh Drain Pipe & Shotcrete Pile Walls Platfm Strut Level To 1							
UMS.31.20.1060	UMS_Excavate to Bottom of Invert Slab & Expose Wide Flange Sta 132+50 To No							
UMS.31.50.1220	UMS_Install Temporary Struts - Level 3 Sta 132+50 To South Headwall							
UMS.03.37.1030	UMS_Install Studs, Mesh Drain Pipe & Shotcrete Pile Walls Platfm Strut Level To 1							
UMS.05.12.2130	UMS_Attach 60 ea Platform Level Slab Stub Beam Assemblies To West Side Piles							

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

- Sidewalk restoration complete on west side of 4th Street south of Howard Street intersection to just north of Stair #1 and TODCO driveway.
- Placement of concrete in Invert Level all sections complete for the Station Box and Headhouse.
- Concrete placement for Elevator #3 pit is complete
- Installation of metal stairs at Stair 1 and Stair 4 is in progress
- Application of pyrok plaster in progress on Mezzanine and Level – Station Box
- Installation of electrical rough-in in progress on Mezzanine Level – Station Box
- Installation of fire sprinkler piping rough-in in progress on Concourse Level – Station Box
- Remove struts and walers at Invert Level – Station Box and Headhouse
- Unknown underground storage tanks removed adjacent to Folsom Street sidewalk in the area of Stair #4

- Completed pothole of 36" sewer force main within the intersection of 4th & Howard

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

- Continue pyrok plaster on Mezzanine and start on Concourse Level – Station Box
- Continue electrical rough-in on Mezzanine – Station Box
- Continue fire sprinkler piping rough-in on Concourse Level – Station Box
- Continue removal of struts and walers at Invert Level – Station Box and Headhouse
- Start sidewalk and pavement replacement work on Clementina
- Start utility work at intersection of 4th & Folsom
- Start installation of Station Box Platform walls
- Pour Stair #1 and #4 pans with nosings
- Start drill and epoxy dowels for shotcrete walls in Invert – Station Box and Headhouse
- Start column construction in Invert Level Headhouse
- Pour topping slab – Mezzanine Level Station Box
- Continue shoring for installation of Stair 4 hatchway adjacent to Folsom Street at south end of Headhouse
- Remove differing site conditions encountered within the intersection of 4th & Howard and begin 36" sewer force main installation

Activity ID	Activity Name	2017						
		May	Jun	Jul	Aug	Sep	Oct	Nov
CENTRAL SUBWAY PROJECT								
Construction Phase								
Construction CN-1300								
Construction YBM Station P-1255								
Administrative / Milestones								
Excavation & Support								
Concrete/Shotcrete								
YBM.04.22.1260	CMU Walls Station- Concourse Level Sector #1 Stairwell							
YBM.04.22.1410	CMU Walls Station- Concourse Level Sector #2 Stairwell							
YBM.07.14.475	Waterproofing along Slurry Walls- Stations Invert Slab (Side Only)							
YBM.03.30.912	Form/ Rebar - Station Invert Slab Col 02-04							
YBM.22.14.110	YBM_IV Install Trench Drains & CB's- Station Invert Slab							
YBM.03.30.913	Form/ Rebar - Station Invert Slab Col 04-06							
YBM.03.30.911	Form/ Rebar - Station Invert Slab Col 06-08							
YBM.03.30.915	Form/ Rebar - Station Invert Slab Col 10-11							
YBM.03.30.919	Place Concrete- Station Invert Slab Col 08-10							
YBM.03.30.970	Form/ Rebar/ - Headhouse Invert Slab Col 05-07							
YBM.22.14.120	YBM_IV Install Drains- Headhouse Invert Slab - Col 05-07							
YBM.03.30.985	Form/ Rebar/ - Headhouse Invert Slab Col 07-09							
YBM.03.30.975	Place Concrete - Headhouse Invert Slab Col 05-07							
YBM.22.14.270	YBM_IV Install Drains- Headhouse Invert Slab - Col 07-09							
YBM.03.30.1005	Form/ Rebar/ - Headhouse Invert Slab Col 09-11							
YBM.03.30.995	Place Concrete - Headhouse Invert Slab Col 07-09							
YBM.22.14.280	YBM_IV Install Drains- Headhouse Invert Slab - Col 09-11							
YBM.03.30.1015	Place Concrete - Headhouse Invert Slab Col 09-11							
YBM.03.37.105	Shotcrete/ Rebar- Platform Level Exterior Walls							
YBM.03.30.1020	F/R/P Platform Level Columns (C1 - C12)							
YBM.07.13.149	Waterproofing/ Drains- Platform Level along slurry walls							
YBM.03.30.1030	F/R/P Perimeter Walls Platform Level- Headhouse along Slurry walls							
YBM.03.30.510	Shore & Form Deck Headhouse Concourse Level Slab							
YBM.03.30.1040	F/R/P Perimeter Walls Platform Level- Station along Slurry walls							
YBM.03.30.1060	Rebar/ Pour Headhouse Concourse Level Slab							
YBM.05.52.600	Install SS embedded Sleeves for Removable Guardrail, Headhouse Concourse level							
YBM.03.30.560	F/R/P Station Concrete walls below Platform, GL 00-04							
YBM.03.30.1490	Seismic Joints- Platform Level, Station (North and south wall at Tunnel)							

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

- Started 36” sewer installation at 4th/Bryant intersection
- Completed MRY ductbank at 4th/Townsend intersection
- Continued pavement renovation on 4th Street between King and Welsh
- Started AWSS lateral installation on 4th/Brannan intersection
- Continued water line installation at 4th/Welsh intersection
- Completed water line installation at 4th/Townsend
- Completed invert slab construction at tunnel portal
- Completed track installation at tunnel portal
- Continued track plinth construction and track installation inside tunnels

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

- Continued 48” sewer installation
- Continued 36” sewer installation
- Continued MRY ductbank installation
- Continued AWSS installation
- Continued water line installation
- Continued pavement renovation
- Continued plinth construction and track installation inside tunnels

Activity ID	Activity Name	2017						
		May	Jun	Jul	Aug	Sep	Oct	Nov
CENTRAL SUBWAY PROJECT								
Construction Phase								
Construction CN-1300								
Construction STS P-1256								
STS.34.41.2080	STS_Install: Traffic Signal Conduit & Boxes 4th St/Townsend							
STS.03.30.130N	STS_F/R/P NB Tunnel Invert & Catch Basins Union Square to China Town 2,422							
STS.03.30.135S	STS_F/R/P SB Tunnel Invert & Catch Basins Union Square to China Town 2,422							
STS.34.42.2320	STS_Install: Train Control - Train Control Conduit - & JB's SB Union Square to C							
STS.33.31.420	STS_Install New CB's Manhole, 10" & 15" Sewer Piping @ 4th St/Townsend - We							
STS.34.42.1080	STS_Install: Security - SB Portal Intrusion Devices							
STS.26.05.0290	STS_Install: Tunnel Electrical - Unistrut For Conduit & Signal Supports - NB Porta							
STS.26.05.0530	STS_Install: Tunnel Electrical - Unistrut For Conduit & Signal Supports - SB Porta							
STS.26.05.120	STS_Install: Utilities: 230Kv Electrical Transmission Casing - Assist PG&E - 4th							
STS.26.05.2720	STS_Install: OCS System - Install OCS Poles In Portal							
STS.33.11.170	STS_Install: Utilities: Auxiliary Water Supply 12" Main 4th St (Through Brannan St							
STS.33.51.150	STS_Pothole: Utilities: Pothole for Gas Distribution							
STS.33.31.630	Sewer Manhole relocation at King St/ 4th Street							
STS.28.20.1790	STS_Install: Tunnel Electrical - CCTV Cameras - SB Portal To Moscone							
STS.34.42.0600	STS_Install: Train Control - Train Control Signals - SB Portal to Moscone							
STS.34.42.2310	STS_Install: Train Control - Train Control Conduit - & JB's SB Portal To Moscone							
STS.26.05.0560	STS_Install: Tunnel Electrical - Telephone Conduit - & JB's SB Portal To Moscon							
STS.27.32.0610	STS_Install: Tunnel Electrical - Radiax Conduit - & JB's SB Portal To Moscone							
STS.26.05.0540	STS_Install: Tunnel Electrical - Electrical Lighting Conduit & JB's - SB Portal To M							
STS.26.05.0550	STS_Install: Tunnel Electrical - Electrical Power Conduit & JB's - SB Portal To Mo							
STS.26.05.0360	STS_Install: Tunnel Electrical - Electrical Power Conduit & JB's - NB Portal To Mc							
STS.26.05.4020	STS_Install: Tunnel Electrical - Electrical Lighting Conduit & JB's - NB Portal To M							
STS.26.05.4030	STS_Install: Tunnel Electrical - Lighting Fixtures - NB Portal To Moscone							
STS.28.20.0570	STS_Install: Tunnel Electrical - CCTV Conduit - & JB's SB Portal To Moscone							
STS.26.05.0405	STS_Install: Tunnel Electrical - Traction Power Conduit - NB Portal to Moscone							
STS.26.05.0640	STS_Install: Tunnel Electrical - Traction Power Conduit - SB Portal to Moscone							
STS.26.05.0630	STS_Install: Tunnel Electrical - Emerg Tel/SFFD Tel/Blue Lights - SB Portal To M							
STS.33.11.230	STS_Install: Utilities: Water Distribution 12" Main/Casing - 4th St @ Bryant Inters							
STS.33.51.115	STS_PG&E Design Detail Period: Utilities: Gas Distribution 6" Main/Casing - 4th							
STS.26.05.2010	STS_Install: Tunnel Electrical - Mini-Power Centers EP2-EP10 - SB Portal To Mos							
STS.33.11.270	STS_Install: Utilities: Sewer: Casing for 10" Force Main - 4th St Sta @ Brannan S							

SCHEDULE REVISIONS

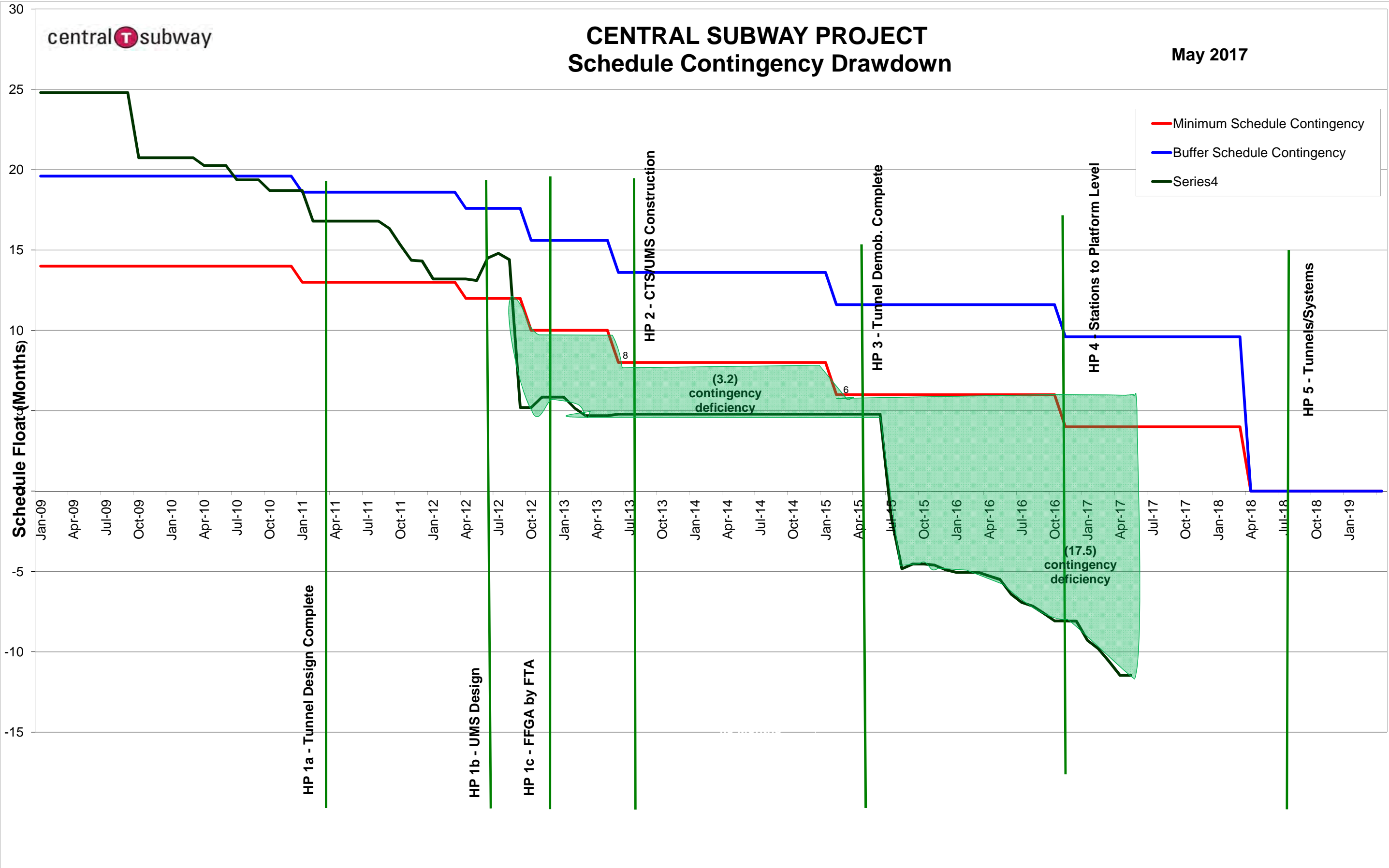
The SFMTA Contract 1300 May 2017 schedule update was added this period to the Central Subway Project Master Schedule.

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

May 2017



Activity ID	Activity Name	Original Duration	Start	Finish	2017			2018				2019				2020			
					Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
CENTRAL SUBWAY PROJECT		4323	03-Jun-03 A	11-Dec-19	CENTRAL SUBWAY PROJECT														
Program Level Milestones		4361	03-Jun-03 A	10-Dec-19	Program Level Milestones														
PJD1000	Central Subway Project Start	0	03-Jun-03 A																
MS0004A	Tunnel Excavation Complete - Project Milestone #4A	0		05-Sep-14 A															
MS0019	Baseline Finish Date: 12-26-2018	0		10-Dec-19*	◆ Baseline Finish Date: 12-26-2018														
MS0009	CSP Revenue Service Date	0		10-Dec-19*	◆ CSP Revenue Service Date														
Preliminary Engineering Phase		2661	03-Jun-03 A	07-Jan-10 A															
Final Design		1811	08-Jan-10 A	17-Jun-13 A															
Light Rail Vehicles		2259	15-Apr-13 A	21-Jun-19	Light Rail Vehicles														
Real Estate		3130	01-Aug-08 A	26-May-17	Real Estate														
Construction Phase		2604	04-Jan-10 A	11-Dec-19	Construction Phase														
Construction Support and Costs		2894	04-Jan-10 A	11-Dec-19	Construction Support and Costs														
Construction Utility Contract #1- MOS & Portal CN-1250		505	04-Jan-10 A	23-May-11 A															
Construction Utility Contract #2 - UMS CN-1251		643	12-Jan-11 A	15-Oct-12 A															
Construction Tunnels CN-1252		1518	08-Jun-11 A	27-May-17	Construction Tunnels CN-1252														
Construction CN-1300		1704	03-Jun-13 A	24-Sep-19	Construction CN-1300														
CN- 1300 Milestone		1635	17-Jun-13 A	24-Sep-19	CN- 1300 Milestone														
Construction UMS Station P-1253		1704	17-Jun-13 A	27-Jun-19	Construction UMS Station P-1253														
Construction CTS Station P-1254R		1572	17-Jun-13 A	27-Jun-19	Construction CTS Station P-1254R														
Construction YBM Station P-1255		1651	10-Jun-13 A	27-Jun-19	Construction YBM Station P-1255														
Construction STS P-1256		1624	03-Jun-13 A	09-Sep-19	Construction STS P-1256														
Project Start Up		167	26-Jun-19	10-Dec-19	Project Start Up														
Unallocated Contingency		115	26-Jun-19	10-Dec-19	Unallocated Contingency														
CO1.700	Cost Activity Unallocated Contingency (LOE) - 1.7.500.99.090.00 - Contingency	115	26-Jun-19	10-Dec-19	Cost Activity Unallocated Contingency														

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2017		2018				2019				2020				2021		
						Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
CENTRAL SUBWAY PROJECT						693	12-Apr-17 A	10-Dec-19	-249													
Program Level Milestones						0	10-Dec-19	10-Dec-19	-241													
MS0019	Baseline Finish Date: 12-26-2018	0		10-Dec-19*	-241																◆ Baseline Finish Date: 12-26-2018	
MS0009	CSP Revenue Service Date	0		10-Dec-19*	-241																◆ CSP Revenue Service Date	
Construction Phase						693	12-Apr-17 A	10-Dec-19	-249													
Construction CN-1300						574	12-Apr-17 A	26-Jun-19	-250													
CN- 1300 Milestone						0	26-Jun-19	26-Jun-19	-250													
MS-10	Substantial Completion - 1,700 Calendar Days (SP-4.B) { 10-Feb-18 }	0		26-Jun-19*	-502																◆ Substantial Completion - 1,700 Calendar Days (SP-4.B)	
BUF1017	STS Buffer Float- (0)	0	26-Jun-19	26-Jun-19	-241																STS Buffer Float- (0)	
STS1500	CN 1300 Substantial Completion	0		26-Jun-19	-350																◆ CN 1300 Substantial Completion	
Construction CTS Station P-1254R						576	12-Apr-17 A	26-Jun-19	-358													
CTS.31.71.580	Excavate & Support Top Left Step 3 Invert South Platform Cavern 176Lf	14	12-Apr-17 A	30-May-17	-351																■ Excavate & Support Top Left Step 3 Invert South Platform Cavern 176Lf	
CTS.31.71.600	Excavate & Support Top Center Drift Step 4 South Platform Cavern 176Lf	71	02-May-17 A	07-Aug-17	-351																■ Excavate & Support Top Center Drift Step 4 South Platform Cavern 176Lf	
CTS.31.71.610	Excavate & Support Center Bench Step 5 South Platform Cavern 176Lf	71	31-May-17	08-Sep-17	-351																■ Excavate & Support Center Bench Step 5 South Platform Cavern 176Lf	
CTS.31.71.620	Excavate & Construct Invert Step 6 South Platform Cavern 176Lf	71	07-Jun-17	15-Sep-17	-351																■ Excavate & Construct Invert Step 6 South Platform Cavern 176Lf	
CTS.31.71.690	Install Ramp For Center Drift	2	18-Sep-17	19-Sep-17	-351																Install Ramp For Center Drift	
CTS.31.71.630	Demo Sidewalls & Repair Headwall South Platform Cavern 176Lf	10	18-Sep-17	29-Sep-17	-351																■ Demo Sidewalls & Repair Headwall South Platform Cavern 176Lf	
CTS.31.71.700	Excavate & Support Center Drift	90	20-Sep-17	30-Jan-18	-351																■ Excavate & Support Center Drift	
CTS.31.71.720	Excavate & Support Center Bench - Crossover	90	27-Sep-17	06-Feb-18	-351																■ Excavate & Support Center Bench - Crossover	
CTS.31.71.730	Excavate & Construct Invert - Crossover	90	04-Oct-17	13-Feb-18	-351																■ Excavate & Construct Invert - Crossover	
CTS.31.71.740	Demo Sidewalls, Repair Headwall & Top Joint - Crossover	10	14-Feb-18	27-Feb-18	-351																■ Demo Sidewalls, Repair Headwall & Top Joint - Crossover	
CTS.31.74.700	Place Smoothing Concrete - Final Lining invert - Crossover Cavern	15	14-Mar-18	30-Mar-18	-424																■ Place Smoothing Concrete - Final Lining invert - Crossover Cavern	
CTS.31.74.705	Install Waterproofing - Final Lining invert - Crossover Cavern	15	31-Mar-18	17-Apr-18	-424																■ Install Waterproofing - Final Lining invert - Crossover Cavern	
CTS.31.74.715	Install Rebar & Grout Piping - Final Lining invert - Crossover Cavern	20	18-Apr-18	10-May-18	-424																■ Install Rebar & Grout Piping - Final Lining invert - Crossover Cavern	
CTS.31.74.710	Place Smoothing Concrete - Final Lining Invert -Cross Cut Cavern	6	11-May-18	17-May-18	-424																■ Place Smoothing Concrete - Final Lining Invert -Cross Cut Cavern	
CTS.31.74.725	Place Concrete - Final Lining invert - Crossover Cavern	20	11-May-18	02-Jun-18	-424																■ Place Concrete - Final Lining invert - Crossover Cavern	
CTS.31.74.960	Install Waterproofing & Grout Pipes - Final Lining Invert -Cross Cut Cavern	5	18-May-18	23-May-18	-424																■ Install Waterproofing & Grout Pipes - Final Lining Invert -Cross Cut Cavern	
CTS.31.74.970	Install Rebar - Final Lining Invert -Cross Cut Cavern	10	24-May-18	04-Jun-18	-424																■ Install Rebar - Final Lining Invert -Cross Cut Cavern	
CTS.31.74.980	Place Concrete - Final Lining Invert -Cross Cut Cavern	10	05-Jun-18	15-Jun-18	-424																■ Place Concrete - Final Lining Invert -Cross Cut Cavern	
CTS.31.74.990	Install Waterproofing - Final Lining Arches - Crosscut Cavern	15	16-Jun-18	03-Jul-18	-424																■ Install Waterproofing - Final Lining Arches - Crosscut Cavern	
CTS.31.74.10	Install Rebar & Grout Piping - Final Lining Arches - Crosscut Cavern	15	22-Jun-18	09-Jul-18	-424																■ Install Rebar & Grout Piping - Final Lining Arches - Crosscut Cavern	
CTS.31.74.350	Shotcrete Final Lining Arches - Crosscut Cavern	20	03-Jul-18	25-Jul-18	-424																■ Shotcrete Final Lining Arches - Crosscut Cavern	
CTS.03.30.760	Shore/Rebar/Form Pour Track Slab - Crosscut Cavern	15	26-Jul-18	15-Aug-18	-350																■ Shore/Rebar/Form Pour Track Slab - Crosscut Cavern	
CTS.03.30.780	Rebar/Form/ Pour Platforms - Crosscut Cavern	20	09-Aug-18	06-Sep-18	-350																■ Rebar/Form/ Pour Platforms - Crosscut Cavern	
CTS.03.30.770	Shore/Rebar/Form Pour Concourse Level Slab - Crosscut Cavern	15	23-Aug-18	13-Sep-18	-350																■ Shore/Rebar/Form Pour Concourse Level Slab - Crosscut Cavern	
CTS.09.83.664	CTS_PL 05 Spray - Set Up Scaffold- Platform Level	5	14-Sep-18	20-Sep-18	-350																■ CTS_PL 05 Spray - Set Up Scaffold- Platform Level	
CTS.09.83.544	CTS_PL 05 Spray - Acoustical Vermiculite Wall Plaster NB - Sector 2	5	21-Sep-18	27-Sep-18	-350																■ CTS_PL 05 Spray - Acoustical Vermiculite Wall Plaster NB - Sector 2	
CTS.09.83.554	CTS_PL 05 Spray - Acoustical Vermiculite Wall Plaster SB - Sector 2	6	28-Sep-18	05-Oct-18	-350																■ CTS_PL 05 Spray - Acoustical Vermiculite Wall Plaster SB - Sector 2	
CTS.34.21.122	CTS_PL Station Platform: Install - Traction Power Box PS01 @ SB Track - Ser	3	08-Oct-18	10-Oct-18	-350																CTS_PL Station Platform: Install - Traction Power Box PS01 @ SB Track	
CTS.34.05.160	CTS_PL_Install Conduit SB Positive Feeder Box PS01 to PS05 (Traction Power)	5	11-Oct-18	17-Oct-18	-350																■ CTS_PL_Install Conduit SB Positive Feeder Box PS01 to PS05 (Traction Power)	
CTS.34.05.170	CTS_PL_Install Conduit SB Positive Feeder Box PS01 to PS07 (Traction Power)	5	18-Oct-18	24-Oct-18	-350																■ CTS_PL_Install Conduit SB Positive Feeder Box PS01 to PS07 (Traction Power)	
CTS.34.05.180	CTS_PL_Install:Conduit SB Positive Feeder Box PS02 to PS08 (Traction Power)	4	25-Oct-18	30-Oct-18	-350																■ CTS_PL_Install:Conduit SB Positive Feeder Box PS02 to PS08 (Traction Power)	
CTS.03.46.980	CTS_PL Station Platform: Install - GFRC Perforated Wall Panel System SB - S	15	31-Oct-18	20-Nov-18	-350																■ CTS_PL Station Platform: Install - GFRC Perforated Wall Panel System	
CTS.03.46.164	CTS_PL Station Platform: Install - GFRC Perforated Ceiling Panels - Sector 2	15	21-Nov-18	13-Dec-18	-350																■ CTS_PL Station Platform: Install - GFRC Perforated Ceiling Panels	
CTS.14.31.265	Set Escalator Trusses 1 & 2 (Concourse to Platform) - Crosscut	2	14-Dec-18	17-Dec-18	-350																Set Escalator Trusses 1 & 2 (Concourse to Platform) - Crosscut	
CTS.14.31.275	CTS_PL_Assemble Components Escalator #1	14	18-Dec-18	08-Jan-19	-350																■ CTS_PL_Assemble Components Escalator #1	
CTS.14.31.415	CTS_PL_Assemble Components Escalator #2	15	09-Jan-19	29-Jan-19	-350																■ CTS_PL_Assemble Components Escalator #2	
CTS.09.66.616	CTS_PL Station Platform Cross-Cut Cavern: Install - Terrazzo Flooring Sector 2	5	30-Jan-19	05-Feb-19	-350																CTS_PL Station Platform Cross-Cut Cavern: Install - Terrazzo F	

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2017			2018				2019				2020				2021	
						Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
CTS.09.66.618	CTS_PL Station Platform Cross-Cut Cavern: Install - Terrazzo Cove Base Sect	5	06-Feb-19	12-Feb-19	-350								■	■	■	■						
CTS.09.66.620	CTS_PL Station Platform Cross-Cut Cavern: Grind & Polish - Terrazzo Floorin	10	13-Feb-19	26-Feb-19	-350								■	■	■	■						
CTS.14.24.255	CTS-PL 05: Assemble Elevator #1	15	27-Feb-19	19-Mar-19	-350								■	■	■	■						
CTS.14.24.265	CTS-PL 05: Assemble Elevator #2	13	20-Mar-19	05-Apr-19	-350								■	■	■	■						
CTS.14.24.275	CTS-PL 05: Install Elevator Power & Controls	9	08-Apr-19	18-Apr-19	-350								■	■	■	■						
CTS.08.44.265	CTS_PL Install Elevators 1 & 2 Glass Enclosure - Crosscut Platform Level	9	08-Apr-19	18-Apr-19	-350								■	■	■	■						
CTS.08.44.580	Install Elevators 1 & 2 Glass Enclosure - Crosscut Concourse Level	9	08-Apr-19	18-Apr-19	-350								■	■	■	■						
CTS.14.24.285	CTS-PL 05: Startup & Test Elevators 1&2	4	19-Apr-19	24-Apr-19	-350								■	■	■	■						
CTS.14.24.295	CTS-PL 05:Inspections - Elevators 1&2	1	25-Apr-19	25-Apr-19	-350								■	■	■	■						
CTS.01.80.00	CTS- Building Systems Start-up & Testing	44	25-Apr-19	26-Jun-19	-350								■	■	■	■						
Project Start Up		167	26-Jun-19	10-Dec-19	-349																	
STU1010	S&S Certification / Pre-Revenue Activities	115	26-Jun-19	10-Dec-19	-241								■	■	■	■						
BUF0018	Muni Float	0	10-Dec-19	10-Dec-19	-241																	

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2017		2018				2019				2020				2021		
						Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
CENTRAL SUBWAY PROJECT						4079	01-Dec-08 A	19-Jun-20	387													
Light Rail Vehicles						431	29-Aug-16 A	12-Jun-18	-123													
Real Estate						2154	01-Dec-08 A	26-May-17	283													
Construction Phase						3794	04-Jan-10 A	19-Jun-20	387													
Construction Support and Costs						5314	04-Jan-10 A	19-Jun-20	543													
Construction Tunnels CN-1252						252	05-Sep-14 A	27-May-17	1377													
Construction CN-1300						1704	14-Oct-13 A	24-Sep-19	0													
CN- 1300 Milestone						90	26-Jun-19	24-Sep-19	-272													
Construction UMS Station P-1253						1702	14-Oct-13 A	26-Jun-19	64													
Preconstruction						1373	25-Sep-14 A	26-Jun-19	-358													
Engineering & Procurement						1247	14-Oct-13 A	28-Aug-18	-183													
Site Work / Utility Relocation						58	10-Dec-18	01-Mar-19	-220													
Roof Deck Excavation,Construction,Restoration						330	16-Nov-15 A	20-Oct-17	488													
Excavation & Support						429	16-Jun-16 A	24-Jan-18	-268													
UMS.31.50.0250	UMS_Excavate. Lag & Support @ Access Shaft #2 (O'Farrell)	10	16-Jun-16 A	26-May-17	-303																	
UMS.31.23.730	UMS_Dewatering Maintainance	213	20-Jun-16 A	30-Aug-17	-161																	
UMS.03.37.0700	UMS_Install Drain Pipe & Grout Fill Void Between Piles - Roof To Concourse Level Sta 132+50 to South Headwall	10	08-Aug-16 A	12-Jun-17	-313																	
UMS.31.20.1120	UMS_Excavate to Bottom of North Concourse Slab (Intermediate Strut Level)	5	06-Sep-16 A	26-Oct-17	-258																	
UMS.03.30.1525	UMS_Form/Rebar/Pour Invert Slab For South Concourse Escalator Upper Landing	10	25-Oct-16 A	12-Jun-17	-120																	
UMS.05.12.0895	UMS_Install & Pre-Load Permanent Struts - Mezzanine Level Sta 132+50 To South Headwall	11	20-Mar-17 A	16-Jun-17	-313																	
UMS.31.20.0985	UMS_Excavate Bench to Platform Strut Level & Expose Wide Flange Sta 132+50 To South Headwall	8	31-Mar-17 A	28-Jun-17	-312																	
UMS.31.43.150	UMS_Compensation Grouting - As Required	10	12-Jun-17	23-Jun-17	-176																	
UMS.05.12.1200	UMS_Install Permanent Wales Platform Strut Level Sta 132+50 To North Headwall	10	12-Jun-17	23-Jun-17	-313																	
UMS.31.20.1345	UMS_Remove Temporary Struts & Wales For South Concourse Escalator	3	12-Jun-17	15-Jun-17	-120																	
UMS.03.30.1535	UMS_Form/Rebar/Pour Walls For South Concourse Escalator Upper Landing	10	15-Jun-17	29-Jun-17	-120																	
UMS.05.12.1220	UMS_Install & Preload Permanent Struts Platform Strut Level Sta 132+50 To North Headwall	10	16-Jun-17	29-Jun-17	-313																	
UMS.05.12.1210	UMS_Install Permanent Wales Platform Strut Level Sta 132+50 To South Headwall	10	19-Jun-17	30-Jun-17	-311																	
UMS.03.37.0995	UMS_Install Studs, Mesh Drain Pipe & Shotcrete Pile Walls Temp Strut Level 2 To Platfm Strut Le	10	19-Jun-17	30-Jun-17	-281																	
UMS.05.12.1230	UMS_Install & Preload Permanent Struts Platform Strut Level Sta 132+50 To South Headwall	10	21-Jun-17	05-Jul-17	-311																	
UMS.03.37.0990	UMS_Install Studs, Mesh Drain Pipe & Shotcrete Pile Walls Temp Strut Level 2 To Platfm Strut Le	10	30-Jun-17	14-Jul-17	-307																	
UMS.31.20.1030	UMS_Excavate/Demo Liner to Temporary Strut Level 3 & Expose Wide Flange Sta 132+50 To No	10	30-Jun-17	14-Jul-17	-313																	
UMS.31.50.1050	UMS_Install Temporary Struts - Level 3 Sta 132+50 To North Headwall	10	10-Jul-17	21-Jul-17	-308																	
UMS.31.20.1040	UMS_Excavate/Demo Liner to Temporary Strut Level 3 & Expose Wide Flange Sta 132+50 To So	10	10-Jul-17	21-Jul-17	-313																	
UMS.03.37.1020	UMS_Install Studs, Mesh Drain Pipe & Shotcrete Pile Walls Platfm Strut Level To Temp Strut Lev	10	17-Jul-17	28-Jul-17	-307																	
UMS.31.20.1060	UMS_Excavate to Bottom of Invert Slab & Expose Wide Flange Sta 132+50 To North Headwall	3	24-Jul-17	26-Jul-17	-313																	
UMS.31.50.1220	UMS_Install Temporary Struts - Level 3 Sta 132+50 To South Headwall	10	24-Jul-17	04-Aug-17	-308																	
UMS.03.37.1030	UMS_Install Studs, Mesh Drain Pipe & Shotcrete Pile Walls Platfm Strut Level To Temp Strut Lev	10	24-Jul-17	04-Aug-17	-295																	
UMS.05.12.2130	UMS_Attach 60 ea Platform Level Slab Stub Beam Assemblies To West Side Piles - Sta 132+50	15	27-Jul-17	16-Aug-17	-313																	
UMS.05.12.1360	UMS_Attach 60 ea Platform Level Slab Stub Beam Assemblies To East Side Piles - Sta 132+50 To	15	27-Jul-17	16-Aug-17	-313																	
UMS.03.37.1040	UMS_Install Studs, Mesh Drain Pipe & Shotcrete Pile Walls Temp Strut Level 3 To Invert Sta 132+	10	03-Aug-17	16-Aug-17	-310																	
UMS.31.20.1130	UMS_Excavate to Bottom of Invert Slab & Expose Wide Flange Sta 132+50 To South Headwall	3	07-Aug-17	09-Aug-17	-308																	
UMS.05.12.1370	UMS_Attach 40 ea Platform Level Slab Stub Beam Assemblies To West Side Piles - Sta 132+50 To	10	17-Aug-17	30-Aug-17	-313																	
UMS.05.12.1365	UMS_Attach 40 ea Platform Level Slab Stub Beam Assemblies To East Side Piles - Sta 132+50 To	10	17-Aug-17	30-Aug-17	-313																	
UMS.03.37.1050	UMS_Install Studs, Mesh Drain Pipe & Shotcrete Pile Walls Temp Strut Level 3 To Invert Sta 132+	10	24-Aug-17	07-Sep-17	-308																	
UMS.31.41.0205	UMS_Install Sheet Piling at Garage Base Slab	10	06-Oct-17	19-Oct-17	-296																	
UMS.31.20.1355	UMS_Excavate HVAC Chase Beneath North Concourse Slab (Intermediate Strut Level)	5	27-Oct-17	02-Nov-17	-258																	
UMS.05.12.2250	UMS_Install W-Section Piles Reinforcement - (Intermediate Strut Level)	10	03-Nov-17	17-Nov-17	-245																	
UMS.31.20.0260	UMS_Excavate to Intermediate Level In Garage	5	18-Jan-18	24-Jan-18	-293																	
Concrete/Shotcrete						591	03-Feb-16 A	28-Aug-18	-150													

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2017		2018				2019				2020				2021							
						Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2					
Structural Steel						241	24-Aug-17	07-Aug-18	-279																		
Masonry						253	27-Sep-17	26-Sep-18	-245																		
Mechanical						336	27-Sep-17	25-Jan-19	-263																		
Electrical						444	22-Aug-17	03-May-19	-320																		
Electrical - Transportation						336	29-Aug-17	27-Dec-18	-254																		
Architectural Finishes						378	13-Sep-17	22-Feb-19	-284																		
Conveyances						238	08-Feb-18	16-Jan-19	-236																		
Stairs						382	18-Jul-17	21-Jan-19	-253																		
Startup & Testing						61	25-Jan-19	19-Apr-19	-313																		
No 13-Disp						1587	16-Oct-13 A	26-Jun-19	64																		
Construction CTS Station P-1254R						1492	23-Dec-13 A	27-Jun-19	63																		
Preconstruction						15	16-Jan-18	05-Feb-18	4																		
Site Work / Utility Relocation						468	26-May-17	02-Apr-19	122																		
Excavation & Support						620	12-Jun-16 A	06-Nov-18	-189																		
CTS.31.43.140	CTS_ Compensation Grouting - As Required	10	12-Jun-16 A	21-Jun-17	160	CTS_ Compensation Grouting - As Required																					
CTS.31.50.330	Install Temp Level 6 Struts & Wales & Preload	10	14-Feb-18	27-Feb-18	-347	Install Temp Level 6 Struts & Wales & Preload																					
CTS.31.20.335	Excavate to 3' Below Level 7 Struts EL -7.5 Col 4.0-11.0	15	16-Feb-18	08-Mar-18	-347	Excavate to 3' Below Level 7 Struts EL -7.5 Col 4.0-11.0																					
CTS.31.50.370	Install Temp Level 7 Struts & Wales & Preload	10	26-Feb-18	09-Mar-18	-347	Install Temp Level 7 Struts & Wales & Preload																					
CTS.31.20.380	Excavate Headhouse to Invert Slab EL -18.67	12	12-Mar-18	27-Mar-18	-347	Excavate Headhouse to Invert Slab EL -18.67																					
CTS.31.50.070	Remove Level 6 & 7 Struts & Wales	5	14-Jun-18	20-Jun-18	-342	Remove Level 6 & 7 Struts & Wales																					
CTS.31.50.110	CTS_CN Remove Level 5 Struts & Wales	5	14-Jun-18	20-Jun-18	-347	CTS_CN Remove Level 5 Struts & Wales																					
CTS.31.50.150	CTS_CN Remove Level 4 Struts & Wales	5	03-Aug-18	09-Aug-18	-307	CTS_CN Remove Level 4 Struts & Wales																					
CTS.31.50.195	Remove Level 3 Struts & Wales	5	01-Oct-18	05-Oct-18	-342	Remove Level 3 Struts & Wales																					
CTS.31.50.235	Remove Level 2 Struts & Wales	5	08-Oct-18	12-Oct-18	-333	Remove Level 2 Struts & Wales																					
CTS.31.50.240	Remove Level 1 Struts & Wales	5	31-Oct-18	06-Nov-18	-343	Remove Level 1 Struts & Wales																					
Tunnel / Cavern Mining						222	12-Apr-17 A	27-Feb-18	-209																		
CTS.31.71.580	Excavate & Support Top Left Step 3 Invert South Platform Cavern 176Lf	14	12-Apr-17 A	30-May-17	-351	Excavate & Support Top Left Step 3 Invert South Platform Cavern 176Lf																					
CTS.31.71.600	Excavate & Support Top Center Drift Step 4 South Platform Cavern 176Lf	71	02-May-17 A	07-Aug-17	-351	Excavate & Support Top Center Drift Step 4 South Platform Cavern 176Lf																					
CTS.31.71.520	Initial Excavation & Support - South Emergency Egress Tunnel	10	26-May-17	09-Jun-17	-34	Initial Excavation & Support - South Emergency Egress Tunnel																					
CTS.31.71.640	Stage Equipment & Construct Ramp For Crossover Breakin	5	31-May-17	06-Jun-17	-340	Stage Equipment & Construct Ramp For Crossover Breakin																					
CTS.31.71.610	Excavate & Support Center Bench Step 5 South Platform Cavern 176Lf	71	31-May-17	08-Sep-17	-351	Excavate & Support Center Bench Step 5 South Platform Cavern 176Lf																					
CTS.31.71.650	Break-in Crossover Cavern	1	07-Jun-17	07-Jun-17	-340	Break-in Crossover Cavern																					
CTS.31.71.620	Excavate & Construct Invert Step 6 South Platform Cavern 176Lf	71	07-Jun-17	15-Sep-17	-351	Excavate & Construct Invert Step 6 South Platform Cavern 176Lf																					
CTS.31.71.660	Excavate & Construct Left Sidewall & Headwall 268 Lf	55	08-Jun-17	24-Aug-17	-340	Excavate & Construct Left Sidewall & Headwall 268 Lf																					
CTS.31.71.530	Complete Excavation & Support - South Emergency Egress Tunnel	5	12-Jun-17	16-Jun-17	-34	Complete Excavation & Support - South Emergency Egress Tunnel																					
CTS.31.71.670	Excavate & Construct Right Sidewall & Headwall 268 Lf	55	14-Jun-17	30-Aug-17	-340	Excavate & Construct Right Sidewall & Headwall 268 Lf																					
CTS.31.71.455	Excavation / Support Top Center Drift & Construct Headwall for North Platform Cavern Excavation	35	13-Jul-17	30-Aug-17	-207	Excavation / Support Top Center Drift & Construct Headwall for North Platform Cavern Excavation																					
CTS.31.71.475	Excavation / Support Center Bench Invert & Construct Headwall for North Platform Cavern Excav	35	27-Jul-17	14-Sep-17	-207	Excavation / Support Center Bench Invert & Construct Headwall for North Platform Cavern Excavation																					
CTS.31.71.485	Demo Sidewall, Repair Headwall for North Platform Cavern Excavation	10	15-Sep-17	28-Sep-17	-207	Demo Sidewall, Repair Headwall for North Platform Cavern Excavation																					
CTS.31.71.690	Install Ramp For Center Drift	2	18-Sep-17	19-Sep-17	-351	Install Ramp For Center Drift																					
CTS.31.71.630	Demo Sidewalls & Repair Headwall South Platform Cavern 176Lf	10	18-Sep-17	29-Sep-17	-351	Demo Sidewalls & Repair Headwall South Platform Cavern 176Lf																					
CTS.31.71.700	Excavate & Support Center Drift	90	20-Sep-17	30-Jan-18	-351	Excavate & Support Center Drift																					
CTS.31.71.720	Excavate & Support Center Bench - Crossover	90	27-Sep-17	06-Feb-18	-351	Excavate & Support Center Bench - Crossover																					
CTS.31.71.730	Excavate & Construct Invert - Crossover	90	04-Oct-17	13-Feb-18	-351	Excavate & Construct Invert - Crossover																					
CTS.31.71.800	TB-4 SEM Additional Flashcrete	30	23-Oct-17	06-Dec-17	-243	TB-4 SEM Additional Flashcrete																					
CTS.31.71.810	TB-5 SEM Additional Shotcrete	30	23-Oct-17	06-Dec-17	-243	TB-5 SEM Additional Shotcrete																					
CTS.31.71.820	TB-6 SEM Additional Lattice Girders	30	23-Oct-17	06-Dec-17	-243	TB-6 SEM Additional Lattice Girders																					
CTS.31.71.830	TB-7 SEM Additional Steel Arches	30	23-Oct-17	06-Dec-17	-243	TB-7 SEM Additional Steel Arches																					
CTS.31.71.840	TB-8 SEM Additional Face Bolts	30	23-Oct-17	06-Dec-17	-243	TB-8 SEM Additional Face Bolts																					
CTS.31.71.850	TB-9 SEM Additional Metal Sheets	30	23-Oct-17	06-Dec-17	-243	TB-9 SEM Additional Metal Sheets																					

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2017			2018				2019				2020				2021		
						Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	
CTS.31.71.860	TB-10 SEM Additional Probe Holes	30	23-Oct-17	06-Dec-17	-243																		
CTS.31.71.870	TB-11 SEM Additional Grout Holes	30	23-Oct-17	06-Dec-17	-243																		
CTS.31.71.880	TB-12 SEM Additional Permeation Grouting	30	23-Oct-17	06-Dec-17	-243																		
CTS.31.71.890	TB-13 SEM Additional Pocket Excavation	30	23-Oct-17	06-Dec-17	-243																		
CTS.31.71.900	TB-14 SEM Additional Drilled Gravity Dewatering Pipes/ Gravity Well Points	30	23-Oct-17	06-Dec-17	-243																		
CTS.31.71.910	TB-15 SEM Additional Vacuum Well Points	30	23-Oct-17	06-Dec-17	-243																		
CTS.31.71.780	TB-2 SEM Additional Grouted Pipe Spiles	30	23-Oct-17	06-Dec-17	-243																		
CTS.31.71.790	TB-3 SEM Additional Barrel Vault Pipes	30	23-Oct-17	06-Dec-17	-243																		
CTS.31.71.770	TB-1 SEM Additional Rebar Spiles	30	23-Oct-17	06-Dec-17	-243																		
CTS.31.71.740	Demo Sidewalls, Repair Headwall & Top Joint - Crossover	10	14-Feb-18	27-Feb-18	-351																		
Cavern Lining		326	19-Jun-17	17-Sep-18	-330																		
Concrete/Shotcrete		385	15-Sep-17	07-Mar-19	-325																		
Structural Steel		102	10-Oct-18	06-Mar-19	-327																		
Masonry		102	27-Jul-18	20-Dec-18	-315																		
Mechanical		200	19-Jun-18	25-Mar-19	-337																		
Misc Metal		198	19-Jun-18	29-Mar-19	-332																		
Electrical		208	28-Jun-18	15-Apr-19	-342																		
Electrical - Transportation		79	21-Sep-18	15-Jan-19	-319																		
Architectural Finishes		259	11-Apr-18	17-Apr-19	-301																		
Conveyances		95	14-Dec-18	25-Apr-19	-359																		
Startup & Testing		44	25-Apr-19	26-Jun-19	-350																		
No 13-Disp		1492	23-Dec-13 A	27-Jun-19	63																		
Construction YBM Station P-1255		1591	10-Jan-14 A	26-Jun-19	64																		
Preconstruction		15	16-Jan-18	05-Feb-18	4																		
Excavation & Support		542	25-Apr-16 A	06-Sep-18	-174																		
Y.1.620	Open all Traffic- 4th Street	1	25-Apr-16 A	11-Oct-17	57																		
YBM.31.50.111	Remove Level 6 Struts (Station and Headhouse)	10	06-Sep-17	19-Sep-17	-257																		
YBM.31.50.121	Remove Headhouse Level 4 Struts	10	16-Nov-17	01-Dec-17	-240																		
YBM.31.50.131	Remove Headhouse Level 2 Struts GL 05-08	5	12-Feb-18	16-Feb-18	-240																		
YBM.31.50.141	Remove Headhouse Level 2 Struts GL 08-11	5	13-Mar-18	19-Mar-18	-229																		
YBM.31.20.510	Demo Stair #4 opening/ Excavate to Stair #4 invert Level	10	23-May-18	06-Jun-18	-166																		
YBM.31.20.520	Backfill Stair #4 to Surface Level	10	23-Aug-18	06-Sep-18	-186																		
Concrete/Shotcrete		438	14-Nov-16 A	12-Sep-18	-165																		
Mechanical		5	15-Jan-18	19-Jan-18	-74																		
Electrical		329	10-Jul-17	11-Oct-18	-240																		
Electrical - Transportation		350	26-May-17	27-Sep-18	-230																		
Conveyances		158	07-Mar-18	17-Oct-18	-236																		
Startup & Testing		61	15-Nov-18	13-Feb-19	-256																		
No 13-Disp		1591	10-Jan-14 A	26-Jun-19	64																		
Construction STS P-1256		1579	24-Feb-14 A	09-Sep-19	11																		
Preconstruction		15	16-Jan-18	05-Feb-18	4																		
Site Work / Utility Relocation		77	26-Jun-17	12-Oct-17	-263																		
STS.33.31.260	STS_Install New 18" Sewer Lateral In Welsh St To Future 48" Manhole	5	26-Jun-17	30-Jun-17	-231																		
STS.33.31.400	STS_Install New 27" Sewer PipeCasing Connecting Offset Manhole To East MH @ 4th St/Townsend	10	18-Jul-17	31-Jul-17	-236																		
STS.33.31.445	Install New 48" Gravity Sewer Main Manhole @ 4th/Welsh St	15	18-Jul-17	07-Aug-17	-288																		
STS.33.31.410	STS_Install New CB's, 10" & 24" Sewer Piping @ 4th St/Townsend - East Side	15	01-Aug-17	21-Aug-17	-236																		
STS.33.31.450	Install New 48" Gravity Sewer Main - Bryant St To Welsh St.	15	08-Aug-17	28-Aug-17	-288																		
STS.33.31.390	STS_Install New Sewer Manhole @ 4th St/Townsend - East Side	10	22-Aug-17	05-Sep-17	-236																		
STS.33.31.120	Install New 36" Force Main Sewer @ 4th/Bryant	10	29-Aug-17	12-Sep-17	-288																		
STS.33.31.500	Install New 36" Force Main Sewer 4th St - Bryant To Welsh	7	13-Sep-17	21-Sep-17	-288																		

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2017			2018				2019				2020				2021	
						Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
STS.33.31.505	Install New 36" Force Main Sewer 4th St - Through Welsh St Intersection	5	22-Sep-17	28-Sep-17	-288																	
STS.33.31.525	Install New 36" Force Main Sewer 4th St - Through Brannan St Intersection	10	29-Sep-17	12-Oct-17	-288																	
	Concrete/Shotcrete	70	13-Oct-17	25-Jan-18	-34																	
	Tunnel Concrete	419	18-Apr-16 A	07-Nov-18	-205																	
	Structural Steel	15	02-Apr-18	20-Apr-18	-223																	
	Electrical	168	29-May-18	25-Jan-19	-287																	
	Electrical - Transportation	21	26-Sep-18	24-Oct-18	-293																	
	Trackwork	498	14-Nov-16 A	25-Feb-19	-286																	
	Track System Work	1194	25-Apr-15 A	09-Sep-19	-336																	
	Startup & Testing	80	26-Feb-19	18-Jun-19	-348																	
	No 13-Disp	1488	24-Feb-14 A	26-Jun-19	64																	
	Unallocated Contingency	115	26-Jun-19	10-Dec-19	-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:

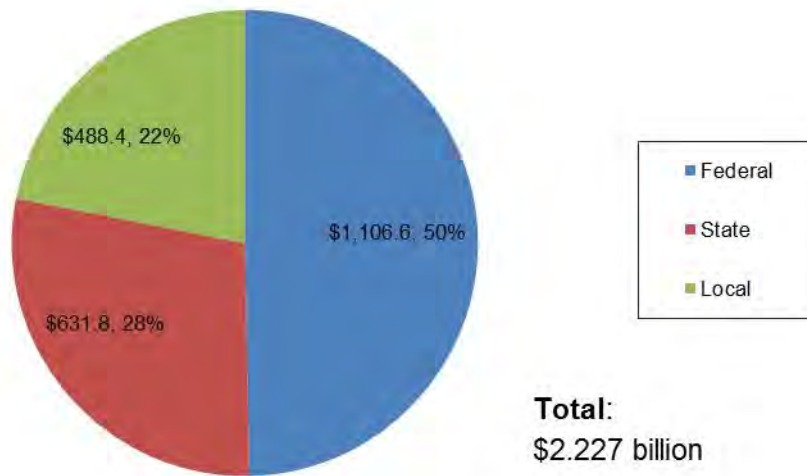
- Phase 1 + Phase 2 of the T Third Line federal, state and local funding percentages previous to the addition of the retrieval shaft relocation budget and funding in December 2013.

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.

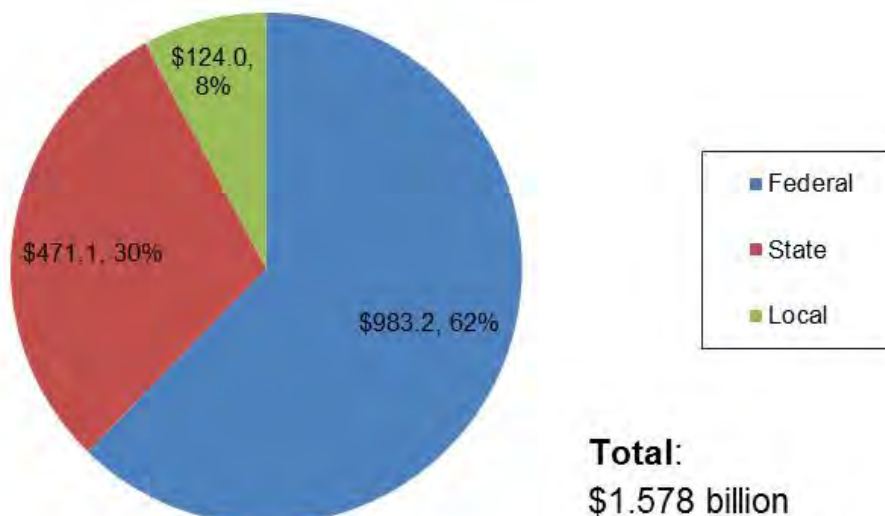
Third Street Light Rail Transit Project Funding

Phase 1 + Phase 2
(\$ in millions)



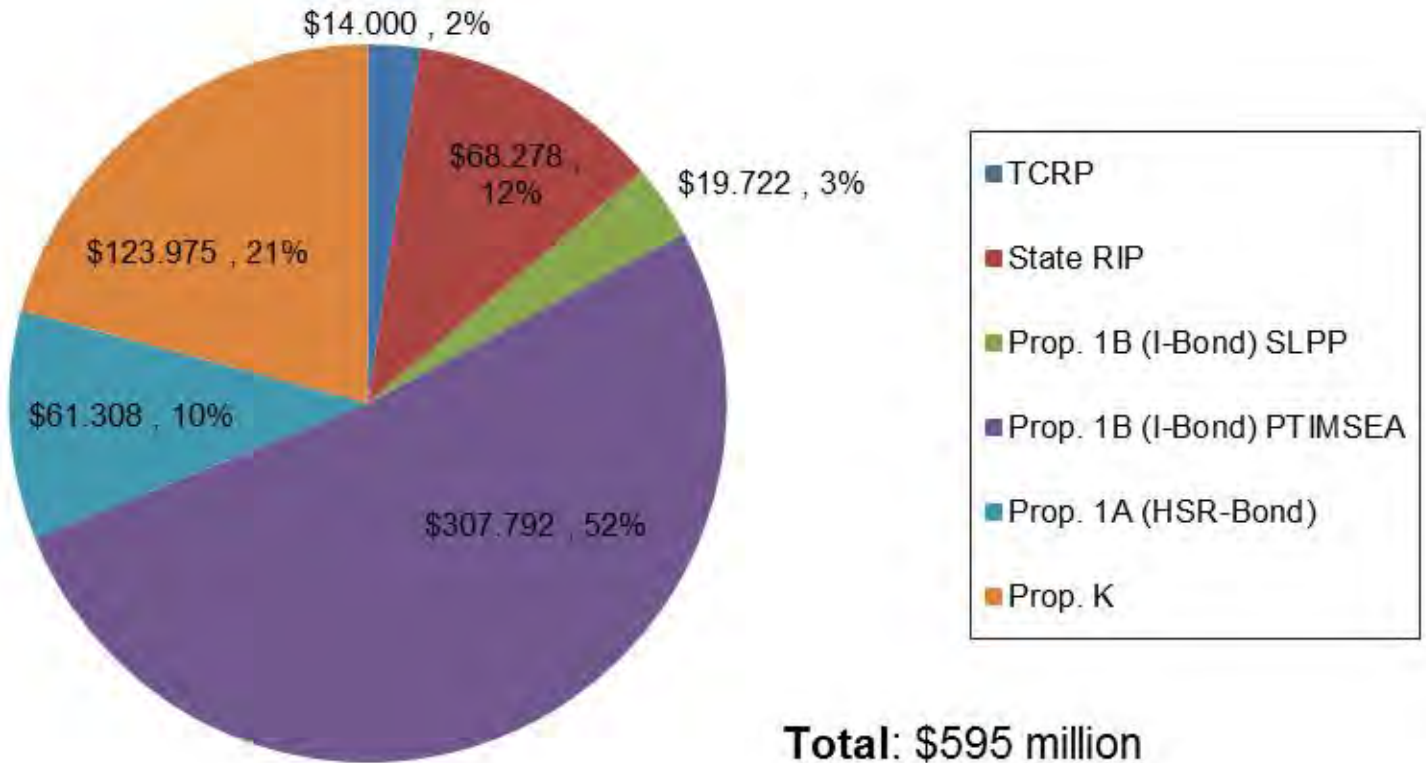
Central Subway Project Funding

Phase 2
(\$ in millions)



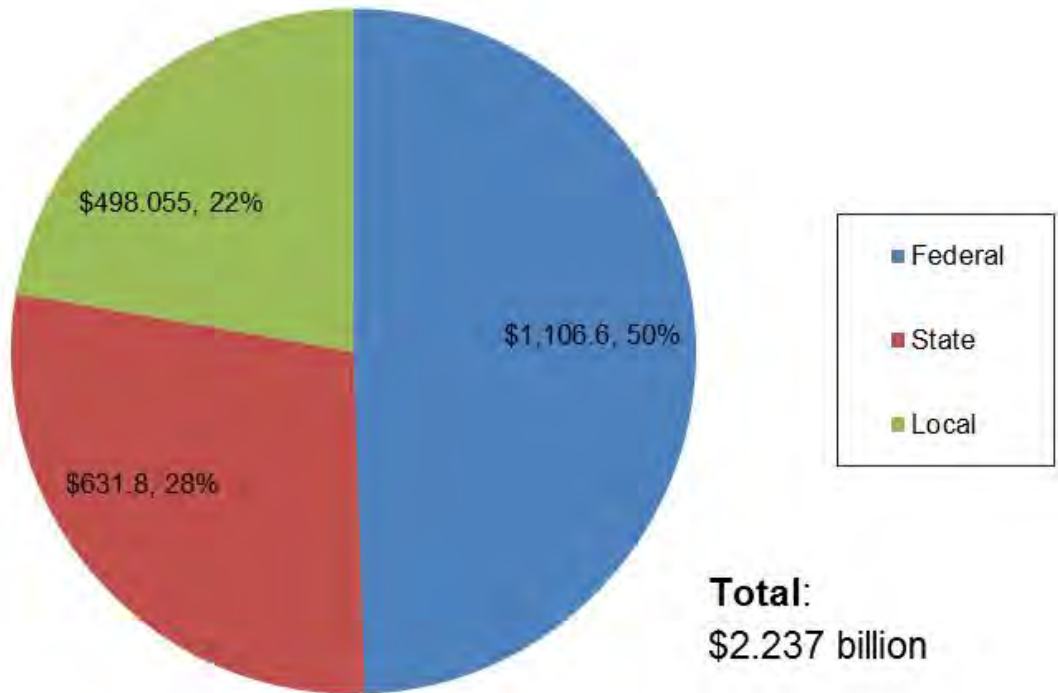
State and Local Funding

Phase 2
(\$ in millions)



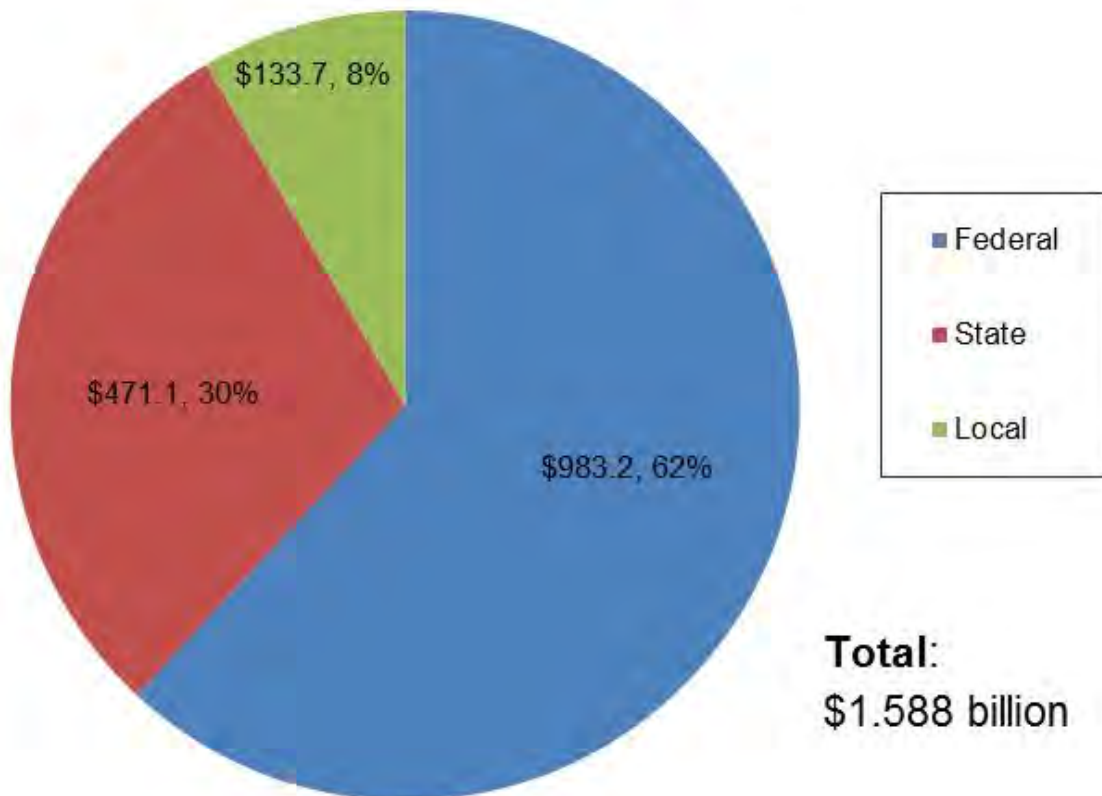
Third Street Light Rail Transit Project Funding

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

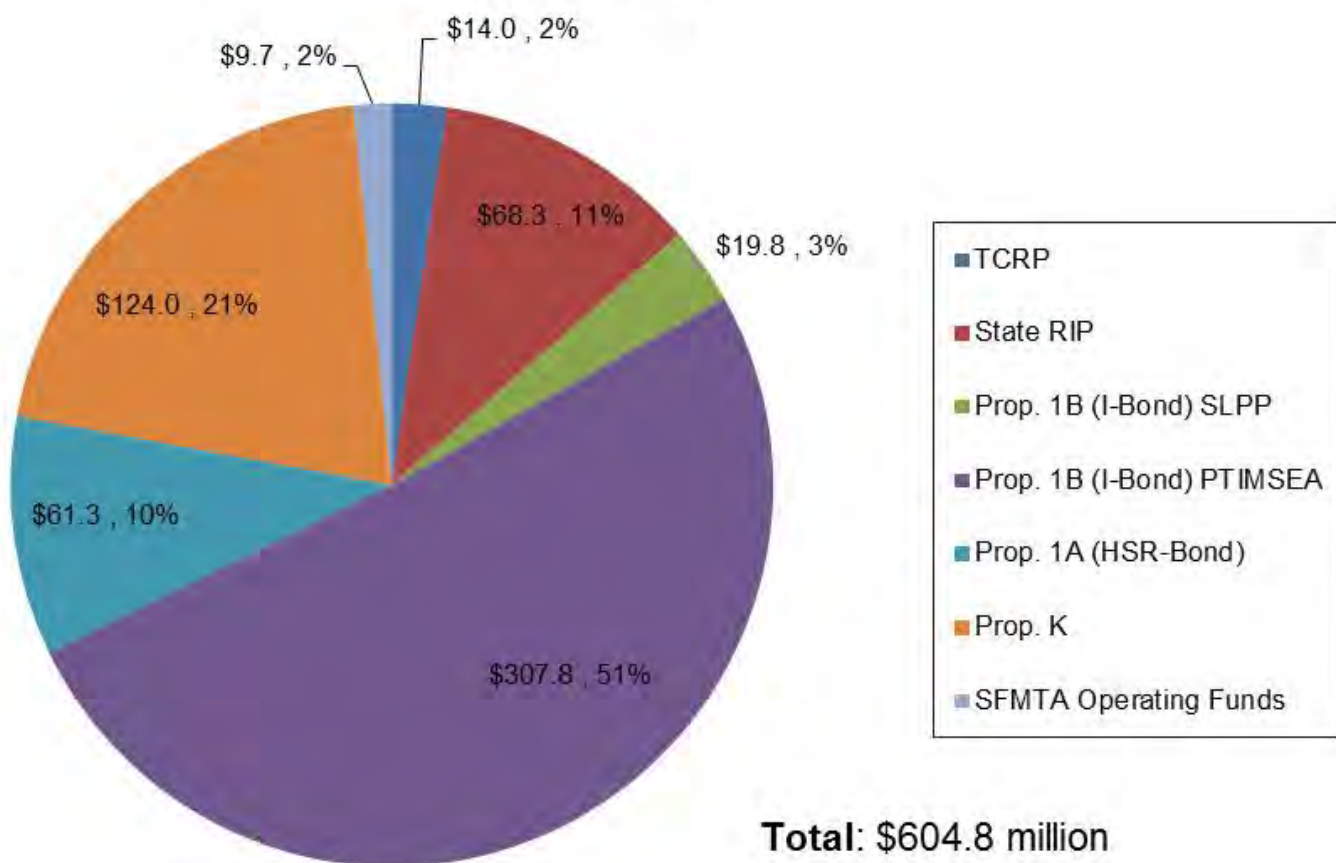


Central Subway Project Funding

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.

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)

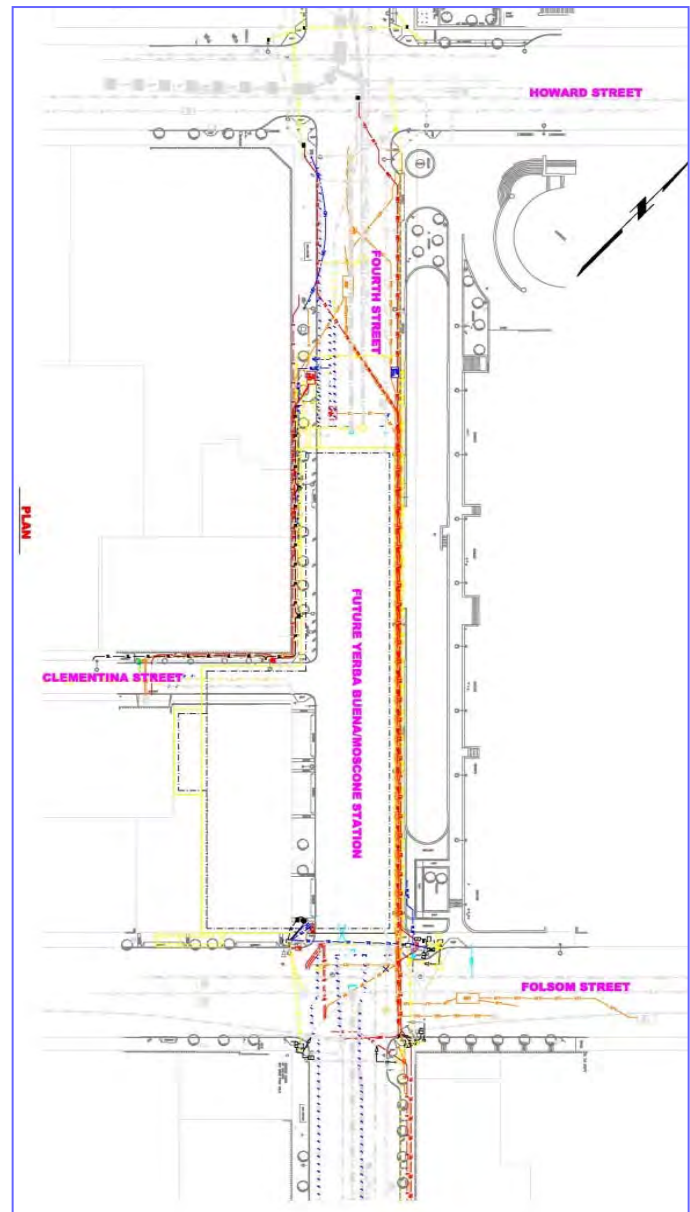
Description

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.

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



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	\$20,794,581
Utility Reimbursements	(7,413,510)
Final Program Costs	\$13,176,169
Budget Impact (Underrun)	(\$9,023,678)

Contract Details

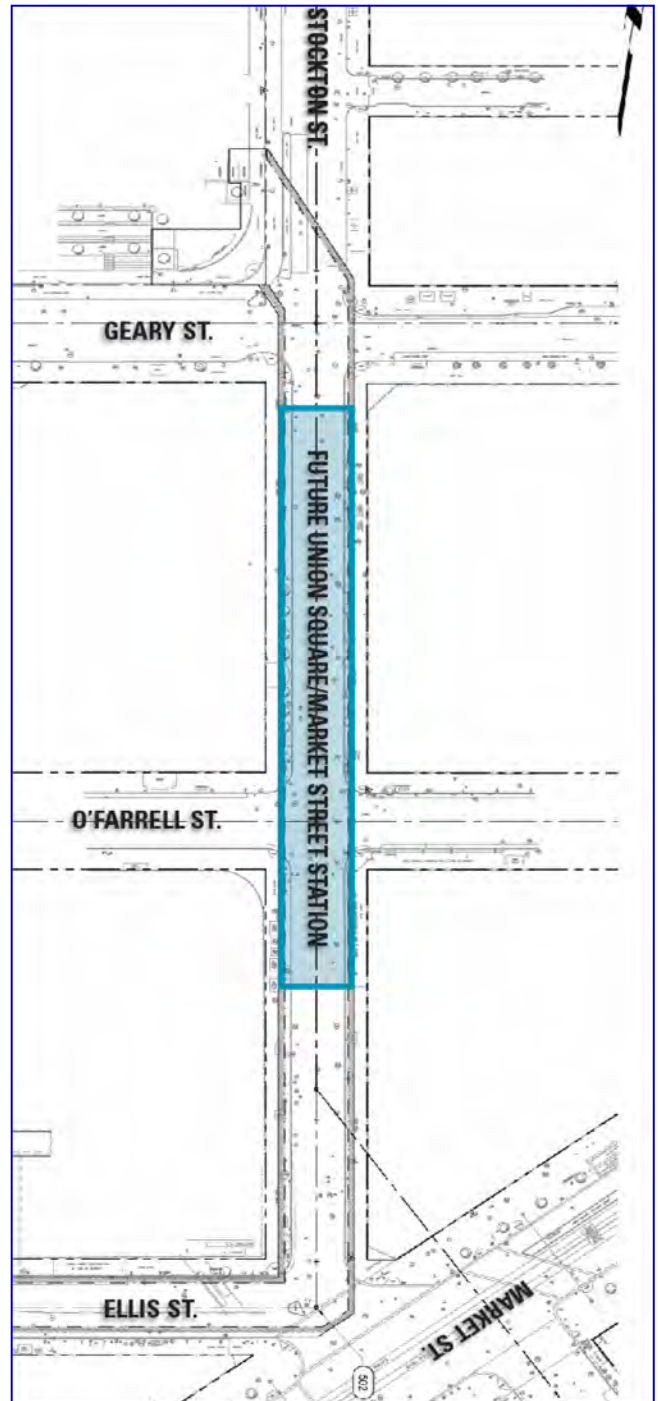
Contract Awarded:	December 7, 2010
Notice to Proceed:	January 12, 2011
Substantial Completion:	August 16, 2012
Contract Award Value:	\$16,832,550
Modifications Final:	\$3,962,031
Final Contract Value:	\$20,794,581

Status

- Final completion date October 15, 2012.
- Completed punch list work
- Project Final Acceptance by the SFMTA Board of Directors

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.

- Work was substantially completed Sept. 24, 2013.
- Administrative closeout in progress.
- 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	\$233,572,323

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:	\$7,935,848
Current Contract Value:	\$241,519,863



Appendix E

SBE PARTICIPATION

Quarterly Report

Current Report: January 2017 – March 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 March 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%	\$58.54	39.7%	\$25.54	\$23.25	31.4%
2	156	Hill International	Project Controls Task 1	\$17.11	26%	\$9.67	29.0%	\$4.45	\$2.80	26.0%
3	155-1	PB Telemon	Tunnels Design	\$7.94	30%	\$7.94	30.2%	\$2.38	\$2.40	31.6%
4	155-2	CS Design Group	Stations Design	\$35.85	30%	\$35.21	36.7%	\$10.76	\$12.92	36.4%
5	155-3	HNTB, Inc.- B&C	Systems, Track & Surface Station Design	\$17.23	30%	\$14.12	26.7%	\$5.17	\$3.77	30.0%
Subtotal Professional Services				\$163.28		\$125.47		\$48.30	\$45.14	
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%	234.88	5.8%	\$14.48	\$13.58	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	846.72	20%	\$472.93	18.4%	\$169.34	\$87.15	25.5%
Subtotal Construction Contracts				\$1,121.43		\$741.22		\$191.02	\$131.18	
Contract	Contractor	Services/Segment	Base Contract	SFMTA Goal	Expenditures	SBE Actual	= A * B	= C * D	Bid Goal	
			A	B	C	D	E	F	G	

SBE Summary Table Notes and Sources:

- a) Column A is the base contract amount awarded. Column B is the Agency SBE goal percent for each contract awarded.
 The SFMTA SBE Contract Goals are also on the Central Subway web site under the listing of on-going contracts – see **“Closed and Awarded Contracts”** at this link:
<http://centralsubwaysf.com/content/closed-and-awarded-contracts>
- b) Column C shows each contract's current amount expended to date (estimated) including accruals. Column D is the actual SBE percent level of each contract based on payments to date.
 Column E is the expected SBE dollar amount when the contract amount is completed and the SFMTA SBE goal achieved using this calculation: Columns A * B = Column E, the SBE Expected \$ Amount.
 Column F is the actual SBE dollar amount out of the total contract expenditure to date:
 Columns C * D = Column F, the SBE Expended \$ Amount.
 The source of the SBE Actual percent to date and dollar amounts are Progress Payment

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

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

- c) Column G, the Contractor's SBE Goal in the submitted bid, is background information that is not calculated in the table. The table source of the Contractor's SBE Goals is from the SFMTA Contract Compliance Office. A Contractor's SBE goal in the bid is one source used by SFMTA Contract Compliance to assess and propose the Agency's SBE goal for a contract.
- d) The three constructions contracts shown in **bold type, 1250, 1251 and 1277**, with gray background, are completed contracts. Little to no changes will be shown in future reports.
- e) The SBE Hill International Actual to Date SBE participation is 29.0% 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 #39, March 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: 3/31/2017

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.)	\$58,536,775
	% Expended	68.8%
	SBE SFMTA Goal	30.0%
	SBE Participation	39.7%

Contract:	Project Controls Cost and Schedule Support	
Contract No.	CS 156 Hill International Task 1*	
Status:	On-going	
	Base Contract Value	\$17,112,873
	Approved Change Orders	-0-
	Current Contract Value	\$17,112,873
	Expended to Date (est.)	\$9,669,141
	% Expended	56.5%
	SBE SFMTA Goal	26.0%
	SBE Participation	28.97%

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.)	\$7,937,601
	% Expended	100.0%
	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	\$34,228,038
	Approved Change Orders (1)	\$1,626,722
	Current Contract Value	\$35,854,760
	Expended to Date (est.)	\$35,207,277
	% Expended	98.2%
	SBE SFMTA Goal	30.0%
	SBE Participation	36.7%

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	\$16,822,238
	Approved Change Orders (5)	\$312,814
	Current Contract Value	\$17,232,252
	Expended to Date (est.)	\$14,116,463
	% Expended	81.9%
	SBE SFMTA Goal	30.0%
	SBE Participation	26.7%

* denote accrual

Active and Completed Construction Contracts - SBE Participation Details

		<i>Data as of:</i>	3/31/2017
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		3,962,031
	Final Contract Value		\$20,794,581
	% 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.)		\$234,881,397
	% Expended		97.1%
	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		\$7,047,789
	Current Contract Value		\$846,724,189
	Expended to Date (est.)		\$472,931,531
	% Expended		55.9%
	SBE SFMTA Goal		20.0%
	SBE Participation To Date		18.4%

Photos on the next page:

In December 2016, Winter Walk was again erected following the tremendous success of past years. Off the Grid food trucks were present offering a wide array of culinary delights and seating was provided for tired shoppers. Winter Walk's pedestrian plaza was set up on Stockton Street between Geary and Ellis.

central subway

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