

central subway

From Excavation to Invert

Crews have excavated the Union Square/Market Street station box and have begun preliminary invert slab construction.



Progress Report

June 2017



SFMTA
Municipal
Transportation
Agency

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Cover photo: Great strides have been made in recent weeks to prepare for construction of the base slab or “invert” of the station box, under Stockton roughly between Geary and O’Farrell. Site excavation and grading are underway, and at the north end of the station box, an initial “rat slab” was poured, followed by the installation of vinyl sheets for waterproofing. More photos can be found starting on page 36.

Above photos: Crews have conducted utility upgrade and replacement work under the east sidewalk along 4th Street, just north of Brannan. Electrical conduits, communication lines, and drainage systems have been installed prior to pouring a new concrete sidewalk slab.

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



Light streams in an access shaft at UMS as a large steel bucket used to haul out excavated material is lowered carefully between temporary steel struts.

Executive Summary

Chinatown Station - Headhouse excavated to 16' below Temp Level 5.0 walers and struts. Platform Cavern South Center Drift (Top Headings , Bench Invert) is 30% complete. Incidental street work (minor), ongoing monitoring and surveying. Mockup for Final Waterproofing and Lining completed for the North Emergency Egress (NEE) Shaft and Tunnel. Completed barrel vault installation for Reach 3. Completed sewer replacement work on Washington Street between Stockton and Spofford.

Union Square/Market Street Station - Platform Station: Temporary Strut Level 3 to invert: Completed removal of tunnel segments, continued excavation, chipping piles, installation of wales, struts, nelson studs, benches and starpacks. Installed mesh/drain pipe and placed shotcrete to walls. Emergency exit stairs 3 and 4: Repaired piles. North Concourse: Commenced placing rebar for fan level HVAC duct invert and walls. North Entrance: Continued concourse level steel erection and rough-in HVAC and Mechanical/Electrical/Plumbing MEP. At street level, backfilled PG&E conduits on north side of Geary Street. South Concourse: Placed base and mud mat for Escalator Ramp. Placed initial shotcrete to East and West Wall of escalator ramp. Ellis Street: Completed Market/Ellis tie into 8" water main.

Yerba Buena/Moscone Station - Continued to replace the force main and AWSS at 4th & Howard during the night. Continued to investigate utility conflicts for 36" force main at Howard. Continued to install metal stairs at Stair 1 and Stair 4. Continued pyrok plaster on Mezzanine and Concourse Level – Station Box. Continued electrical rough-in on Mezzanine – Station Box. Continued fire sprinkler piping rough-in on Concourse Level – Station Box. Completed CMU wall supports Concourse Level – Station Box. Started to install Stair 1 at Platform Level – Station Box. Started to form Platform walls – Station Box. Completed removal of struts and walers at Invert Level – Station Box and Headhouse. Chipped slurry walls and drill and epoxy slurry wall rebar dowels for shotcrete walls – Station Box Invert Level. Placed shotcrete leveling course – Headhouse Invert.

Surface, Track and Systems– Completed 48" sewer installation at 4th/Bryant intersection. Completed 10" force main at 4th/Brannan. Completed domestic water relocation at 4th/Townsend, 4th/Brannan and 4th/Welsh. Completed all invert work in the tunnel. Continued 36" sewer force main. Continued AWSS installation. Continued OCS pole installation. Continued track plinth construction and track installation inside tunnels. Continued pavement renovation.

Tunnel - Contract administrative closeout is ongoing.

Total project costs to date are \$1,081.53 million, an increase of \$11.12 million over last month. The total cost to date equals 68.52% of the total project budget of \$1.578 billion. The Master Project Schedule forecasts a Revenue Service Date of December 2019.

The Stations Contractors' Safety Reports shows no recordable accident took place this month. The rates of work site accident incidents by the man hours worked continue to be below industry standards - see tables on page 34.

Key Milestones

Transition from site excavation to invert construction at UMS

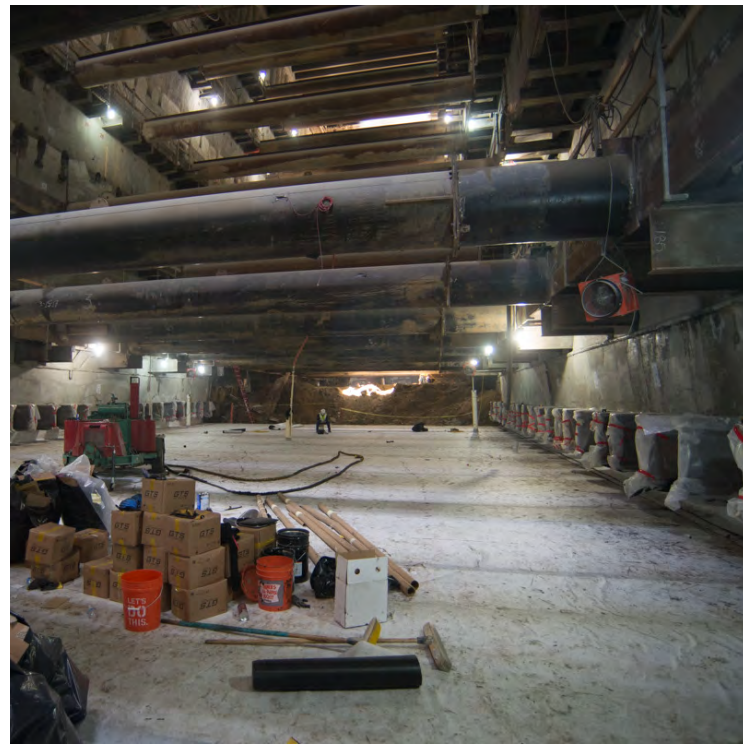


1 Crews excavate and remove tunnel segments from the platform level



2 Temporary reinforcing is installed, as well as brackets for the invert slab rebar

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 A thin leveling slab is poured, and vinyl waterproofing sheets are installed

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 \$1,081.53 million, a \$11.12 million increase over last month. The cost to date figure reflects expenditures through FAMIS 786 Report (\$1,041.98 million) plus the utilities joint trench Form B Reimbursement payment (\$11.24 million), invoices currently being processed (\$24.85 million) and estimates of outstanding pay requests (\$3.48 million). This incurred amount equals 68.52% 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 June 2017 Report, the Preliminary Earned Value Analysis reports is based on the SFMTA June Schedule Update. The Planned Value, Earned Value, Actual Cost, Percent Complete and resulting indexes as follows:

Preliminary June Earned Value

Overall Budgeted Cost:	\$1,578,300,000
Planned Value:	\$1,420,728,126
Earned Value:	\$1,094,163,514
Actual Cost:	\$1,081,527,628
Schedule Performance Index (SPI):	0.77
Cost Performance Index (CPI):	1.01
Percent Complete:	69.3%

Schedule Highlights

The Master Project Schedule (MPS) below includes progress through June 2017. The June 2017 Schedule Update submittal from Contract 1300 Contractor was not submitted due previous update corrections that needed to be completed before TPC provide the June update. The Contract 1300 schedule represented in this report is based on the SFMTA June 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. These changes allowed Contract 1300 Schedule to maintain the current forecasted Revenue Service Date of 10 December 2019 for the second month without additional delay.

Contract 1300 Contractor submitted thirty (30) Schedule Updates from December 2014 to May 2017. SFMTA rejected seventeen (17) Schedule Updates from December 2015 to April 2016 and June 2016 to May 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 June 2017 schedule is used within the June Report. The SFMTA Contract 1300 June 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.



Workers spray shotcrete on steel mesh on the west wall of the Union Square/Market Street Station.

Schedule Highlights - Continued

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
- Platform Cavern South Center Drift (top heading, bench, invert) is 30% complete
- Incidental street work (minor), ongoing monitoring and surveying
- Mockup for Final Waterproofing and Lining completed for the North Emergency Egress (NEE) Shaft and Tunnel
- Completed barrel vault installation for Reach 3
- Completed sewer replacement work on Washington Street between Stockton and Spofford

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

- Platform Station: Temporary Strut Level 3 to invert: Completed removal of tunnel segments, continued excavation, chipping piles, installation of wales, struts, nelson studs, benches and starpacks. Installed mesh/drain pipe and placed shotcrete to walls. Emergency exit stairs 3 and 4: Repaired piles
- North Concourse: Commenced placing rebar for fan level HVAC duct invert and walls
- North Entrance: Continued concourse level steel erection and rough-in HVAC and Mechanical/Electrical/Plumbing MEP. At street level, backfilled PG&E conduits on north side of Geary Street
- South Concourse: Placed base and mud mat for Escalator Ramp. Placed initial shotcrete to East and West Wall of escalator ramp
- Ellis Street: Completed Market/Ellis tie into 8" water main

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

- Continued to replace the force main and AWSS at 4th and Folsom during the night
- Continued to investigate utility conflicts for 36" force main at Howard ongoing
- Continued to install metal stairs at Stair 1 and Stair 4
- Continued pyrok plaster on Mezzanine and Concourse Level – Station Box
- Continued electrical rough-in on Mezzanine – Station Box
- Continued fire sprinkler piping rough-in on Concourse Level – Station Box
- Completed CMU wall supports Concourse Level – Station Box
- Started to install Stair 1 at Platform Level – Station Box
- Started to form Platform walls – Station Box
- Completed removal of struts and walers at Invert Level – Station Box and Headhouse
- Chipped slurry walls and drill and epoxy slurry wall rebar dowels for shotcrete walls – Station Box Invert Level
- Poured Columns C1, C2, C3, C4, C5, C6, C7, C11, C12

Schedule Highlights - Continued

- Placed shotcrete leveling course – Headhouse Invert
- Completed pothole of 36” sewer force main within the intersection of 4th & Howard

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

- Completed 48” sewer installation at 4th/Bryant intersection
- Completed 10” force main at 4th/Brannan
- Continued 12” AWSS lateral installation on 4th/Brannan intersection
- Completed domestic water relocation at 4th/Townsend, 4th/Brannan and 4th/Welsh
- Continued 36” sewer force main at 4th/Bryant
- Continued OCS pole installation
- Completed all invert work in the tunnel
- Continued track plinth construction and track installation inside tunnels
- Continued pavement renovation along 4th Street

Master Project Schedule

Activity ID	Activity Name	Original Start Duration	Finish	2017			2018			2019		
				Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
CENTRAL SUBWAY PROJECT												
Program Level Milestones												
M3000	Central Subway Project Start	682	05-Jun-18 A	11-Jan-20								
M3004	Tunnel Excavation Complete - Project Milestone #44	681	05-Jun-18 A	10-Dec-18								
M3018	Baseline Finish Date: 12-31-2018	0	05-Jun-18 A	05-Sep-18 A								
M3008	CSP Reverse Service Date	0	05-Jun-18 A	10-Dec-18								
Preliminary Engineering Phase												
Final Design												
	Light Rail Vehicles	230	16-Apr-18 A	23-Jul-18								
	Real Estate	130	01-Aug-18 A	26-Jun-17								
Construction Phase												
	Construction Support and Costs	225	04-Jan-18 A	11-Jan-20								
	Construction Utility Contract #1 - M05 B Portal CN-1250	56	04-Jan-18 A	23-May-18 A								
	Construction Utility Contract #2 - UM1 CN-1251	64	12-Jan-18 A	16-Oct-18 A								
	Construction Tunnels CN-1252	1610	08-Jun-18 A	26-Jun-17								
	Construction CN-1300	1794	05-Jun-18 A	24-Sep-18								
	CN-1300 Milestone	186	17-Jun-18 A	24-Sep-18								
	Construction UM3 Station P-1253	1794	17-Jun-18 A	27-Jun-18								
	Construction CTS Station P-1254R	1672	17-Jun-18 A	27-Jun-18								
	Construction YBM Station P-1255	1681	16-Jun-18 A	27-Jun-18								
	Construction STS P-1256	1620	05-Jun-18 A	11-Sep-19								
	Project Start Up	167	26-Jun-18	10-Dec-18								
Unallocated Contingency												
CO-1700	Cost Activity Unallocated Contingency (LOE) - 17,600,000.00 - Contingency	116	26-Jun-18	10-Dec-18								



As will future trains leaving Union Square/Market Street Station, the southbound tunnel curves under market Street where it intersects with Stockton and Ellis, to move down 4th to Yerba Buena/Moscone.

Contracts & Construction

Construction Contracts In Progress

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

- Contractor: Tutor - Perini Corporation
- Amount: \$847.40 million
- Contract Status: 58.08% 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

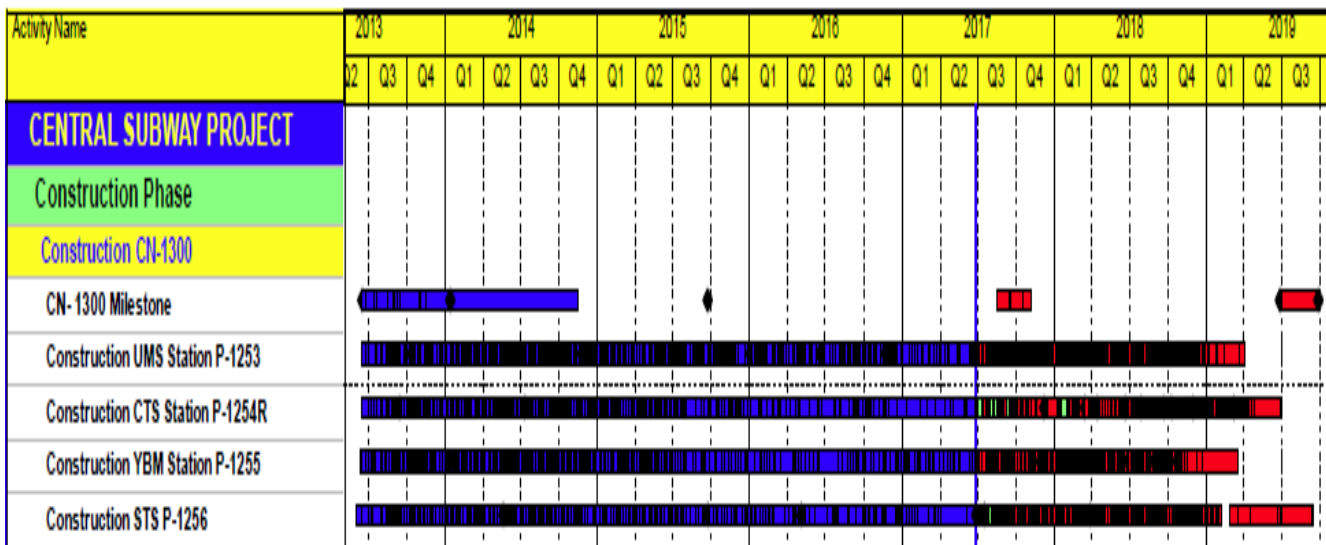
The Contract 1300 scope is to construct the Central Subway's three subway stations, one surface station, construct the 2,000 feet of surface track, and install track and operating systems throughout the new alignment. The separate station and systems work packages are presented in the following pages.

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:	\$7,726,806
Current Contract Value :	\$847,403,206

Budget/Expenditures▲	
Current Budget	\$879,676,400
Other Project Offset Credits	\$3,123,097
Expenditures to Date	\$501,389,927

1300 Summary Schedule



Chinatown Station

Contract 1300 - Work Package 1254R



Current Work Status

- Head house excavated to 16' below Temp Level 5.0 walers and struts
- Platform Cavern South Center Drift (Top Heading, Bench, Invert) is 30% complete
- Incidental street work (minor), ongoing monitoring and surveying
- Mockup for Final Waterproofing and Lining completed for the North Emergency Egress (NEE) Shaft and Tunnel
- Completed barrel vault installation for Reach 3
- Completed Sewer Replacement Work on Washington Street between Stockton and Spofford

Work Expected Next Month

- Platform Cavern South – continue/complete with Center Drift Top Heading, Bench and Invert
- Platform Cavern North – begin center drift top heading, bench, and invert once 80' of Platform Cavern South Center Drift Invert is completed and convergence/settlement readings are stable
- Cross Over Cavern – continue with Left and Right Side Drift excavations for Top Heading and Invert

Description of Work

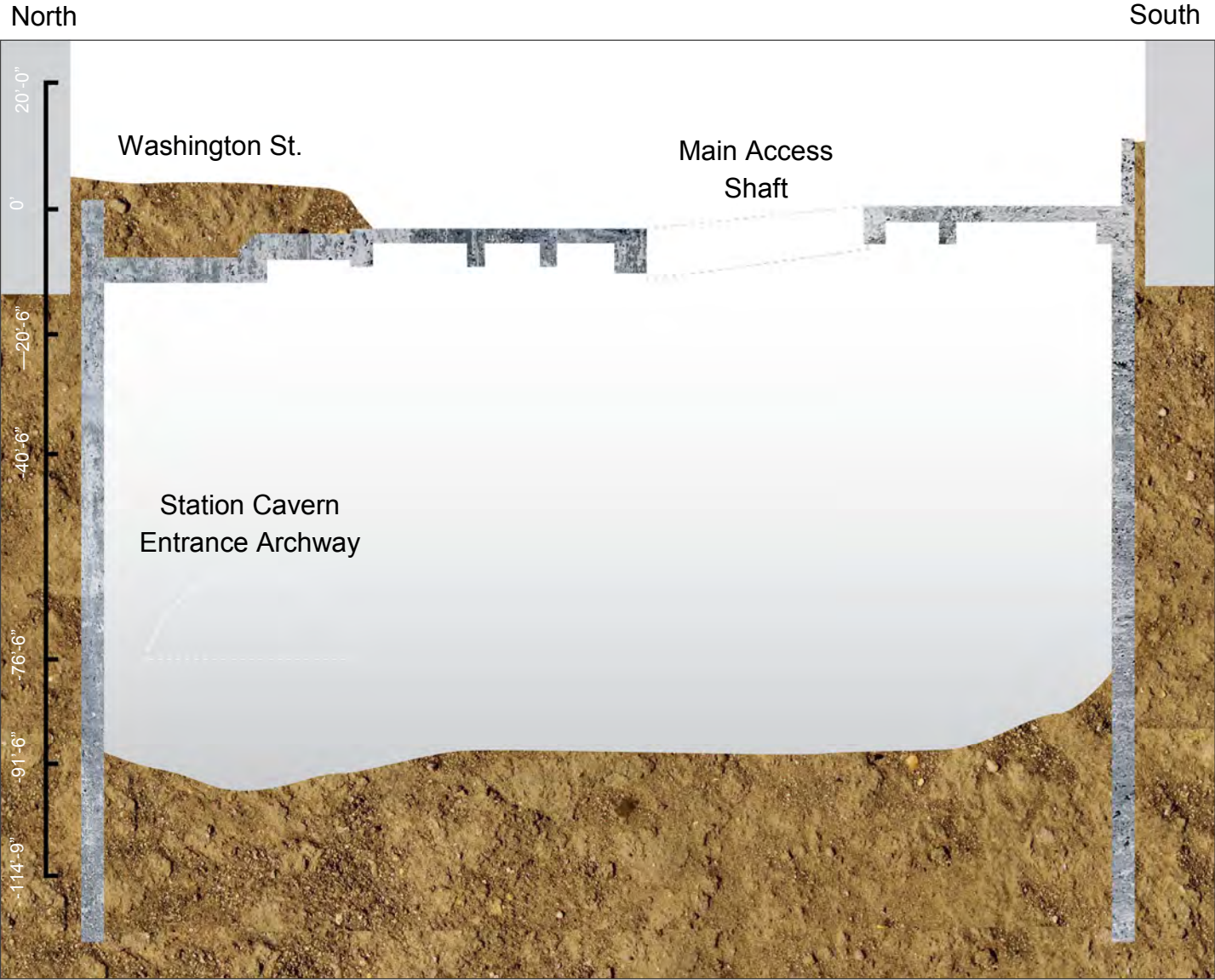
This Work Package is to construct one subway station. Includes station finishes, AC and DC Traction Power substations elevators, escalators, lighting, emergency ventilation fans, HVAC fire alarm/ suppression/ protection, slurry wall top-down construction, settlement monitoring, building protection, PA, 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
- Continue with Cross Over Cavern excavation of Left and Right Side Drifts

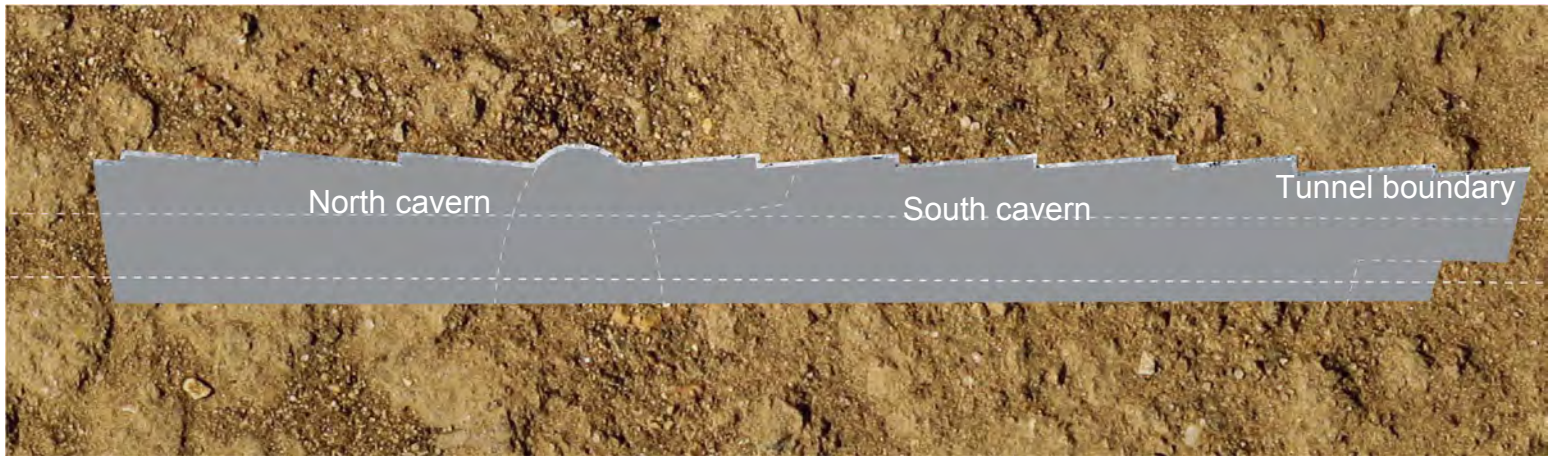
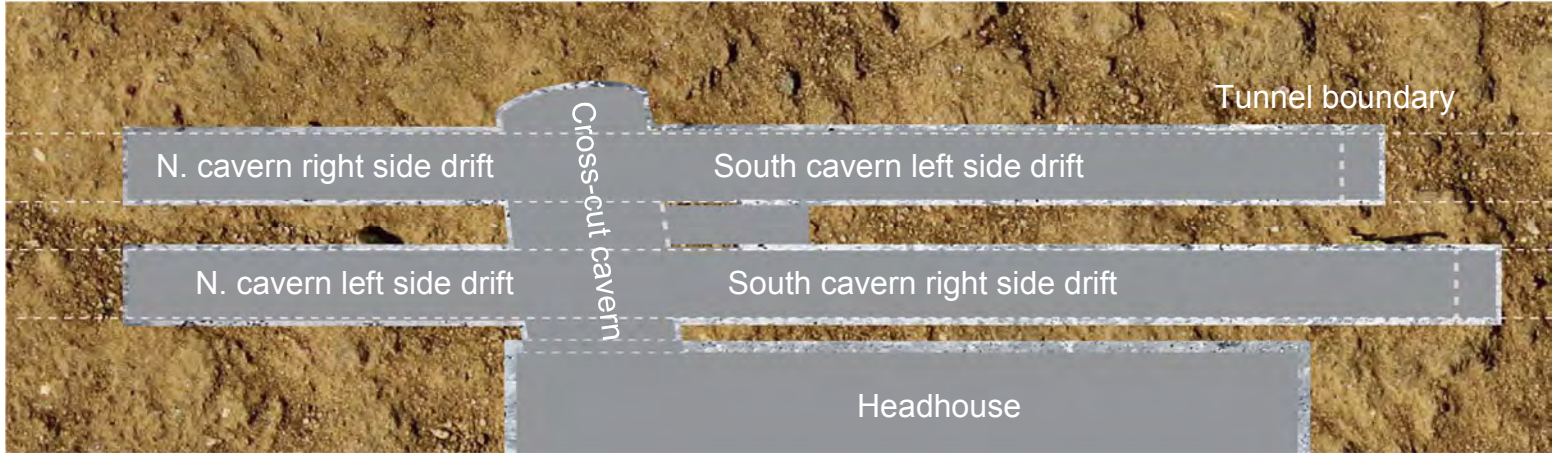
Station Excavation and Construction Progress Section



Station Cavern Excavation Progress Plan and Section

North

South

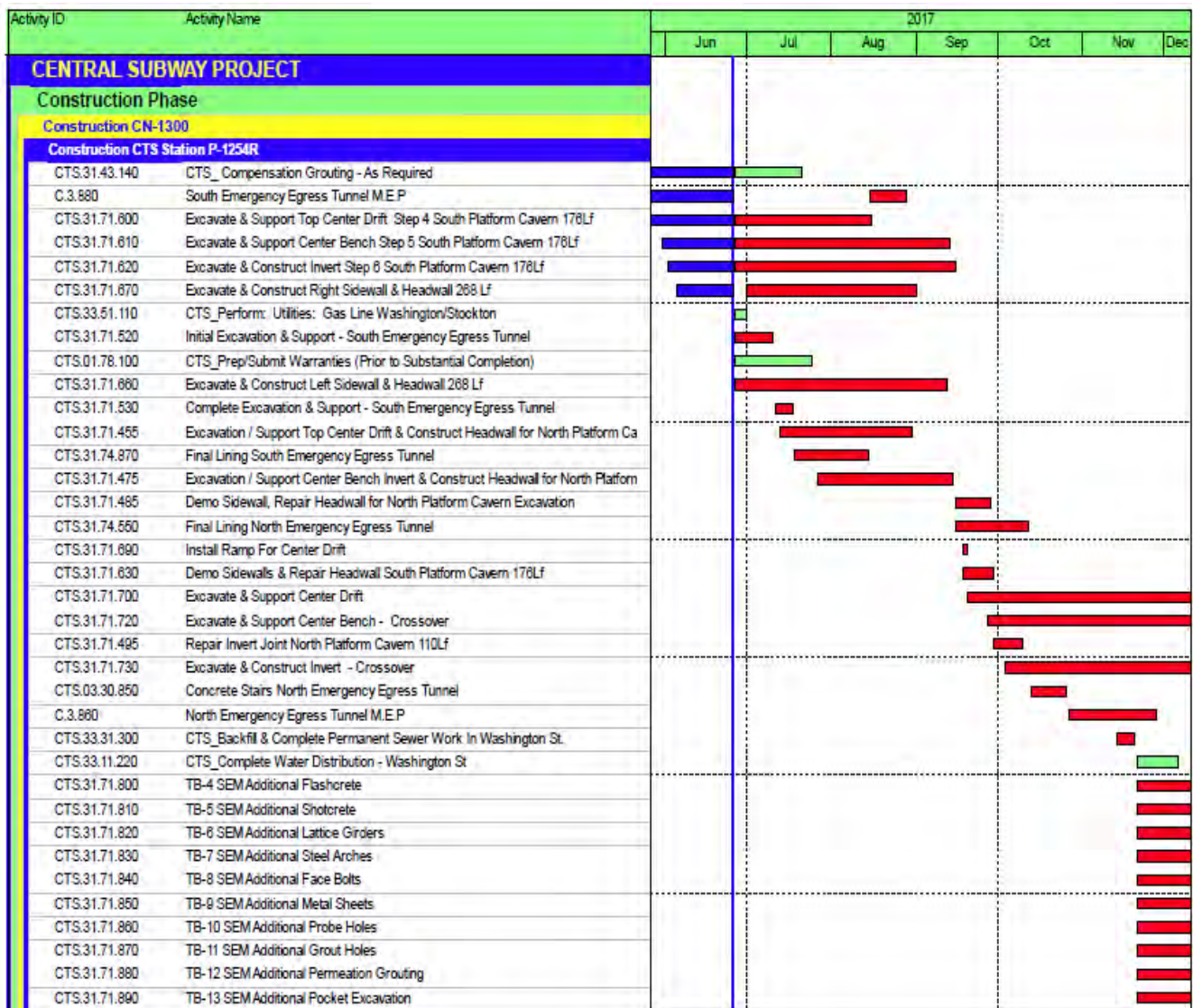


Chinatown Station Construction Status - Continued

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	\$140,083,547

CTS Three Month Schedule



Union Square/Market Street Station

Contract 1300 Work Package 1253

Description of Work

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

Current Status This Month

- Platform Station: Temporary Strut Level 3 to invert: Completed removal of tunnel segments, continued excavation, chipping piles, installation of wales, struts, nelson studs, benches and starpacks. Installed mesh/drain pipe and placed shotcrete to walls. Emergency exit stairs 3 and 4: Repaired piles
- North Concourse: Commenced placing rebar for fan level HVAC duct invert and walls
- North Entrance: Continued concourse level steel erection and rough-in HVAC and Mechanical/Electrical/Plumbing MEP. At street level, backfilled PG&E conduits on north side of Geary Street
- South Concourse: Placed base and mud mat for Escalator Ramp. Placed initial shotcrete to East and West Wall of escalator ramp
- Ellis Street: Completed Market/Ellis tie into 8" water main

Work Expected Next Month

- Platform Station: Complete excavation, installation of temporary excavation support. Continue installation of mesh, drain pipe, and shotcrete. Form and pour invert slabs. Complete pile repairs at emergency exit stairs 3 and 4 and install waterproofing
- North Concourse: Construct HVAC duct walls, commence fan level invert slab
- South Concourse: Continue waterproofing



to slab and walls of escalator ramp. Pour protection mat and place rebar to base slab. Install waterproofing and place rebar to exterior walls

- Ellis Street: Complete roadway utility installations. Complete backfill and permanent surface restoration

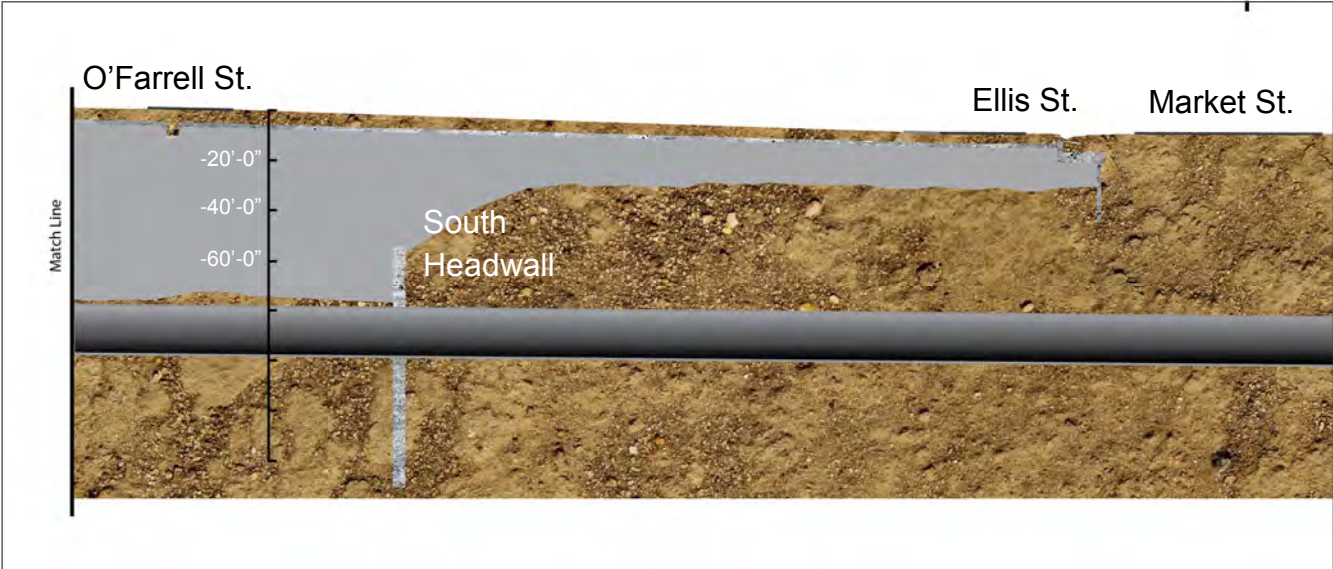
Three Month Look Ahead

- Platform Station: Complete invert and platform pours. Repair piles and continue construction of Emergency Egress Stairs 3 and 4 on O'Farrell
- North Concourse: Continue construction of fan level trench along gridline 17 up to concourse level. Pre-stress north concourse struts
- North Entrance: Continue construction of planters at street level, complete secondary steel to north entrance structure
- South Concourse: Complete construction of Escalator Ramp. Continue south concourse concrete wall installation

Station Excavation and Construction Progress Section

North

South



Union Square Market Street Station Construction - Continued

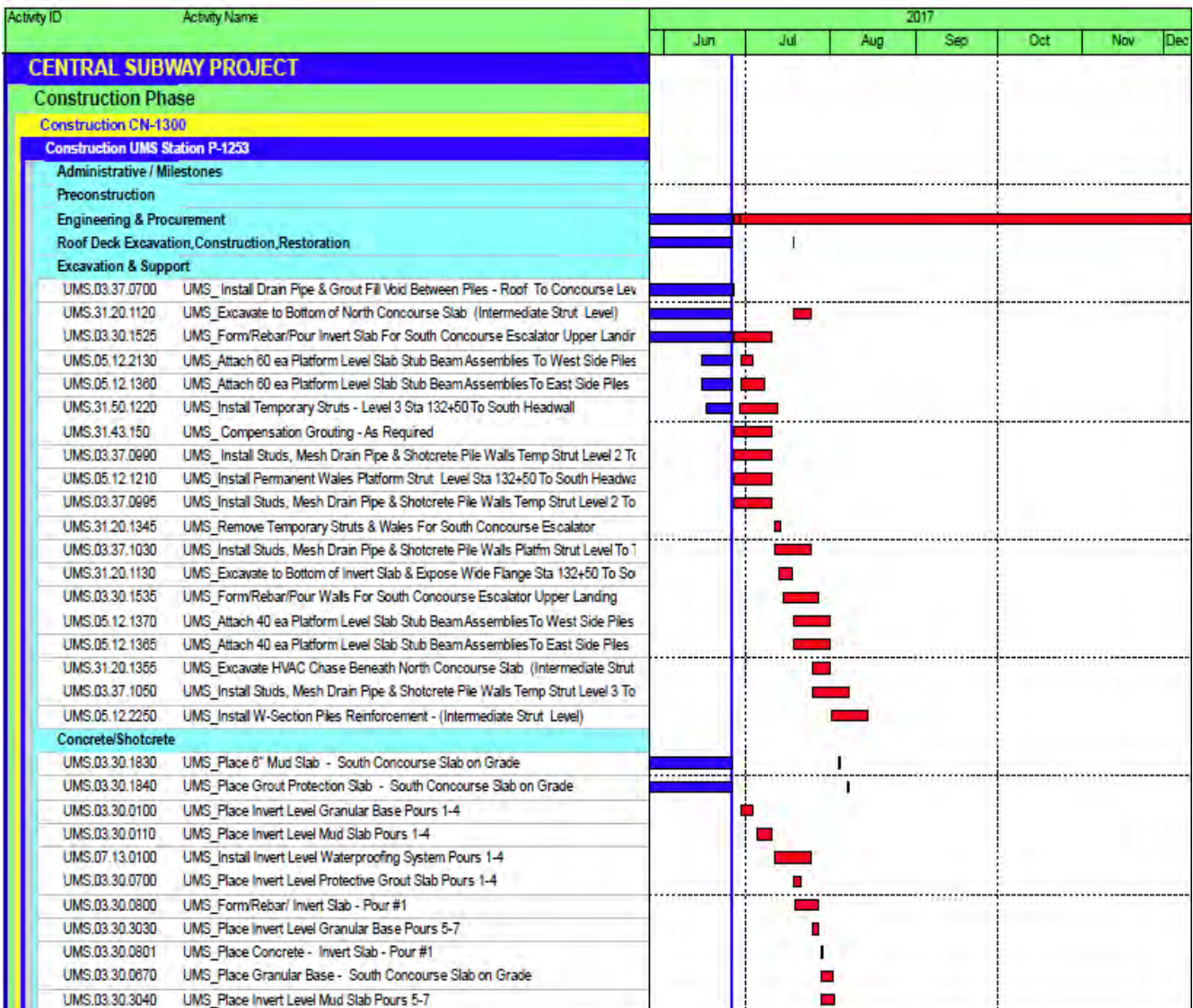
Contract Details

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:	\$2,353,534
Current Contract Value:	\$296,384,124

Budget/Expenditures ▲

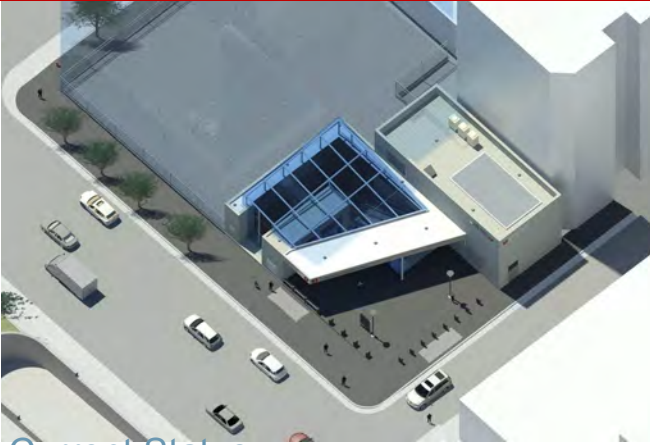
Current Budget	\$314,030,590
Expenditures to Date	\$199,282,467

UMS Three Month Schedule



Yerba Buena/Moscone Station

Contract 1300 - Work Package 1255



Current Status

- Continued to replace the force main and AWSS at 4th & Howard during the night
- Continued to investigate utility conflicts for 36" force main at Howard
- Continued to install metal stairs at Stair 1 and Stair 4
- Continued pyrok plaster on Mezzanine and Concourse Level – Station Box
- Continued electrical rough-in on Mezzanine – Station Box
- Continued fire sprinkler piping rough-in on Concourse Level – Station Box
- Completed CMU wall supports Concourse Level – Station Box
- Started to install Stair 1 at Platform Level – Station Box
- Started to form Platform walls – Station Box
- Completed removal of struts and walers at Invert Level – Station Box and Headhouse
- Chipped slurry walls and drill and epoxy slurry wall rebar dowels for shotcrete walls – Station Box Invert Level
- Poured Columns C1, C2, C3, C4, C5, C6, C7, C11, C12
- Placed shotcrete leveling course – Headhouse Invert

Work Expected Next Month

- Continue pyrok plaster on Mezzanine and Concourse Level – Station Box
- Continue electrical rough-in on Mezzanine – Station Box
- Pour topping slab 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
- Start sidewalk and pavement replacement work on Clementina
- Continue utility work at intersection of 4th & Folsom
- Continue utility work at intersection of 4th & Howard
- Continue installation of Station Box Platform walls
- Continue drill and epoxy dowels for shotcrete walls in Invert – Station Box
- Start Stair 4 shoring and excavation
- Install Stair 1 and 4 at Platform Level – Station Box
- Pour Platform Walls – Station Box
- Install fire sprinkler main above ceiling – Invert Level Station Box
- Build and place curbs at A Line – Station Box
- Shotcrete 12" walls – Headhouse
- Pour Stair 5 and 6 walls – Headhouse
- Pour Elevator 3 and 4 walls - Headhouse

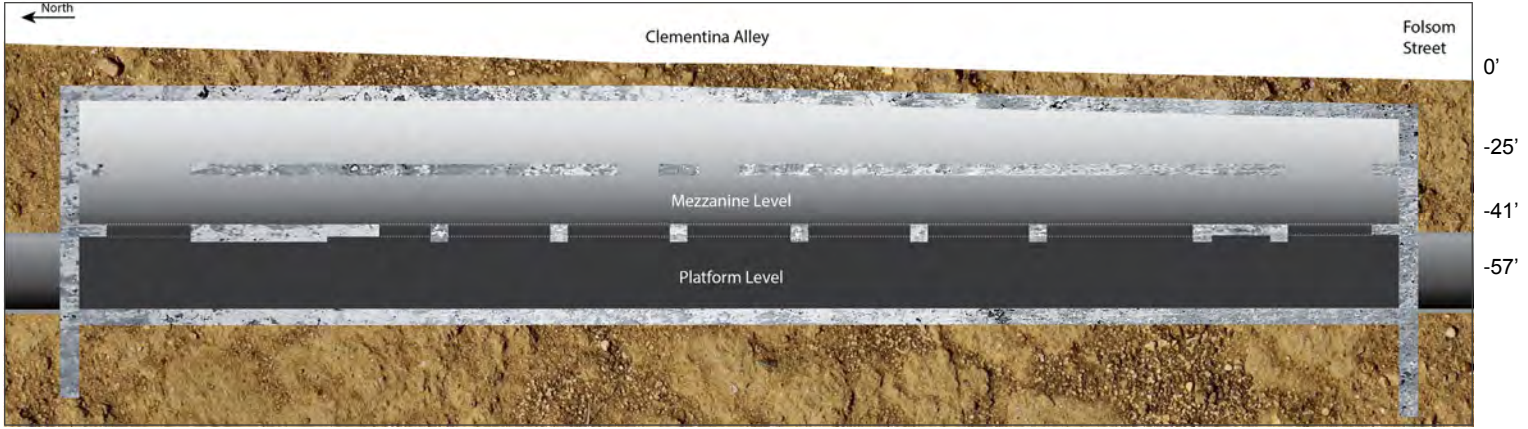
Three Month Look Ahead

- 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

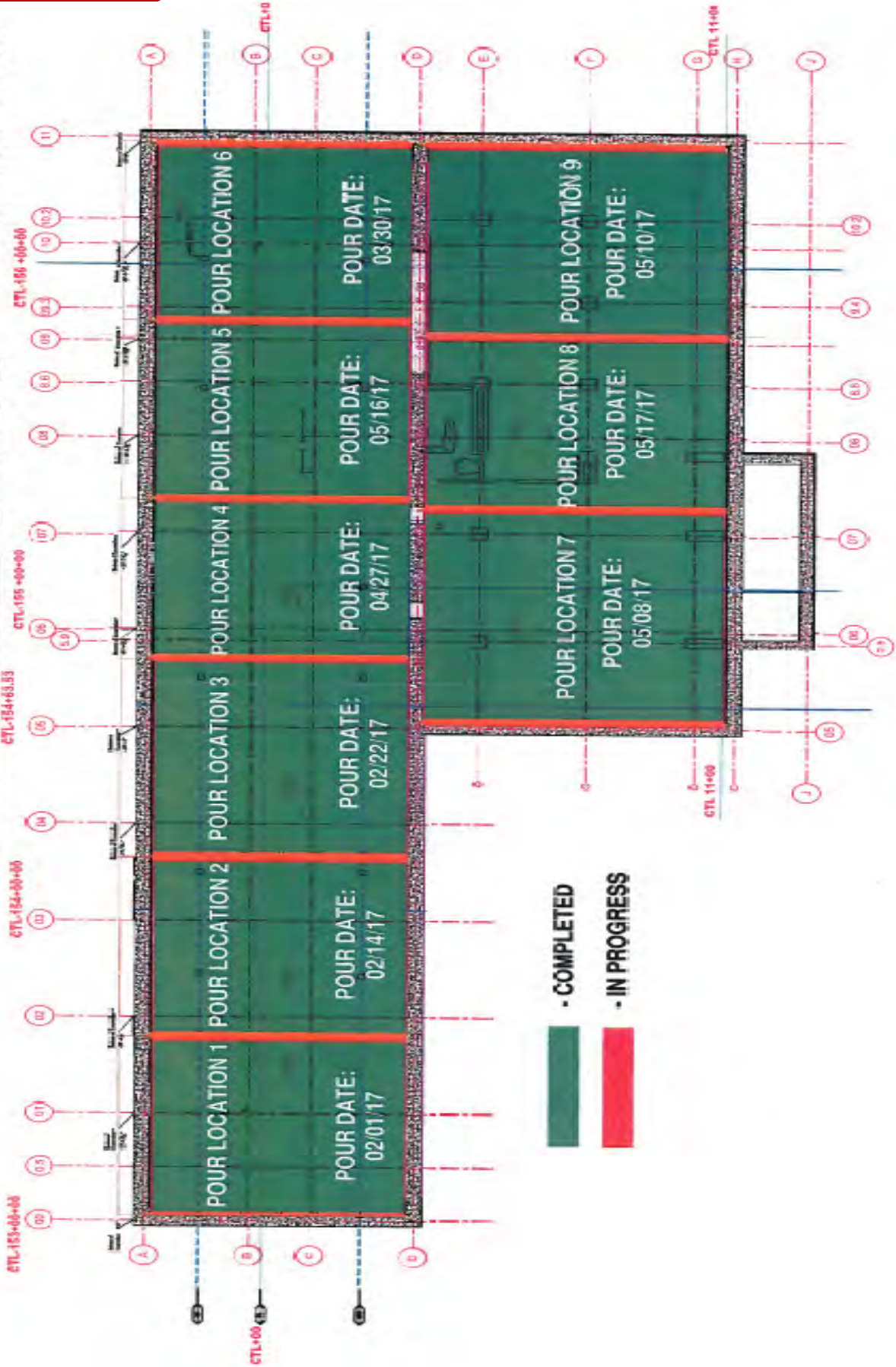
4th St.

East

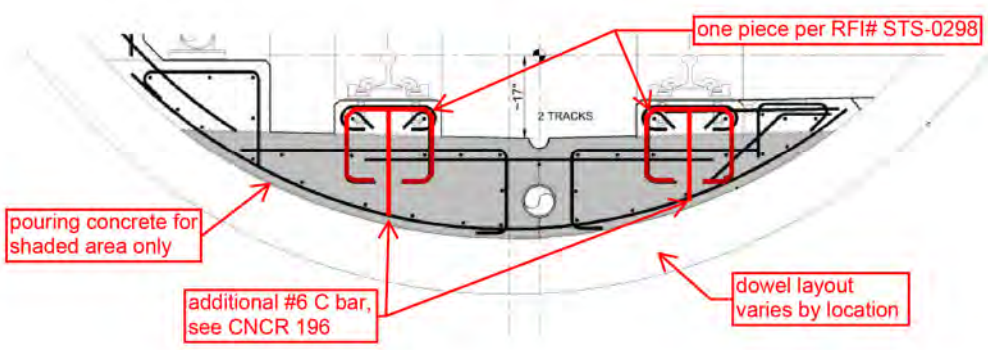
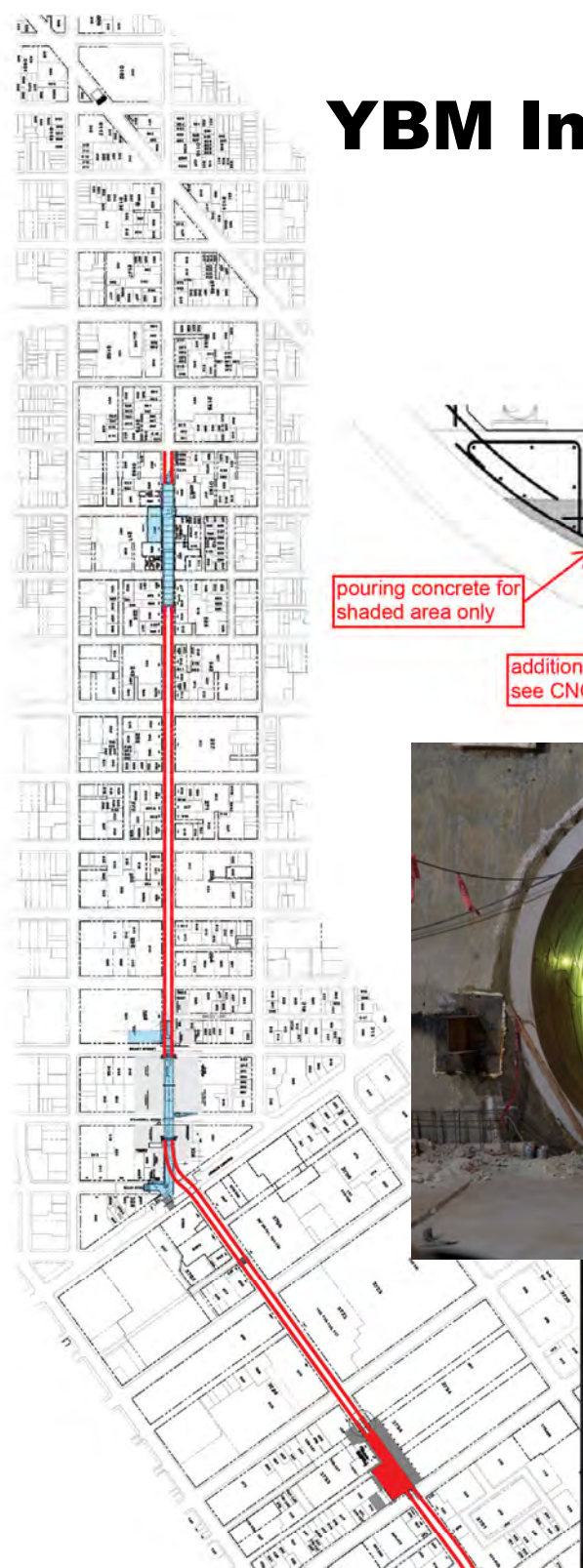


YBM Invert Level Pour Sequence

Updated On: 05/24/2017



YBM Invert Slab Progress



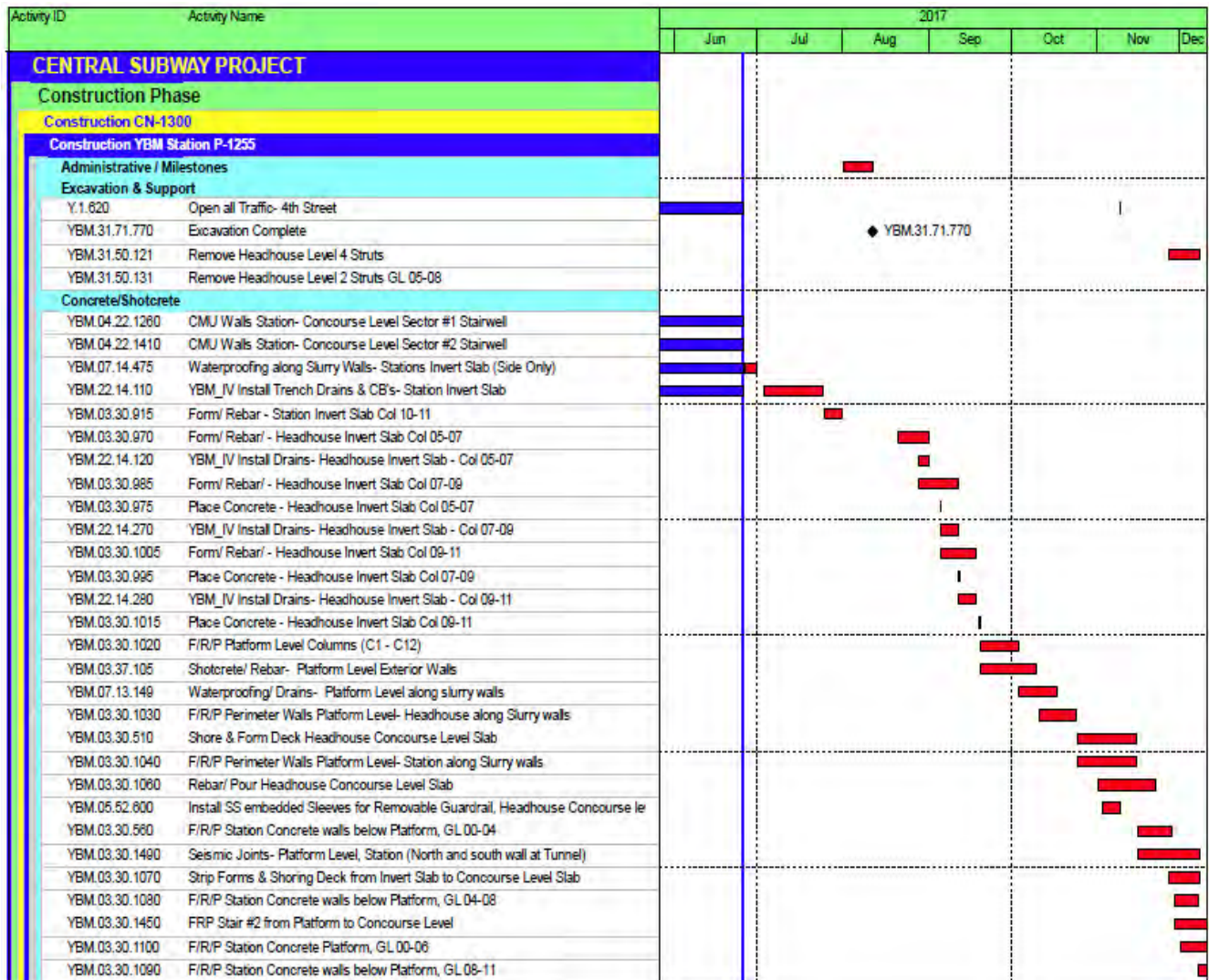
Total length for both tunnels is approx. 10,240 feet.
Measured progress is combined for both tunnels.
Red—100% complete; 10,240 feet

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:	\$309,825
Current Contract Value:	\$158,398,825

Budget/Expenditures ▲	
Current Budget	\$163,089,000
Other Project Offset Credits	\$415,331
Expenditures to Date	\$104,804,423

YBM Three Month Schedule



Systems, Trackwork, & Surface Station

Contract 1300 - Work Package 1256

Description of Work

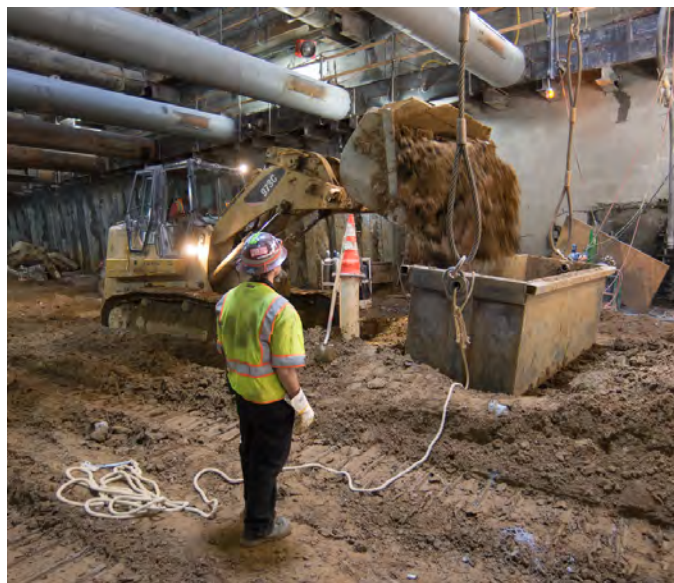
This Work Package is to construct one Surface Station. Includes light rail track and systems, track invert, track safety walkways; light rail track and systems constructed on the 2,000 foot surface for the alignment from the tunnel portal, south to the tie-in to the existing Muni T-Line at Fourth and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

Current Status

- Completed 48" sewer installation at 4th/ Bryant intersection
- Completed 10" force main at 4th/Brannan
- Continued 12" AWSS lateral installation on 4th/Brannan intersection
- Completed domestic water relocation at 4th/Townsend, 4th/Brannan and 4th/Welsh
- Continued 36" sewer force main at 4th/ Bryant
- Continued OCS pole installation
- Completed all invert work in the tunnel
- Continued track plinth construction and track installation inside tunnels
- Continued pavement renovation along 4th Street

Work Expected Next Month

- Continue 36" sewer force main installation
- Continue 18" AWSS installation
- Continue MRY ductbank installation
- Continue OCS pole installation
- Continue domestic water relocation
- Continue AWSS installation
- Continue pavement renovation
- Continue Rail installation in Tunnel



Three Month Look Ahead

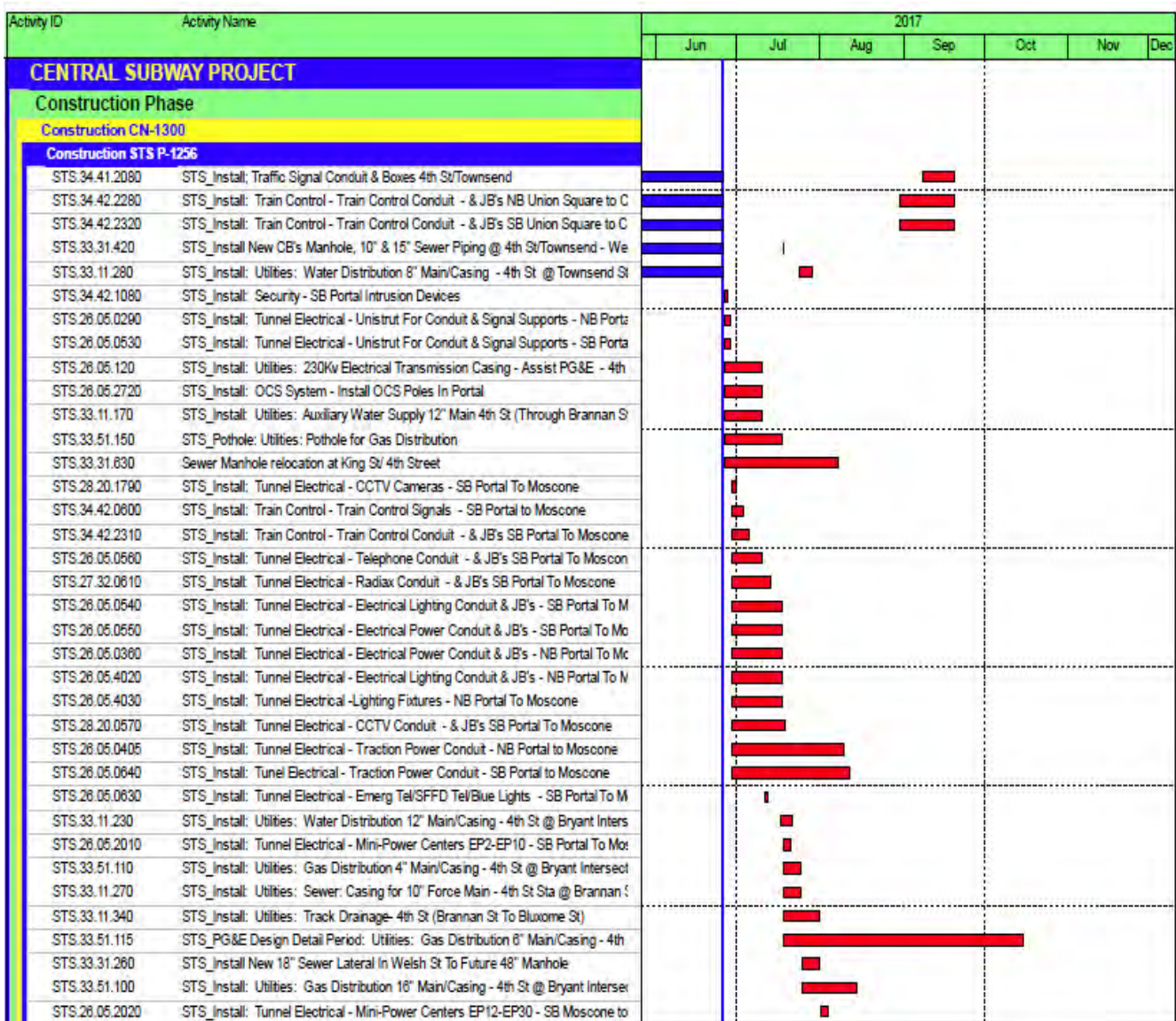
- Continue waterline installation
- Continue AWSS installation
- Continue MRY ductbank installation
- Continue 36" sewer force main installation
- Continue OCS pole installation
- Continue permanent pavement renovation
- Start surface track installation
- Continue plinth construction and track installation inside tunnels

Systems, Trackwork, & Surface Station Construction - Continued

Contract Details	
Contract Awarded:	May 21, 2013
Notice to Proceed:	June 17, 2013
Substantial Completion:	February 10, 2018
Contract Award Value:	\$139,989,000
Modifications to Date:	\$2,098,986
Current Contract Value:	\$142,087,986

Budget/Expenditures	
Current Budget	\$144,989,000
Other Project Offset Credits	\$2,632,766
Expenditures to Date	\$54,171,393

Systems, Track and Surface Station Three Month Schedule



Program Components

Community Outreach

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

- 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
- Posted newly designed banners in Chinatown Station construction area

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 SO-MA

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
6/22/2017	<u>New San Francisco Chamber of Commerce taskforce seeks to help alleviate congestion</u>	San Francisco Business	Antoinette Sui
6/22/2017	<u>San Francisco taps LEDs for brighter, cheaper street-lights</u>	SF Bay	Jerold Chinn

Quality Assurance

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

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

- UMS structural steel installation – Continued Inspection/acceptance/documentation by Smith Emery CWI's of all welds associated with the ongoing Installation of structural and excavation support steel
- STS invert and plinth concrete placements for track installation
- 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
- Meeting scheduled for early to mid July for TPC QC to demonstrate 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

Quality Assurance - Continued

will eventually clearly indicated 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)

- Contractor Non Conformance Reports (CNCR) Status as indicated in the TPC QC CNCR Log:
 - ◇ 11 (Same as last month) CNCRs are currently posted to the CNCR Log as INITIAL entries (C1300 is required to generate a CNCR within 24 hours of becoming aware of what appears to be non-conforming work)
 - ◇ 20 (-6 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)
 - ◇ 11 (+2 from last month) CNCRs are currently posted to the CNCR Log as DISPOSITIONED (NOT ACCEPTABLE) and have been returned to the Contractor because the RE's review of the Contractor's proposed disposition determined that the proposed disposition is not appropriate and must be revised)
 - ◇ 21 (same as 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
 - ◇ 197 (+11 from last month) CNCRs are currently posted to the CNCR Log as CLOSED
 - ◇ 39 (same as last month) CNCRs are currently posted to the CNCR Log as VOIDED (subsequent evaluation of the INITIAL CNCRs determined that a CNCR is not warranted)
 - ◇ 299 (same as last month) CNCRs are currently posted to the CNCR Log

QA Issues:

- The number of Notification of Non-Compliance (NCNs) written during June – which appears to be directly related to the previously identified QA Concern of technical discussions and resolution of issues being stymied by contractual bickering

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 continues; 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

- Quality Assurance Surveillance QAAS 080 posted to CM13 with satisfactory results regarding TPC material receipt



The northbound tunnel spans off into the distance, as seen from where it leaves the north end of the Union Square/Market Street Station.

Risk Management

Risk Mitigation Management Meeting No. 95 was held on June 8, 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 June, TPC and their subcontractors did not have any worker incidents for the month.

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 excavating the top center drift. Ventilation system has been installed and we will be watching this closely.
2. At the UMS station, work continues underground with excavation.
3. At the YBM station, struts and walers are continuing to be removed.
4. At the STS station, all invert work has been completed in the tunnel.

Program Safety & Security - continued

Project Safety Record - Contract 1300

SAFETY GOALS

Through Month End -June 2017

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

JOB TO DATE	Tutor	Subs	Total Project	Rate*
OSHA Recordable Accidents	5	1	6	0.51
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	0.60
Man Hours Worked Through M/E June 2017	1,077,967	1,266,098	2,344,065	

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 June 2017	172,436	173,479	345,915	

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

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

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

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

Technical Capacity

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



A bulldozer operator emerges from the arched cross-cut cavern, which will later become the entrance to the Chinatown station cavern from the station headhouse.

Staffing

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

	Apr-2017		May-2017		Jun-2017	
	Planned	Actual	Planned	Actual	Planned	Actual
Project Management						
Program Management	6.60	6.00	6.60	5.00	6.60	5.00
Quality Assurance	1.80	2.30	1.80	1.30	1.80	1.30
Contract Administration	1.40	1.40	1.40	7.40	1.40	9.40
Community Outreach	5.50	3.00	5.50	5.50	5.50	3.50
Finance	2.00	2.00	2.00	0.00	2.00	0.00
Project Controls	4.80	6.30	4.80	2.80	4.80	2.80
Subtotal	22.10	21.00	22.10	22.00	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	25.50	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	10.70	12.40	11.70
Subtotal	42.38	43.38	42.38	36.20	42.38	37.20
Start Up						
Start Up / Safety & Security	2.00	2.10	2.00	1.20	5.95	1.20
Subtotal	2.00	2.10	2.00	1.20	5.95	1.20
Total	66.48	66.48	66.48	59.40	70.43	60.40

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.

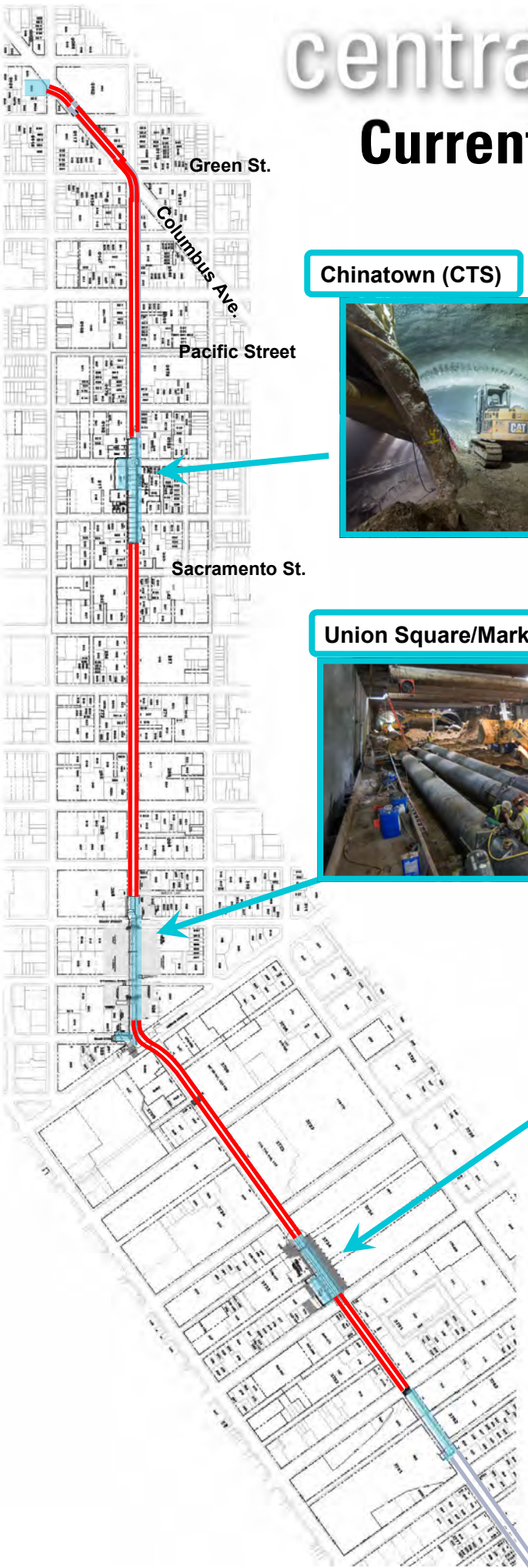
Production of the first 20 cars continues. The fourth car 2005 was delivered to SFMTA June 1st, 2017, ahead of schedule. Brake and propulsion tests are now complete. Mainline and yard qualification testing train control, and communications system testing are underway. Preparations are underway the ground borne vibration testing scheduled for next month. Preliminary maintenance training was conducted in June and will continue in July. Final assembly and testing of Cars 2006 is in progress and scheduled for delivery in July.”



Upgraded high-pressure water pipes and valves wait for inspection 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)





An excavator fitted with shotcrete spraying machinery sits inside the top header of the south platform cavern, which is currently being excavated.



A crew conducts maintenance on a drill rig used to reinforce the ceiling arch of the platform cavern.



Bulldozers remove excavated material from inside the south platform cavern, and ferry it to collection areas inside the headhouse where it is sorted before removal to the surface.



A shotcrete sprayer operator reinforces a small section of wall at the entrance to the right side drift of the south platform cavern.



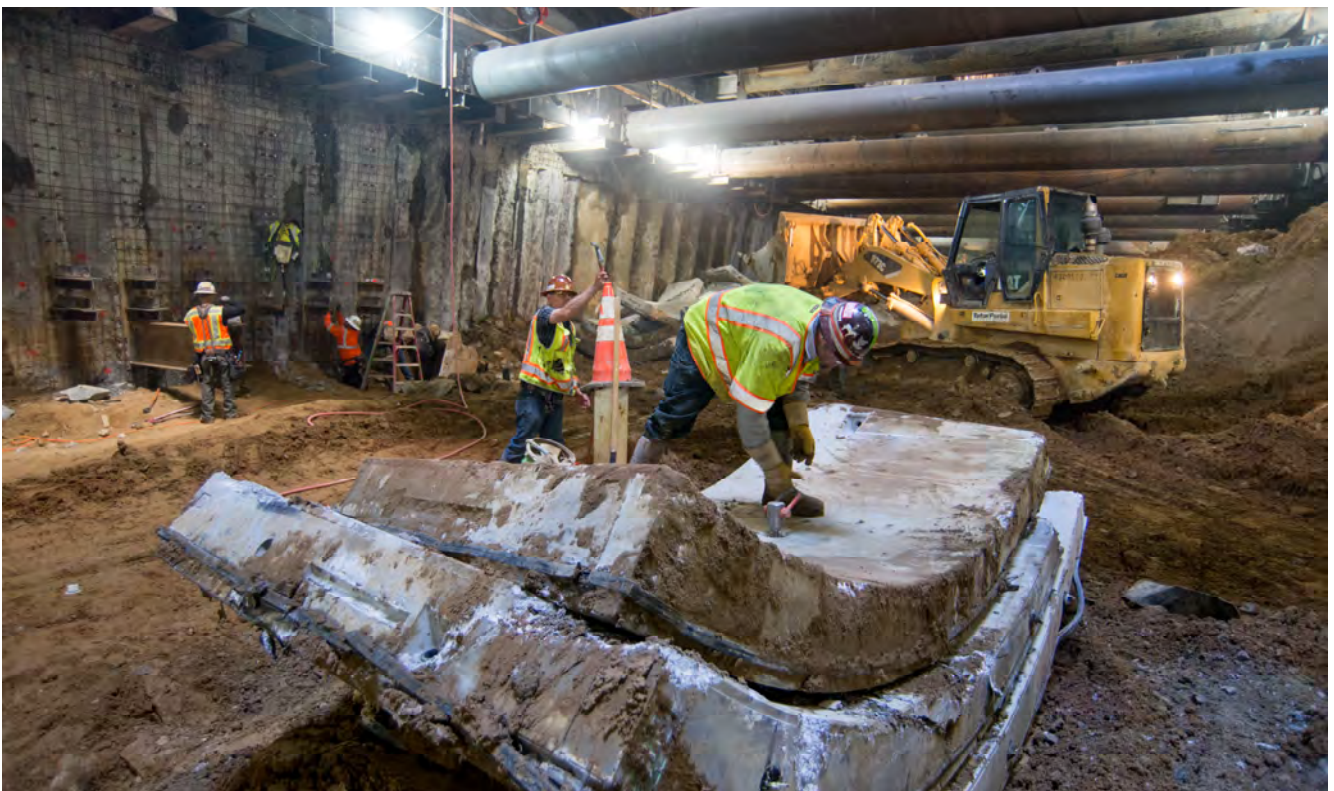
A worker cleans up the steel surface of a vertical reinforcing beam at the southeast corner of the station box, where the northbound tunnel opens into the future platform area.



Utility boxes and OCS poles have been installed at the southwest corner of Stockton and Ellis, where street restoration work is underway.



Large steel tubes called struts wait to be installed along the east wall of the station box, while removal of tunnel lining segments and excavation work continues just to the south.



Sections of tunnel from inside the station box are removed in sections, lifted to the surface through access portals in the roof deck.



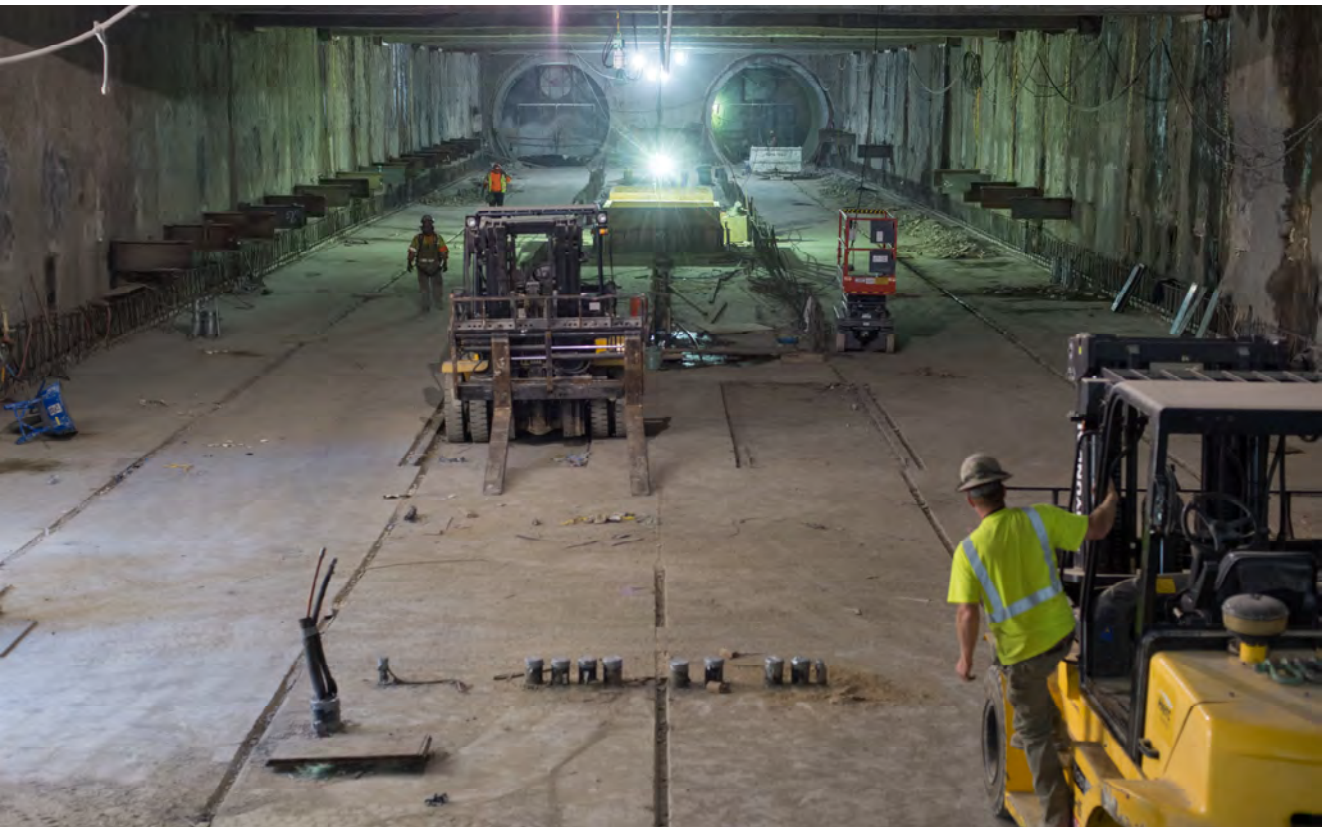
Large concrete forms are carefully leveled and reinforced as part of vertical column construction inside the station headhouse.



Sparks fly as a worker uses a cutting torch to separate massive steel I-beams which were used as part of temporary reinforcing inside the headhouse.



Plastic sheeting masks off areas where soundproofing material is being sprayed to walls and ceilings inside the station box.



Only a few brackets remain of temporary reinforcing steel inside the platform level of the station box, where construction of the platform will soon begin.



A large excavator stands north of Welsh on 4th, helping to grade the road bed ahead of street restoration work.



A worker cuts a section of vertical pipe to length, to match it with the level of the future paved roadway.



Seemingly endless rows of conduits and other utility works cross atop each other in the sidewalk area on the east side of 4th north of Brannan.



A crew smooths fresh concrete, poured on top of recently-upgraded and relocated utilities under the sidewalk north of Brannan.

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 \$1,081.53 million, a \$11.12 million increase over last month. The cost to date figure reflects expenditures through FAMIS 786 Report (\$1,041.98 million) plus the utilities joint trench Form B Reimbursement payment (\$11.24 million), invoices currently being processed (\$24.85 million) and estimates of outstanding pay requests (\$3.48 million). This incurred amount equals 68.52% 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	CONTRACT	PP NO	PP PERIOD TO	PROG PYMT AMOUNT
CS155.1	66	8/31/2015	\$ 3,005.81	CS155.3	84	3/31/2017	\$ 77,875.07
CS155.1	67	10/31/2015	\$ 8,911.13	CS155.3	85	4/30/2017	\$ 33,071.54
CS155.1	68	12/31/2015	\$ 11,915.91	CS155.3*	86	5/31/2017	\$ 65,000.00
CS155.1*	69	3/31/2016	\$ 13,280.00	CS155.3*	87	6/30/2017	\$ 65,000.00
CS155.1*	70	6/30/2016	\$ 24,327.00	CN 1300	41	5/31/2017	\$ 10,354,787.00
CS155.1*	71	9/30/2016	\$ 65,000.00	CN 1300	42	6/30/2017	\$ 9,123,907.00
CS155.1*	72	12/30/2016	\$ 50,000.00	CS149	96	12/31/2016	\$ 646,895.15
CS155.1*	73	3/31/2017	\$ 35,282.00	CS149	97	1/31/2017	\$ 483,899.31
CS155.2	82	12/31/2016	\$ 428,924.91	CS149	98	2/28/2017	\$ 509,322.00
CS155.2	83	1/31/2017	\$ 370,766.70	CS149	99	3/31/2017	\$ 630,228.76
CS155.2	84	2/28/2017	\$ 417,473.07	CS149	100	4/30/2017	\$ 460,127.59
CS155.2	85	3/31/2017	\$ 521,835.71	CS149*	101	5/31/2017	\$ 460,000.00
CS155.2*	86	4/30/2017	\$ 550,000.00	CS149*	102	6/30/2017	\$ 460,000.00
CS155.2*	87	5/31/2017	\$ 550,000.00	CS156	73	12/31/2016	\$ 64,250.61
CS155.2*	88	6/30/2017	\$ 550,000.00	CS156	74	1/31/2017	\$ 40,466.35
CS155.3	78	9/30/2016	\$ 115,190.05	CS156	75	2/28/2017	\$ 39,626.86
CS155.3	79	10/31/2016	\$ 74,598.61	CS156*	76	3/31/2017	\$ 49,354.34
CS155.3	80	11/30/2016	\$ 81,225.77	CS156*	77	4/30/2017	\$ 39,687.22
CS155.3	81	12/31/2016	\$ 102,053.91	CS156*	78	5/31/2017	\$ 32,059.60
CS155.3	82	1/31/2017	\$ 70,096.88	CS156*	79	6/30/2017	\$ 30,000.00
CS155.3	83	2/28/2017	\$ 61,878.88	other accruals*		6/30/2017	\$ 566,881.14

* Estimated Amount \$ 28,338,205.88

2. CONTINGENCY ALLOCATIONS AND USAGE

The current Total Project Contingency is **\$74.45 million**, which is a \$14.45 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 five contract modifications in the amount of \$480,878. Refer to Report 7.5 for approved contract modifications and potential changes.

3. BUDGET TRANSFERS

Contract 1300 Station processed five contract modifications in the amount of \$480,878; three contract modifications in the amount of \$384,362 in SCC 40 category and one contract modification in the amount of \$96,516 in SCC 50. 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 June 2017 Report, the Preliminary Earned Value Analysis reports is based on the SFMTA June Schedule Update. The Planned Value, Earned Value, Actual Cost, Percent Complete and resulting indexes as follows:

Preliminary June Earned Value

Overall Budgeted Cost:	\$1,578,300,000
Planned Value:	\$1,420,728,126
Earned Value:	\$1,094,163,514
Actual Cost:	\$1,081,527,628
Schedule Performance Index (SPI):	0.77
Cost Performance Index (CPI):	1.01
Percent Complete:	69.3%

Activity ID	Activity Name	Start	Finish	Performance % Complete	Budgeted Total Cost	Planned Value Cost (PV)	Earned Value Cost (EV)	Actual Total Cost (AC)	CPI	SPI
CENTRAL SUBWAY PROJECT										
		03-Jun-03A	14-Dec-21	69.25%	\$1,578,300,043.08	\$1,420,728,126.11	\$1,094,163,514.26	\$1,081,527,628.15	1.01	0.77
	Preliminary Engineering Phase	03-Jun-03A	07-Jan-10A	100%	\$46,542,061.34	\$46,542,061.02	\$46,542,061.02	\$46,542,060.53	1.00	1.00
	Final Design	08-Jan-10A	17-Jun-13A	100%	\$115,075,987.10	\$115,075,987.06	\$115,075,987.06	\$113,950,952.17	1.01	1.00
	Light Rail Vehicles	15-Apr-13A	22-Jul-19	8.25%	\$26,385,663.00	\$26,385,663.00	\$2,177,131.58	\$2,147,782.08	1.01	0.08
	Real Estate	01-Aug-08A	26-Jun-17	82.4%	\$32,140,417.71	\$37,391,033.11	\$30,822,332.40	\$30,625,616.53	1.01	0.82
	Construction Phase	03-Jan-10A	20-Jul-20	66.89%	\$1,349,275,521.93	\$1,195,333,391.91	\$899,546,002.20	\$888,261,216.84	1.01	0.75
	Construction Support and Costs	03-Jan-10A	20-Jul-20	58.54%	\$200,922,949.93	\$120,191,391.39	\$117,008,271.92	\$123,642,333.03	0.95	0.97
	Construction Utility Contract #1- MGS & Portal CN-1250	04-Jan-10A	23-May-11A	100%	\$11,968,160.00	\$11,968,160.00	\$11,968,160.00	\$11,968,160.00	1.00	1.00
	Construction Utility Contract #2 - JMS CN-1251	12-Jan-11A	15-Oct-12A	100%	\$20,794,582.00	\$20,794,582.00	\$20,794,582.00	\$20,794,582.00	1.00	1.00
	Construction Tunnels CN-1252	08-Jun-11A	26-Jun-17	99.44%	\$235,913,540.00	\$251,068,967.23	\$249,672,040.28	\$233,589,321.81	1.07	0.99
	Construction CN-1300	03-Jun-13A	24-Sep-19	58.09%	\$879,676,400.00	\$791,310,301.30	\$500,102,958.00	\$498,266,830.00	1.00	0.63
	Unallocated Contingency	26-Jun-19	10-Dec-19	0%	\$8,880,402.00	\$0.00	\$0.00	\$0.00	0.00	0.00
	Project Management	10-Dec-19	14-Dec-21	0%	\$0.00	\$0.00	\$0.00	\$0.00	0.00	0.00

Earned Value Analysis and Definitions

SPI is a measure of schedule efficiency on a project. It is the ratio of earned value (EV) to planned value (PV). A SPI equal to or greater than one indicates more work was completed than planned and a value of less than one indicates less work was completed than planned. A value of less than 0.9 is unfavorable.

CPI is a measure of cost efficiency on a project. It is the ratio of earned value (EV) to actual cost value (AC). A CPI equal to or greater than one indicates a cost under run and a value of less than one indicates a cost overrun. A value of less than 0.9 is unfavorable.

The following earning rules are established for each of the phase:

Cost Element Group	Planned Value (Primavera)	Earned Value (Primavera)	Actual Cost (SFMTA Cost Accounting (SAP))
Prelim. Engineering	Expenditure Plan Level of Effort (LOE)	Equals to Planned Value (LOE)	Time Keeping; Vendor Accruals and Invoices
Final Design	Expenditure Plan Level of Effort (LOE)	Equals to Planned Value (LOE)	Time Keeping; Vendor Accruals and Invoices
Procurement	Planned Delivery Date	Actual Delivery Date	Time Keeping; Vendor Accruals and Invoices
Real Estate	Expenditure Plan Level of Effort (LOE)	Equals to Planned Value (LOE)	Time Keeping; Vendor/ Material Accruals and Invoices
Construction	Schedule of Work	% Complete* x Budget at Completion (BAC)	Vendor Accruals and Invoices
Sub-Total	Performance Measurement Baseline (PMB)	Total Earned Value	Total Actual Cost
Below the Line	+ Contingency		
Total	Approved Budget		

6. FUNDING SUMMARY

The Funding Available Table below shows the total awarded funds to date vs. the total committed funds from the Project’s seven funding sources.

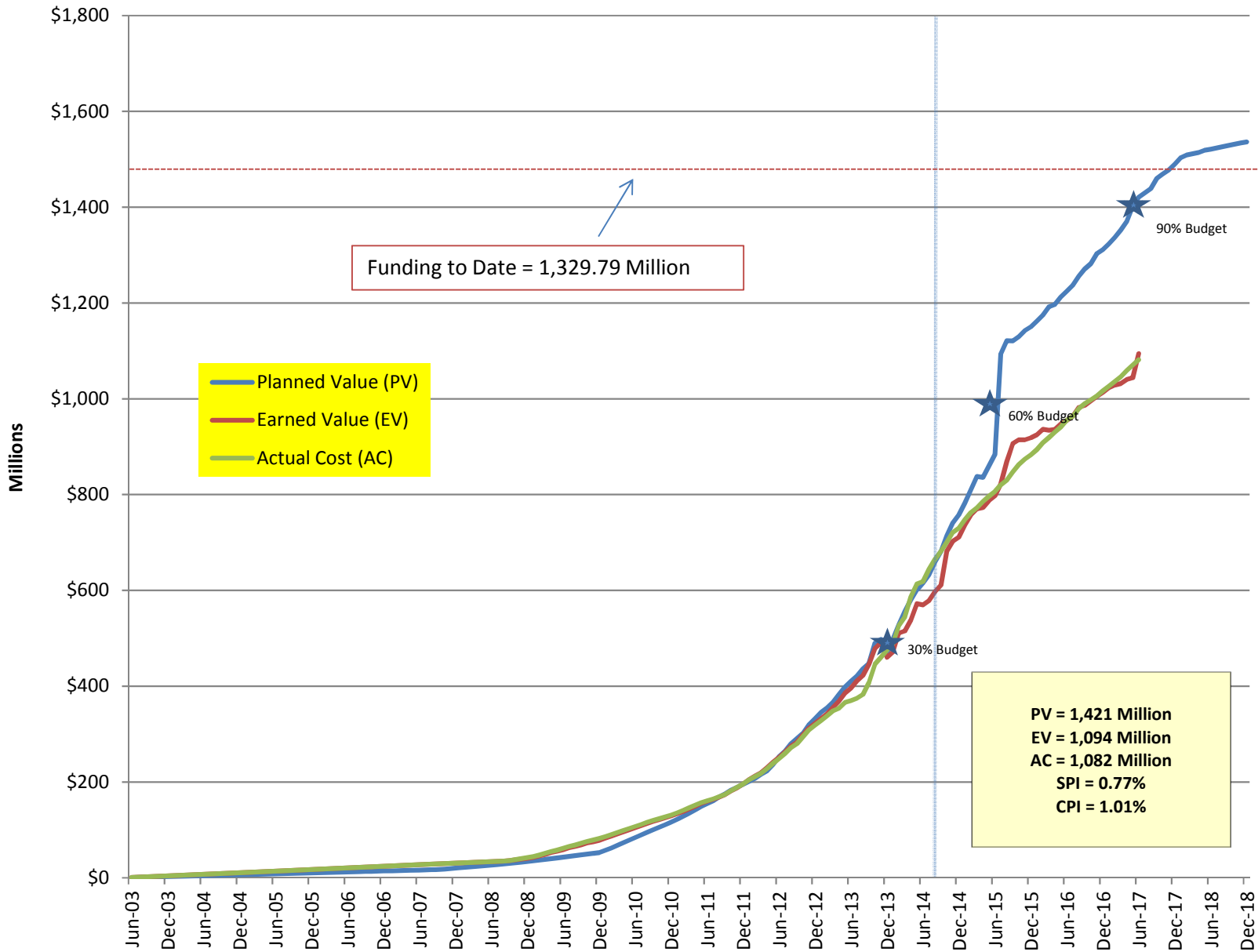
Funding Available Table		
	Funding	
	Committed Funding Sources	Total Awarded Funds to Date
Federal		
Sect. 5309-NS	\$942,200	\$769,196
CMAQ	\$41,025	\$41,025
Federal Subtotal	\$983,225	\$810,221
State		
TCRP	\$14,000	\$14,000
State RIP	\$88,000	\$12,498
Prop. 1B (I-Bond) PTIMSE	\$307,792	\$307,792
Prop. 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/Magyar	MTA Operating Funds	no	2
3	CPT718 Chinatown Metro Plaza	\$6,980,000	J. Funghi	Transbay Redevelopment	no	3
4	CPT665 Central Subway Project - Goodwill	\$2,367,750	K. Magyar	I-Bond Interest	no	4
5	CPT705 MOH - Broadway/Sansome	\$8,000,000	K. Magyar	MTA Operating Funds	no	5
Total:		\$27,047,750				
C. Central Subway Project - Project Offset Credits						
	From	Amount	Index	Notes	Reporting	
1	2009-2016 Utility Co. - Form B Reimbursement	\$12,227,954	--	Construction contracts	yes	6
2	2017-2019 PG&E - Power Feed Reimbursement	\$7,624,540	--	Not yet bill PG&E	yes	7
3	6/26/2013 BART Elevator	\$90,000	68CPT544135B	Not yet rec'd BART Funds	yes	8
4	11/6/2013 Tutor Perini - CAD Files	\$2,500	68CPT5441236	Deposit to Design Index	yes	9
5	1/27/2014 SFPUC - Sewer Main	\$2,925,296	68W251	Certified in Contract 1300	yes	10
6	8/27/2014 SFMTA Traffic Effectiveness Project funded	\$694,651	68W324/686D42	Contract 1252 CMod #40	yes	11
7	9/27/2014 SFPUC - 24" Water Main	\$328,857	68CPT544135A	Contract 1252 CMod #41	yes	12
8	2/15/2015 Chinatown Plaza Construction Estimate	\$75,000	68CPT7181341	Contract 1300 CMod #6	yes	13
9	3/27/2015 SFPUC - 24" Water Main Additional Work	\$112,102	68W409	Contract 1252 CMod #48	yes	14
10	3/15/2016 Support for North Beach Restoration, OCS and Streetlighting	\$155,468	68T7373342D2/D3	Contract 1252 CMod #51	yes	15
11	6/27/2016 DPW - MOU for Water Line above YBM Station	\$438,218	68W592	Contract 1300 CMod #20	yes	16
Total:		\$24,674,586				

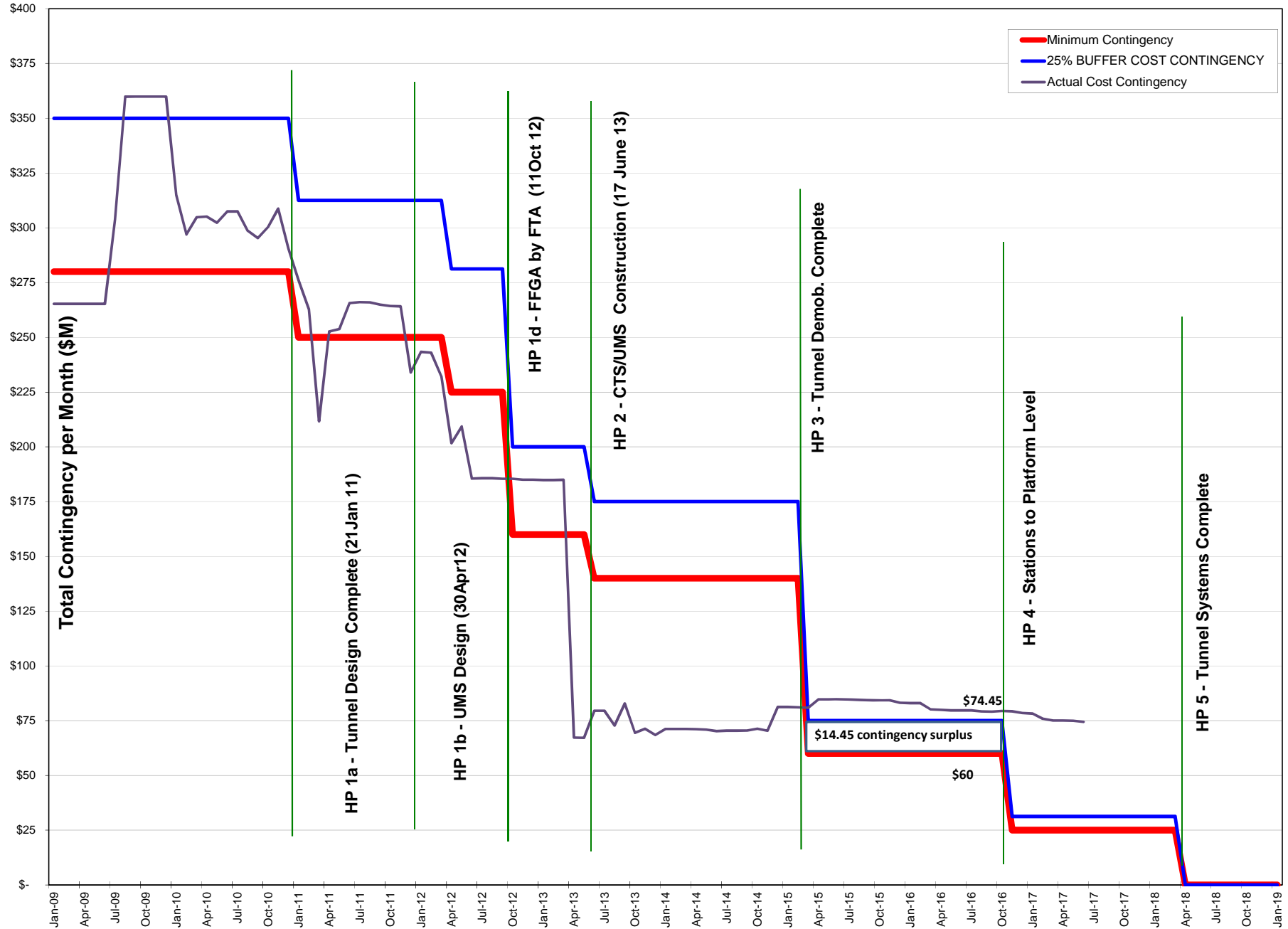
Earned Value Cash Flow Curve



Funding to Date = 1,329.79 Million

PV = 1,421 Million
 EV = 1,094 Million
 AC = 1,082 Million
 SPI = 0.777
 CPI = 1.01

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	7,726,806	847,403,206	30,540,258	877,943,464	20,000,000	20,000,000	40,000,000	32,273,194	1,732,936	879,676,400	1,732,936	20
	1253 UNION SQUARE/MARKET ST STATION [JMS]	294,030,590	2,353,534	296,384,124	14,445,454	310,829,578	5,000,000	15,000,000	20,000,000	17,646,466	3,201,012	314,030,590	3,201,012	
	1254 CHINA TOWN STATION [CTS]	247,567,810	2,964,460	250,532,270	7,700,502	258,232,772	5,000,000	5,000,000	10,000,000	7,035,540	(664,962)	257,567,810	(664,962)	21
	1255 YERBA BUENA/ MOSCONE STATION [YBM]	158,089,000	309,825	158,398,825	2,860,240	161,259,065	5,000,000	5,000,000	5,000,000	4,690,175	1,829,935	163,089,000	1,829,935	
	1256 SURFACE TRACKWORK & SYSTEMS [STS]	139,989,000	2,098,986	142,087,986	5,534,062	147,622,048	5,000,000	5,000,000	5,000,000	2,901,014	(2,633,048)	144,989,000	(2,633,048)	
OTHER		31,233,501		31,233,501	0	31,233,501	1,160,000	1,060,000	2,220,000	1,160,000	1,160,000	33,453,501	1,160,000	XX
SCC 10 - 50 Construction Sub-total		1,130,842,776	15,877,818	1,146,720,594	30,560,258	1,177,280,852	44,818,464	(1,328,979)	44,549,485	34,267,909	3,707,651	1,182,048,503	3,707,651	
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		1,501,981,328	812,628	1,502,793,956	30,560,258	1,533,354,214	70,162,429	13,505,190	84,727,619	74,446,043	43,885,785	1,578,299,999	43,885,785	
											Total Project Budget	1,578,300,000	25	
											Estimate At Completion	1,533,354,214	26	
											Variance	43,885,785	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	\$847,403,206
Substantial Completion	2/10/2018	2/10/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
Potential Changes	14,445,454	7,700,502	2,860,240	5,534,062	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				44,450	
STS COR #89 Extra Sewer Work				15,561	
STS COR 074 AWSS Offset/Sewer Demo				93,763	
STS COR 100 DSC Zayo PVC Conf w SW				4,070	
STS COR 254 DSC 4" Confl w 36" FM				22,667	
STS COR 258 WD/PVC Conflict				76,194	
STS COR 476 Conc DB Conf w/ FH				20,197	
STS COR 484 New WD & AWSS Alignment				11,410	
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 639 Util conf w/ 12" AWSS				27,197	
STS COR 641 SW delay due to conf ut				9,114	
STS COR 665 Ov prd Lit Pl fdn in				899	
STS COR 688 Ukn Piers /conct N 12"				715	
STS COR 823 Unkn Brck Ctch Basin				1,718	
STS COR 969 Mv Stl Plts L Frm Twnsd				389	
YBM COR 806 Stair 1 embed submittal			(9,611)		
YBM COR 86 AT&T Side Sewer Conflict			156,247		
YBM PCC 131 Add Rec Room CN316			1,036		
Change Order Request (COR)					
CTS COR 1013 CTS Setlmt Mitigation		20,001			
CTS COR 1016 Locate Water Leak		4,538			
CTS COR 1031 Add Fire Hose Valves		14,896			
CTS COR 1061 S Pltfrm Unstable Grnd		150,000			
CTS COR 1079 Defective Specs		3,021,262			
CTS COR 1084 Raceways to Mach Rms		0			

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount
Substantial Completion

\$839,676,400
2/10/2018

\$847,403,206
2/10/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
CTS COR 1086 FP Deluge Valve		0			
CTS COR 1107 Compensation Grout		0			
CTS COR 1111 Rev to Platform Cavern		10,001			
CTS COR 1137 DSC Obstruction at Pan		119,158			
CTS COR 1157 Stringer Support Embed		10,001			
CTS COR 1170 S. Platform Cavern		450,000			
CTS COR 1174 Req. for Stage Groutin		50,001			
CTS COR 1175 Compensation Grout Set		10,001			
CTS COR 1177 NDSC Unknown Utilities		25,000			
CTS COR 1186 Unknown 1" Water Serv		5,000			
CTS COR 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			
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 COR 014 Addtl MNHS for 78" SW				27,500	
STS COR 1009 AWSS Lat Conflict				195,768	
STS COR 1022 2" Traffic Sgnl Condui				30,000	
STS COR 1030 1" Water line in Confl				2,500	

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount
Substantial Completion

\$839,676,400
2/10/2018

\$847,403,206
2/10/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 1032 Lenox-TMC Design Cnflc				0	
STS COR 1045 78" Conc Cap Repair				19,050	
STS COR 1085 AWSS Conflct 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 Cnflct 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 Cnflct				15,000	
STS COR 1119 48" Corrg Pipe Cnflc				19,306	
STS COR 1140 Pothole 12" AWSS				4,481	
STS COR 1141 Unkn Conc Subgrade				584	
STS COR 1142 Remove Catch Basin				1,722	
STS COR 1147 Utility Conflict				10,000	
STS COR 1150 Unkwn 18" Stl Line				25,000	
STS COR 1179 Exst Pipes FM				5,000	
STS COR 1180 Unkwn Conc 10" FM				5,000	
STS COR 1189 Unkwn 12" AWSS Offset				10,000	
STS COR 1194 Unkwn MH Incor MH				10,000	
STS COR 1196 Delay Pavement SFWD				10,001	
STS COR 1201 Unkwn Stl Conduits				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	
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 488 Tunnel Track Alignment				50,001	
STS COR 500 Tunnel Monuments				5,001	
STS COR 609 Damaged MRY Conduit				14,626	
STS COR 675 Dct bnk & 3" Gas Line				10,001	

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	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 682 Shtdown #1 Rail Mods				9,432	
STS COR 683 Gas Ln & unkn Duct Bank				5,001	
STS COR 694 Tr Rts in con/car pipes				5,001	
STS COR 699 Dct Bnk in Cnf w 36"FM				25,895	
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 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	
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 930 SW Cracks Conf w Grout				5,001	
STS COR 954 Culvert Field Investiga				20,106	
STS COR 962 4th/King Incomp Hrdwr				34,448	
STS COR 967 Lwr Lvl Can Per SFMTA				270	
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				

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	UMS	CTS	YBM	STS	COST REPORT NOTES
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 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 1163 Wtrpf Well Termination	0				
UMS COR 336 Vault on Grid Line 9	1,312				
UMS COR 403 Waterproofing at BART	63,285				
UMS COR 747 NDSC Unidnfied Con Pile	50,001				
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 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-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 1105 Unk UST in sidewalk			54,396		
YBM COR 1153 Escalator Equip. Mach			0		
YBM COR 1155 Live AT&T Cable Found			20,000		

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	UMS	CTS	YBM	STS	COST REPORT NOTES
YBM COR 1156 FP Deluge Panel Con.			0		
YBM COR 1195 Stair #4 Sheet Pile In			0		
YBM COR 825 Tunnel Segm Steel Fibers			153,380		
YBM COR 953 Added Condensate Drain			63,070		
YBM COR 960 N & S Head WI Rbr Chng			64,027		
YBM COR 989 Emrg Phn-Light Fixtures			15,570		
Forecasted - Trends	4,169,331	1,627,375	518,292	348,745	
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 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 207 SEM Sequencing Changes		0			
CTS PCC 98 Slurry Wall Wr Proofing		0			

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	UMS	CTS	YBM	STS	COST REPORT NOTES
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 cmply OAB		5,478			
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 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 1034 E live DT/MRY Ductbank				38,540	
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 1165 DSC - Unknown void				15,000	
STS COR 1172 DSC Utilities Conflict				20,000	
STS COR 164 DSC 8" AWSS Lat Conf 78				4,077	
STS COR 211 SW conf AWSS 4th/Freelo				0	
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	

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	UMS	CTS	YBM	STS	COST REPORT NOTES
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				37,543	
STS COR 536 Util in Conf w 36" FM				66,287	
STS COR 559 Temporary Trolley Pole				5,890	
STS COR 567 Loct of Plinth Breaks				10,000	
STS COR 584 Debris confl w/ culvert				6,275	
STS COR 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 Tunl Wakway Expn jnts				386	
STS COR 736 Addition Rein Handholes				6,340	
STS COR 751 Db in coflct 36" FM& MH				2,311	
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 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 929 MH Conf w SW Grout				6,033	

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	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 931 Tree Removal				1,942	
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 974 Fldng frm Brkn Wtr Mn				10,001	
STS COR 976 Ex Unkwn Mnhl & Dct Bnk				10,001	
STS COR 979 (N) CB in Conf w/ (E) V				3,773	
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 #29 (Concrete Wale Suppt)	41,424				
UMS - PCC 027 (Escalator Barricade)	(9,227)				
UMS COR 1010 Emerg Phn Dsgn Conflc	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	8,716				
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				

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	UMS	CTS	YBM	STS	COST REPORT NOTES
UMS COR 1102 New 8" WD Tie-In	61,979				
UMS COR 1135 Glass Panel Curb Reinf	5,001				
UMS COR 1139 Added Slab Dowels	5,001				
UMS COR 1149 Remove 3 Wtr Lines	1,073				
UMS COR 1161 HVAC Duct Chase	5,001				
UMS COR 1183 (8) 2" Interconn Cndui	10,001				
UMS COR 1190 Mtr Pedestal at Mrkt S	10,001				
UMS COR 1200 K Pile Waterproofing	10,001				
UMS COR 1204 Esc 8 Mec Layout SD	10,001				
UMS COR 391 AT&T Duct Bank Conflict	25,001				
UMS COR 493 Steel Shape Inside Pile	25,001				
UMS COR 579 Elevators 1-4 SFFD	41,648				
UMS COR 636 Bi-Fold Door Tube Steel	24,911				
UMS COR 660 Added Grommets at Booth	3,253				
UMS COR 661 Card Acc & Dr alm Pnts	10,001				
UMS COR 687 Trant Pipe at St 134+00	352				
UMS COR 726 Beam 213 Stair Opening	48,524				
UMS COR 770 Fiil Void Sp with CDF	1,943				
UMS COR 774 Inadqte Conc Demolition	14,172				
UMS COR 781 Uilty Trench Supp Slab	53,673				
UMS COR 789 Strs 3&4 SOE Shotcrete	10,001				
UMS COR 845 Unidntfid Conc Obstrctn	6,841				
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	9,828				
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 168 Swing Gates Attachment	178,172				
UMS PCC 195 Reinf. of Wall to Slab	3,947				
UMS PCC 213 Electrical at Ellis St.	(5,994)				

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	UMS	CTS	YBM	STS	COST REPORT NOTES
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				
USG COR 1129 Waterproof Surface Pre	5,001				
USG COR 1171 N Cncrs Wall Connec	10,001				
USG COR 1198 Wtr Prfng Soil Nail Wa	10,001				
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				

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	UMS	CTS	YBM	STS	COST REPORT NOTES
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 190 Plaza Level Slab Detail	10,409				
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		
YBM COR 1062 Elevator #3 Pit Change			10,000		
YBM COR 1106 Impediment at Pnl P-88			1,897		
YBM COR 1151 Steel Pipe & Steel Bea			25,000		
YBM COR 1182 RFI# YBM-0555 Sign Tag			5,001		
YBM COR 1197 Unknown Slurry Encasem			10,000		
YBM COR 248 Transite pipe Folsom			10,000		
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			7,004		
YBM COR 841 Design Chng Stair 1 run			7,638		
YBM COR 848 Chip Invert Headwall			10,663		
YBM COR 939 Broken Water Dept. Line			47,689		
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 138 Add Rec Room SU310			981		
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		

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	UMS	CTS	YBM	STS	COST REPORT NOTES
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			205,805		
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		
YBM-AT&T Changes Conduit Radius			5,126		
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 Systm		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 231Door Hardware		8,000			
CTS PCC 233 Reinf for Headhouse Inv		0			
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				(1,600,000)	
STS PCC 223 4th and King Advnc Wrk				2,000	

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	UMS	CTS	YBM	STS	COST REPORT NOTES
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	
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)	
STS PCC 248 Restab Trac Pwr Ductban				20,000	
STS PCC 249 Add Water Line on 4th				25,000	
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 246 Fiber Optic Cable	10,000				
UMS PCC 247 Changes to RP-304	2,000				
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				

Contract Modification/Trend Log - Contract 1300 Stations

**Awarded NTE Amount
Substantial Completion**

**\$839,676,400
2/10/2018**

**\$847,403,206
2/10/2018**

	UMS	CTS	YBM	STS	COST REPORT NOTES
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				
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 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 202 Mezzanine Light Fixtures			37,093		
YBM PCC 210 Elev 1&2 MRL to Hydraul			(5,000)		
YBM PCC 235 Granite Art Panel			0		
YBM PCC 37 SFAC Node Sculpture			50,797		

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	\$839,676,400	\$847,403,206
Substantial Completion	2/10/2018	2/10/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
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	2,353,534	2,964,460	309,825	2,098,986	
Contract Modification					
CMod # 14 YBM COR 036, 078			58,526		
CMod #017 CTS CORs 001 053 & 069		54,322			
CMod #018 CTS PCC 012		60,248			
CMod #021 STS CORs 48/52/114/233/252				18,221	
CMod #025 - Various CORs			59,113		
CMod #026 YBM COR 072			84,509		
CMod #027 UMS PCC 092	0				
CMod #028 CTS PCC 017.1		97,743			
CMod #029 STS PCC 009.1				(143,668)	
CMod #033 CTS Various CORs		56,422			
CMod #034 CTS Various CORs		19,334			
CMod #035 STS PCC 077				11,147	
CMod #037 CTS Various CORs		8,886			
CMod #038 STS Various CORs				52,553	
CMod #039 UMS Various CORs	23,271				
CMod #040 YBM Analytical Soil Test			3,655		
CMod #049 STS DSC CORs				136,728	
CMod #050 STS DSC CORs				67,036	
CMod #053 STS DSC CORs				17,035	
CMod #1 BART Elevator Option 1 @ Pow	90,000				
CMod #10 YBM PCC 042			64,287		
CMod #11 UMS PCC 002	12,997				
CMod #12 STS Traffic Control				1,032,302	
CMod #13 CTS COR 006		57,707			
CMod #15 YBM COR 196			3,178		
CMod #16 UMS COR 184	8,261				
CMod #19 CTS COR 007, 026		2,274,225			
CMod #20 YBM PCC 047 and 45			364,562		
CMod #22 UMS PCC 045, 046	16,198				

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount
Substantial Completion

\$839,676,400
2/10/2018

\$847,403,206
2/10/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
CMod #23 UMS PCC 058	63,838				
CMod #3 CTS Work Safely Ard Power Po		25,956			
CMod #30 YBM Various CORs			334,165		
CMod #31 UMS COR 595	53,701				
CMod #32 YBM Various PCCs			92,934		
CMod #36 YBM Conflict with Waterline			14,484		
CMod #4 CTS-Force Account Change Or		130,000			
CMod #41 YBM Class 2 Conta. Material			40,250		
CMod #42 UMS Addl. Service Conduits	36,873				
CMod #43 UMS D85 Structural Pile	65,188				
CMod #44 UMS Grade 50 Steel	572,884				
CMod #46 YBM/CTS/UMS S.walk Hatches			35,489		
CMod #47 UMS Roof Deck Schedule	76,124				
CMod #48 UMS Undgrnd. Storage Tanks	97,817				
CMod #5 YBM Deletion of Comp Groutin			(1,833,869)		
CMod #51 YBM Various CORs and PCCs			24,875		
CMod #52 YBM Undgrnd. Storage Tanks			167,393		
CMod #54 UMS USG Underpinning	732,157				
CMod #55 YBM Archeological Discovery			102,734		
CMod #56 YBM Contaminated Material			106,923		
CMod #57 STS Crossover Materials				21,245	
CMod #58 STS DSC CORs				90,081	
CMod #59 CTS DSC CORs		66,592			
CMod #6 CTS Plaza Constr Supt Servi		75,000			
CMod #60 UMS USG Two Fuel Tanks	61,312				
CMod #61 YBM Various CORs			207,181		
CMod #62 UMS Wales and Waterproofing	277,714				
CMod #63 CTS DSC CORs		38,025			
CMod #64 STS DSC CORs and SFWD				52,570	
CMod #65 UMS Various CORs and PCCs	10,320				
CMod #66 STS Sewer Notching				66,949	
CMod #67 UMS Solar/Low-e Coating	23,290				
CMod #68 STS Various CORs				59,555	
CMod #69 UMS Various CORs	49,682				
CMod #70 YBM Various CORs			178,079		

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	\$839,676,400	\$847,403,206
Substantial Completion	2/10/2018	2/10/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
CMod #71 UMS Haz and Asbestos Abate	81,907				
CMod #72 YBM COR 249. 566			74,694		
CMod #9 YBM COR 10,15,16,18,20,25			126,663		
CMod 073 - PCC 066 PB				96,516	
CMOD 24 STS PCC 23				108,053	
CMod#7 STS FACOs 016, 017 &COR 009				80,170	
CMod#8 STS PCC 006 ATT MH, PB&Trench				225,208	
STS CMod 045 PCC 008 Tunnel Lowering				107,285	
Grand Total	16,798,988	10,664,962	3,170,065	7,633,048	

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

Report Period: June 2017

		May 2017			June 2017				
Group by Contract & SCC	CATEGORY ITEM	May 2017 Base	May 2017 Allocated Contingency	May 2017 Base + Allocated Contingency (YOE)	June 2017 Base	June 2017 Allocated Contingency	June 2017 Base + Allocated Contingency (YOE)	BUDGET TRANSFERS [May 2017] vs. [June 2017]	Cost Report Notes
10-50	CONSTRUCTION CONTRACT PACKAGES	1,147,299,716	34,748,787	1,182,048,503	1,147,780,594	34,267,909	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	846,922,328	32,754,072	879,676,400	847,403,206	32,273,194	879,676,400	0	30
1253: UMS	UNION SQUARE/MARKET STREET STATION [UMS]	296,252,535	17,778,055	314,030,590	296,384,124	17,646,466	314,030,590	0	
	UMS 1253 Form B Credit	(528,370)		(528,370)	(528,370)		(528,370)	0	
1254: CTS	CHINA TOWN STATION [CTS]	250,532,270	7,035,540	257,567,810	250,532,270	7,035,540	257,567,810	0	
	CTS 1254 Form B Credit	(451,703)		(451,703)	(451,703)		(451,703)	0	
1255: YBM	YERBA BUENA/ MOSCONE STATION [YBM]	158,146,052	4,942,949	163,089,001	158,398,825	4,690,176	163,089,001	0	
	YBM 1255 Form B Credit	(100,000)		(100,000)	(100,000)		(100,000)	0	
1256: STS	SURFACE TRACKWORK & SYSTEMS [STS]	141,991,470	2,997,529	144,988,999	142,087,986	2,901,013	144,988,999	0	
	STS 1256 SFPUC SEWER MAIN CREDIT	(2,925,296)		(2,925,296)	(2,925,296)		(2,925,296)	0	
	STS 1256 Form B Credit	(1,000,000)		(1,000,000)	(1,000,000)		(1,000,000)	0	
OTHER	OTHER CONSTRUCTION TOTAL	47,446,751	1,160,000	48,606,751	47,446,751	1,160,000	48,606,751	0	
40.06	PUBLIC ART PROGRAM	8,175,555	1,160,000	9,335,555	8,175,555	1,160,000	9,335,555	0	
40.08	CN1300 JOB READINESS PROGRAM - OUTREACH	1,060,000		1,060,000	1,060,000		1,060,000	0	30
40.02	MISC. CONSTR CONTRCT WK (TRACTION POWER FOR 1251)	258,202		258,202	258,202		258,202	0	
40.01	CONTRACT 1300 SOIL PROCESS	500,000		500,000	500,000		500,000	0	31
50.01	TEMPORARY LICENSE AGREEMENT (ATCS CENTRAL CONTROL)	487,972		487,972	487,972		487,972	0	
50.06	MTA FARE COLLECTION EQUIPMENT	5,400,000		5,400,000	5,400,000		5,400,000	0	
50.06	BART FARE COLLECTION EQUIPMENT	700,000		700,000	700,000		700,000	0	

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

Report Period: June 2017

		May 2017			June 2017				
Group by Contract & SCC	CATEGORY ITEM	May 2017 Base	May 2017 Allocated Contingency	May 2017 Base + Allocated Contingency (YOE)	June 2017 Base	June 2017 Allocated Contingency	June 2017 Base + Allocated Contingency (YOE)	BUDGET TRANSFERS [May 2017] vs. [June 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	89,012,545	13,905,845	102,918,390	0	

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

Report Period: June 2017

		May 2017			June 2017				
Group by Contract & SCC	CATEGORY ITEM	May 2017 Base	May 2017 Allocated Contingency	May 2017 Base + Allocated Contingency (YOE)	June 2017 Base	June 2017 Allocated Contingency	June 2017 Base + Allocated Contingency (YOE)	BUDGET TRANSFERS [May 2017] vs. [June 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	1,503,373,078	66,046,519	1,569,419,597	1,503,853,957	65,565,641	1,569,419,598	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			74,926,924			74,446,046		
	CONTINGENCY MINIMUM			60,000,000			60,000,000		
	BELOW OR ABOVE MINIMUM			14,926,924			14,446,046		

COST STATUS BY CATEGORY	SCC CODES	Supplemental 2013 Budget/Original Budget	BUDGET May 2017	BUDGET TRANSFERS	BUDGET June 2017	June 2017 CTD	Remaining Budget (Column D - Column E)	June 2017 EAC	June 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	229,972,918	55,254,961	285,121,046	834,715	36
STATIONS, STOPS, TERMINALS, INTERMODAL	SCC 020	573,099,645	587,538,145	(480,878)	587,057,267	339,876,134	247,181,133	564,898,626	32,273,194	36
SITework & SPECIAL CONDITIONS	SCC 040	235,514,097	214,037,169	384,362	214,421,531	197,593,947	16,827,584	228,689,630	1,160,000	36
SYSTEMS	SCC 050	90,774,397	95,245,311	96,516	95,341,827	26,852,893	68,488,933	98,571,551		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	135,392,870	61,579,212	180,109,425	16,862,657	
OTHER PROF SRVCS	SCC 080.05 - 080.08	24,416,118	24,246,033	0	24,246,033	11,557,581	12,688,452	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	1,081,527,629	496,772,372	1,533,354,215	74,446,046	

SCC DESCRIPTION	June 2017 BUDGET	June 2017 CTD
010 - GUIDEWAY & TRACK ELEMENTS	285,227,879	229,972,918
020 - STATIONS, STOPS, TERMINALS, INTERMODAL	587,057,267	339,876,134
040 - SITEWORK & SPECIAL CONDITIONS	214,421,531	197,593,947
050 - SYSTEMS	95,341,827	26,852,893
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	254,352,434
090 - UNALLOCATED CONTINGENCY	8,880,402	
Grand Total	1,578,300,000	1,081,527,629

SCC DESCRIPTION	June 2017 BUDGET	June 2017 CTD
010.02-Guideway: At grade semi-exclusive (allows cross-traffic)	2,860,000	552,500
010.06-Guideway: Underground cut & cover	69,816,407	62,308,677
010.07-Guideway: Underground tunnel	201,340,746	161,370,226
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	1,508,488
020.02-Aerial station, stop, shelter, mall, terminal, platform	2,901,013	0
020.03-Underground station, stop, shelter, mall, terminal, platform	554,851,560	334,481,798
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	60,550,827	64,621,489
040.03-Haz. mat'l, contam'd soil removal/mitigation, ground water treatments	7,534,128	4,652,034
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	2,550,340
040.07-Automobile, bus, van accessways including roads, parking lots	6,579,099	3,754,889
040.08-Temporary Facilities and other indirect costs during construction	113,781,537	106,751,147
050.01-Train control and signals	28,127,939	7,301,619
050.02-Traffic signals and crossing protection	12,562,529	9,874,301
050.03-Traction power supply: substations	21,465,073	8,017,780
050.04-Traction power distribution: catenary and third rail	12,441,113	1,470,689
050.05-Communications	12,030,586	188,503
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	102,918,390	68,306,239
080.04-Construction Administration & Management	94,053,693	67,086,631
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	4,384,024
080.07-Surveys, Testing, Investigation, Inspection	933,100	833,361
080.08-Start up	8,300,329	0
090.00-Unallocated Contingency	8,880,402	
Grand Total	1,578,300,000	1,081,527,629

[A] Cost Account Description	BUDGET	ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
	[B] June 2017 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total		
TOTAL PRELIMINARY ENGINEERING	46,542,061	46,542,061	0	0	46,542,061	0	37
11 - SFMTA PROJECT MANAGEMENT	8,800,164	8,253,957	0	0	8,253,957	546,208	38
12 - SFMTA ENGINEERING SERVICES	11,425,594	11,425,594	0	0	11,425,594	0	39
16 - DEPARTMENT OF PARKING AND TRAFFIC (DPT)	921,906	802,883	0	0	802,883	119,023	
21 - ARTS COMMISSION	1,500,570	1,500,570	0	0	1,500,570	0	40
22 - FIRE DEPARTMENT	33,825	33,825	0	0	33,825	0	
23 - CITY ATTORNEY'S OFFICE	1,234,754	1,234,754	0	0	1,234,754	0	
24 - RISK MANAGEMENT	0	0	0	0	0	0	
26 - PLANNING	99,604	99,604	0	0	99,604	0	
27 - DEPARTMENT OF PUBLIC HEALTH (DPH)	4,420	4,420	0	0	4,420	0	
29 - CITY AUDITOR	336,735	336,735	0	0	336,735	0	41
32 - DPW - IDC ENGINEERING (HYDRAULIC)	3,336,432	3,336,432	0	0	3,336,432	0	
34 - DPW - IDC CONSTRUCTION (CAPTITAL)	17,462	17,462	0	0	17,462	0	
36 - DPW - BSM INFRASTRUCTURE (MAPPING)	76,549	76,549	0	0	76,549	0	
39 - DPW - PCS SITE ASSESSMENT & REMEDIATION (SAR)	13,993	13,993	0	0	13,993	0	
51 - 821 HOWARD STREET	1,005,653	1,005,653	0	0	1,005,653	0	
55 - 651 BRANNAN	2,294,910	2,294,910	0	0	2,294,910	0	42
63 - CENTRAL SUBWAY PARTNERSHIP - AECOM-EPC JV CONTRACT 149	26,793,234	26,793,234	0	0	26,793,234	0	43
66 - ANIL VERMA	395,204	395,204	0	0	395,204	0	44
67 - HILL INTERNATIONAL CONTRACT 156	6,716,294	6,716,294	0	0	6,716,294	0	45
68 - ARTHUR GALLAGER & CO. CS 164	6,800,000	6,340,196	0	0	6,340,196	459,804	
71 - TUNNEL/UTILITIES - CONTRACT # CONTRACT 155-1	5,469,336	5,469,336	0	0	5,469,336	0	46
72 - STATIONS - CONTRACT # CONTRACT 155-2	26,220,609	26,220,609	0	0	26,220,609	0	47
73 - SYSTEMS/INTEGRATION - CONTRACT 155-3	11,432,312	11,432,312	0	0	11,432,312	0	48
331 - BAY AREA RAPID TRANSIT (BART)	146,427	146,427	0	0	146,427	0	
332 - SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY (SFCTA)	0	0	0	0	0	0	
TOTAL FINAL DESIGN	115,075,988	113,950,952	0	0	113,950,952	1,125,035	
11 - SFMTA PROJECT MANAGEMENT	15,589,933	9,567,185	191,177	212,025	9,779,210	5,810,723	
1.3.011.01.080.03 - CM:SFMTA LABOR-PROJECT MANAGEMENT	15,589,933	9,567,185	191,177	212,025	9,779,210	5,810,723	
12 - SFMTA ENGINEERING SERVICES	2,923,582	2,470,623	3,425	608	2,471,231	452,351	
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	2,412,975	3,425	608	2,413,583	386,417	
13 - SFMTA CONSTRUCTION MANAGEMENT	37,118,350	13,332,485	198,698	215,677	13,548,162	23,570,188	
1.3.013.01.080.04 - CM:SFMTA LABOR-CONSTR. MANAGEM	37,118,350	13,332,485	198,698	215,677	13,548,162	23,570,188	
16 - DEPARTMENT OF PARKING AND TRAFFIC (DPT)	3,659,313	2,030,547	18,851	7,406	2,037,952	2,022,390	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT UMS	299,600	87,531	757	0	87,531	212,069	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT CTS	274,900	81,309	1,247	441	81,750	193,150	

[A] Cost Account Description	BUDGET	ACTUAL COSTS					[G] VARIANCE (B - F)	COST REPORT NOTES
	[B] June 2017 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total			
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT YBM	238,400	128,035	1,692	2,212	130,247	108,153		
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT STS	876,876	249,360	15,155	4,753	254,113	622,763		
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)		
1.3.016.05.040.08 - 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	0	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	1,655	41,150	285,319		
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	1,655	14,681	285,319		
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 DUR1	548,200	817,966	0	0	817,966	(269,766)		
21 - ARTS COMMISSION	12,010,886	3,096,251	30,329	135,109	3,231,360	8,779,525		
1.3.021.01.040.06 - ARTS:CTYCO-ARTS COMMISSION CONSTRUCTION COSTS	4,772,555	0	0	0	0	4,772,555		
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [1227]	1,951,501	388,167	0	0	388,167	1,563,334	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]	606,881	580,063	9,734	26,818	606,881	0		
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	712,039	20,595	108,291	820,330	1,082,670		
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	1,361,280	5,325	0	1,361,280	810,501		
1.3.023.01.080.06 - ATTY:CN LEGAL-CITY ATTORNEY OF	2,171,781	1,361,280	5,325	0	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	779	26,697	110,365		
1.3.026.01.080.06 - CM:CTYCO-PLANNING DEPARTMENT	137,062	25,918	0	779	26,697	110,365		
28 - PUBLIC UTILITIES COMMISSION WATER	4,242,012	3,363,111	79,696	70,337	3,433,449	808,563		
1.3.028.02.040.02 - CM:CTYCO-PUBLIC UTIL COMM. (PUC)	0	4,745	0	0	4,745	(4,745)		

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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	187,180	3,525	8,180	195,360	410,994		
1.3.028.03.080.04 - PUC:CMB CONTRACT 1300/UMS INSPECTION	230,000	33,536	589	972	34,508	195,492		
1.3.028.04.040.02 - PUC:CDD CONTRACT 1300/CTS SUPPORT	271,755	183,170	7,554	9,199	192,369	79,387		
1.3.028.04.080.04 - PUC:CMB CONTRACT 1300/CTS INSPECTION	115,000	24,247	2,347	9,282	33,529	81,471		
1.3.028.05.040.02 - PUC:CDD CONTRACT 1300/YBM SUPPORT	450,282	342,903	0	132	343,035	107,247		
1.3.028.05.080.04 - PUC:CMB CONTRACT 1300/YBM INSPECTION	184,000	56,177	0	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		
1.3.028.06.040.02 - PUC:MTA CENTRAL SUBWAY CONTRACT 1300	0	0	0	0	0	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 [3BB]	0	0	0	0	0	0		
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	481,686	43,017	31,856	513,542	6,535		
1.3.028.09.080.04 - PUC:CMB CONTRACT 1300/STS INSPECTION	207,000	211,103	22,665	10,717	221,820	(14,820)		
32 - DPW - IDC ENGINEERING (HYDRAULIC)	1,150,459	235,253	3,474	6,833	242,085	792,298		
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	27,996	373	3,345	31,341	266,597		
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	0	0	32,469	269,413		
1.3.032.06.080.04 - DPW: BOE: 1300 DSDC	0	0	0	0	0	0		
1.3.032.06.080.04 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112B112]	85,275	85,275	0	0	85,275	0.00	50	
1.3.032.06.080.04-1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112C112]	109,658	109,658	0	0	109,658	0.00	51	
1.3.032.06.080.04 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112D112]	15,791	15,791	0	0	15,791	0.00	52	
1.3.032.06.080.04 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112E112]	11,193	11,193	0	0	11,193	0	53	
1.3.032.06.080.04 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112F112]	107,798	107,798	0	0	107,798	0	54	
1.3.032.06.080.04 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112G112]	21,690	47,917	0	0	47,917	(26,227)	55	
1.3.032.08.080.04 - DPW.HYRDDPW-BOE IDC ENG SVC DC	9,000	0	0	0	0	9,000		
1.3.032.09.080.04 - DPW IDC HYDRAULIC CN1300 STS SUPPOR	180,000	60,436	3,101	3,488	63,924	116,076		
34 - DPW - IDC CONSTRUCTION (CAPITAL)	6,703,969	6,165,100	57,520	69,554	6,234,653	469,316		
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	2,172,100	57,520	69,554	2,241,653	469,316		
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		

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1.3.037.01.080.07 - DPW.MTL.LABDPW-MATERIAL TESTIN	83,100	0	0	0	0	83,100		
39 - DPW - PCS SITE ASSESSMENT & REMEDIATION (SAR)	613,853	438,455	3,029	0	438,455	175,398		
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2213]	92,459	92,459	0	0	92,459	0		
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2250]	78,400	78,400	0	0	78,400	0		
1.3.039.01.080.04 -DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2257]	151,515	151,515	0	0	151,515	0		
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2313]	24,343	24,343	0	0	24,343	0		
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION	58,757	10,109	0	0	10,109	48,648		
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [CE13]	31,367	31,367	0	0	31,367	0		
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [CH13]	100,000	8,621	0	0	8,621	91,379		
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR)	17,000	0	0	0	0	17,000		
1.3.039.02.080.04 - DPW: SITE ASSESSMENT & REMEDIATION (SAR) – CN1252 [13CE11]	18,632	16,880	0	0	16,880	1,753		
1.3.039.02.080.04 - DPW: SITE ASSESSMENT & REMEDIATION (SAR) – CN1300 [13CH11]	41,379	24,761	3,029	0	24,761	16,618		
46 - MACY'S WEST - SFPUC SEWER WORK	258,202	258,202	0	0	258,202	0		
1.3.046.08.040.02 - MCY.SWR. CONTRACT: MACY'S-SEW	258,202	258,202	0	0	258,202	0		
51 - 821 HOWARD STREET	770,843	626,280	472	0	626,280	144,563		
1.3.051.01.080.03 - ODC.HWRD:ODCs - 821 HOWARD STR	696,753	599,726	472	0	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	34,425,502	(25,914)	460,000	34,885,502	14,604,585		
1.3.063.01.080.03 - CM:PM:AECOM.CS149 OM-EPC JV CS149-PM	9,296,248	5,017,804	0	0	5,017,804	4,278,444	57	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3B]	5,150,342	1,969,213	0	0	1,969,213	3,181,129		
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	5,628,208	(20,731)	368,000	5,996,208	(4,408,847)		
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3G][PM]	1,499,052	1,407,052	(5,183)	92,000	1,499,052	0		
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9B]	11,042	11,042	0	0	11,042	0		
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9D]	550,000	515,694	0	0	515,694	34,306		
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9E]	600,000	523,943	0	0	523,943	76,057		
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9F]	461,196	461,196	0	0	461,196	0		
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9G]	201,760	201,760	0	0	201,760	0		
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	71,344	71,344	988,656	58	
1.3.064.06.040.08 - CN1300 JOB READINESS PROGRAM	1,060,000	0	0	71,344	71,344	988,656		
67 - HILL INTERNATIONAL CONTRACT 156	11,000,000	2,748,163	84,627	11,747	2,759,910	8,240,090		
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		

[A] Cost Account Description	BUDGET	ACTUAL COSTS					[G] VARIANCE (B - F)	COST REPORT NOTES
	[B] June 2017 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total			
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	1,167,329	84,627	11,747	1,179,076	8,240,089		
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	3,020	2,110,164	48,682		
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	3,020	2,197,365	(38,519)		
72 - STATIONS - CONTRACT # CONTRACT 155-2	9,612,416	10,795,556	576,119	550,000	11,345,556	(1,733,140)		
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	10,744,205	576,119	550,000	11,294,205	(1,733,140)		
73 - SYSTEMS/INTEGRATION - CONTRACT 155-3	4,828,269	2,850,845	(153,343)	179,889	3,030,734	1,797,535		
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	2,761,054	(153,343)	179,889	2,940,943	1,797,326		
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:UNDERGRN'D CUT	60,446,425	60,446,425	0	0	60,446,425	0		
1.3.083.02.010.07 - CONTRACT 1252:GUIDEWAY:UNDERGROUND	105,423,090	105,181,925	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		

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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	489,142,923	10,354,787	9,123,907	498,266,830	381,409,570	66	
84 - UNION SQUARE/MARKET STREET STATION (UMS) - WORK PACKAGE 1253	294,030,590	194,483,791	3,969,448	2,706,900	197,190,691	96,839,899	20	
1.3.084.03.020.03 - UMS.1253: UNDERGROUD STATION	253,081,452	169,288,173	3,700,345	2,534,650	171,822,823	81,258,629		
1.3.084.03.020.07 - UMS.1253: ELEVATORS ESCALATOR	9,465,694	1,545,736	0	0	1,545,736	7,919,958		
1.3.084.03.040.01 - UMS.1253: DEMOLITION CLEARING	6,071,588	5,914,089	0	0	5,914,089	157,499		
1.3.084.03.040.02 - UMS.1253: SITE UTILITIES UTIL	4,360,395	3,022,109	8,400	71,250	3,093,359	1,267,036		
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	9,785,651	10,000	1,000	9,786,651	1,353,050		
1.3.084.03.050.02 - UMS.1253: TRAFFIC SIGNALS AND	4,773,076	4,020,576	100,000	100,000	4,120,576	652,500		
1.3.084.03.050.03 - UMS.1253: TRACTION POWER SUPPL	1,815,534	173,204	150,703	0	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	0	0	21,501	1,112,813		
84 - UNION SQUARE/MARKET STREET STATION (UMS) CMODs	2,353,534	2,042,094	279,574	49,682	2,091,776	261,758		
1.3.084.84.020.03 - CMOD:UMS.1253: UNDERGROUD STATION	60,746	21,258	0	0	21,258	39,488		
1.3.084.84.020.07 - CMOD:UMS.1253: ELEVATORS, ESCALATORS	90,000	90,000	0	0	90,000	0		
1.3.084.84.040.01 - CMOD:UMS.1253: DEMOLITION CLEARING	944,987	944,987	314,836	0	944,987	0		
1.3.084.84.040.02 - CMOD:UMS.1253: SITE UTILITIES UTIL	1,099,770	909,725	(35,262)	49,682	959,407	140,363		
1.3.084.84.040.03 - CMOD:UMS.1253: HAZARDOUS MATERIALS	81,907	0	0	0	0	81,907		
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	17,646,466	0	0	0	0	17,646,466	67	
85 - CHINATOWN STATION (CTS) - WORK PACKAGE 1254	247,567,810	133,891,903	1,763,462	4,524,723	138,416,626	109,151,184		
1.3.085.04.010.07 - CTS.1254: GUIDEWAY: UNDERGROUND TUNNEL	76,417,579	46,328,597	892,073	4,424,257	50,752,854	25,664,725		
1.3.085.04.020.03 - CTS.1254: UNDERGROUND STATION	133,001,053	62,625,696	145,190	11,000	62,636,696	70,364,357		
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	4,881,086	42,500	52,500	4,933,586	1,068,132		
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	15,935,512	10,000	10,000	15,945,512	625,810		
1.3.085.04.050.02 - CTS.1254: TRAFFIC SIGNALS AND	1,599,593	1,189,506	10,699	10,966	1,200,472	399,121		
1.3.085.04.050.03 - CTS.1254: TRACTION POWER SUPPL	4,063,927	994,500	663,000	0	994,500	3,069,427		
1.3.085.04.050.04 - CTS.1254: TRACTION POWER DISTRIBUTION	124,481	59,440	0	10,000	69,440	55,041		
1.3.085.04.050.05 - CTS.1254: COMMUNICATIONS	1,658,938	6,500	0	6,000	12,500	1,646,438		

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	[B] June 2017 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total			
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	104,324,195	3,406,395	662,287	104,986,482	53,102,518		
1.3.086.05.020.03 - YBM.1255: UNDERGROUND STATION	118,405,840	78,512,145	2,806,495	633,588	79,145,733	39,260,107		
1.3.086.05.020.07 - YBM.1255: ELEVATORS ESCALATOR	5,333,287	1,025,111	0	0	1,025,111	4,308,176		
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	6,243,100	28,900	44,500	6,287,600	875,678		
1.3.086.05.040.03 - YBM.1255: HAZARDOUS MATERIALS	2,629,439	1,887,506	0	(22,151)	1,865,355	764,084	70	
1.3.086.05.040.04 - YBM.1255: ENVIRONMENTAL MITIGA	100,000	0	0	0	0	100,000		
1.3.086.05.040.06 - YBM.1255: PEDESTRIAN/BIKE	16,665	1	0	0	1	16,664		
1.3.086.05.040.07 - YBM.1255: AUTOMOBILE BUS ACCE	1,542,725	985,551	0	22,350	1,007,901	534,824		
1.3.086.05.040.08 - YBM.1255: TEMPORARY FACILITIES	15,564,753	12,579,726	10,000	(40,000)	12,539,726	3,025,027		
1.3.086.05.050.02 - YBM.1255: TRAFFIC SIGNALS AND	1,726,492	1,592,754	24,000	24,000	1,616,754	109,738		
1.3.086.05.050.03 - YBM.1255: TRACTION POWER SUPPL	3,708,425	829,300	537,000	0	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	309,825	(434,832)	70,130	252,773	(182,059)	491,884		
1.3.086.86.020.03 - CMOD:YBM.1255: UNDERGROUND STATION	(1,833,869)	(1,833,869)	0	0	(1,833,869)	0		
1.3.086.86.040.01 - CMOD:YBM.1255: DEMOLITION CLEARING	266,386	259,386	0	0	259,386	7,000	70	
1.3.086.86.040.02 - CMOD:YBM.1255: SITE UTILITIES UTIL	1,585,079	882,911	70,130	252,773	1,135,684	449,395		
1.3.086.86.040.03 - CMOD:YBM.1255: HAZARDOUS MATERIALS	150,828	150,828	0	0	150,828	0		
1.3.086.86.040.04 - CMOD:YBM.1255: ENVIRONMENTAL MITIGA	102,734	102,734	0	0	102,734	0		
1.3.086.86.040.06 - CMOD:YBM.1255: PEDESTRIAN/BIKE	35,489	0	0	0	0	35,489		
1.3.086.86.040.08 - CMOD:YBM.1255: TEMPORARY FACILITIES	3,178	3,178	0	0	3,178	0		
1.3.086.96.020.03 - YBM.1255: AC: ALLOC CONTING	4,690,176	0	0	0	0	4,690,176	71	
87 - SURFACE TRACKWORK AND SYSTEMS -WORK PACKAGE 1256	139,989,000	51,376,604	865,778	804,038	52,180,642	87,808,358		
1.3.087.09.010.02 - STS.1256: GUIDEWAY: AT-GRADE SEMI-EXCLUSIVE (ALLOWS CROSS TR	2,860,000	382,500	0	170,000	552,500	2,307,500		
1.3.087.09.010.06 - STS.1256: GUIDEWAY: UNDERGROUND CUT & CVR	9,257,731	1,710,001	100,000	40,000	1,750,001	7,507,730		
1.3.087.09.010.07 - STS.1256: GUIDEWAY: UNDERGROUN	16,723,552	3,651,463	61,500	113,750	3,765,213	12,958,339		
1.3.087.09.010.09 - STS.1256: TRACK DIRECT FIXATION	6,761,089	3,122,916	300,000	0	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	1,506,488	73,500	2,000	1,508,488	6,094,369		
1.3.087.09.040.02 - STS.1256: SITE UTILITIES, UTILITY RELOCA	17,464,046	12,446,452	76,800	253,185	12,699,637	4,764,409		
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	1,033,050	101,250	96,875	1,129,925	987,000		
1.3.087.09.040.08 - STS.1256: TEMPORARY FACILITIES	13,896,832	11,371,953	0	16,500	11,388,453	2,508,378		
1.3.087.09.050.01 - STS.1256: TRAIN CONTROL AND SIGNALS	27,543,451	7,251,619	17,200	0	7,251,619	20,291,832		
1.3.087.09.050.02 - STS.1256: TRAFFIC SIGNALS AND	4,463,368	2,846,021	119,278	90,478	2,936,499	1,526,869		

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1.3.087.09.050.03 - STS.1256: TRACTION POWER SUPPL	9,889,014	2,063,793	0	0	2,063,793	7,825,221		
1.3.087.09.050.04 - STS.1256: TRACTION POWER DISTRIBUTION	6,099,675	1,075,287	16,250	21,250	1,096,537	5,003,138		
1.3.087.09.050.05 - STS.1256: COMMUNICATIONS	7,996,237	142,500	0	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	2,098,986	1,867,247	0	123,504	1,990,751	108,235		
1.3.087.89.040.02 - CMOD:STS.1256: SITE UTILITIES, UTILITY RELOCA	930,702	829,434	0	126,504	955,938	(25,236)		
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	0	(3,000)	1,016,594	36,953		
1.3.087.89.050.01 - CMOD:STS.1256: TRAIN CONTROL	96,516	0	0	0	0	96,516		
1.3.087.99.020.01 - STS.1256: AC: ALLOC CONTING	2,901,013	0	0	0	0	2,901,013	72	
141 - CONSTRUCTION ADMINISTRATION	2,956,812	0	0	0	0	2,956,812		
1.3.141.97.080.04 - CONSTR.ADMIN:ALLOC CONTING	2,956,812	0	0	0	0	2,956,812		
142 - LEGAL/PERMITS	2,014,204	0	0	0	0	2,014,204		
1.3.142.01.080.06 - LGL.PRMTSF:LEGAL; PERMITS	2,014,204	0	0	0	0	2,014,204		
144 - STARTUP	8,300,329	0	0	0	0	8,300,329		
1.3.144.01.080.08 - STRT: STARTUP	6,941,907	0	0	0	0	6,941,907		
1.3.144.97.080.08 - STRTA: AC STARTUP ALLOC CONTIN	1,358,422	0	0	0	0	1,358,422		
151 - TEMPORARY LICENSE AGREEMENT	17,000	0	0	0	0	17,000		
1.3.151.01.080.06 - TEMP.LICPORARY LICENSE AGREEME	17,000	0	0	0	0	17,000		
170 - COMMUNICATIONS CONNECTIONS	5,757,629	0	0	0	0	5,757,629		
1.3.170.01.050.04 - COMM.CONNN:COMMUNICATION CONN	5,757,629	0	0	0	0	5,757,629		
181 - AON RISK INSURANCE CS 163	18,113,750	18,798,132	0	0	18,798,132	(684,382)		
1.3.181.01.040.08 - AON.CS163 AON RISK INS.	18,088,750	18,773,132	0	0	18,773,132	(684,382)		
1.3.181.01.080.03 - AON.CS171 AON RISK INS. STUDY	25,000	25,000	0	0	25,000	0		
191 - FARE COLLECTION CONTRACTOR	5,400,000	0	0	0	0	5,400,000		
1.3.191.01.050.06 - FARE.CONsul:FARE COLLECTION	5,400,000	0	0	0	0	5,400,000		
192 - THALES T&S CENTRAL CONTROL	487,972	50,000	0	0	50,000	437,972		
1.3.192.01.050.01 - THALES T&S ATCS	487,972	50,000	0	0	50,000	437,972		
202 - JOC2-022.0	63,938	0	0	0	0	63,938		
1.3.202.01.040.02 - JOC2-022:15&22 POTHOLING UTIL1 LGHT FNDS	63,938	0	0	0	0	63,938		
203 - JOC2-029.0	53,317	0	0	0	0	53,317		
1.3.203.07.040.02 - JOC0292-029: RELOCATE VAULTS-S	53,317	0	0	0	0	53,317		
302 - PG&E	1,988,173	3,956,983	0	0	3,956,983	(1,968,810)		
1.3.302.03.050.03 - PGE PERMANENT POWER UMS	(2,350,000)	0	0	0	0	(2,350,000)		
1.3.302.03.050.03 - PGE POWER FEED UMS	2,959,826	1,387,761	0	0	1,387,761	1,572,065		
1.3.302.04.050.03 - PGE PERMANENT POWER CTS	(2,350,000)	0	0	0	0	(2,350,000)		
1.3.302.04.050.03 - PGE POWER FEED CTS	2,959,826	0	0	0	0	2,959,826		
1.3.302.05.050.03 - PGE PERMANENT POWER YBM	(2,368,540)	0	0	0	0	(2,368,540)		
1.3.302.05.050.03 - PGE POWER FEED YBM	3,125,222	2,569,222	0	0	2,569,222	556,000		
1.3.302.09.050.03 - PGE POWER FEED STS	11,839	0	0	0	0	11,839		
331 - BAY AREA RAPID TRANSIT (BART)	951,356	60,455	0	0	60,455	890,901		
1.3.331.01.080.04 - CM:SFMTA LABOR-ENG SVCS-IRP/BART/SF	50,000	33,152	0	0	33,152	16,848		

[A] Cost Account Description	BUDGET	ACTUAL COSTS					[G] VARIANCE (B - F)	COST REPORT NOTES
	[B] June 2017 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total			
1.3.331.01.080.06 - CM: BAY AREA RAPID TRANSIT (BART) [122A]	901,356	27,304	0	0	27,304	874,052		
333 - AMERICAN PUBLIC TRANSP. ASSOCIATION (APTA) CS-APTA	146,500	62,112	0	0	62,112	84,388		
1.3.333.01.080.03 - APTA:APTA - IRP [2G]	46,500	31,054	0	0	31,054	15,446		
1.3.333.01.080.03 - APTA:APTA - IRP [2C]	100,000	31,058	0	0	31,058	68,942		
334 - BART FARE COLLECTION SYSTEM	700,000	0	0	0	0	700,000		
1.3.334.01.050.06 - BART:BART FARE COLLECTION EQP	700,000	0	0	0	0	700,000		
401 - ECONOMIC AND WORKFORCE DEVELOPMENT (EWD)	17,600	17,600	0	0	17,600	0		
1.3.401.01.080.04 - EWD: MAYORS OFFICE ECON DEV	17,600	17,600	0	0	17,600	0		
402 - DEPARTMENT OF TECHNOLOGY	242,371	237,534	0	0	237,534	4,837		
1.3.402.07.050.04 - DT:1UTL:COMM. CONNECTIONS	166,756	166,179	0	0	166,179	577		
1.3.402.08.050.04 - DT:2UTL:COMM.CONNECTIONS	75,615	71,354	0	0	71,354	4,261		
404 - DEPARTMENT OF BUILDING INSPECTION (DBI)	1,204,081	1,204,081	0	0	1,204,081	0		
1.3.404.01.080.06 - DPT OF BUILDING INSPECTION	1,204,081	1,204,081	0	0	1,204,081	0		
491 - FORM B - REIMBURSEMENT	(12,227,954)	0	0	0	0	(12,227,954)		
1.3.491.02.040.02 - FORMB - CONTRACT 1252 UTILITY REIMBUR	(254,050)	0			0	(254,050)	73	
1.3.491.03.040.02 - FORMB - UMS:CONTRACT 1300 UTILITY REIMBURSEMENT	(528,370)	0			0	(528,370)	74	
1.3.491.04.040.02 - FORMB - CTS:CONTRACT 1300 UTILITY REIMBURSEMENT	(451,703)	0			0	(451,703)	75	
1.3.491.05.040.02 - FORMB - YBM:CONTRACT 1300 UTILITY REIMBURSEMENT	(100,000)	0			0	(100,000)	76	
1.3.491.06.040.02 - FORMB - CONTRACT 1300 UTILITY REIMBUR	0	0			0	0	77	
1.3.491.07.040.02 - FORMB - CONTRACT 1250 UTILITY REIMBUR	(2,275,419)	0			0	(2,275,419)	78	
1.3.491.08.040.02 - FORMB - CONTRACT 1251 UTILITY REIMBUR	(7,618,412)	0			0	(7,618,412)	79	
1.3.491.09.040.02 - FORMB - STS:CONTRACT 1300 UTILITY REIMBURSEMENT	(1,000,000)	0			0	(1,000,000)	80	
TOTAL CONSTRUCTION PHASE	1,349,275,482	877,141,329	11,428,271	11,119,888	888,261,217	461,225,688		
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	

[A] Cost Account Description	BUDGET	ACTUAL COSTS					[G]	
	[B] June 2017 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total	[G] VARIANCE (B - F)	COST REPORT NOTES	
TOTAL ALLOCATED CONTINGENCY	66,985,028					66,985,028		
TOTAL PROJECT COST	1,578,300,003	1,070,407,740	11,428,271	11,119,888	1,081,527,629	496,983,797		

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.

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24	In Oct 2014 Report, made two corrections: i) revised Professional Services, Original Contract Value "column a" from \$310,518,041 to \$310,618,041, ii) revised Original Cogency. "column f" unallocated contingency from \$3,883,481 to \$3,845,945. In April 2015 report, used \$500K program contingency for CS-175 Bayland Soil Process contract. In August 2015 Report, added \$15M from Contract 1252. In March 2016 Report, the \$155,468 costs funded by other project offset credits added to program's unallocated contingency. In August 2016 Report, used \$15M to UMS contingency and \$5M to CTS contingency. In February 2017, increased \$5,265,478 from real estate contingency to program unallocated contingency and used \$1M for CN1300 Job Readiness Program contract.
25	The total Central Subway Project budget of \$1.578 billion, based on the October 2012 FFGA with the FTA, is the primary MPR report reference.
26	Estimate at Completion is shown at Column "e".
27	Estimate at Completion vs. Budget variance is shown at Column "k".

7.5 Contract Modification/Trend Log - Contract 1300 Stations

28	Reported all trend cost for Contractor Change Order Requests and Proposed Contract Change and applied probability to forecasted trends. In April 2016 Report, reviewed probability formula and adjusted cost. In May 2017, updated probability formula and adjusted cost.
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7.6 Budget Revisions: Report Sorted by Construction Packages

29	In Dec 2014 Report, reduced CN1252 allocated contingency by \$28K to execute Contract Modification #46, see Report 7.5 Detail Contingency Usage Report. In August 2015 report, release \$15M CN1252 Tunnel assigned contingency to program unallocated contingency. In March 2016 report, five contract modifications certified totaling \$377,435 of which \$155,468 is using another source of funding. Released \$155,648 from CN1252 Tunnel assigned contingency to program unallocated contingency. In May 2016 Report, reduced CN1252 allocated contingency by \$186K to execute Contract Modification #54 and #55, see Report 7.5 Detail Contingency Usage Report. In October 2016 Report, increased CN1252 allocated contingency by \$319,658 to execute three contract modifications (#57, #58 and #59), see Report 7.5 Detail Contingency Usage Report.
30	In February 2017 report, initiated budget from program unallocated contingencies for CN1300 Job Readiness Program. CN1300 Job Readiness Program budget was part of CN1300 base value, a deduction contract modification will lower CN1300 contract value.
31	In April 2015, initiated budget from program unallocated contingencies for CS-175 Bayland Soil Process contract, refer to Note 20.
32	In February 2017, released completed phase real estate assigned contingency \$5,265,478 to program unallocated contingency.

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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 using assigned contingency to process contract modifications. In June 2017, adjusted and realigned SCC codes.
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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 June 2017. The June 2017 Schedule Update submittal from Contract 1300 Contractor was not submitted due previous update corrections that needed to be completed before TPC provide the June update. The Contract 1300 schedule represented in this report is based on the SFMTA June 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. These changes allowed Contract 1300 Schedule to maintain the current forecasted Revenue Service Date of 10 December 2019 for the second month without additional delay.

Contract 1300 Contractor submitted thirty (30) Schedule Updates from December 2014 to May 2017. SFMTA rejected seventeen (17) Schedule Updates from December 2015 to April 2016 and June 2016 to May 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 June 2017 schedule is used within the June Report. The SFMTA Contract 1300 June 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
- Platform Cavern South Center Drift (top heading, bench, invert) is 30% complete
- Incidental street work (minor), ongoing monitoring and surveying
- Mockup for Final Waterproofing and Lining completed for the North Emergency Egress (NEE) Shaft and Tunnel
- Completed barrel vault installation for Reach 3
- Completed sewer replacement work on 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
- Platform Cavern North – begin center drift top heading, bench, and invert once 80' of Platform Cavern South Center Drift Invert is completed and convergence/settlement readings are stable
- Cross Over Cavern – continue with Left and Right Side Drift excavations for Top Heading and Invert

Activity ID	Activity Name	2017											
		Jun	Jul	Aug	Sep	Oct	Nov	Dec					
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.31.71.600	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												
CTS.31.71.620	Excavate & Construct Invert Step 6 South Platform Cavern 176Lf												
CTS.31.71.670	Excavate & Construct Right Sidewall & Headwall 268 Lf												
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.31.71.660	Excavate & Construct Left Sidewall & Headwall 268 Lf												
CTS.31.71.530	Complete Excavation & Support - South Emergency Egress Tunnel												
CTS.31.71.455	Excavation / Support Top Center Drift & Construct Headwall for North Platform Ca												
CTS.31.74.870	Final Lining South Emergency Egress Tunnel												
CTS.31.71.475	Excavation / Support Center Bench Invert & Construct Headwall for North Platform												
CTS.31.71.485	Demo Sidewall, Repair Headwall for North Platform Cavern Excavation												
CTS.31.74.550	Final Lining North Emergency Egress Tunnel												
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												
CTS.31.71.730	Excavate & Construct Invert - Crossover												
CTS.03.30.850	Concrete Stairs North Emergency Egress Tunnel												
C.3.860	North Emergency Egress Tunnel M.E.P												
CTS.33.31.300	CTS_Backfill & Complete Permanent Sewer Work In Washington St.												
CTS.33.11.220	CTS_Complete Water Distribution - Washington St												

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

- Platform Station: Temporary Strut Level 3 to invert: Completed removal of tunnel segments, continued excavation, chipping piles, installation of wales, struts, nelson studs, benches and starpacks. Installed mesh/drain pipe and placed shotcrete to walls. Emergency exit stairs 3 and 4: Repaired piles
- North Concourse: Commenced placing rebar for fan level HVAC duct invert and walls
- North Entrance: Continued concourse level steel erection and rough-in HVAC and Mechanical/Electrical/Plumbing MEP. At street level, backfilled PG&E conduits on north side of Geary Street
- South Concourse: Placed base and mud mat for Escalator Ramp. Placed initial shotcrete to East and West Wall of escalator ramp
- Ellis Street: Completed Market/Ellis tie into 8" water main

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

- Platform Station: Complete excavation, installation of temporary excavation support. Continue installation of mesh, drain pipe, and shotcrete. Form and pour invert slabs. Complete pile repairs at emergency exit stairs 3 and 4 and install waterproofing
- North Concourse: Construct HVAC duct walls, commence fan level invert slab
- South Concourse: Continue waterproofing to slab and walls of escalator ramp. Pour protection mat and place rebar to base slab. Install waterproofing and place rebar to exterior walls
- Ellis Street: Complete roadway utility installations. Complete backfill and permanent surface restoration

Activity ID	Activity Name	2017											
		Jun	Jul	Aug	Sep	Oct	Nov	Dec					
CENTRAL SUBWAY PROJECT													
Construction Phase													
Construction CN-1300													
Construction UMS Station P-1253													
Administrative / Milestones													
Preconstruction													
Engineering & Procurement													
Roof Deck Excavation, Construction, Restoration													
Excavation & Support													
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.05.12.2130	UMS_Attach 60 ea Platform Level Slab Stub Beam Assemblies To West Side Piles												
UMS.05.12.1360	UMS_Attach 60 ea Platform Level Slab Stub Beam Assemblies To East Side Piles												
UMS.31.50.1220	UMS_Install Temporary Struts - Level 3 Sta 132+50 To South Headwall												
UMS.31.43.150	UMS_Compensation Grouting - As Required												
UMS.03.37.0990	UMS_Install Studs, Mesh Drain Pipe & Shotcrete Pile Walls Temp Strut Level 2 To												
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.31.20.1345	UMS_Remove Temporary Struts & Wales For South Concourse Escalator												
UMS.03.37.1030	UMS_Install Studs, Mesh Drain Pipe & Shotcrete Pile Walls Platfm Strut Level To 1												
UMS.31.20.1130	UMS_Excavate to Bottom of Invert Slab & Expose Wide Flange Sta 132+50 To Soi												
UMS.03.30.1535	UMS_Form/Rebar/Pour Walls For South Concourse Escalator Upper Landing												
UMS.05.12.1370	UMS_Attach 40 ea Platform Level Slab Stub Beam Assemblies To West Side Piles												
UMS.05.12.1365	UMS_Attach 40 ea Platform Level Slab Stub Beam Assemblies To East Side Piles												
UMS.31.20.1355	UMS_Excavate HVAC Chase Beneath North Concourse Slab (Intermediate Strut												
UMS.03.37.1050	UMS_Install Studs, Mesh Drain Pipe & Shotcrete Pile Walls Temp Strut Level 3 To												
UMS.05.12.2250	UMS_Install W-Section Piles Reinforcement - (Intermediate Strut Level)												
Concrete/Shotcrete													
UMS.03.30.1830	UMS_Place 6" Mud Slab - South Concourse Slab on Grade												
UMS.03.30.1840	UMS_Place Grout Protection Slab - South Concourse Slab on Grade												
UMS.03.30.0100	UMS_Place Invert Level Granular Base Pours 1-4												
UMS.03.30.0110	UMS_Place Invert Level Mud Slab Pours 1-4												
UMS.07.13.0100	UMS_Install Invert Level Waterproofing System Pours 1-4												
UMS.03.30.0700	UMS_Place Invert Level Protective Grout Slab Pours 1-4												

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

- Continued to replace the force main and AWSS at 4th and Howard during the night
- Continued to investigate of utility conflicts for 36" force main at Howard
- Continued to install metal stairs at Stair 1 and Stair 4
- Continued pyrok plaster on Mezzanine and Concourse Level – Station Box
- Continued electrical rough-in on Mezzanine – Station Box
- Continued fire sprinkler piping rough-in on Concourse Level – Station Box
- Completed CMU wall supports Concourse Level – Station Box
- Started to install Stair 1 at Platform Level – Station Box
- Started to form Platform walls – Station Box
- Completed removal of struts and walers at Invert Level – Station Box and Headhouse
- Chipped slurry walls and drill and epoxy slurry wall rebar dowels for shotcrete walls – Station Box Invert Level
- Poured Columns C1, C2, C3, C4, C5, C6, C7, C11, C12
- Placed shotcrete leveling course – Headhouse Invert

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

- Continue pyrok plaster on Mezzanine and Concourse Level – Station Box

- Continue electrical rough-in on Mezzanine – Station Box
- Pour topping slab on Mezzanine – Station Box
- Continue fire sprinkler piping rough-in on Concourse Level – Station Box
- Start sidewalk and pavement replacement work on Clementina
- Continue utility work at intersection of 4th & Folsom
- Continue utility work at intersection of 4th & Howard
- Continue installation of Station Box Platform walls
- Continue drill and epoxy dowels for shotcrete walls in Invert – Station Box
- Start Stair 4 shoring and excavation
- Install Stair 1 and 4 at Platform Level – Station Box
- Pour Platform Walls – Station Box
- Install fire sprinkler main above ceiling – Invert Level Station Box
- Build and place curbs at A Line – Station Box
- Shotcrete 12” walls – Headhouse
- Pour Stair 5 and 6 walls – Headhouse
- Pour Elevator 3 and 4 walls – Headhouse

Activity ID	Activity Name	2017						
		Jun	Jul	Aug	Sep	Oct	Nov	Dec
CENTRAL SUBWAY PROJECT								
Construction Phase								
Construction CN-1300								
Construction YBM Station P-1255								
Administrative / Milestones								
Excavation & Support								
Y.1.620	Open all Traffic- 4th Street							
YBM.31.71.770	Excavation Complete							
YBM.31.50.121	Remove Headhouse Level 4 Struts							
YBM.31.50.131	Remove Headhouse Level 2 Struts GL 05-08							
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.22.14.110	YBM_IV Install Trench Drains & CB's- Station Invert Slab							
YBM.03.30.915	Form/ Rebar - Station Invert Slab Col 10-11							
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.03.30.1020	F/R/P Platform Level Columns (C1 - C12)							
YBM.03.37.105	Shotcrete/ Rebar- Platform Level Exterior Walls							
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:

- Completed 48” sewer installation at 4th/Bryant intersection
- Completed 10” force main at 4th/Brannan

- Continued 12" AWSS lateral installation on 4th/Brannan intersection
- Completed domestic water relocation at 4th/Townsend, 4th/Brannan and 4th/Welsh
- Continued 36" sewer force main at 4th/Bryant
- Continued OCS pole installation
- Completed all invert work in the tunnel
- Continued track plinth construction and track installation inside tunnels
- Continued pavement renovation along 4th Street

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

- Continue 36" sewer force main installation
- Continue 18" AWSS installation
- Continue MRY ductbank installation
- Continue OCS pole installation
- Continue domestic water relocation
- Continue AWSS installation
- Continue pavement renovation
- Continue Rail installation in Tunnel

Activity ID	Activity Name	2017											
		Jun	Jul	Aug	Sep	Oct	Nov	Dec					
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.34.42.2280	STS_Install: Train Control - Train Control Conduit - & JB's NB Union Square to C												
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.33.11.280	STS_Install: Utilities: Water Distribution 8" Main/Casing - 4th St @ Townsend St												
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.26.05.2010	STS_Install: Tunnel Electrical - Mini-Power Centers EP2-EP10 - SB Portal To Mos												
STS.33.51.110	STS_Install: Utilities: Gas Distribution 4" Main/Casing - 4th St @ Bryant Intersect												
STS.33.11.270	STS_Install: Utilities: Sewer: Casing for 10" Force Main - 4th St Sta @ Brannan S												

SCHEDULE REVISIONS

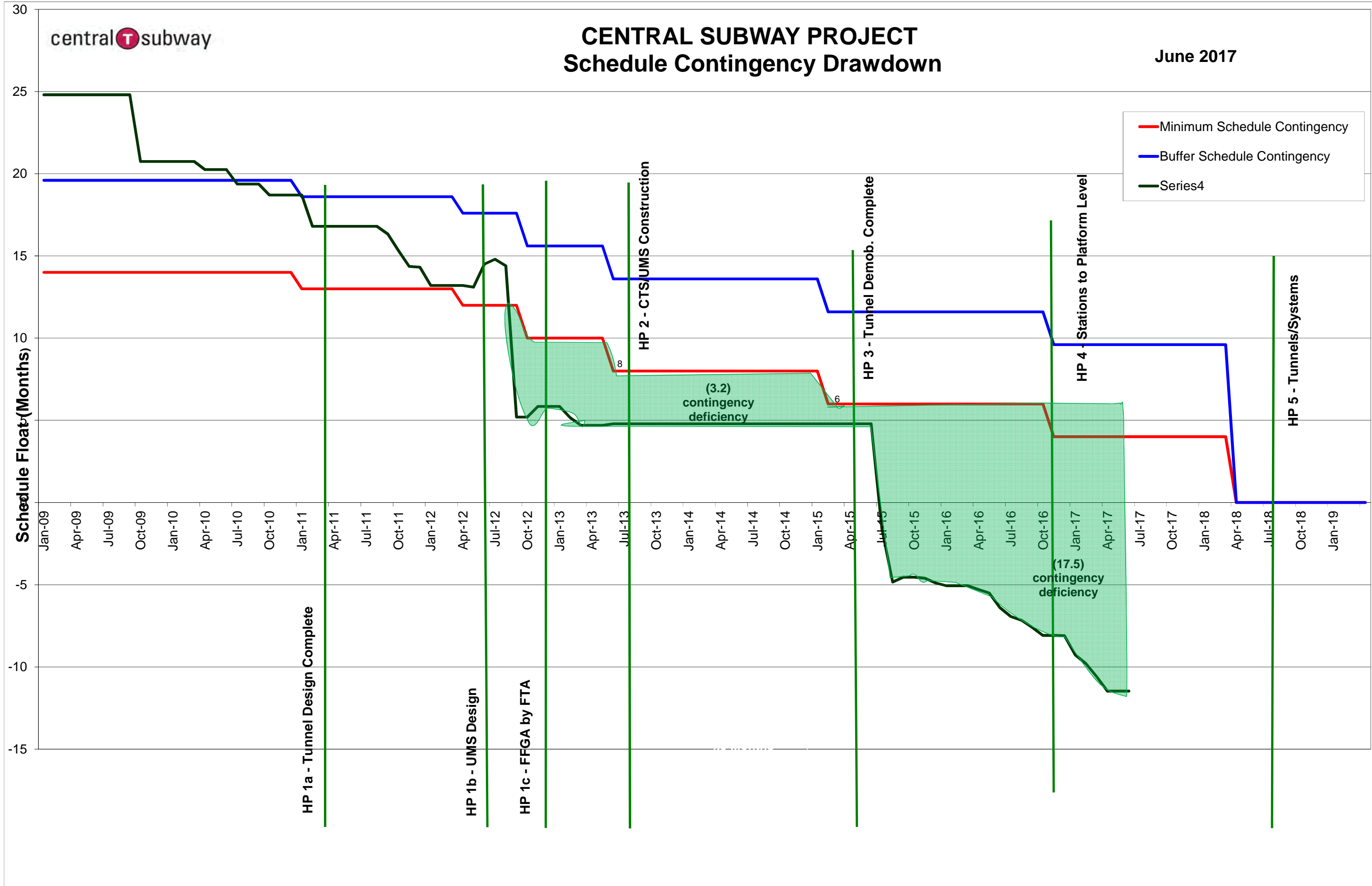
The SFMTA Contract 1300 June 2017 schedule update was added this period to the Central Subway Project Master Schedule.

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

June 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		4332	03-Jun-03 A	11-Jan-20	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		2290	15-Apr-13 A	22-Jul-19	Light Rail Vehicles														
Real Estate		3130	01-Aug-08 A	26-Jun-17	Real Estate														
Construction Phase		2613	04-Jan-10 A	11-Jan-20	Construction Phase														
Construction Support and Costs		2925	04-Jan-10 A	11-Jan-20	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	26-Jun-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		1626	03-Jun-13 A	11-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	
CENTRAL SUBWAY PROJECT						658	02-May-17 A	10-Dec-19	-249										
Program Level Milestones						77	24-Sep-19	10-Dec-19	-349										
MS0008	Construction Complete	0		24-Sep-19	-272													◆ Construction Complete	
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						658	02-May-17 A	10-Dec-19	-249										
Construction CN-1300						603	02-May-17 A	24-Sep-19	-194										
CN- 1300 Milestone						64	26-Jun-19	24-Sep-19	-194										
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) { 10-Feb-18 }	
STS1500	CN 1300 Substantial Completion	0		26-Jun-19	-350													◆ CN 1300 Substantial Completion	
BID-300C	CTS CONTINGENCY	90	26-Jun-19	24-Sep-19	-272													■ CTS CONTINGENCY	
C.Punch	Closeout Punchlist/Remaining Work	90	27-Jun-19	24-Sep-19	-501													■ Closeout Punchlist/Remaining Work	
MS-20	Final Completion - 1,790 Calendar Days (SP-4C)	0		24-Sep-19*	-501													◆ Final Completion - 1,790 Calendar Days (SP-4C)	
STS1520	CN 1300 Final Completion	0		24-Sep-19	-272													◆ CN 1300 Final Completion	
Construction CTS Station P-1254R						541	02-May-17 A	26-Jun-19	-358										
CTS.31.71.600	Excavate & Support Top Center Drift Step 4 South Platform Cavern 176Lf	71	02-May-17 A	15-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 A	13-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	02-Jun-17 A	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.31.50.330	Install Temp Level 6 Struts & Wales & Preload	10	14-Feb-18	27-Feb-18	-350													■ Install Temp Level 6 Struts & Wales & Preload	
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.31.20.335	Excavate to 3' Below Level 7 Struts EL -7.5 Col 4.0-11.0	15	16-Feb-18	08-Mar-18	-350													■ 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	-350													■ 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	-350													■ Excavate Headhouse to Invert Slab EL -18.67	
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.31.20.010	Prep Invert Slab, Install Ground Mat, Gravel, Mud Slab	5	28-Mar-18	03-Apr-18	-350													■ Prep Invert Slab, Install Ground Mat, Gravel, Mud Slab	
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.07.13.320	Install Waterproofing - Invert Slab	5	04-Apr-18	10-Apr-18	-350													■ Install Waterproofing - Invert Slab	
CTS.03.53.028	CTS_UP - FRP Topping Concrete @ Base Slab - Head House	1	11-Apr-18	11-Apr-18	-350													■ CTS_UP - FRP Topping Concrete @ Base Slab - Head House	
CTS.03.30.030	Form/Rebar/Pour - Invert Slab (Head House)	14	12-Apr-18	01-May-18	-350													■ Form/Rebar/Pour - Invert Slab (Head House)	
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.03.30.035	Form/Rebar/Pour/Strip - Columns & Walls Invert Slab to Platform Level	10	02-May-18	15-May-18	-350													■ Form/Rebar/Pour/Strip - Columns & Walls Invert Slab to Platform Level	
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.03.30.050	Form/Rebar/Pour - Platform Level Slab - Headhouse	15	16-May-18	06-Jun-18	-350													■ Form/Rebar/Pour - Platform Level Slab - Headhouse	
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.03.30.060	Concrete Cure/Strip - Platform Level Slab	5	07-Jun-18	13-Jun-18	-350													■ Concrete Cure/Strip - Platform Level Slab	
CTS.31.50.110	CTS_CN Remove Level 5 Struts & Wales	5	14-Jun-18	20-Jun-18	-350													■ CTS_CN Remove Level 5 Struts & Wales	
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.03.30.065	Form/Rebar/Pour/Strip - Columns Platform Slab to Concourse Level (3 ea)	5	21-Jun-18	27-Jun-18	-350													■ Form/Rebar/Pour/Strip - Columns Platform Slab to Concourse Level (3 ea)	
CTS.31.74.100	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.03.11.080	CTS_CN Install Falsework - For Headhouse Concourse Level Slab	10	28-Jun-18	12-Jul-18	-350													■ CTS_CN Install Falsework - For Headhouse Concourse Level Slab	
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.03.30.095	CTS_CN Form/Rebar/Pour - Headhouse Concourse Level Slab	15	06-Jul-18	26-Jul-18	-350													■ CTS_CN Form/Rebar/Pour - Headhouse Concourse Level Slab	
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.03.30.075	CTS_CN Form/Rebar/Pour/Strip - Columns Concourse Slab to Intermediate Level	5	27-Jul-18	02-Aug-18	-350													■ CTS_CN Form/Rebar/Pour/Strip - Columns Concourse Slab to Intermediate Level (3 ea)	
CTS.03.11.120	Install Falsework - For Intermediate Level Slab	10	03-Aug-18	16-Aug-18	-350													■ Install Falsework - For Intermediate Level Slab	
CTS.03.30.130	Form/Rebar/Pour - Intermediate Level Slab	10	08-Aug-18	21-Aug-18	-350													■ Form/Rebar/Pour - Intermediate Level Slab	
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.03.30.085	Form/Rebar/Pour/Strip - Columns Intermediate Slab to Lower Mezz Level	5	22-Aug-18	28-Aug-18	-350													■ Form/Rebar/Pour/Strip - Columns Intermediate Slab to Lower Mezz Level	
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	

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	
CTS.03.11.160	CTS_LM Install Falsework - For Lower Mezz Level Slab	10	29-Aug-18	12-Sep-18	-350							■ CTS_LM Install Falsework - For Lower Mezz Level Slab							
CTS.03.30.170	CTS_LM Form/Rebar/Pour - Lower Mezz Level Slab	14	04-Sep-18	21-Sep-18	-350							■ CTS_LM Form/Rebar/Pour - Lower Mezz Level Slab							
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.03.30.185	CTS_LM Concrete Cure - Lower Mezz Level Slab	5	24-Sep-18	28-Sep-18	-350							■ CTS_LM Concrete Cure - Lower Mezz Level Slab							
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.04.22.017	CTS_CN - Build - CMU Partition Walls - Head House Concourse Level	15	01-Oct-18	19-Oct-18	-350							■ CTS_CN - Build - CMU Partition Walls - Head House Concourse Level							
CTS.34.21.122	CTS_PL Station Platform: Install - Traction Power Box PS01 @ SB Track - Sec	3	08-Oct-18	10-Oct-18	-350							■ CTS_PL Station Platform: Install - Traction Power Box PS01 @ SB Track - Sector 2							
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.23.31.666	CTS_PL 18 - Main Elect Rm: Install - HVAC: Ductwork	9	22-Oct-18	01-Nov-18	-350							■ CTS_PL 18 - Main Elect Rm: Install - HVAC: Ductwork							
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 SB - Sector 2							
CTS.26.11.125	CTS_PL 18 - Main Elect Rm: Install - Elect Substation & Switchboard DS2	10	02-Nov-18	15-Nov-18	-350							■ CTS_PL 18 - Main Elect Rm: Install - Elect Substation & Switchboard DS2							
CTS.26.11.140	CTS_PL 18 - Main Elect Rm: Install - Elect Substation & Switchboard DS1	10	16-Nov-18	03-Dec-18	-350							■ CTS_PL 18 - Main Elect Rm: Install - Elect Substation & Switchboard DS1							
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 - Sector 2 North							
CTS.26.11.135	CTS_PL 18 - Main Elect Rm: Install - Elect Substation & SWGR SG2	10	04-Dec-18	17-Dec-18	-350							■ CTS_PL 18 - Main Elect Rm: Install - Elect Substation & SWGR SG2							
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.26.11.145	CTS_PL 18 - Main Elect Rm: Install - Elect Substation & SWGR SG1	9	18-Dec-18	31-Dec-18	-350							■ CTS_PL 18 - Main Elect Rm: Install - Elect Substation & SWGR SG1							
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.26.11.165	CTS_PL 18 - Main Elect Rm: Install Conduit From Pull Boxes PB1 & PB2 to Su	7	02-Jan-19	10-Jan-19	-350							■ CTS_PL 18 - Main Elect Rm: Install Conduit From Pull Boxes PB1 & PB2 to Substations							
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.26.11.195	CTS_PL 18 - Main Elect Rm:Install Conduit Substations SG1 & SG2 To Substat	6	11-Jan-19	18-Jan-19	-350							■ CTS_PL 18 - Main Elect Rm:Install Conduit Substations SG1 & SG2 To Substation DS1 & DS							
CTS.26.11.205	CTS_PL 18 - Main Elect Rm:Install Conduit Substations SG1 & SG2 To A/C TPSS	5	21-Jan-19	25-Jan-19	-350							■ CTS_PL 18 - Main Elect Rm:Install Conduit Substations SG1 & SG2 To A/C TPSS Equipmen							
CTS.26.11.235	CTS_PL 18 - Main Elect Rm:Pull & Terminate Power Cable Substations SG1 Tr	5	28-Jan-19	01-Feb-19	-350							■ CTS_PL 18 - Main Elect Rm:Pull & Terminate Power Cable Substations SG1 To A/C TPSS							
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 Flooring Sector 2							
CTS.26.11.900	CTS_PL 18 - Main Elect Rm: Energize Main Substation SG1 & SG2	5	04-Feb-19	08-Feb-19	-350							■ CTS_PL 18 - Main Elect Rm: Energize Main Substation SG1 & SG2							
CTS.09.66.618	CTS_PL Station Platform Cross-Cut Cavern: Install - Terrazzo Cove Base Sectr	5	06-Feb-19	12-Feb-19	-350							■ CTS_PL Station Platform Cross-Cut Cavern: Install - Terrazzo Cove Base Sector 2							
CTS.26.11.905	CTS_PL 18 - Main Elect Rm: Energize Substation DS1 & DS2	5	11-Feb-19	15-Feb-19	-350							■ CTS_PL 18 - Main Elect Rm: Energize Substation DS1 & DS2							
CTS.34.21.915	CTS_PL 18 - Main Elect Rm: Energize A/C TPSS Equipment	5	11-Feb-19	15-Feb-19	-350							■ CTS_PL 18 - Main Elect Rm: Energize A/C TPSS Equipment							
CTS.09.66.620	CTS_PL Station Platform Cross-Cut Cavern: Grind & Polish - Terrazzo Floorin	10	13-Feb-19	26-Feb-19	-350							■ CTS_PL Station Platform Cross-Cut Cavern: Grind & Polish - Terrazzo Flooring & Cove							
CTS.26.24.990	CTS_UP_02 - Equip Corridor- Energize - 5kV Switchgear "SG-TV"	1	18-Feb-19	18-Feb-19	-350							■ CTS_UP_02 - Equip Corridor- Energize - 5kV Switchgear "SG-TV"							
CTS.34.21.935	CTS_PL 18 - Main Elect Rm: Energize DC TPSS Equipment	5	18-Feb-19	22-Feb-19	-350							■ CTS_PL 18 - Main Elect Rm: Energize DC TPSS Equipment							
CTS.26.24.101	CTS_UP_02 - Equip Corridor Energize MCC - Emergency Ventilation	1	19-Feb-19	19-Feb-19	-350							■ CTS_UP_02 - Equip Corridor Energize MCC - Emergency Ventilation							
CTS.23.88.10	CTS_UP_04 - Emerg Fan Rm: Start-Up & Test Tunnel Ventilation Fans	3	20-Feb-19	22-Feb-19	-350							■ CTS_UP_04 - Emerg Fan Rm: Start-Up & Test Tunnel Ventilation Fans							
CTS.14.24.255	CTS-PL 05: Assemble Elevator #1	15	27-Feb-19	19-Mar-19	-350							■ CTS-PL 05: Assemble Elevator #1							
CTS.14.24.265	CTS-PL 05: Assemble Elevator #2	13	20-Mar-19	05-Apr-19	-350							■ CTS-PL 05: Assemble Elevator #2							
CTS.14.24.275	CTS-PL 05: Install Elevator Power & Controls	9	08-Apr-19	18-Apr-19	-350							■ CTS-PL 05: Install Elevator Power & Controls							
CTS.08.44.265	CTS_PL Install Elevators 1 & 2 Glass Enclosure - Crosscut Platform Level	9	08-Apr-19	18-Apr-19	-350							■ CTS_PL Install Elevators 1 & 2 Glass Enclosure - Crosscut Platform Level							
CTS.08.44.580	Install Elevators 1 & 2 Glass Enclosure - Crosscut Concourse Level	9	08-Apr-19	18-Apr-19	-350							■ Install Elevators 1 & 2 Glass Enclosure - Crosscut Concourse Level							
CTS.14.24.285	CTS-PL 05: Startup & Test Elevators 1&2	4	19-Apr-19	24-Apr-19	-350							■ CTS-PL 05: Startup & Test Elevators 1&2							
CTS.14.24.295	CTS-PL 05:Inspections - Elevators 1&2	1	25-Apr-19	25-Apr-19	-350							■ CTS-PL 05:Inspections - Elevators 1&2							
CTS.01.80.00	CTS- Building Systems Start-up & Testing	44	25-Apr-19	26-Jun-19	-350							■ CTS- Building Systems Start-up & Testing							
Construction STS P-1256		83	25-Feb-19	20-Jun-19	-350														
STS.34.42.425	Startup & Testing - Tunnel & ATSC Systems	83	25-Feb-19	20-Jun-19	-350							■ Startup & Testing - Tunnel & ATSC Systems							
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							■ S&S Certification / Pre-Revenue Activities							
BUF0018	Muni Float	0	10-Dec-19	10-Dec-19	-241							■ Muni Float							

Activity Name	Original Duration	Start	Finish	2012				2013				2014				2015				2016				2017				2018				2019			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
CENTRAL SUBWAY PROJECT	2232	08-Jun-11 A	24-Sep-19																																
Construction Phase	2232	08-Jun-11 A	24-Sep-19																																
Construction Tunnels CN-1252	1518	08-Jun-11 A	15-May-15 A																																
1252 Tunnel Contract BIH	1518	08-Jun-11 A	15-May-15 A																																
Contract Milestones	1437	08-Jun-11 A	15-May-15 A																																
General Conditions	1480	01-Aug-11 A	15-May-15 A																																
4th & Bryant St TBM Launch Box Construction	686	30-Mar-12 A	02-Jun-14 A																																
Moscone Station Headwalls	430	14-May-12 A	20-Sep-13 A																																
UMS Station Headwalls	425	24-Jul-12 A	22-Nov-13 A																																
UMS - Remove Geary to Ellis OCS	5	24-Jul-12 A	26-Jul-12 A																																
UMS - Setup Traffic Control for Headwall Construction	1	30-Jul-12 A	30-Jul-12 A																																
North Headwall	237	27-Feb-13 A	22-Nov-13 A																																
South Headwall	404	31-Jul-12 A	22-Nov-13 A																																
4th St and Market Compensation Grouting	707	28-Jan-13 A	30-Apr-15 A																																
Southbound Tunneling	451	27-Apr-13 A	13-Oct-14 A																																
Ellis St Compensation Grouting	561	31-Jul-12 A	09-May-14 A																																
Green St Compensation Grouting	320	05-Aug-13 A	30-Jun-14 A																																
Retrieval Shaft	1070	31-Oct-11 A	20-Mar-15 A																																
Cross Passage 1-5	339	22-Mar-14 A	16-Apr-15 A																																
Cross Passage 1	79	14-Jun-14 A	13-Sep-14 A																																
Cross Passage 2	105	10-May-14 A	09-Sep-14 A																																
Cross Passage 3	127	31-Mar-14 A	28-Aug-14 A																																
Cross Passage 4	114	22-Mar-14 A	31-Jul-14 A																																
Cross Passage 5	277	31-May-14 A	16-Apr-15 A																																
Portal Structure	196	02-Sep-14 A	15-Apr-15 A																																
Contract Close Out	307	03-Mar-14 A	15-May-15 A																																
Construction CN-1300	1704	03-Jun-13 A	24-Sep-19																																
CN- 1300 Milestone	1635	17-Jun-13 A	24-Sep-19																																
Construction UMS Station P-1253	1704	17-Jun-13 A	27-Jun-19																																
Construction CTS Station P-1254R	1572	17-Jun-13 A	27-Jun-19																																
Construction YBM Station P-1255	1651	10-Jun-13 A	27-Jun-19																																
Construction STS P-1256	1626	03-Jun-13 A	11-Sep-19																																

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																						
Light Rail Vehicles						451	29-Aug-16 A	11-Jul-18	-143													
Construction Phase						1518	14-Oct-13 A	20-Jul-20	366													
Construction Support and Costs						1713	31-Mar-14 A	20-Jul-20	512													
Construction CN-1300						1518	14-Oct-13 A	11-Sep-19	9													
Construction UMS Station P-1253						1403	14-Oct-13 A	03-Apr-19	124													
Preconstruction						15	16-Jan-18	05-Feb-18	4													
Engineering & Procurement						126	14-Oct-13 A	22-Dec-17	-6													
Site Work / Utility Relocation						58	06-Nov-18	30-Jan-19	-198													
Roof Deck Excavation,Construction,Restoration						15	16-Nov-15 A	18-Jul-17	-49													
Excavation & Support						225	08-Aug-16 A	14-Aug-17	-152													
UMS.03.37.0700	UMS_ Install Drain Pipe & Grout Fill Void Between Piles - Roof To Concourse Level Sta 132+50 t	10	08-Aug-16 A	26-Jun-17	-291																	
UMS.31.20.1120	UMS_ Excavate to Bottom of North Concourse Slab (Intermediate Strut Level)	5	06-Sep-16 A	24-Jul-17	-191																	
UMS.03.30.1525	UMS_ Form/Rebar/Pour Invert Slab For South Concourse Escalator Upper Landing	10	25-Oct-16 A	10-Jul-17	-140																	
UMS.05.12.2130	UMS_ Attach 60 ea Platform Level Slab Stub Beam Assemblies To West Side Piles - Sta 132+50	15	15-Jun-17 A	03-Jul-17	-289																	
UMS.05.12.1360	UMS_ Attach 60 ea Platform Level Slab Stub Beam Assemblies To East Side Piles - Sta 132+50 T	15	15-Jun-17 A	07-Jul-17	-289																	
UMS.31.50.1220	UMS_ Install Temporary Struts - Level 3 Sta 132+50 To South Headwall	10	16-Jun-17 A	12-Jul-17	-291																	
UMS.31.43.150	UMS_ Compensation Grouting - As Required	10	26-Jun-17	10-Jul-17	-186																	
UMS.03.37.0990	UMS_ Install Studs, Mesh Drain Pipe & Shotcrete Pile Walls Temp Strut Level 2 To Platfm Strut L	10	26-Jun-17	10-Jul-17	-283																	
UMS.05.12.1210	UMS_ Install Permanent Wales Platform Strut Level Sta 132+50 To South Headwall	10	26-Jun-17	10-Jul-17	-291																	
UMS.03.37.0995	UMS_ Install Studs, Mesh Drain Pipe & Shotcrete Pile Walls Temp Strut Level 2 To Platfm Strut Le	10	26-Jun-17	10-Jul-17	-286																	
UMS.31.20.1345	UMS_ Remove Temporary Struts & Wales For South Concourse Escalator	3	11-Jul-17	13-Jul-17	-140																	
UMS.03.37.1030	UMS_ Install Studs, Mesh Drain Pipe & Shotcrete Pile Walls Platfm Strut Level To Temp Strut Lev	10	11-Jul-17	24-Jul-17	-286																	
UMS.31.20.1130	UMS_ Excavate to Bottom of Invert Slab & Expose Wide Flange Sta 132+50 To South Headwall	3	13-Jul-17	17-Jul-17	-291																	
UMS.03.30.1535	UMS_ Form/Rebar/Pour Walls For South Concourse Escalator Upper Landing	10	14-Jul-17	27-Jul-17	-140																	
UMS.05.12.1370	UMS_ Attach 40 ea Platform Level Slab Stub Beam Assemblies To West Side Piles - Sta 132+50 T	10	18-Jul-17	31-Jul-17	-291																	
UMS.05.12.1365	UMS_ Attach 40 ea Platform Level Slab Stub Beam Assemblies To East Side Piles - Sta 132+50 T	10	18-Jul-17	31-Jul-17	-291																	
UMS.31.20.1355	UMS_ Excavate HVAC Chase Beneath North Concourse Slab (Intermediate Strut Level)	5	25-Jul-17	31-Jul-17	-191																	
UMS.03.37.1050	UMS_ Install Studs, Mesh Drain Pipe & Shotcrete Pile Walls Temp Strut Level 3 To Invert Sta 132+	10	25-Jul-17	07-Aug-17	-286																	
UMS.05.12.2250	UMS_ Install W-Section Piles Reinforcement - (Intermediate Strut Level)	10	01-Aug-17	14-Aug-17	-178																	
Concrete/Shotcrete						569	03-Feb-16 A	27-Jul-18	-128													
Structural Steel						225	16-Aug-17	06-Jul-18	-257													
Masonry						260	16-Aug-17	24-Aug-18	-223													
Mechanical						289	20-Oct-17	12-Dec-18	-233													
Electrical						410	07-Sep-17	03-Apr-19	-298													
Electrical - Transportation						303	14-Sep-17	26-Nov-18	-232													
Architectural Finishes						358	11-Sep-17	23-Jan-19	-262													
Conveyances						209	19-Feb-18	13-Dec-18	-214													
Stairs						339	16-Aug-17	18-Dec-18	-231													
Startup & Testing						61	24-Dec-18	20-Mar-19	-291													
No 13-Disp						413	26-Jun-17	23-Jan-19	174													
Construction CTS Station P-1254R						1441	06-Aug-14 A	27-Jun-19	63													
Preconstruction						15	16-Jan-18	05-Feb-18	4													
Site Work / Utility Relocation						448	26-Jun-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	20-Jul-17	140																	
CTS.31.50.330	Install Temp Level 6 Struts & Wales & Preload	10	14-Feb-18	27-Feb-18	-350																	
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	-350																	
CTS.31.50.370	Install Temp Level 7 Struts & Wales & Preload	10	26-Feb-18	09-Mar-18	-350																	

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.31.20.380	Excavate Headhouse to Invert Slab EL -18.67	12	12-Mar-18	27-Mar-18	-350																		
CTS.31.50.070	Remove Level 6 & 7 Struts & Wales	5	14-Jun-18	20-Jun-18	-345																		
CTS.31.50.110	CTS_CN Remove Level 5 Struts & Wales	5	14-Jun-18	20-Jun-18	-350																		
CTS.31.50.150	CTS_CN Remove Level 4 Struts & Wales	5	03-Aug-18	09-Aug-18	-307																		
CTS.31.50.195	Remove Level 3 Struts & Wales	5	01-Oct-18	05-Oct-18	-342																		
CTS.31.50.235	Remove Level 2 Struts & Wales	5	08-Oct-18	12-Oct-18	-333																		
CTS.31.50.240	Remove Level 1 Struts & Wales	5	31-Oct-18	06-Nov-18	-343																		
Tunnel / Cavern Mining		188	02-May-17 A	27-Feb-18	-212																		
CTS.31.71.600	Excavate & Support Top Center Drift Step 4 South Platform Cavern 176Lf	71	02-May-17 A	15-Aug-17	-351																		
CTS.31.71.610	Excavate & Support Center Bench Step 5 South Platform Cavern 176Lf	71	31-May-17 A	13-Sep-17	-351																		
CTS.31.71.620	Excavate & Construct Invert Step 6 South Platform Cavern 176Lf	71	02-Jun-17 A	15-Sep-17	-351																		
CTS.31.71.670	Excavate & Construct Right Sidewall & Headwall 268 Lf	55	05-Jun-17 A	01-Sep-17	-342																		
CTS.31.71.520	Initial Excavation & Support - South Emergency Egress Tunnel	10	26-Jun-17	10-Jul-17	-57																		
CTS.31.71.660	Excavate & Construct Left Sidewall & Headwall 268 Lf	55	26-Jun-17	12-Sep-17	-342																		
CTS.31.71.530	Complete Excavation & Support - South Emergency Egress Tunnel	5	11-Jul-17	17-Jul-17	-57																		
CTS.31.71.455	Excavation / Support Top Center Drift & Construct Headwall for North Platform Cavern Excavation	35	13-Jul-17	30-Aug-17	-207																		
CTS.31.71.475	Excavation / Support Center Bench Invert & Construct Headwall for North Platform Cavern Excavation	35	27-Jul-17	14-Sep-17	-207																		
CTS.31.71.485	Demo Sidewall, Repair Headwall for North Platform Cavern Excavation	10	15-Sep-17	28-Sep-17	-207																		
CTS.31.71.690	Install Ramp For Center Drift	2	18-Sep-17	19-Sep-17	-351																		
CTS.31.71.630	Demo Sidewalls & Repair Headwall South Platform Cavern 176Lf	10	18-Sep-17	29-Sep-17	-351																		
CTS.31.71.700	Excavate & Support Center Drift	90	20-Sep-17	30-Jan-18	-351																		
CTS.31.71.720	Excavate & Support Center Bench - Crossover	90	27-Sep-17	06-Feb-18	-351																		
CTS.31.71.730	Excavate & Construct Invert - Crossover	90	04-Oct-17	13-Feb-18	-351																		
CTS.31.71.800	TB-4 SEM Additional Flashcrete	30	21-Nov-17	05-Jan-18	-263																		
CTS.31.71.810	TB-5 SEM Additional Shotcrete	30	21-Nov-17	05-Jan-18	-263																		
CTS.31.71.820	TB-6 SEM Additional Lattice Girders	30	21-Nov-17	05-Jan-18	-263																		
CTS.31.71.830	TB-7 SEM Additional Steel Arches	30	21-Nov-17	05-Jan-18	-263																		
CTS.31.71.840	TB-8 SEM Additional Face Bolts	30	21-Nov-17	05-Jan-18	-263																		
CTS.31.71.850	TB-9 SEM Additional Metal Sheets	30	21-Nov-17	05-Jan-18	-263																		
CTS.31.71.860	TB-10 SEM Additional Probe Holes	30	21-Nov-17	05-Jan-18	-263																		
CTS.31.71.870	TB-11 SEM Additional Grout Holes	30	21-Nov-17	05-Jan-18	-263																		
CTS.31.71.880	TB-12 SEM Additional Permeation Grouting	30	21-Nov-17	05-Jan-18	-263																		
CTS.31.71.890	TB-13 SEM Additional Pocket Excavation	30	21-Nov-17	05-Jan-18	-263																		
CTS.31.71.900	TB-14 SEM Additional Drilled Gravity Dewatering Pipes/ Gravity Well Points	30	21-Nov-17	05-Jan-18	-263																		
CTS.31.71.910	TB-15 SEM Additional Vacuum Well Points	30	21-Nov-17	05-Jan-18	-263																		
CTS.31.71.780	TB-2 SEM Additional Grouted Pipe Spiles	30	21-Nov-17	05-Jan-18	-263																		
CTS.31.71.790	TB-3 SEM Additional Barrel Vault Pipes	30	21-Nov-17	05-Jan-18	-263																		
CTS.31.71.770	TB-1 SEM Additional Rebar Spiles	30	21-Nov-17	05-Jan-18	-263																		
CTS.31.71.740	Demo Sidewalls, Repair Headwall & Top Joint - Crossover	10	14-Feb-18	27-Feb-18	-351																		
Cavern Lining		305	18-Jul-17	17-Sep-18	-333																		
Concrete/Shotcrete		365	13-Oct-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		179	18-Jul-18	25-Mar-19	-337																		
Misc Metal		178	18-Jul-18	29-Mar-19	-332																		
Electrical		187	27-Jul-18	15-Apr-19	-342																		
Electrical - Transportation		79	21-Sep-18	15-Jan-19	-322																		
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																		

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	
No 13-Disp		1441	06-Aug-14 A	27-Jun-19	63														
Construction YBM Station P-1255						1292	25-Mar-15 A	18-Mar-19	136										
Preconstruction						15	16-Jan-18	05-Feb-18	4										
Excavation & Support						547	25-Apr-16 A	13-Sep-18	-179										
Y.1.620	Open all Traffic- 4th Street	1	25-Apr-16 A	09-Nov-17	36														
YBM.31.50.121	Remove Headhouse Level 4 Struts	10	27-Nov-17	08-Dec-17	-245														
YBM.31.50.131	Remove Headhouse Level 2 Struts GL 05-08	5	19-Feb-18	23-Feb-18	-245														
YBM.31.50.141	Remove Headhouse Level 2 Struts GL 08-11	5	20-Mar-18	26-Mar-18	-234														
YBM.31.20.510	Demo Stair #4 opening/ Excavate to Stair #4 invert Level	10	31-May-18	13-Jun-18	-171														
YBM.31.20.520	Backfill Stair #4 to Surface Level	10	30-Aug-18	13-Sep-18	-191														
Concrete/Shotcrete						454	14-Nov-16 A	04-Oct-18	-181										
Mechanical						5	12-Feb-18	16-Feb-18	-97										
Electrical						320	25-Jul-17	15-Oct-18	-242										
Electrical - Transportation						297	26-Jun-17	14-Aug-18	-198										
Conveyances						143	04-Apr-18	24-Oct-18	-241										
Startup & Testing						61	20-Dec-18	18-Mar-19	-279										
No 13-Disp		1209	25-Mar-15 A	21-Nov-18	219														
Construction STS P-1256						1232	06-Apr-15 A	11-Sep-19	9										
Preconstruction						15	16-Jan-18	05-Feb-18	4										
Site Work / Utility Relocation						78	25-Jul-17	13-Nov-17	-287										
STS.33.31.260	STS_Install New 18" Sewer Lateral In Welsh St To Future 48" Manhole	5	25-Jul-17	31-Jul-17	-244														
STS.33.31.400	STS_Install New 27" Sewer PipeCasing Connecting Offset Manhole To East MH @ 4th St/Townsend	10	16-Aug-17	29-Aug-17	-260														
STS.33.31.445	Install New 48" Gravity Sewer Main Manhole @ 4th/Welsh St	15	16-Aug-17	06-Sep-17	-302														
STS.33.31.410	STS_Install New CB's, 10" & 24" Sewer Piping @ 4th St/Townsend - East Side	15	30-Aug-17	20-Sep-17	-260														
STS.33.31.450	Install New 48" Gravity Sewer Main - Bryant St To Welsh St.	15	07-Sep-17	27-Sep-17	-302														
STS.33.31.390	STS_Install New Sewer Manhole @ 4th St/Townsend - East Side	10	21-Sep-17	04-Oct-17	-260														
STS.33.31.120	Install New 36" Force Main Sewer @ 4th/Bryant	10	28-Sep-17	11-Oct-17	-302														
STS.33.31.500	Install New 36" Force Main Sewer 4th St - Bryant To Welsh	7	12-Oct-17	20-Oct-17	-302														
STS.33.31.505	Install New 36" Force Main Sewer 4th St - Through Welsh St Intersection	5	23-Oct-17	27-Oct-17	-302														
STS.33.31.525	Install New 36" Force Main Sewer 4th St - Through Brannan St Intersection	10	30-Oct-17	13-Nov-17	-302														
Concrete/Shotcrete						70	14-Nov-17	23-Feb-18	-55										
STS.03.30.100	STS_F/R/P PileCaps & Footing Slab	15	14-Nov-17	06-Dec-17	-262														
STS.03.30.120	STS_F/R/P Platform Walls	15	07-Dec-17	28-Dec-17	-262														
STS.03.30.122	STS_Install Ledger Angle & Metal Deck Platform Deck	10	29-Dec-17	12-Jan-18	-186														
STS.03.30.125	STS_F/R/P Platform Deck	15	15-Jan-18	02-Feb-18	-186														
STS.03.30.145	STS_F/R/P Platform Ramp & Stairs	10	05-Feb-18	16-Feb-18	-55														
STS.03.30.135	STS_Place Topping Slab 4th/Brannan Platform Deck	5	19-Feb-18	23-Feb-18	-55														
Tunnel Concrete						417	18-Nov-16 A	07-Nov-18	-205										
Structural Steel						15	30-Apr-18	18-May-18	-246										
Electrical						173	21-May-18	25-Jan-19	-287										
Electrical - Transportation						21	26-Sep-18	24-Oct-18	-298										
Trackwork						447	14-Nov-16 A	14-Dec-18	-235										
Track System Work						1196	06-Apr-15 A	11-Sep-19	-338										
Startup & Testing						83	25-Feb-19	20-Jun-19	-350										
No 13-Disp		691	25-Sep-15 A	16-Mar-19	137														

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:

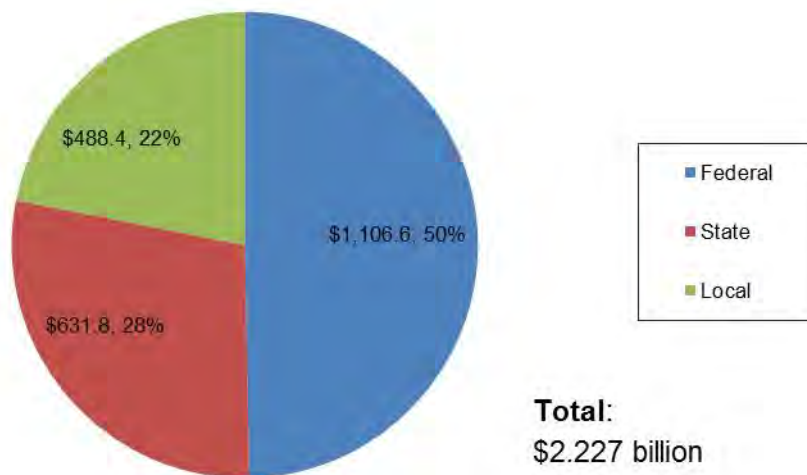
- Phase 1 + Phase 2 of the T Third Line federal, state and local funding percentages previous to the addition of the retrieval shaft relocation budget and funding in December 2013.

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.

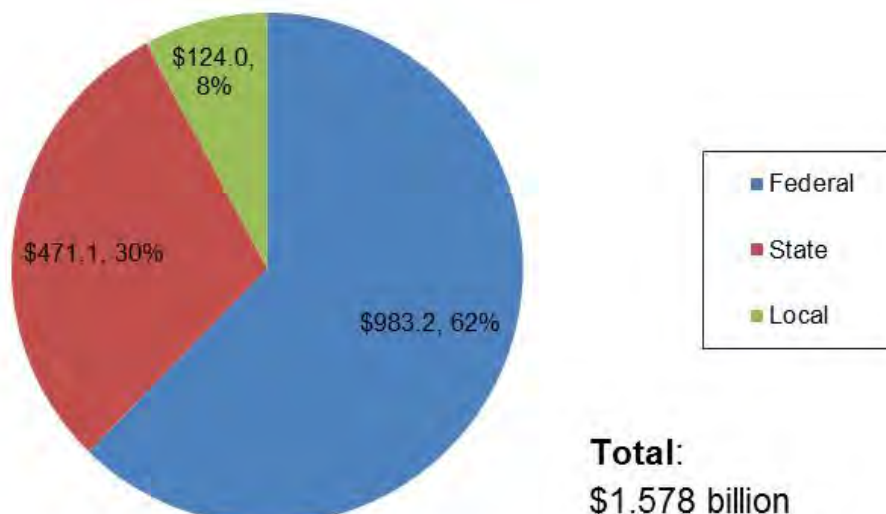
Third Street Light Rail Transit Project Funding

Phase 1 + Phase 2
(\$ in millions)



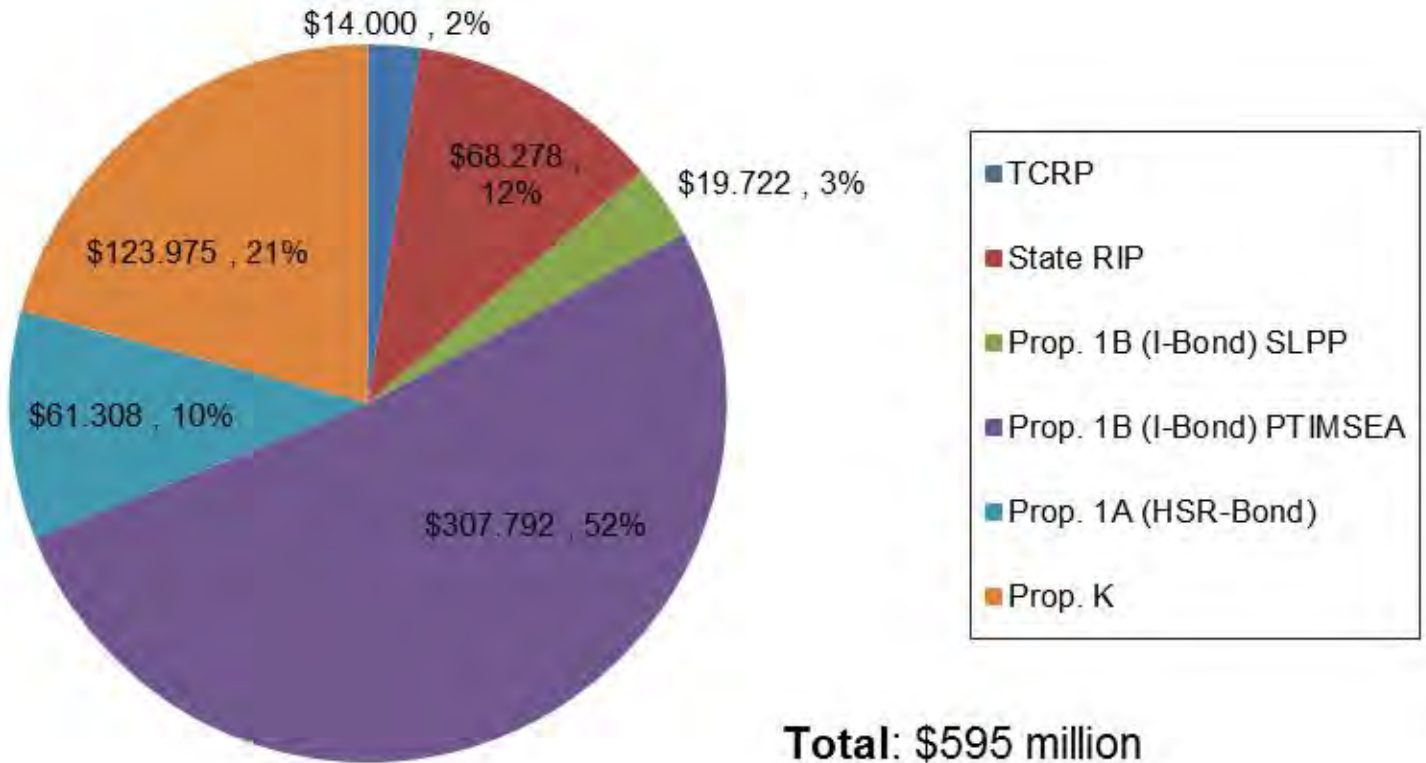
Central Subway Project Funding

Phase 2
(\$ in millions)



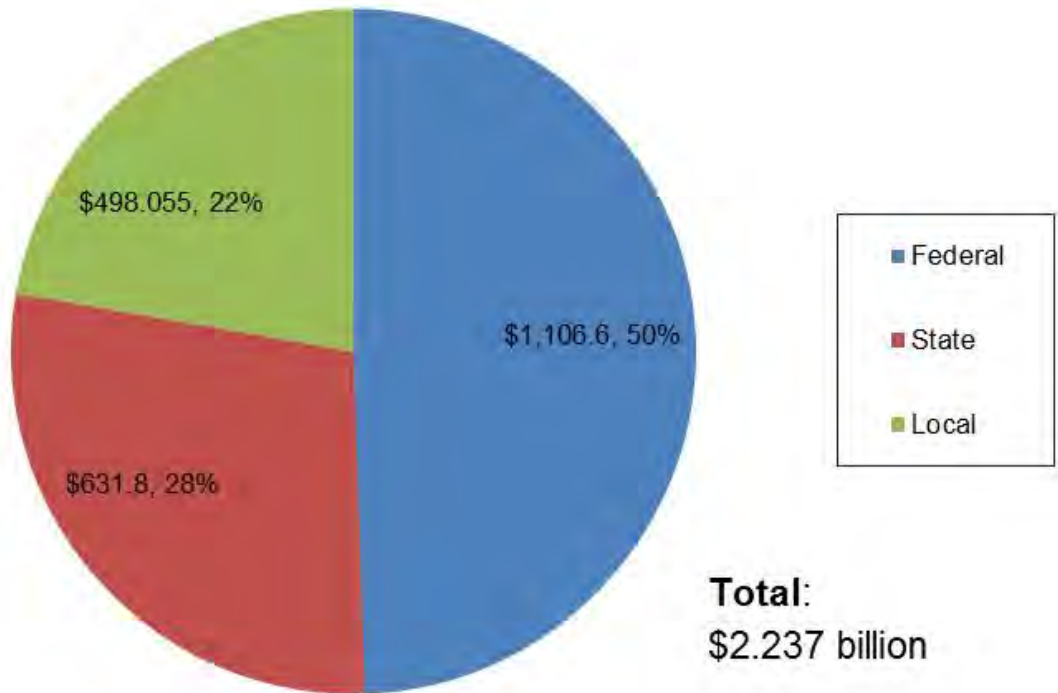
State and Local Funding

Phase 2
(\$ in millions)



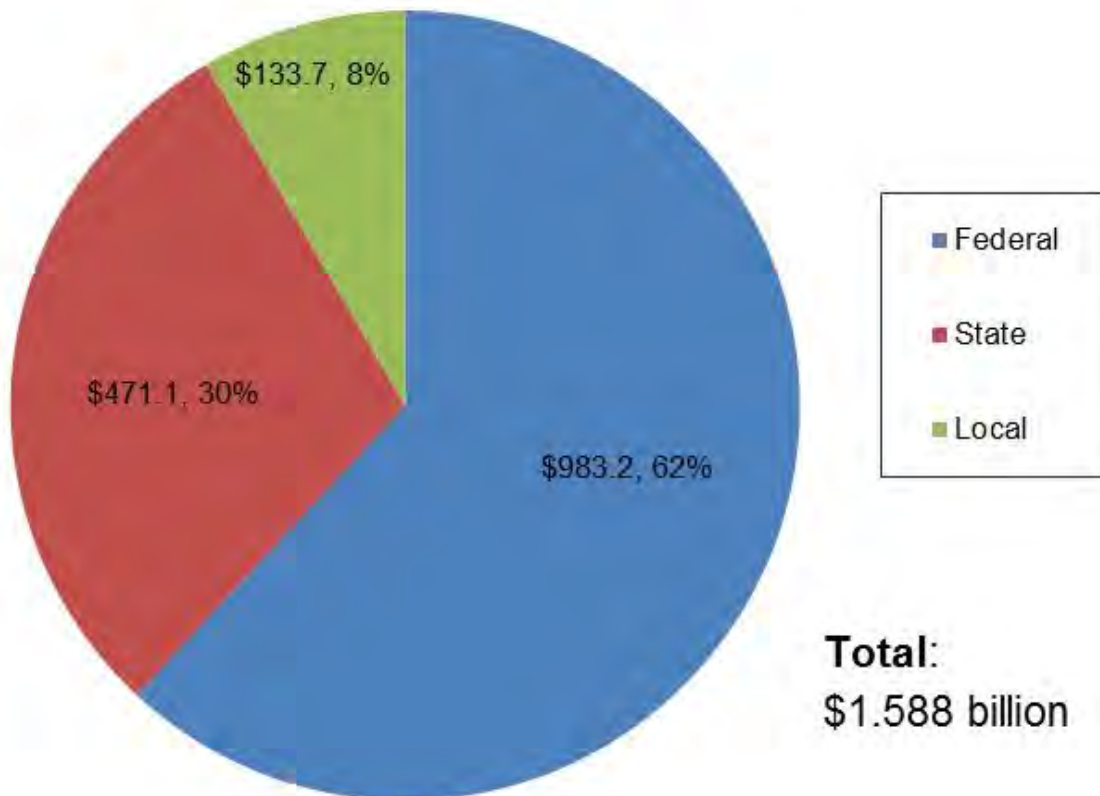
Third Street Light Rail Transit Project Funding

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

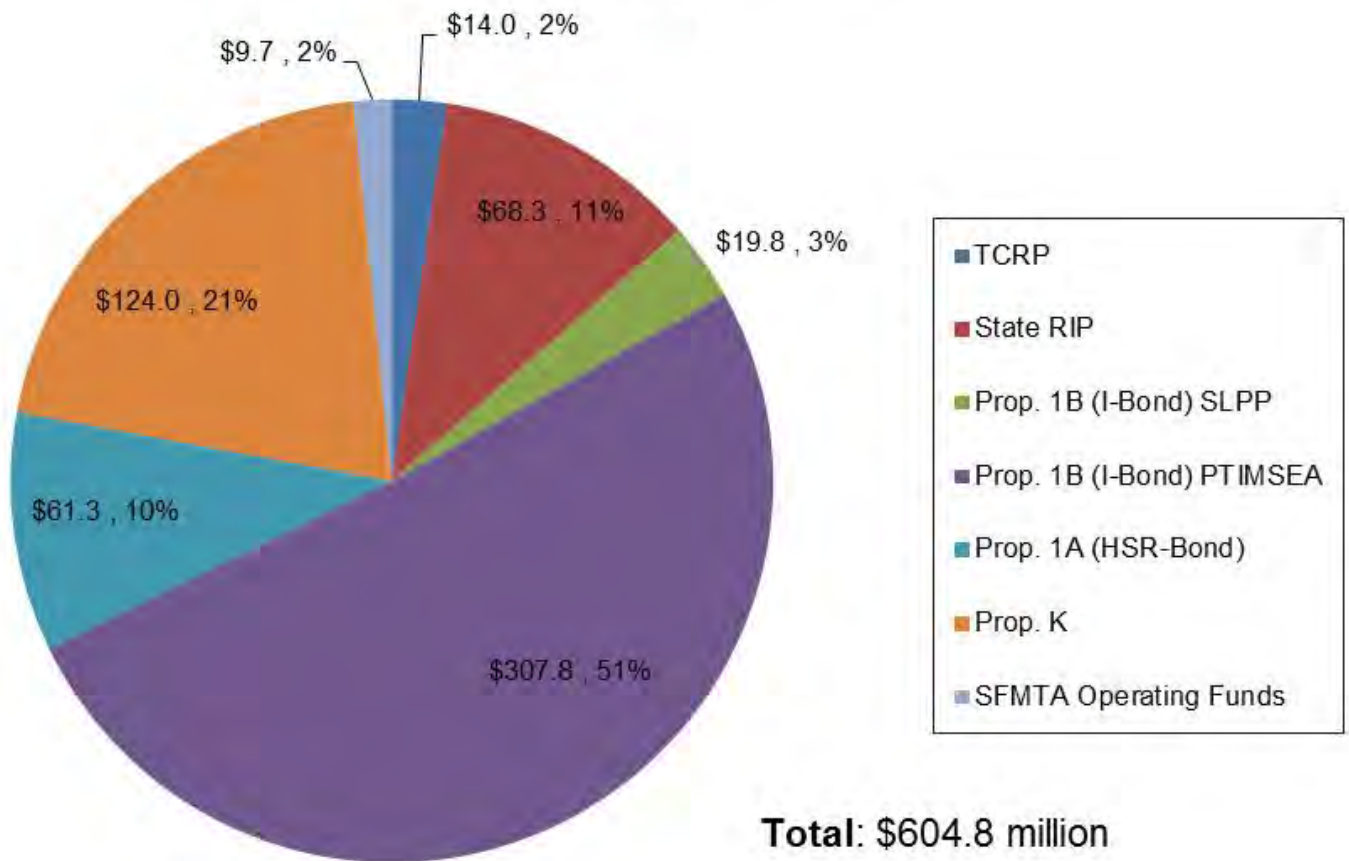


Central Subway Project Funding

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)

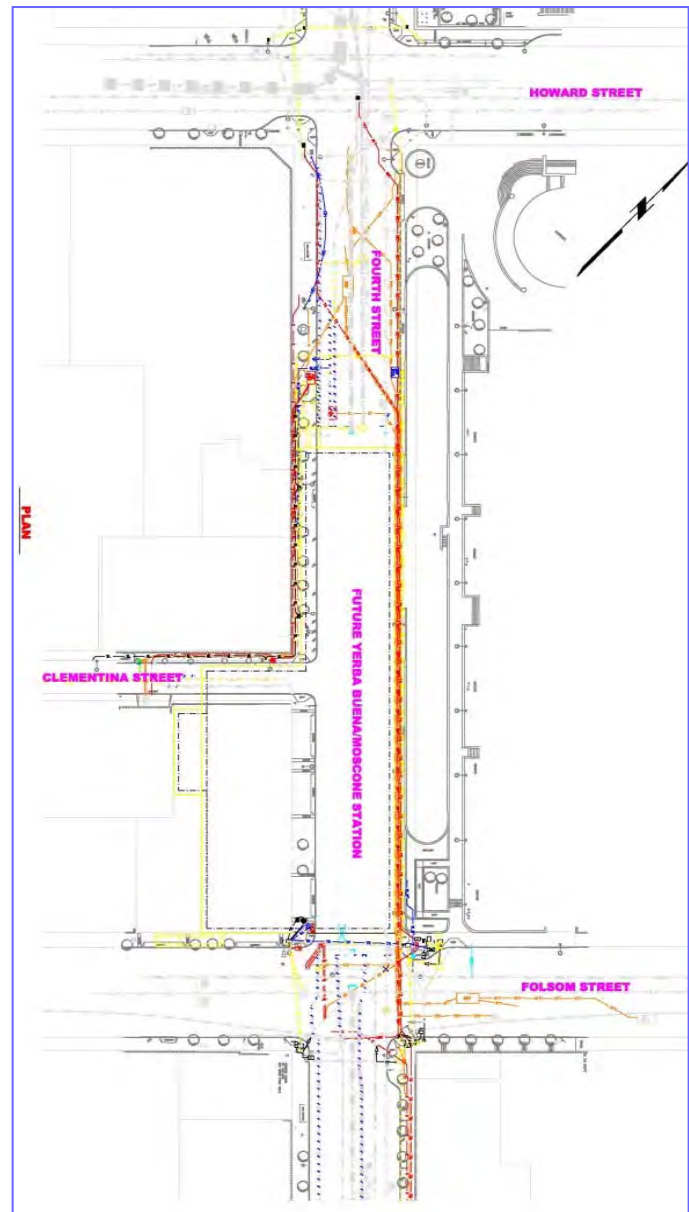
Description

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)

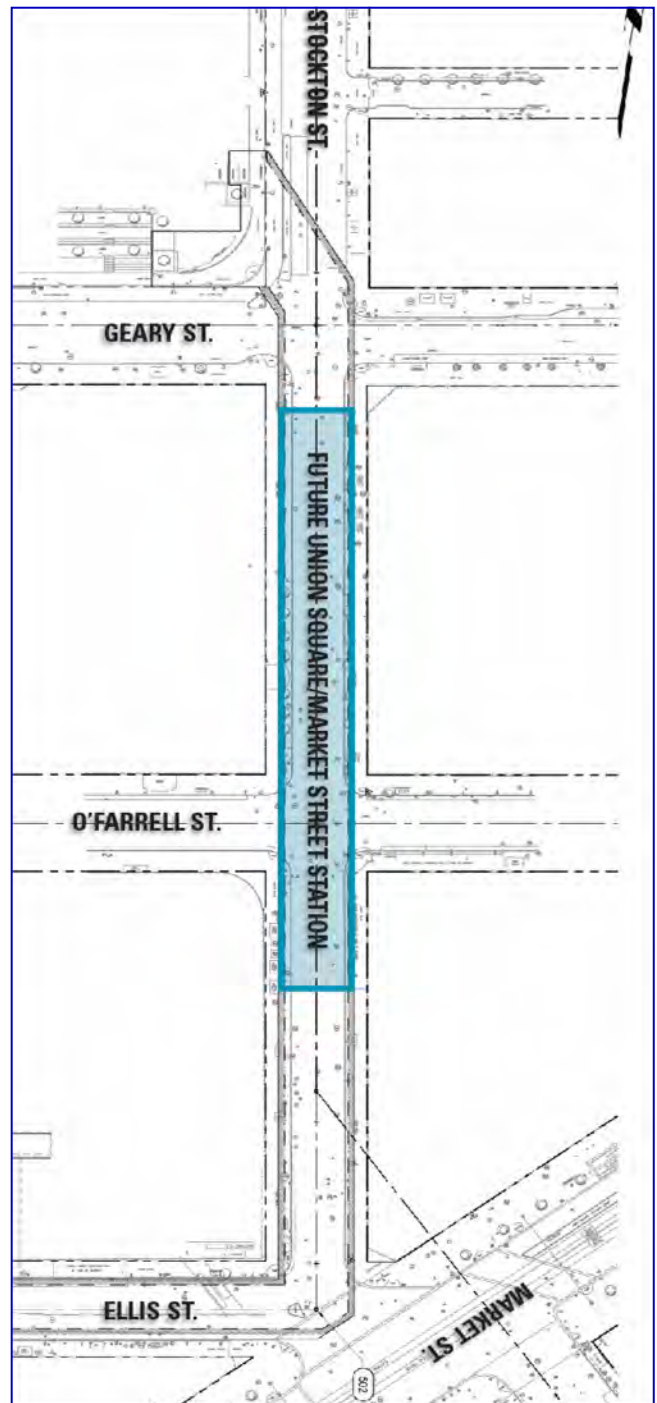
Contract Details	
Contract Awarded:	December 7, 2010
Notice to Proceed:	January 12, 2011
Substantial Completion:	August 16, 2012
Contract Award Value:	\$16,832,550
Modifications Final:	\$3,962,031
Final Contract Value:	\$20,794,581

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: April 2017 – June 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 June 30, 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				
1	149	CS Partnership	Project Management	\$85.14	30%	\$62.68	32.6%	\$25.54	\$20.43	31.4%
2	156	Hill International	Project Controls Task 1	\$17.11	26%	\$9.82	29.1%	\$4.45	\$2.86	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	\$37.05	30%	\$36.57	35.5%	\$11.12	\$12.98	36.4%
5	155-3	HNTB, Inc.- B&C	Systems, Track & Surface Station Design	\$17.23	30%	\$14.37	24.5%	\$5.17	\$3.52	30.0%
Subtotal Professional Services				\$164.48		\$131.38		\$48.66	\$42.18	
B Project Construction Contracts			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	847.40	20%	\$501.39	19.9%	\$169.48	\$99.59	25.5%
Subtotal Construction Contracts				\$1,122.11		\$769.68		\$191.16	\$143.63	
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 #42, June 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: 6/30/2017

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.)	\$62,684,498
	% Expended	73.6%
	SBE SFMTA Goal	30.0%
	SBE Participation	32.6%

Contract:	Project Controls Cost and Schedule Support	
Contract No.	CS 156 Hill International Task 1*	
Status:	On-going	
	Base Contract Value	\$17,112,873
	Approved Change Orders	-0-
	Current Contract Value	\$17,112,873
	Expended to Date (est.)	\$9,820,243
	% Expended	57.4%
	SBE SFMTA Goal	26.0%
	SBE Participation	29.1%

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	\$35,428,038
	Approved Change Orders (1)	\$1,626,722
	Current Contract Value	\$37,054,760
	Expended to Date (est.)	\$36,570,001
	% Expended	98.7%
	SBE SFMTA Goal	30.0%
	SBE Participation	35.5%

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.)	\$14,365,430
	% Expended	83.4%
	SBE SFMTA Goal	30.0%
	SBE Participation	24.5%

* denote accrual

Active and Completed Construction Contracts - SBE Participation Details

		<i>Data as of:</i>	6/30/2017
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		\$7,726,806
	Current Contract Value		\$847,403,206
	Expended to Date (est.)		\$501,389,927
	% Expended		59.2%
	SBE SFMTA Goal		20.0%
	SBE Participation To Date		19.9%

Photos on the next page:

In June 2017, a bulldozer operation and associate excavate a new portion of the future UMS invert inside the station box. A crew inspects a graded portion of 4th Street south of Bryant, where a new section of road bed will be constructed. Scaffolding has been erected against exterior slurry walls inside the YBM station headhouse, where reinforcing and shotcrete work has begun. A welder constructs a custom steel bracket at the shop area atop the Chinatown Station headhouse roof deck.

central subway

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