

# central subway

## Building the inner shell

The first sections of inner cavern walls have been completed inside the Chinatown track crossover cavern.



## Progress Report

August 2018



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# Table of Contents

<b>Executive Summary</b> .....	5
Key Milestones .....	6
<b>Costs and Schedule</b> .....	7
Costs .....	7
Earned Value Analysis .....	7
Schedule Highlights.....	8
Master Project Schedule .....	11
<b>Contracts &amp; Construction</b> .....	12
Contract 1300 Stations, Surface, Track and Systems.....	13
Work Package1254 Chinatown Station .....	14
Work Package1253 Union Square / Market Street Station .....	17
Work Package1255 Yerba Buena / Moscone Station .....	20
Work Package1256 Systems, Trackwork & Stations .....	24
<b>Program Components</b> .....	26
Community Outreach .....	26
Quality Assurance .....	27
Risk Management .....	29
Program Safety & Security .....	30
Technical Capacity .....	32
Staffing .....	33
Third-Party Agreements and Licenses .....	34
LRV Procurement.....	34
Current Construction Activity and Progress Photos .....	35

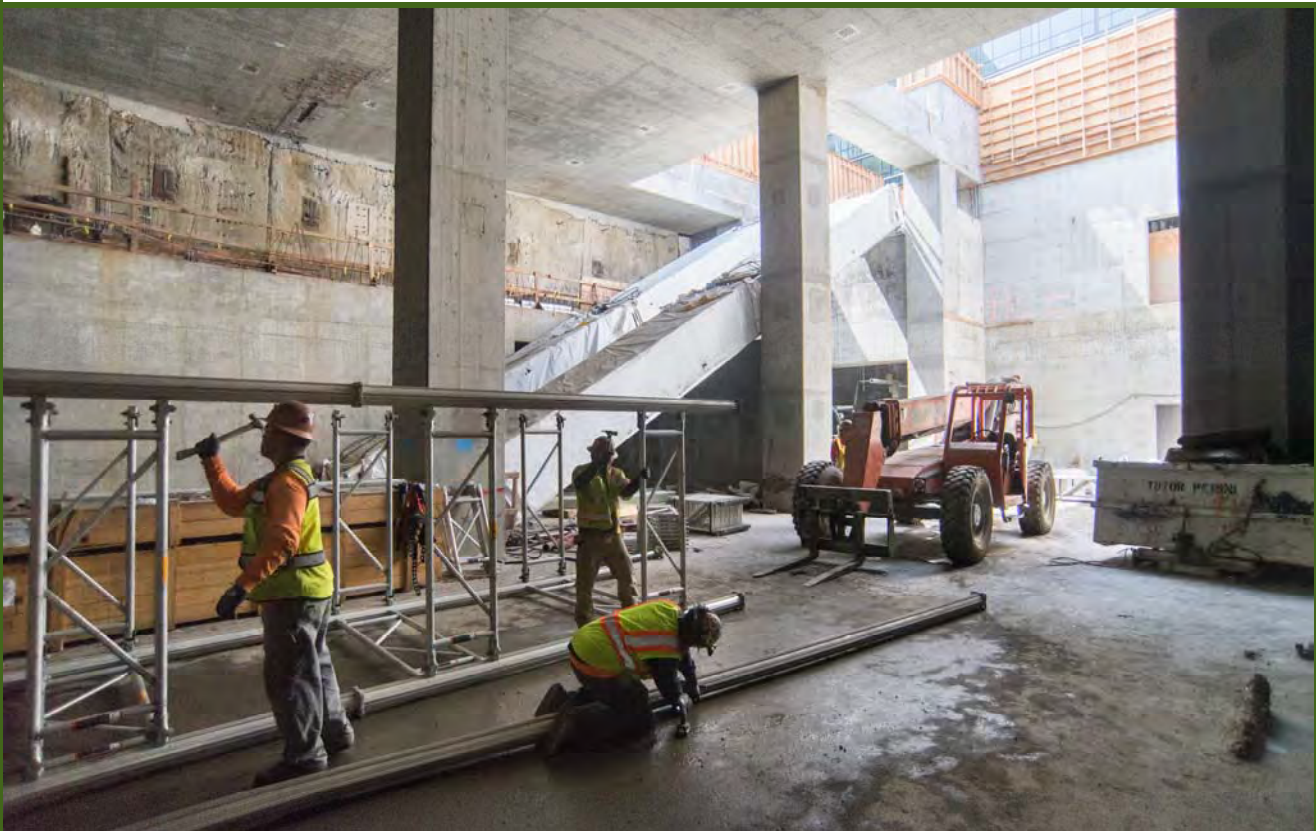
*See Table of Content page that follows for Cover Photo captions.*



## Table of Contents - continued

### Appendices

Appendix A: Cost Report.....	A1
Appendix B: Schedule Report.....	B1
Appendix C: Program Overview of Scope and Funding.....	C1
Appendix D: Completed Contracts .....	D1
Appendix E: SBE Participation by Contract (Reported Quarterly).....	E1
Central Subway Project Contact Information.....	E5

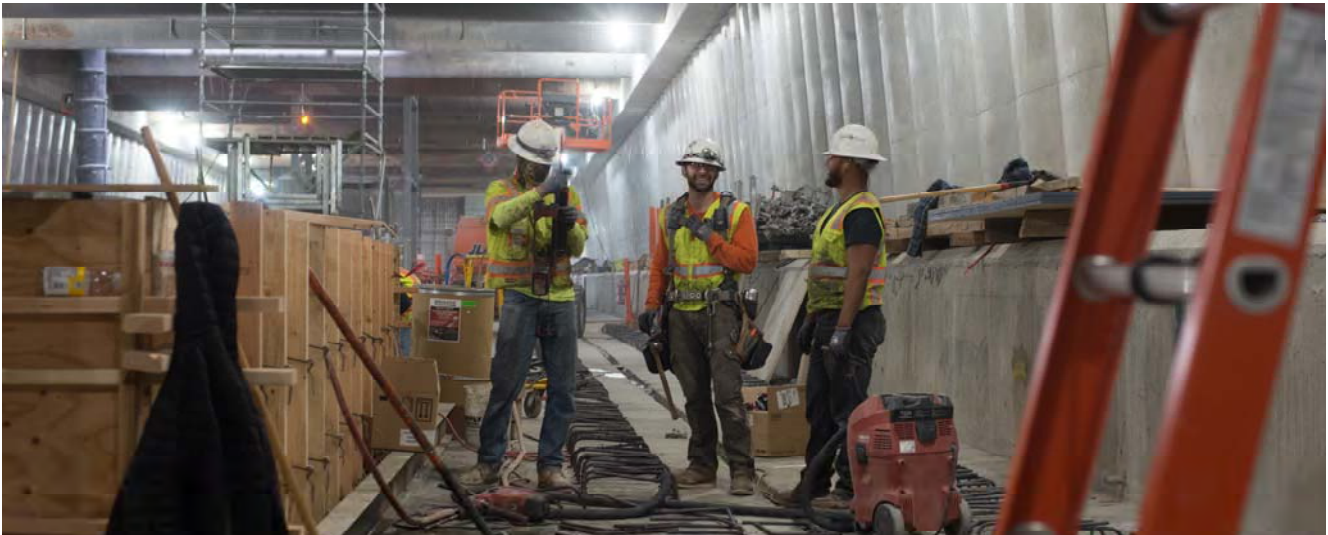


**Cover photo:** *The first section of smooth reinforced concrete interior cavern walls has been completed at the south end of the Chinatown Station track crossover cavern, near the intersection of Stockton and Clay. Massive curved concrete forms mounted on a moving truss were used to construct the interior cavern shell. More photos can be found starting on page 35.*

**Above photos:** *Sections of escalators have been installed inside the Yerba Buena/Moscone Station headhouse. Workers also continue reinstalling temporary reinforcing inside the headhouse prior to constructing final roof slab elements.*

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





*Workers drill holes in the concrete station box invert slab at Union Square/Market Street Station for the installation of rebar for future track foundations called plinths.*

## Executive Summary

**Chinatown Station** - Completed placing concrete for Crossover Cavern arches. Continued installing rebar and formwork for Crosscut Cavern headwall. Continued installing waterproofing at North Egress Shaft. Continued street work (minor), ongoing monitoring and surveying. Completed installing rebar, electrical, and plumbing for Platform slab at Headhouse.

**Union Square/Market Street Station** - Platform Station: Completed installation of North and South Ring Beams. Continued constructions of Stair 2 & 5. Continued installation of stem walls and platform deck. North Concourse: Completed installation of Stair 7 and CMU walls on Concourse level. Commenced installation of CMU walls on Fan level. Continued installation of fire sprinklers on Concourse and Fan levels. South Concourse: Completed assembly of Escalator 7 & 8. Completed construction of South escalator walls and wing slab. Continued installation of fire sprinklers and electrical cable tray supports.

**Yerba Buena/Moscone Station** - Continued to replace the force main and AWSS at 4th & Howard. Continued work related to the installation of PG&E #7 boxes. Began waterproofing 11 wall, F/R/P of Stair 1, and demo of Stair 4 opening. Began installing surface level deck. Poured Headhouse Undersurface walls. Began installing Headhouse Vent Shaft. Began removing shoring, struts, and walers at Headhouse Mezzanine area. Began F/R/P of vent shaft beams. Continued removing shoring, struts, and walers at Headhouse Concourse. Continued F/R/P of walls, electrical work, and installing ducts in Headhouse Concourse.

**Surface, Track and Systems**— Continued electrical conduit installation inside tunnel. Continued pulling traction power cables on 4th Street. Continued installing luminaire arms and luminaries on 4th Street. Completed sidewalk and curb ramp pavement renovation at 4th/Bryant. Ongoing strut bracket installation in both tubes working South to North.

**Tunnel** - Contract administrative closeout is ongoing.

Total project costs to date are \$1,250.31 million, an increase of \$18.02 million over last month. The total cost to date equals 79.22% of the total project budget of \$1.578 billion. The Master Project Schedule forecasts a Revenue Service Date of January 2020.

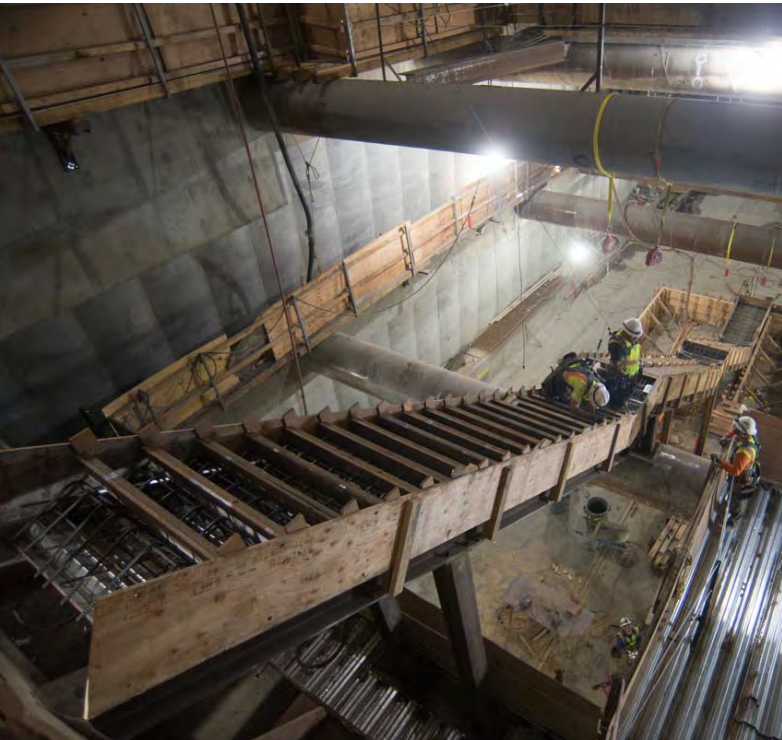
The Stations Contractors' Safety Reports should show one recordable accident took place this month. The rates of work site accident incidents by the man hours worked continue to be below industry standards - see tables on page 31.

# Key Milestones

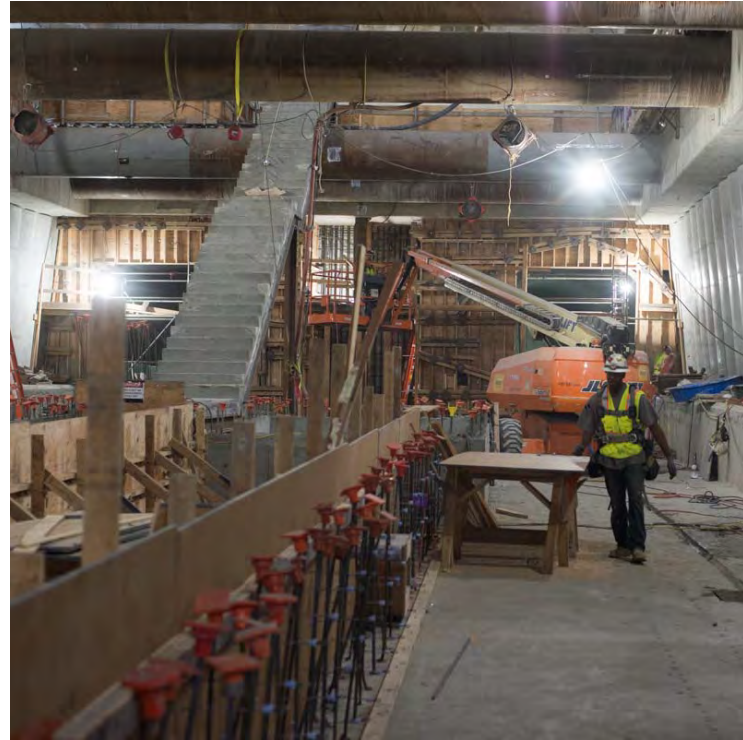
## Constructing south concourse stairs at UMS, part 2



1. Workers continue installing rebar and concrete forms for stairs



2 Concrete is poured and once cured, concrete formwork is removed



3 Finished stairs are integrated into the future station platform structure

MILESTONE	DATE EXPECTED
<b>General</b>	
Revenue Service	January 2020
<b>Contract 1300 Stations, Surface, Track, Systems</b>	
Notice to Proceed (NTP 1)	June 17, 2013 (A)
Notice to Proceed (NTP 2)	January 12, 2014 (A)
Substantial Completion	June 8, 2018



# 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 \$1,250.31 million, a \$18.02 million increase over last month. The cost to date figure reflects expenditures through FAMIS 786 Report (\$1,211.06 million) plus the utilities joint trench Form B Reimbursement payment (\$11.27 million), invoices currently being processed (\$24.42 million) and estimates of outstanding pay requests (\$3.58 million). This incurred amount equals 79.22% of the total project budget of \$1.578 billion.

The current funding level to date is \$1,494.00 million and includes Prop K \$13.75 million FY2018/2019 RTIP Fund Exchange appropriated in June 2018. This represents 95% of the total project budget.

## Earned Value Analysis

In August 2018 Report, the Preliminary Earned Value Analysis reports is based on the SFMTA August Schedule Update. The Planned Value, Earned Value, Actual Cost, Percent Complete and resulting indexes as follows:

### Preliminary August Earned Value

Overall Budgeted Cost:	\$1,578,300,000
Planned Value:	\$1,529,338,958
Earned Value:	\$1,255,478,910
Actual Cost:	\$1,250,305,950
Schedule Performance Index (SPI):	0.82
Cost Performance Index (CPI):	1.00
Percent Complete:	79.5%

\*August 2018 Notice: The City continues to transition from FAMIS to Financial System Project (FSP). During the transition, we are unable to provide accurate financial updates. Once FSP is updated and validated, we will reconcile our reports accordingly. We will be projecting current expenditures and anticipate the reconciled updates will be available early next year.

Please note that we continue to experience problems that are being caused by error and inaccuracy from the transition. The sources of error include errors resulting from mapping index codes in the old FAMIS system to translating chartfield accounts in the new Financial System Project as well as errors arising through processing such as abatements and adjustments being assigned to the incorrect account. As we continue to address these data quality problems through data cleaning, you will continue to see monthly fluctuations as we detect and remove errors and inconsistencies from data in order to improve on the quality of data so that we will be able to report accurate data.



## Schedule Highlights

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

The MPS shows a forecast Revenue Service Date of January 2020.

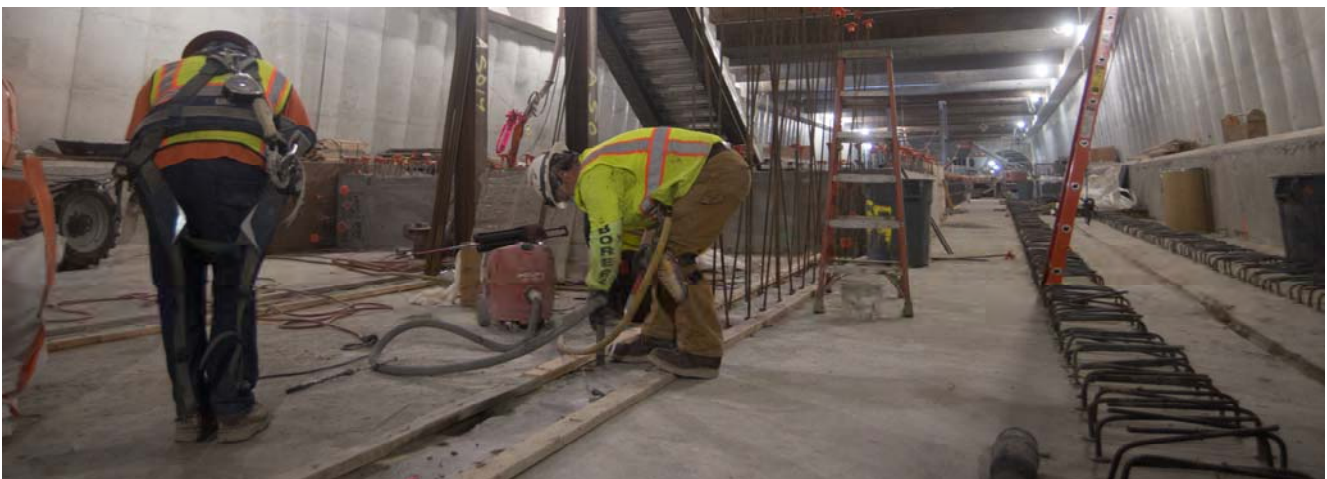
The controlling critical (longest) path of the MPS runs through the Headhouse Concrete work, followed by Electrical activities, STS Startup & Testing, Commissioning and Pre-Revenue Activities to the Baseline Finish and Revenue Service Date. See Appendix B – Longest Path. The latest schedule shows the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

Schedule Contingency is fully utilized on the critical path of the MPS, which is below the Minimum Schedule Contingency level of 6 months. 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. TPC modified the Baseline approved working sequence for Platform Cavern final lining application. Instead of performing North and South Caverns concurrently, work will be performed in sequence delaying the project. Contract 1300 Schedule shows a new forecasted Revenue Service Date of 14 January 2020.

Contract 1300 Contractor submitted forty three (43) Schedule Updates from December 2014 to July 2018. SFMTA rejected twenty six (26) Schedule Updates from January 2016 to April 2016 and June 2016 to April 2018 due to multiple and repetitive issues that vary from incorrect working sequences to unrealistic forecasted completion dates to artificially steering the schedule longest path through certain portions of the project. SFMTA approved as noted December 2014 through December 2015, and May 2016 Schedule Updates. Contractor has been directed to develop a Recovery Schedule as required by Contract to mitigate the current forecasted project delay. The 18 month “gap” of missing Schedule Updates at the beginning of the job has interfered with efficient resolution of Contractor’s assertions of Unavoidable Delay to the project-wide Substantial Completion date, which is additionally impacting the Contractor’s review of options for schedule recovery.

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

The Contractor, Tutor Perini Corporation’s (TPC) baseline schedule is incorporated into the master program schedule. The preliminary SFMTA Contract 1300 August 2018 schedule is used within the August Report. The SFMTA Contract 1300 August 2018 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.



Boards are nailed to the concrete floor slab as part of formwork construction for the Union Square/ Market Street Station platform.

## Schedule Highlights - Continued

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

- Completed placing concrete for Crossover Cavern arches
- Continued installing rebar and formwork for Crosscut Cavern headwall
- Continued installing waterproofing at North Egress Shaft
- Continued street work (minor), ongoing monitoring and surveying
- Completed installing rebar, electrical, and plumbing for Platform slab at Headhouse
- Completed placing concrete for Platform slab at Headhouse

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

- Platform Station: Completed installation of North and South Ring Beams. Continued constructions of Stair 2 & 5. Continued installation of stem walls and platform deck
- North Concourse: Completed installation of Stair 7 and CMU walls on Concourse level. Commenced installation of CMU walls on Fan level. Continued installation of fire sprinklers on Concourse and Fan levels
- South Concourse: Completed assembly of Escalator 7 & 8. Completed construction of South escalator walls and wing slab. Continued installation of fire sprinklers and electrical cable tray supports

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

- Continued to replace the force main and AWSS at 4<sup>th</sup> & Howard
- Continued work related to the installation of PG&E #7 boxes
- Began waterproofing 11 wall
- Began F/R/P of Stair 1
- Began demo of Stair 4 opening
- Began installing surface level deck (Headhouse Surface)
- Poured Headhouse Undersurface walls (Headhouse Undersurface)
- Began installing Headhouse Vent Shaft
- Began removing shoring, struts and walers at Headhouse Mezzanine area
- Began F/R/P of vent shaft beams (Headhouse Mezzanine)
- Began F/R/P of Headhouse Mezzanine walls
- Continued removing shoring, struts and walers at Headhouse Concourse area
- Continued F/R/P of walls in Headhouse Concourse
- Continued electrical work in Headhouse Concourse
- Continued installing ducts in Headhouse Concourse
- Continued sealing leaks in Headhouse Invert

## Schedule Highlights - Continued

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

- Continued electrical conduit installation inside tunnel
- Continued pulling traction power cables on 4<sup>th</sup> Street
- Continued installing luminaire arms and luminaires on 4<sup>th</sup> Street
- Completed sidewalk and curb ramp pavement renovation at 4<sup>th</sup>/Brannan
- Started sidewalk and curb ramp pavement renovation at 4<sup>th</sup>/Bryant
- Ongoing strut bracket installation in both tubes working South to North



***Carpenters construct concrete formwork atop a finished section of the platform level floor slab inside the Chinatown Station headhouse.***



# Master Project Schedule

Activity ID	Activity Name	Original Start	Original Duration	Finish	2018	2019	2020						
					Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
<b>CENTRAL SUBWAY PROJECT</b>													
<b>Program Level Milestones</b>													
PJ01000	Central Subway Project Start	03-Jun-03 A	4612	05-Feb-21	[Timeline bar]								
MS0004A	Tunnel Excavation Complete - Project Milestone #1A	03-Jun-03 A	4350	14-Jun-09	[Timeline bar]								
MS0019	Baseline Finish Date: 12-26-2018	0	0	05-Sep-14 A	[Timeline bar]								
MS0069	CSP Revenue Service Date	0	0	14-Jun-20	[Timeline bar]								
<b>Preliminary Engineering Phase</b>													
	Final Design	03-Jun-03 A	2651	07-Jan-10 A	[Timeline bar]								
	Light Rail Vehicles	08-Jan-10 A	1511	17-Jun-13 A	[Timeline bar]								
	Real Estate	15-Apr-13 A	2342	12-Sep-19	[Timeline bar]								
	Construction Phase	01-Aug-08 A	3138	02-Jan-14 A	[Timeline bar]								
	Construction Support and Costs	04-Jan-10 A	2653	04-Feb-21	[Timeline bar]								
	Construction Utility Contract #1 - MCS & Portal CN-1250	04-Jan-10 A	3316	05-Feb-21	[Timeline bar]								
	Construction Utility Contract #2 - UMS CN-1251	04-Jan-10 A	565	29-May-11 A	[Timeline bar]								
	Construction Tunnels CN-1252	12-Jan-11 A	643	15-Oct-12 A	[Timeline bar]								
	Construction CN-1300	08-Jun-11 A	1518	27-Aug-18	[Timeline bar]								
	CN-1300 Milestone	03-Jun-13 A	1705	01-Jan-20	[Timeline bar]								
	Construction UMS Station P-1253	17-Jun-13 A	1705	01-Jan-20	[Timeline bar]								
	Construction CTS Station P-1254R	17-Jun-13 A	1704	29-Jul-19	[Timeline bar]								
	Construction YBM Station P-1255	17-Jun-13 A	1705	31-Dec-19	[Timeline bar]								
	Construction STS P-1256	10-Jun-13 A	1651	28-Jul-19	[Timeline bar]								
	Project Start Up	03-Jun-13 A	1651	16-Oct-19	[Timeline bar]								
	Unallocated Contingency	29-Jul-19	170	14-Jan-20	[Timeline bar]								
CO1700	Cost Activity Unallocated Contingency (LOE) - 17,500,99,090.00 - Contingency	27-Aug-18	344	13-Jan-20	[Timeline bar]								

SFMTA Central Subway Project		Master Project Schedule		Summary Schedule - August 2018		Required Revenue Service Date: 26-Dec-18		Data Date: 26-Aug-18	
[Timeline bar]									
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*A safety inspector looks down the Chinatown Station platform cavern to a large scaffolding used to install rebar against the outer shell and yellow waterproofing.*

## Contracts & Construction

### Construction Contracts In Progress

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

- Contractor: Tutor - Perini Corporation
- Amount: \$852.39 million
- Contract Status: 73.91% complete construction

### Contracts Completed

[See Appendix D](#)

#### **Contract 1250: Moscone Station and Portal Utilities Relocation**

#### **Contract 1251: Union Square/Market Street Station Utility Relocation**

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

#### **Contract 1252: Central Subway Tunneling**

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

# Stations, Surface, Track and Systems

Contract 1300 Contractor: Tutor-Perini Corporation

## Description of Work

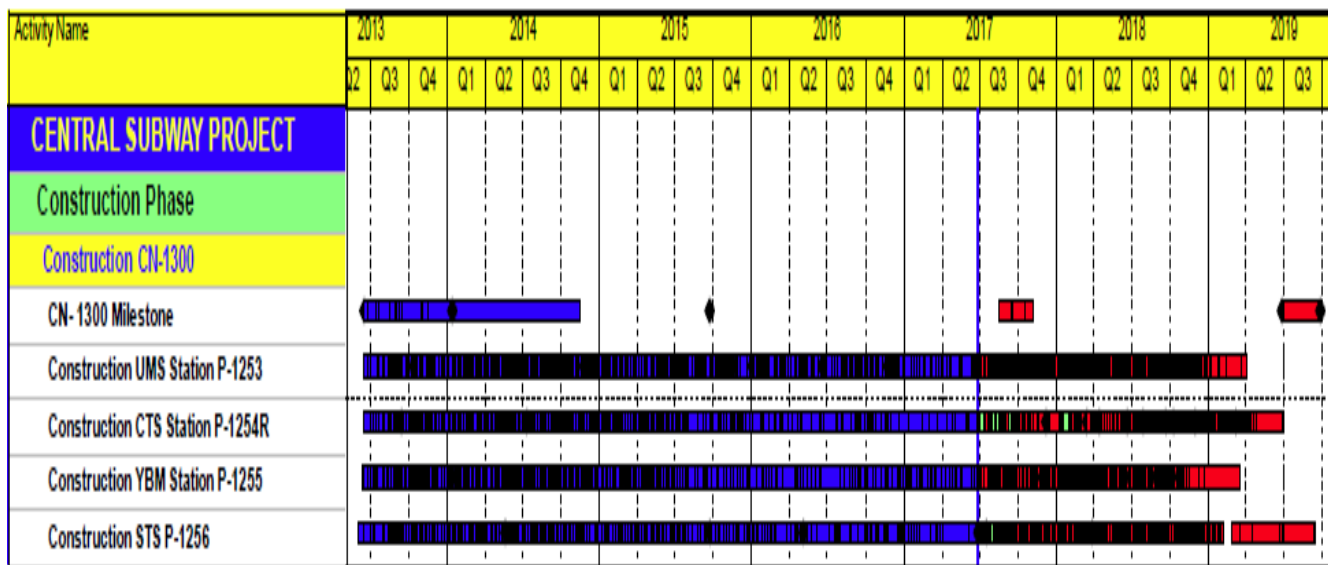
The Contract 1300 scope is to construct the Central Subway's three subway stations, one surface station, construct the 2,000 feet of surface track, and install track and operating systems throughout the new alignment. The separate station and systems work packages are presented in the following pages.

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

Contract Details	
Contract Awarded:	May 21, 2013
Notice to Proceed:	June 17, 2013
Substantial Completion:	June 8, 2018
Contract Award Value:	\$839,676,400
Modifications to Date (\$):	\$12,710,685
Modifications to Date (Days):	118
Current Contract Value:	\$852,387,085

Budget/Expenditures▲	
Current Budget	\$879,676,400
Other Project Offset Credits	\$3,123,097
Expenditures to Date	\$636,565,618

## 1300 Summary Schedule





# Chinatown Station

## Contract 1300 - Work Package 1254R



### Description of Work

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

### Current Work Status

- Completed placing concrete for Crossover Cavern arches
- Continued installing rebar and formwork for Crosscut Cavern headwall
- Continued installing waterproofing at North Egress Shaft
- Continued street work (minor), ongoing monitoring and surveying
- Completed installing rebar, electrical, and plumbing for Platform slab at Headhouse
- Completed placing concrete for Platform slab at Headhouse

### Work Expected Next Month

- Complete contact grouting for Crossover Cavern arches
- Complete rebar installation and concrete placement for North and South Platform arches
- Continue installing rebar and formwork for Crosscut Cavern headwall
- Continue waterproofing installation at Crosscut Cavern arches
- Continue street work (minor), ongoing monitoring and surveying
- Complete rebar installation and concrete placement for Headhouse plat-



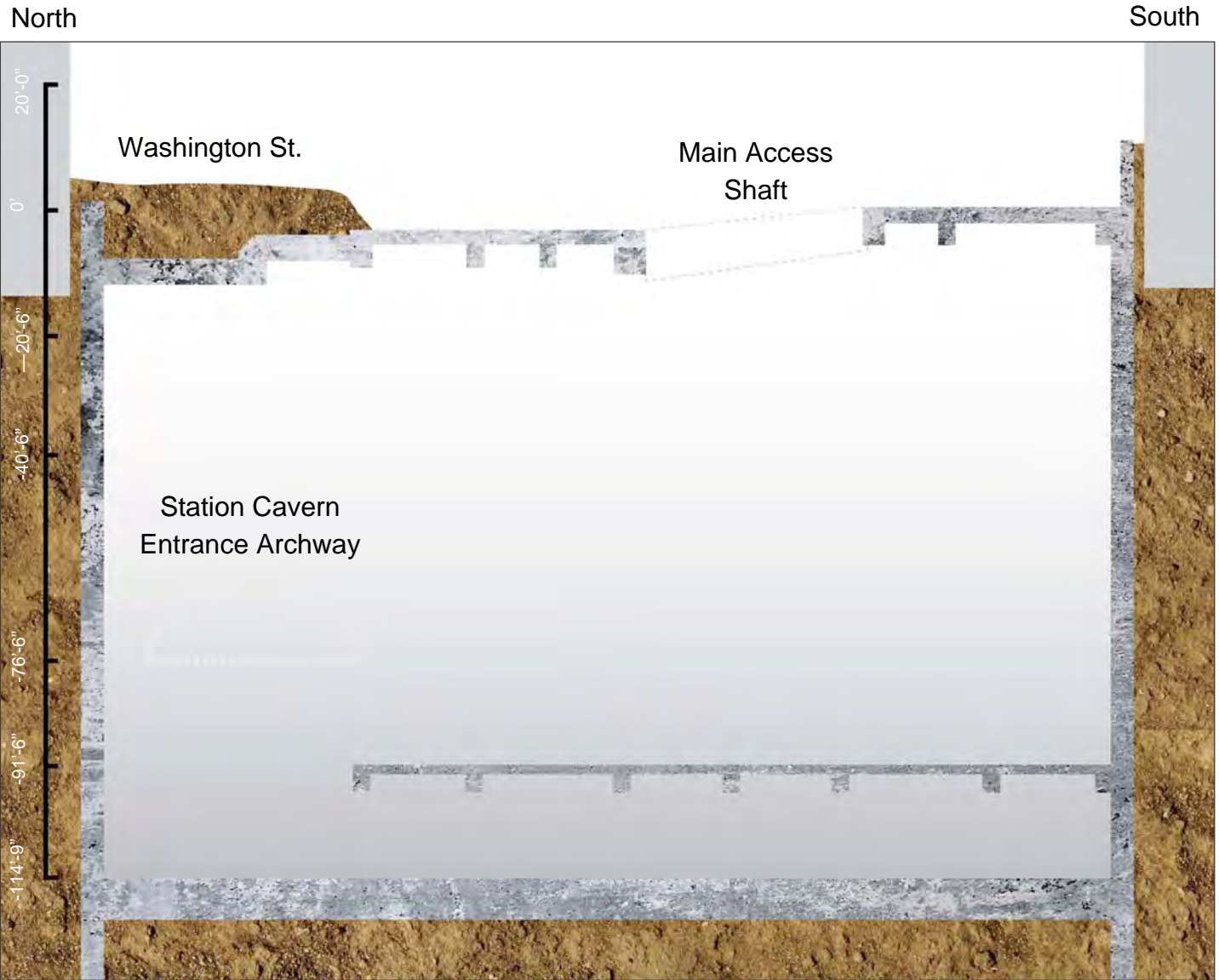
form level columns

- Begin installing rebar, electrical, and plumbing for Concourse slab at Headhouse
- Begin concrete placement for Concourse slab

### Three Month Look Ahead

- Complete Crosscut Cavern waterproofing
- Complete concrete placement for Crosscut Cavern final lining
- Complete Concourse, Intermediate, and Mezzanine levels
- Construct invert, waterproofing, and staircase for North Egress Shaft

### Station Construction Progress Section



# Chinatown Station Construction Status - Continued

## Contract Details

<b>Contract Awarded:</b>	<b>May 21, 2013</b>
<b>Notice to Proceed:</b>	<b>June 17, 2013</b>
<b>Substantial Completion:</b>	<b>June 8, 2018</b>
<b>Contract Award Value:</b>	<b>\$247,567,810</b>
<b>Modifications to Date (\$):</b>	<b>\$6,560,460</b>
<b>Modifications to Date (Days):</b>	<b>118</b>
<b>Current Contract Value:</b>	<b>\$254,128,270</b>

## Budget/Expenditures

<b>Current Budget</b>	<b>\$257,567,810</b>
<b>Other Project Offset Credits</b>	<b>\$75,000</b>
<b>Expenditures to Date</b>	<b>\$186,438,652</b>

## CTS Three Month Schedule

Activity ID	Activity Name	2018					2019	
		Aug	Sep	Oct	Nov	Dec	Jan	Feb
<b>CENTRAL SUBWAY PROJECT</b>								
<b>Construction Phase</b>								
<b>Construction CN-1300</b>								
<b>Construction CTS Station P-1254R</b>								
Administrative / Milestones								
Preconstruction								
Site Work / Utility Relocation								
Demolition								
Excavation & Support								
Tunnel / Cavern Mining								
Cavern Lining								
<b>Cross Cut Cavern</b>								
CTS.31.74.960	Install Waterproofing & Grout Pipes - Final Lining Invert -Cross Cut Cavern							
CTS.31.74.970	Install Rebar - Final Lining Invert -Cross Cut Cavern							
CTS.31.74.980	Place Concrete - Final Lining Invert -Cross Cut Cavern							
CTS.31.74.990	Install Waterproofing - Final Lining Arches - Crosscut Cavern							
CTS.31.74.1000	Install Rebar & Grout Piping - Final Lining Arches - Crosscut Cavern							
CTS.31.74.350	Shotcrete Final Lining Arches - Crosscut Cavern							
<b>Platform Cavern South</b>								
CTS.31.74.825	Install Rebar & Grout Piping - Final Lining Arches - Platform Cavern South							
CTS.31.74.835	Shotcrete - Final Lining Arches - Platform Cavern South							
<b>Platform Cavern North</b>								
CTS.31.74.940	Install Rebar - Final Lining Arches - Platform Cavern North							
CTS.31.74.950	Shotcrete - Final Lining Arches - Platform Cavern North							
<b>Emergency Egress</b>								
<b>Concrete/Shotcrete</b>								
<b>HeadHouse</b>								
CTS.03.37.024	CTS_UP - Place - Shotcrete on Slurry Walls - Head House							
CTS.03.11.080	CTS_CN Install Falsework - For Headhouse Concourse Level Slab							
CTS.07.13.260	CTS_UP - Install - Drain Mat & Waterproofing on Shotcrete Walls - Head House							
CTS.03.30.095	CTS_CN Form/Rebar/Pour - Headhouse Concourse Level Slab							
CTS.03.30.105	CTS_CN Concrete Cure - Concourse Level Slab							
CTS.03.30.075	CTS_CN Form/Rebar/Pour/Strip - Columns Concourse Slab to Intermediate Leve							
CTS.03.30.260	Pour Equipment Pads - Main Electrical & Traction Power Rooms							
CTS.03.30.165	Form/Rebar/Pour/Strip - Perimeter Walls - Invert Slab to Platform Level							
CTS.03.37.010	CTS_PL - Place - Shotcrete on Slurry Walls - Head House							
CTS.03.11.120	Install Falsework - For Intermediate Level Slab							
CTS.03.30.130	Form/Rebar/Pour - Intermediate Level Slab							
CTS.03.30.085	Form/Rebar/Pour/Strip - Columns Intermediate Slab to Lower Mezz Level							
CTS.03.30.140	Concrete Cure - Intermediate Level Slab							



# Union Square/Market Street Station

*Contract 1300 Work Package 1253*

## Description of Work

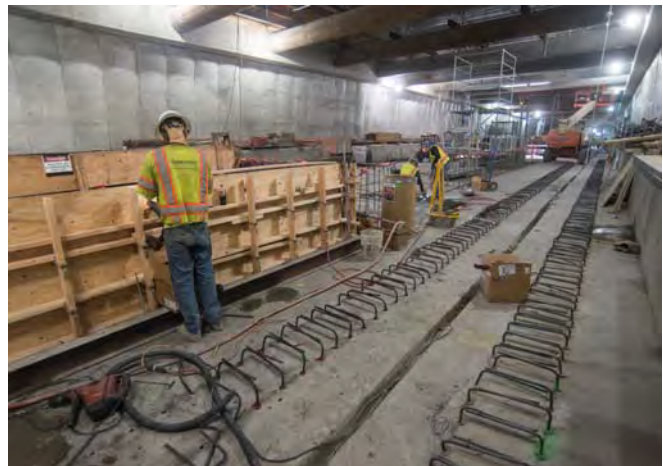
This Work Package is to construct one subway station. Includes station finishes, AC and DC Traction Power substations elevators, escalators, lighting, emergency ventilation fans, HVAC fire alarm/ suppression/ protection, slurry wall top-down construction, settlement monitoring, building protection, PA,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

## Current Status This Month

- Platform Station: Completed installation of North and South Ring Beams. Continued constructions of Stair 2 & 5. Continued installation of stem walls and platform deck
- North Concourse: Completed installation of Stair 7 and CMU walls on Concourse level. Commenced installation of CMU walls on Fan level. Continued installation of fire sprinklers on Concourse and Fan levels
- South Concourse: Completed assembly of Escalator 7 & 8. Completed construction of South escalator walls and wing slab. Continued installation of fire sprinklers and electrical cable tray supports

## Work Expected Next Month

- Platform Station: Continue to install concrete Wale at Concourse and Intermediate Strut level. Continue construction of CMU Walls on Mezzanine level. Continue installation of Stairs 3 & 4 on Mezzanine level. Continue deck installation on Mezzanine, Intermediate Strut and Concourse levels
- North Concourse: Complete construction of CMU walls on Fan level. Complete installation of fire sprinklers on Fan and Concourse level
- South Concourse: Continue installation of fire sprinklers and electrical cable tray supports. Commence CMU wall construction
- O'Farrell St.: Complete street and sidewalk restoration at intersection of Stockton Street



- Ellis Street & Annex: Continue to build out handicap ramp at intersection of Market and Stockton Street. Restore pedestrian signals and poles. Continue to install invert walls and ceiling and electrical room and sump pit

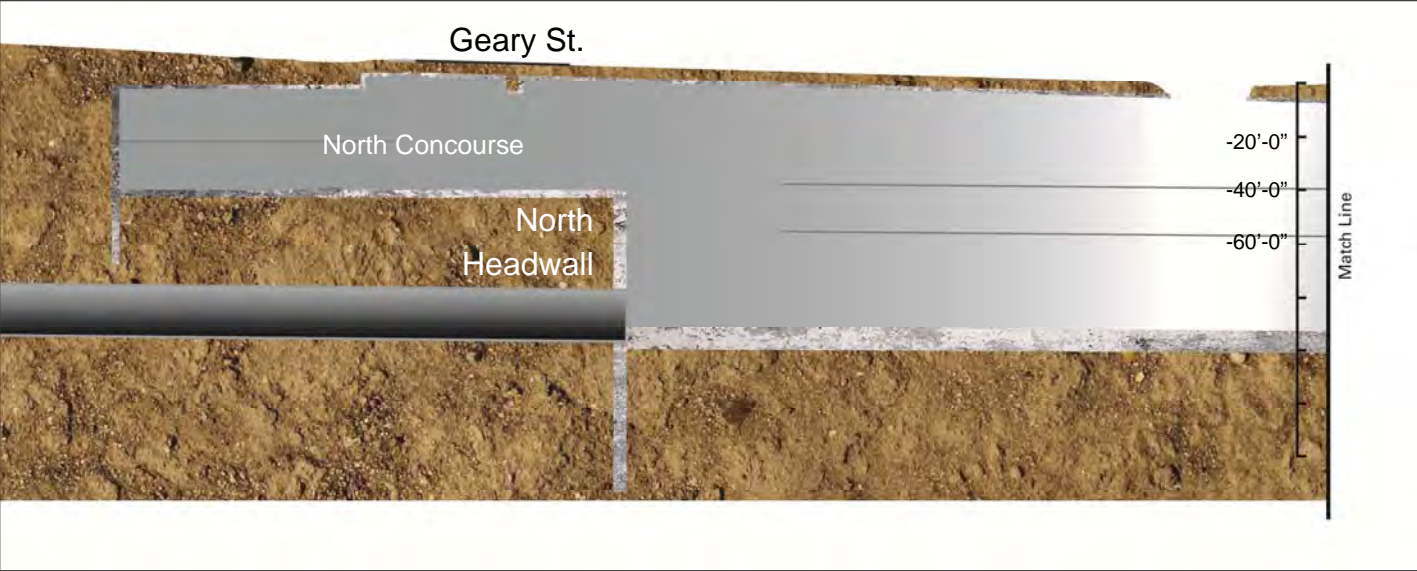
## Three Month Look Ahead

- Platform Station: Complete construction of platform, stairs and escalators. Complete wall constructions at Intermediate Strut and Concourse levels. Complete upper level deck installation. Complete CMU walls on Mezzanine level.
- North Concourse: Complete Concourse level slab and equipment pads. Closing of openings between O'Farrell and Geary Streets
- South Concourse: Complete south escalators and stairs construction
- Complete utilities, street, and sidewalk restoration between Geary and O'Farrell Streets

### Station Excavation and Construction Progress Section

North

South

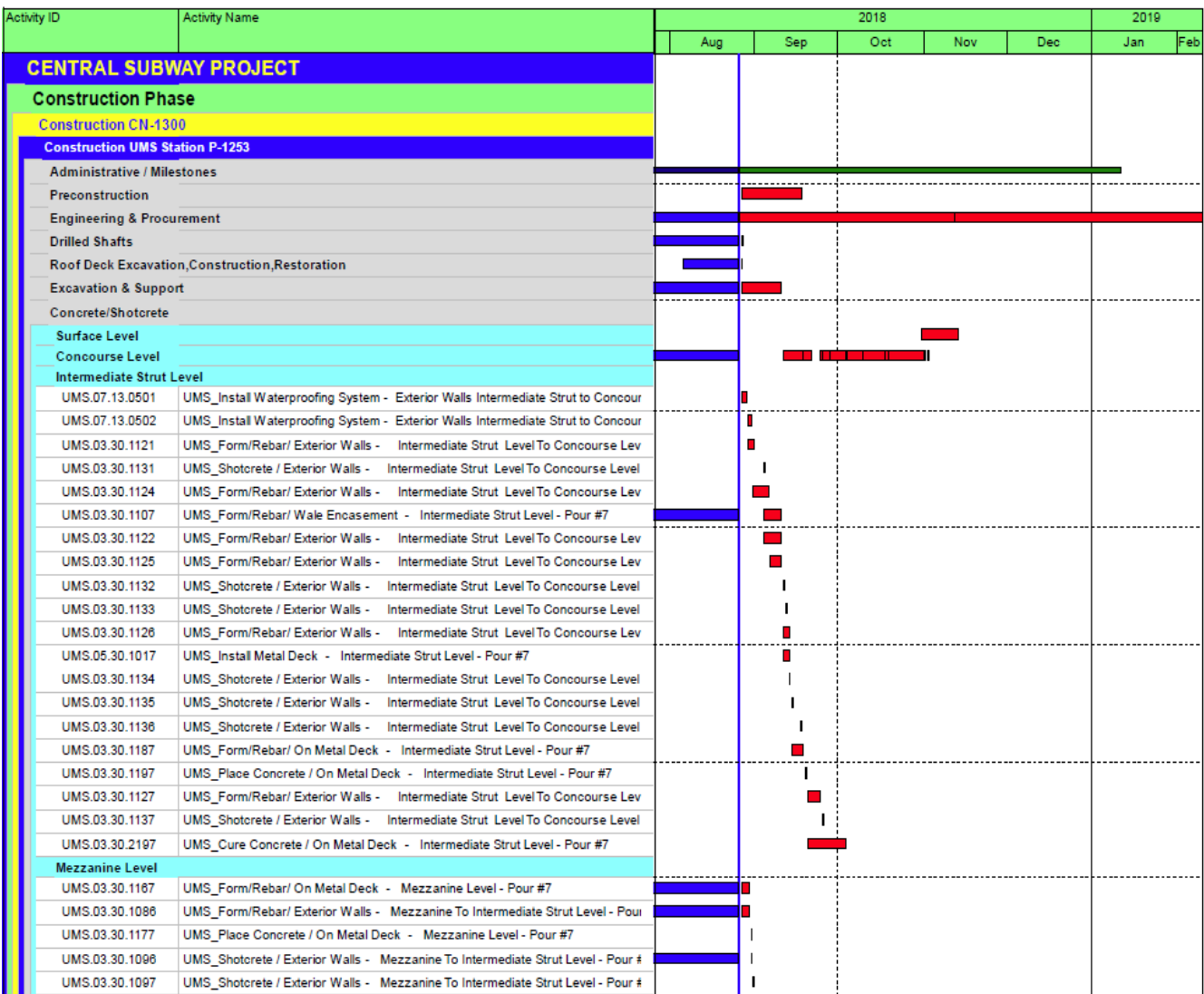


# Union Square Market Street Station Construction - Continued

Contract Details	
<b>Contract Awarded:</b>	<b>May 21, 2013</b>
<b>Notice to Proceed:</b>	<b>June 17, 2013</b>
<b>Substantial Completion:</b>	<b>June 8, 2018</b>
<b>Contract Award Value:</b>	<b>\$294,030,590</b>
<b>Modifications to Date (\$):</b>	<b>\$2,748,442</b>
<b>Modifications to Date (Days):</b>	<b>118</b>
<b>Current Contract Value:</b>	<b>\$296,779,032</b>

Budget/Expenditures ▲	
<b>Current Budget</b>	<b>\$314,030,590</b>
<b>Expenditures to Date</b>	<b>\$240,679,003</b>

## UMS Three Month Schedule





# Yerba Buena/Moscone Station

## Contract 1300 - Work Package 1255

### Description of Work

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

### Current Status

- Continued to replace the force main and AWSS at 4<sup>th</sup> & Howard
- Continued work related to the installation of PG&E #7 boxes
- Began waterproofing 11 wall
- Began F/R/P of Stair 1
- Began demo of Stair 4 opening
- Began installing surface level deck (Headhouse Surface)
- Poured Headhouse Undersurface walls (Headhouse Undersurface)
- Began installing Headhouse Vent Shaft
- Began removing shoring, struts and walers at Headhouse Mezzanine area
- Began F/R/P of vent shaft beams (Headhouse Mezzanine)
- Began F/R/P of Headhouse Mezzanine walls
- Continued removing shoring, struts and walers at Headhouse Concourse area
- Continued F/R/P of walls in Headhouse Concourse
- Continued electrical work in Headhouse Concourse
- Continued installing ducts in Headhouse Concourse
- Continued sealing leaks in Headhouse Invert



### Work Expected Next Month

- Continue utility work at intersection of 4<sup>th</sup> & Folsom and 4<sup>th</sup> & Howard
- Continue placing PG&E and AT&T utilities in Stair 4 area per PCC 159
- Complete F/R/P of Stair 1,3, and 4
- Complete installing Stair 6
- Continue installing Stair 7
- Continue installing Escalators 3 & 4
- Finish installing surface level deck (Headhouse Surface)
- Complete F/R/P of Headhouse Undersurface walls
- Continue F/R/P of Headhouse Mezzanine walls, columns, and pilasters
- Continue MEP work at Headhouse Concourse area

## Work Expected Next Month (continued)

- Continue installing Granite Art Work panels (Station Concourse)
- Continue installing crystallized glass panels (Station Concourse)
- Finish sealing leaks in Headhouse Invert
- Pour topping slab in Main Electrical Room (Headhouse Invert)
- Begin F/R/P D-Line opening (Headhouse Invert)
- Continue F/R/P of seismic joints (Station Platform)



## Three Month Look Ahead

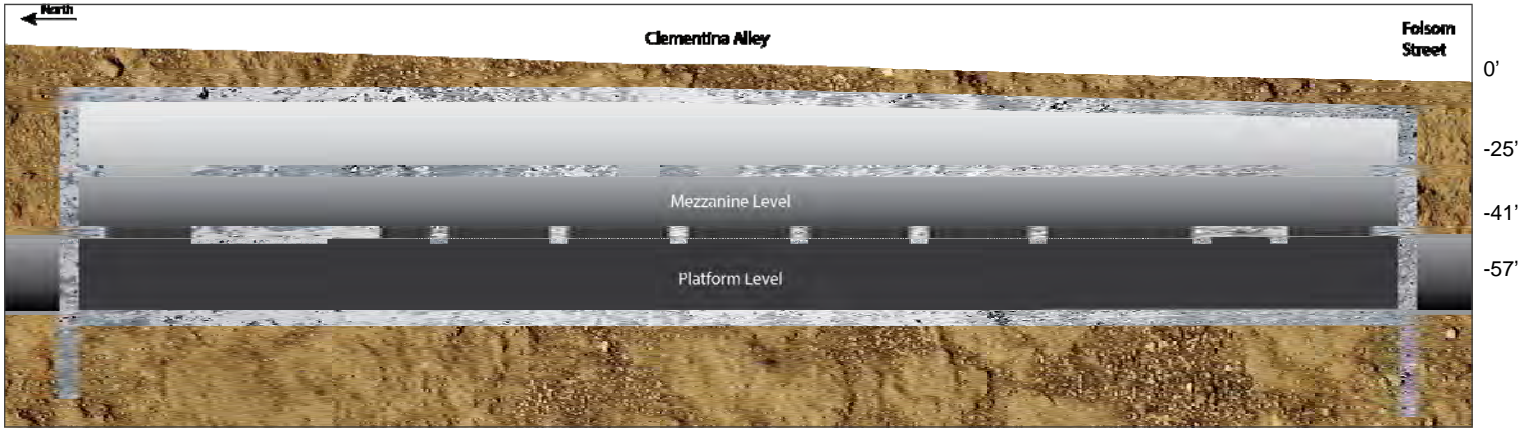
- Continue AT&T and PG&E contract work on Folsom
- Begin pavement renovation work on 4<sup>th</sup> and Folsom
- Pour West Side topping slab, Mezzanine – Station box
- Continue interior finishes on Mezzanine & Concourse Levels within Station Box
- Continue placement of stairs within Station and Headhouse
- Finish installation of station power electrical vaults on Folsom Street
- Finish placing surface slab
- Install cabs for Elevators 1 and 2



### Station Excavation and Construction Progress Section

North

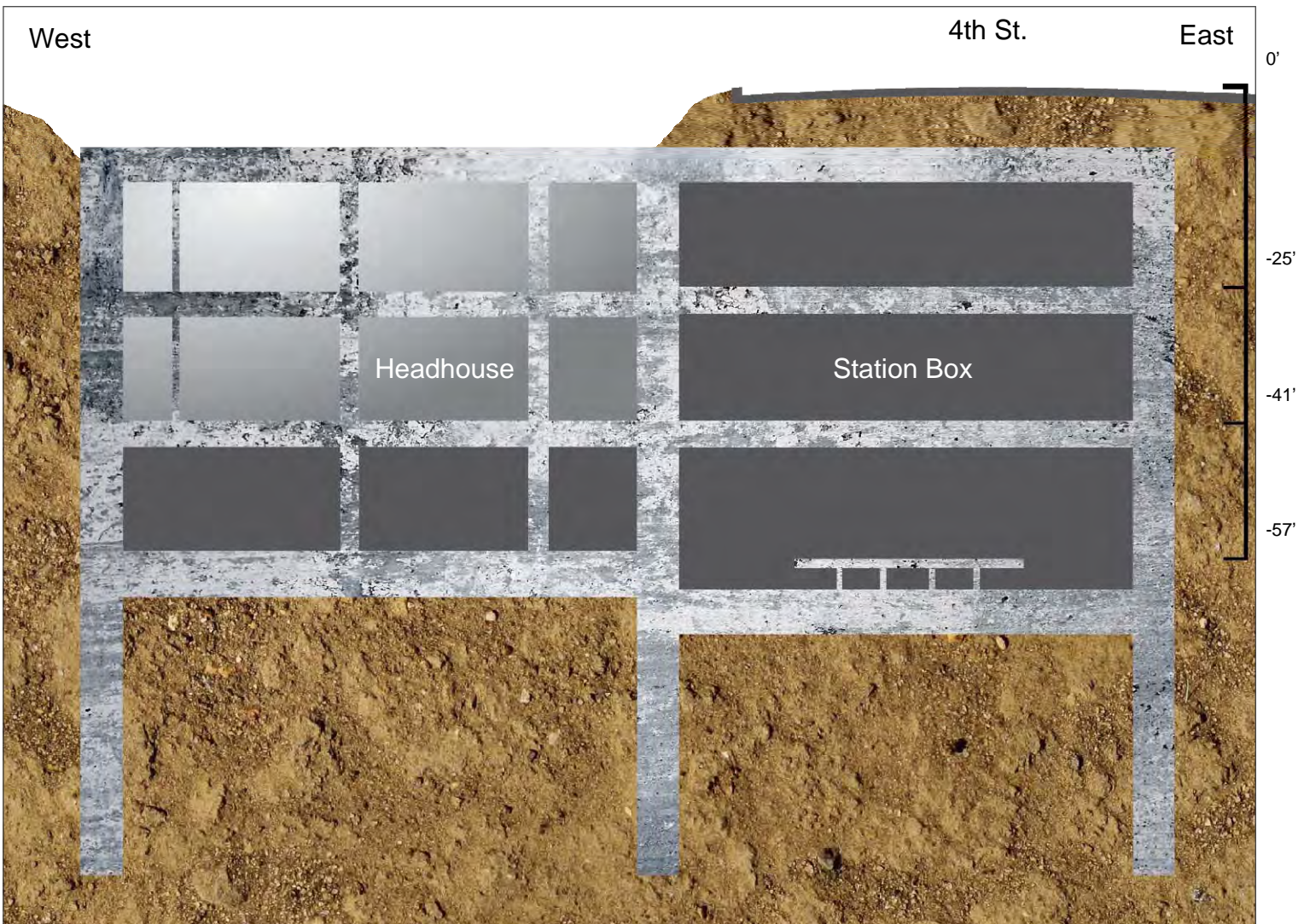
South



West

4th St.

East





# Yerba Buena Moscone Station Construction - Continued

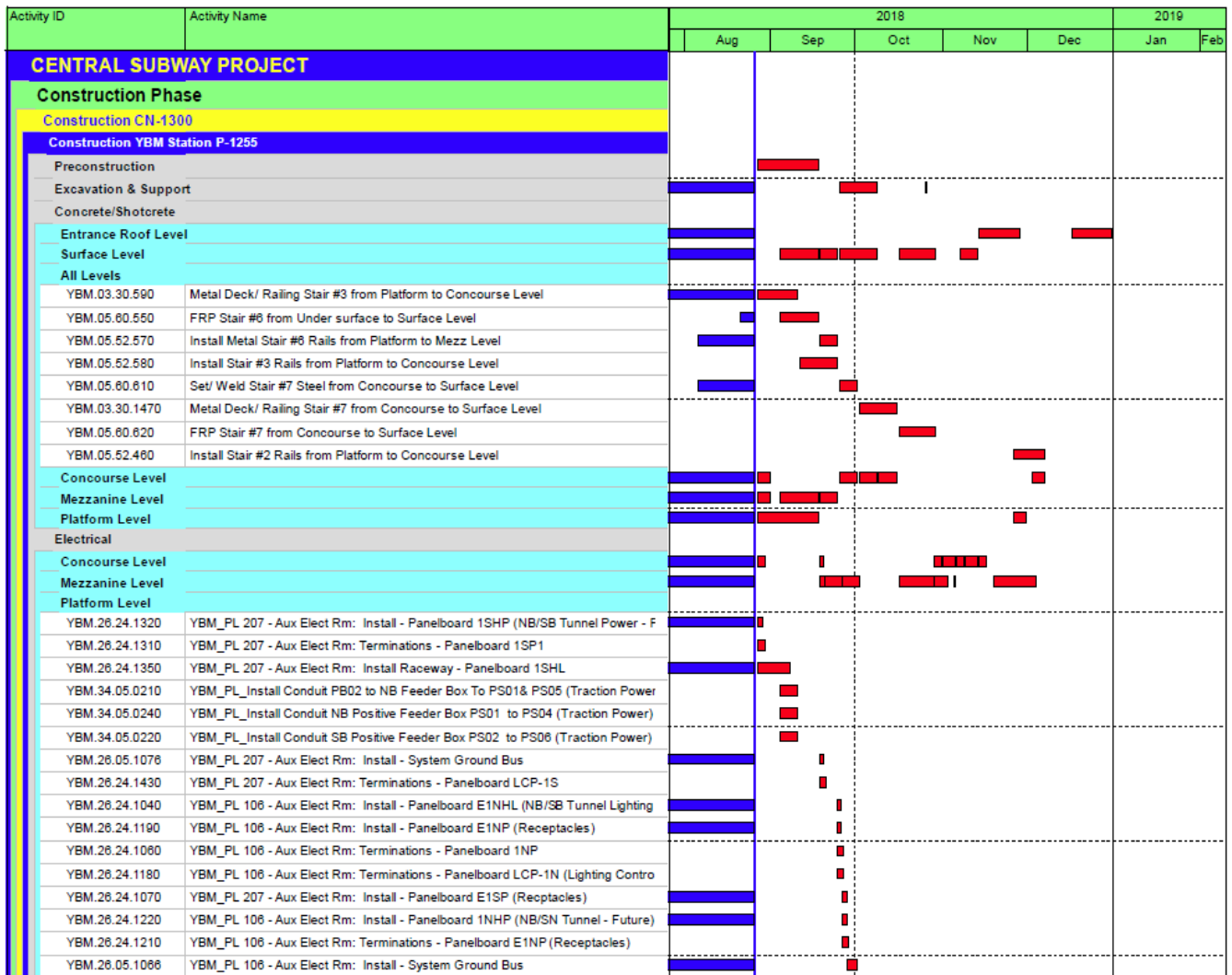
## Contract Details

Contract Awarded:	May 21, 2013
Notice to Proceed:	June 17, 2013
Substantial Completion:	June 8, 2018
Contract Award Value:	\$158,089,000
Modifications to Date (\$):	\$662,519
Modifications to Date (Days):	118
Current Contract Value:	\$158,751,519

## Budget/Expenditures ▲

Current Budget	\$163,089,000
Other Project Offset Credits	\$415,331
Expenditures to Date	\$129,275,078

## YBM Three Month Schedule



# Systems, Trackwork, & Surface Station

## Contract 1300 - Work Package 1256

### Description of Work

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

### Current Status

- Continued electrical conduit installation inside tunnel
- Continued pulling traction power cables on 4<sup>th</sup> Street
- Continued installing luminaire arms and luminaires on 4<sup>th</sup> Street
- Completed sidewalk and curb ramp pavement renovation at 4th/Brannan
- Started sidewalk and curb ramp pavement renovation at 4th/Bryant
- Ongoing strut bracket installation in both tubes working South to North



### Work Expected Next Month

- Continue OCS pole installation
- Continue 4<sup>th</sup>/Brannan platform
- Continue electrical conduit installation inside tunnel
- Continue pulling traction power cables on 4th Street
- Continue installing luminaire arms and luminaries on 4th Street
- Continue sidewalk and curb ramp pavement renovation at 4th/Bryant

### Three Month Look Ahead

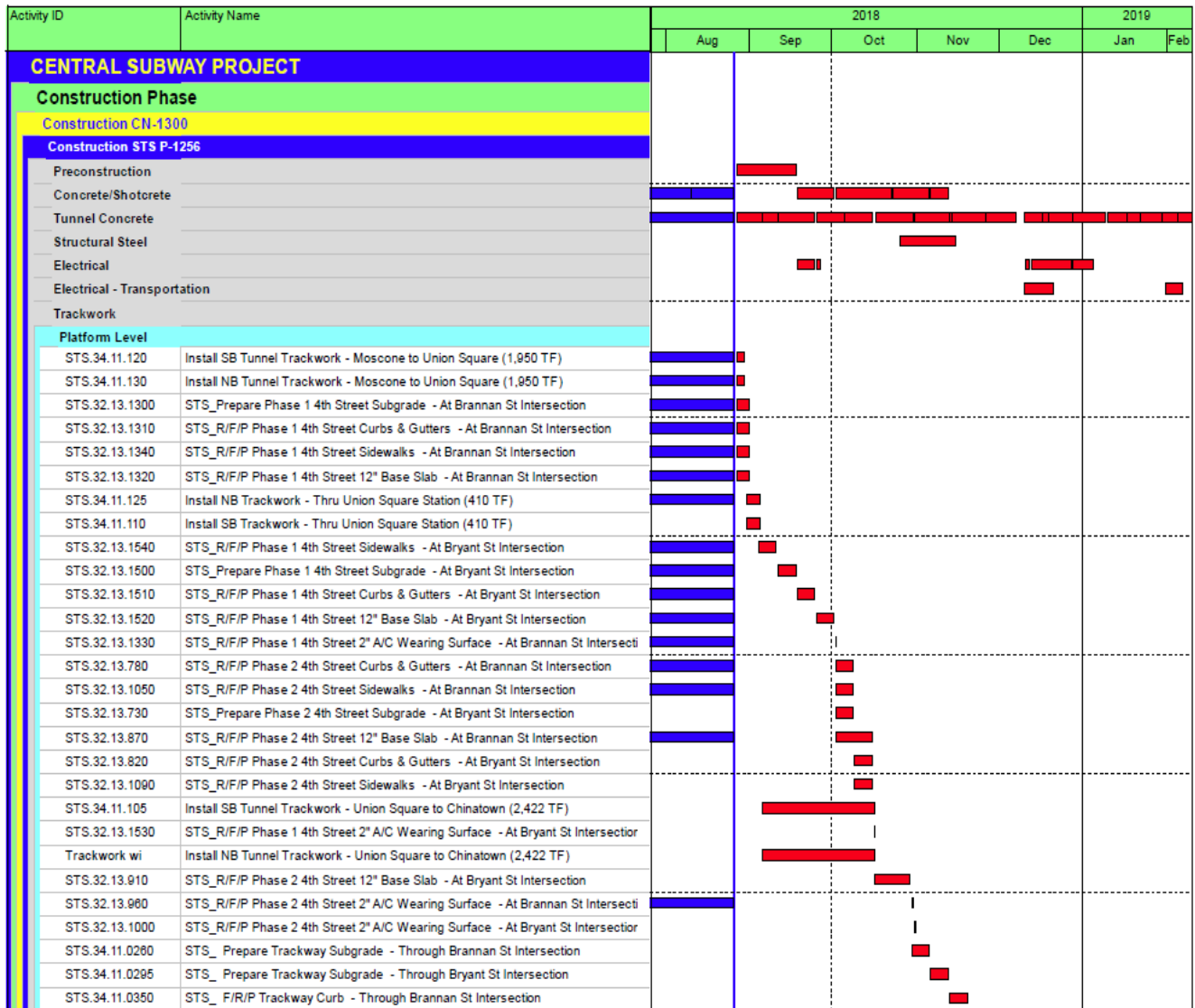
- Complete OCS pole installation
- Complete pavement renovation at 4<sup>th</sup>/Bryant, 4<sup>th</sup>/Brannan, and 4<sup>th</sup>/King intersections
- Continue 4<sup>th</sup>/Brannan platform
- Continue surface track installation
- Continue track installation inside tunnel
- Continue walkway installation inside tunnel
- Continue electrical conduit installation in side tunnel
- Continue pulling traction power cables on 4<sup>th</sup> Street

# Systems, Trackwork, & Surface Station Construction - Continued

Contract Details	
Contract Awarded:	May 21, 2013
Notice to Proceed:	June 17, 2013
Substantial Completion:	June 8, 2018
Contract Award Value:	\$139,989,000
Modifications to Date (\$):	\$2,739,264
Modifications to Date (Days):	118
Current Contract Value:	\$142,728,264

Budget/Expenditures	
Current Budget	\$144,989,000
Other Project Offset Credits	\$2,632,766
Expenditures to Date	\$77,049,788

## Systems, Track and Surface Station Three Month Schedule





# Program Components

## Community Outreach

### Outreach public information, events and presentations for August 2018 include:

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

### Outreach in Support of Mitigation and Monitoring

Team members participated in weekly progress to address neighborhood concerns

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

Weekly photo documentation of project work and editing

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
8/20/2018	<a href="#">Breed blasts Muni chief over delays, background checks and scooter permitting</a>	San Francisco Chronicle	Rachel Swan8/
8/21/2018	<a href="#">SFMTA head's job at risk after Breed calls for changes in leadership</a>	SF Examiner	Joe Fitzgerald Rodriguez

# Quality Assurance

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

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

- 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
- Continuation of Station construction at UMS and YBM
- Waterproofing of CTS Cavern
- STS invert and plinth preparation for and subsequent concrete placement for track installation continue
- STS rail preparation for and subsequent 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, Initial Phase, and in particular, Concrete Preplacement Meetings continue as the scheduled activities dictate
- Bi-Weekly Quality Task Force (QTF) Meetings – ongoing dialog regarding; planning for upcoming Work, identification and mitigation of in-process potentially unsatisfactory work, generation of CNCRs, welding inspection documentation, HOLD points and other items related to TPC's QC efforts in implementing TPC's approved Quality Control Program (QCP). Additionally, the Contractor's Quality Control Manager (QCM) and Assistant QCMs continue to be provided with salient information from the PQM's participation/attendance in Project and Work Package Progress Meetings
- Weekly Work Package Progress Meetings for STS, YBM, UMS and CTS
- Monthly Project Risk Mitigation, Safety and Security and weekly MEP Progress and CMB Meetings as scheduling constraints allow

### **Document comment and review:**

- Contractor's submittals, e.g., review of welding, concrete (including shotcrete) and other Quality related submittals/comments as requested to support the RE's and CM, and RFIs related to quality and welding
- QA Staff continues random/spot checks of the 1300 Contractor's Field Testing lab results – accomplished upon review of the preliminary test reports provided as required the Contract Documents via email from the Contractor's testing laboratory which includes concrete cylinders and shotcrete cores and shotcrete C1550 flexural specimens
- Contractor Non Conformance Reports (CNCR) Status as indicated in the TPC QC CNCR Log:
  - ◇ 5 (-3 from July 2018) CNCRs are currently posted to the CNCR Log as INITIAL

## Quality Assurance - Continued

entries (C1300 is required to generate a CNCR within 24 hours of becoming aware of what appears to be non-conforming work).

- ◇ 19 (-1 from July 2018) 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).
- ◇ 16 (+5 from July 2018) 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.)
- ◇ 30 (+6 from July 2018) 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.
- ◇ 275 (+6 from July 2018) CNCRs are currently posted to the CNCR Log as CLOSED.
- ◇ 41 (+1 from July 2018) CNCRs are currently posted to the CNCR Log as VOIDED (subsequent evaluation of the INITIAL CNCRs determined that a CNCR is not warranted)
- ◇ 386 (+10 from July 2018) CNCRs are currently posted to the CNCR Log

### **QA Issues:**

- None to report for August 2018

### **QA Concerns:**

- As described previously, typical to similar Projects, work performed prior to receipt of approval status of required submittals (including coordination and shop drawings)/RIFs with/without knowledge of QC or responsible production supervision, remains a potential item(s) of concern
- Also as previously described and typical to similar Projects, the untimely identification and mitigation (SFMTA approval) of "last minute items", such as too little clear cover for reinforcement due to unanticipated proximity of adjacent objects in a concrete lift, remains an ongoing challenge to all involved. As mentioned last month, Project Quality has not suffered to date; however the aforementioned concern remains
- Continue regarding Project schedule compression demands disrupting RE and Design Staff priorities as mentioned above, Quality has not suffered but the concern remains
- CNCR 354, which documents that standard strength and not high strength 115 RE rail has been furnished and is currently being installed by Tutor Perini Corporation (TPC) the C1300 Contractor. CNCR 354 was dispositioned as Use-As-Is and was then rejected by SFMTA and returned to TPC QC to address the requirements of 34 11 14 *Rail*. SFMTA has subsequently written a letter to TPC directing the removal of the non-conforming rail. Meanwhile, at a meeting with TPC and TPC's track work F & I Subcontractor, SFMTA QA was informed by TPC's Project Manager that CNCR 354 would be voided. SFMTA QA concern is that that CNCR 354 will be voided predicated by TPC perceived ambiguities in the Contract Documents; without consideration of other Contract Document requirements. NCN CT-001 was issued, directing TPC to reinstate CNCR 354. This issue will be closed monitored by SFMTA

### **Other Program QA Practices Implemented:**

- Close-out of Corrective Action Requests: Close outs continued as required from Quality Assurance staff's Audits, Surveillances and PMOC Quarterly Reviews. The status is tracked in the Corrective Action Log that is available to the project team and the FTA PMOC



## Risk Management

Risk Mitigation Management Meeting No. 109 will be held in September 2018. The members of the Risk Assessment Committee will review the top risks in accordance with the risk summary sheet, which have been given a rating by The Committee of six and above.

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

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

### Top Risks

Risk #	Risk Description	Risk Rating	Contract
240	Unresolved Assignment of Schedule Delay Responsibility (may lead to increase cost for the Program)	12	STA
255	Water leaks at YBM station	10	YBM
251	Physical activities missing (not defined) in the schedule / identify activities of undefined scope	8	STA
234	Sequential Excavation Method at CTS - Contractor's propose method will induce detrimental subsidence	7	CTS
253	Do not have adequate resources defined to do the work	6	STA
52	Unacceptable settlement and impact on major utilities at CTS. (OLD SEWERS AND OTHERS WITHIN 20FT SPACE BETWEEN TOP OF CAVERN AND STREET LEVEL)	6	STA
238	Quality Program is ineffective in processing the nonconformance items causing schedule impacts	6	STA
205	Prolong period of CMod's creates additional cost/causes bad blood between Resident Engineer and Contractor	6	STA
229	CN1300 System Acceptance Testing	6	STA
230	SFMTA Commissioning Coordination (inaccurate time for coordination or participation from Muni Ops)	6	STA

# Program Safety & Security

The San Francisco Municipal Transportation Agency is committed to the highest practical level of safety and security standards and practices in the public transit industry. The Safety and Security Management Plan (SSMP) components are reported on below as appropriate including, Safety and Security Committee, the Fire Life Safety and Security Committee the Construction Conformance Verification and Documentation and Contractor Safety and Security.

## **Project Management/Construction Management (PMCM) Team**

Safety bulletin boards have subjects covering the complacency and daily job briefings. Weekly safety meetings are conducted twice a week so all staff have an opportunity to attend.

## **Safety Summary for the 1300 Stations Systems Track Construction Package**

During the month of August, TPC incurred six first aid injuries. They included a bumped head, contusion to the lower leg, foreign object in the eye, contusion to the left knee, skin infection, and left knee pain. All were treated by a local clinic and the injured employees returned to work the same day.

We are working with TPC to establish a better and more effective management accountability program. This is being directed primarily at TPC management, superintendents and forepersons. The program will hopefully help mitigate the safety incidents being incurred once it is fully implemented and supported by TPC management.

## **Table 1300 Stations Construction Safety Record**

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

### **Next Month Look Ahead**

#### **1300 Contract**

1. At the CTS station, TPC will complete contact grouting for Crossover Cavern arches and rebar installation and concrete placement for the North and South Platform arches.
2. At the UMS station, TPC will complete installation of fire sprinklers on Fan and Concourse levels.
3. At the YBM station, TPC continues MEP work at Headhouse Concourse area.
4. At the STS station, TPC and their sub contractors continued electrical conduit installation inside the tunnel.

# Program Safety & Security - continued

## Project Safety Record - Contract 1300

Through Month End August 2018

### SAFETY GOALS

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

JOB TO DATE	Tutor	Subs	Total Project	Rate*
OSHA Recordable Accidents	9	4	13	0.85
Job Transfer or Restricted Duty Cases	0	0	0	0.00
Lost Time Cases	2	1	3	0.20
<b>Total Project Incidents</b>	<b>11</b>	<b>5</b>	<b>16</b>	<b>1.04</b>
Man Hours Worked Through M/E August 2018	1,444,455	1,621,719	3,066,174	

YEAR TO DATE (Month ,Day, Year to Month, Day, Year)	Tutor	Subs	Total Project	Rate*
OSHA Recordable Accidents	4	2	6	2.63
Job Transfer or Restricted Duty Cases	0	0	0	0.00
Lost Time Cases	1	0	0	0.00
<b>Total Project Incidents</b>	<b>5</b>	<b>0</b>	<b>3</b>	<b>1.31</b>
Man Hours Worked Through M/E August 2018	308,173	148,928	457,100	

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

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

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

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



## Technical Capacity

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



***A worker hoists a piece of plywood used to cover a portion of shallow utility trenches along the sidewalk at 4th and Brannan.***

## Staffing

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

	Jun-2018		Jul-2018		Aug-2018	
	Planned	Actual	Planned	Actual	Planned	Actual
<b>Project Management</b>						
Program Management	6.60	4.70	6.60	4.70	6.60	4.70
Quality Assurance	1.80	0.00	1.80	0.80	1.80	0.80
Contract Administration	1.40	10.40	1.40	10.40	1.40	10.40
Community Outreach	5.50	2.50	5.50	2.50	5.50	2.50
Finance	2.00	0.00	2.00	0.00	2.00	0.00
Project Controls	4.80	3.90	4.80	3.90	4.80	3.90
Subtotal	22.10	21.50	22.10	22.30	22.10	22.30
<b>Construction Management</b>						
CM - CN 1252	0.00	0.00	0.00	0.00	0.00	0.00
CM - CN 1300	20.05	25.50	21.55	25.50	21.55	25.20
Design Support - CN 1252	0.00	0.00	0.00	0.00	0.00	0.00
Design Support - CN 1300	9.00	9.00	9.00	9.00	9.00	9.00
Subtotal	29.05	34.50	30.55	34.50	30.55	34.20
<b>Start Up</b>						
Start Up / Safety & Security	5.95	0.20	5.95	0.20	5.95	0.20
Subtotal	5.95	0.20	5.95	0.20	5.95	0.20
<b>Total</b>	<b>57.10</b>	<b>56.20</b>	<b>58.60</b>	<b>57.00</b>	<b>58.60</b>	<b>56.70</b>

## 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 24 cars continues. 7 cars are now in service, with 9 more on property going through the test and commissioning process. The delivery and acceptance process is on schedule to put one vehicle in service per week.



***A blue light marks the location of cross-passage 5, a hallway mined out between the two tunnels for drainage, access, and safety purposes.***



# central **T** subway

## Current Construction Activity



**Chinatown (CTS)**



**Union Square/Market Street (UMS)**



**Yerba Buena/Moscone (YBM)**



**4th St. Surface Track, Systems (STS)**





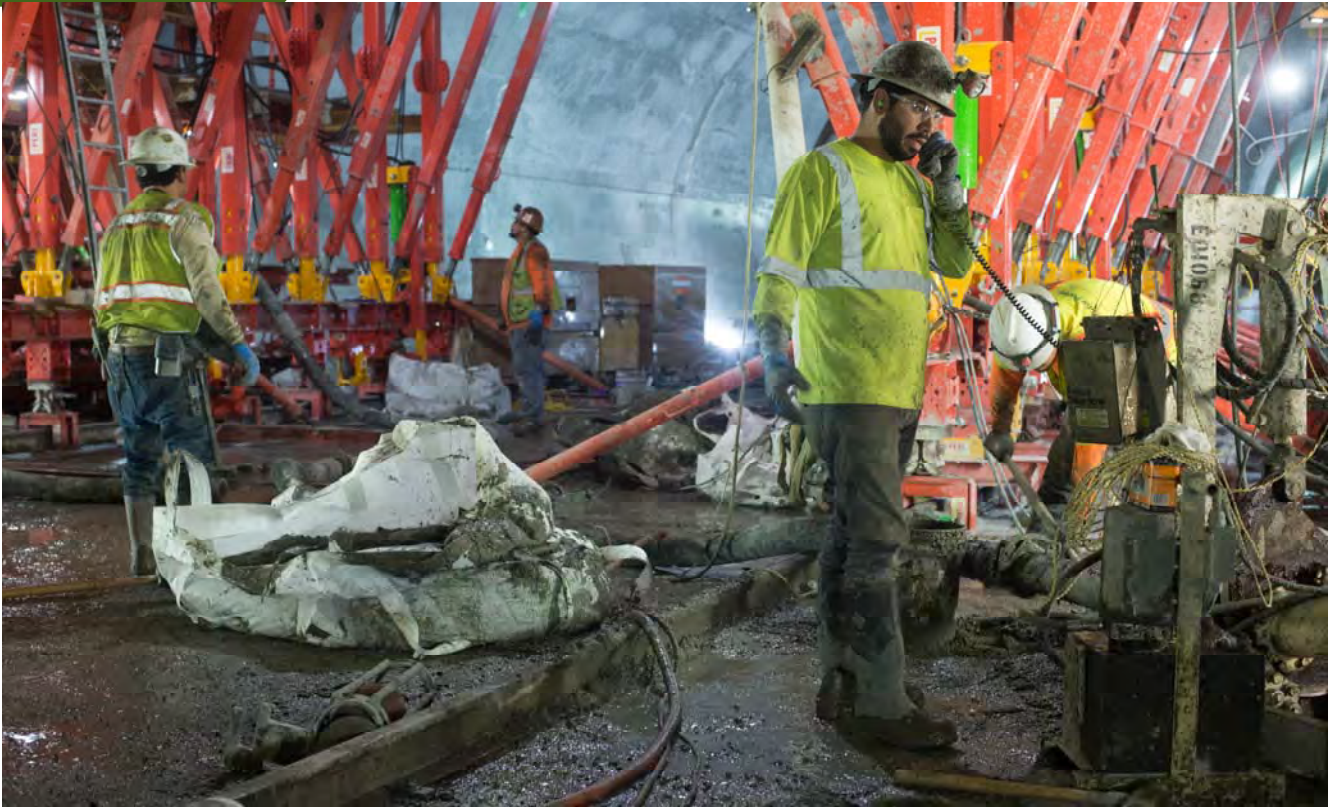


*A worker climbs the ladder from the under-platform level to the platform level at the entrance archway between the headhouse and station cavern.*

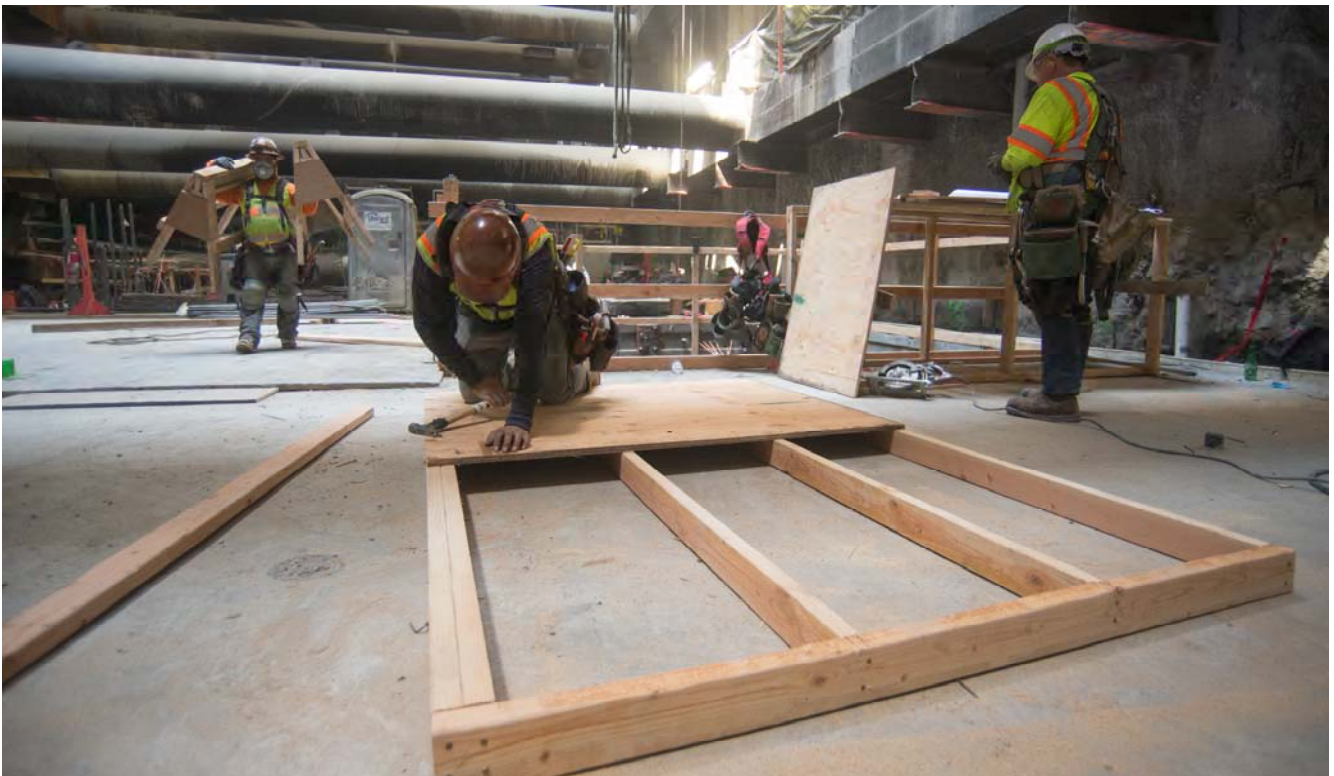


*Workers review construction of the inner shell of the Chinatown Station track crossover cavern, a cavern just south of the future station platform where trains will be able to cross between tracks and turn around before heading outbound.*





*An attendant communicates with concrete pouring crews on the surface from inside the track crossover cavern.*

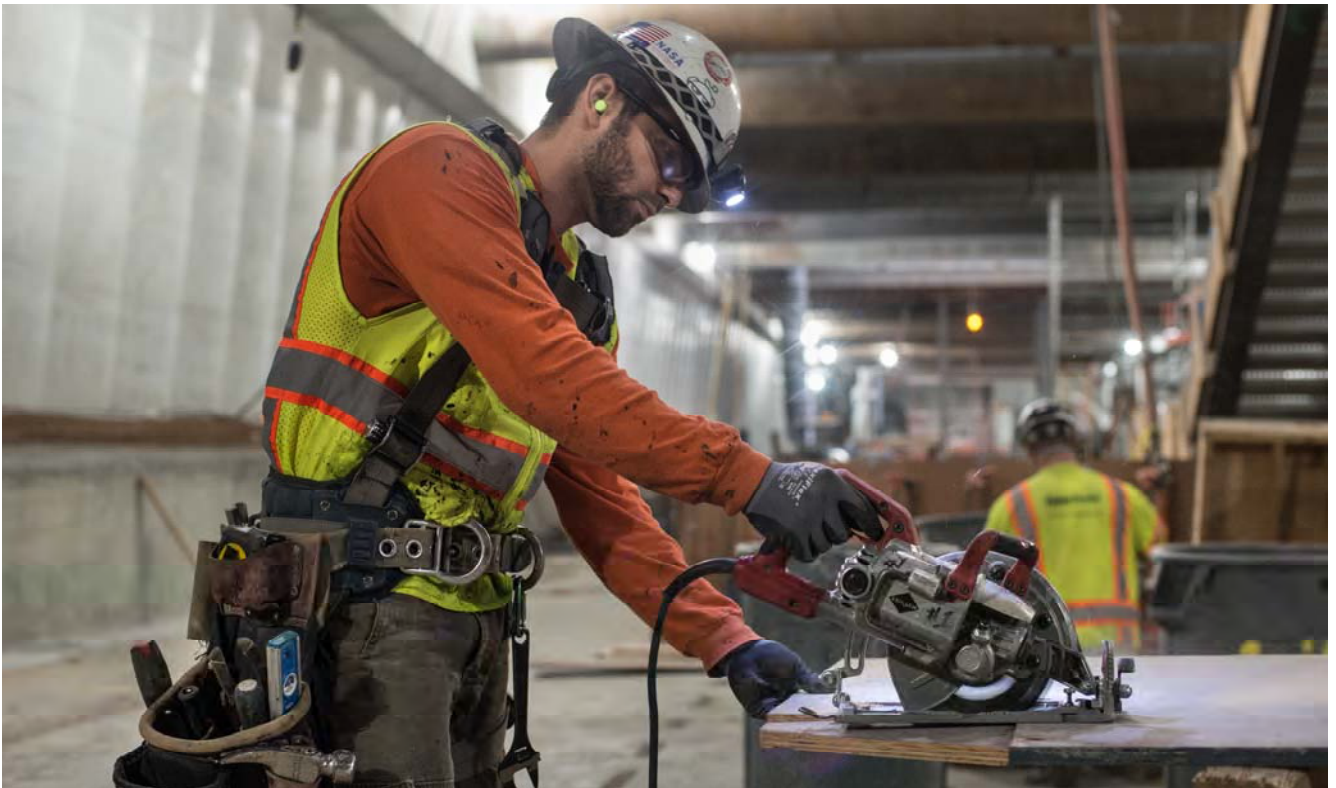


*Carpenters build concrete formwork near the south end of the partially completed head-house platform level floor slab.*





***Concrete forms and rebar can be seen in place to construct stairs leading from the south concourse down to the station platform. These future stairs will be flanked by escalators.***



***A carpenter cuts angled pieces of plywood as part of concrete formwork to build an internal staircase at the south end of the Union Square/Market Street Station platform area.***





***Rebar and formwork has been placed to construct the first section of structural slab for the Union Square/Market Street Station platform.***



***Massive concrete forms were built around rebar cages at the south headwall of the platform level, to build final structural walls at the south end of the station's lowest level.***



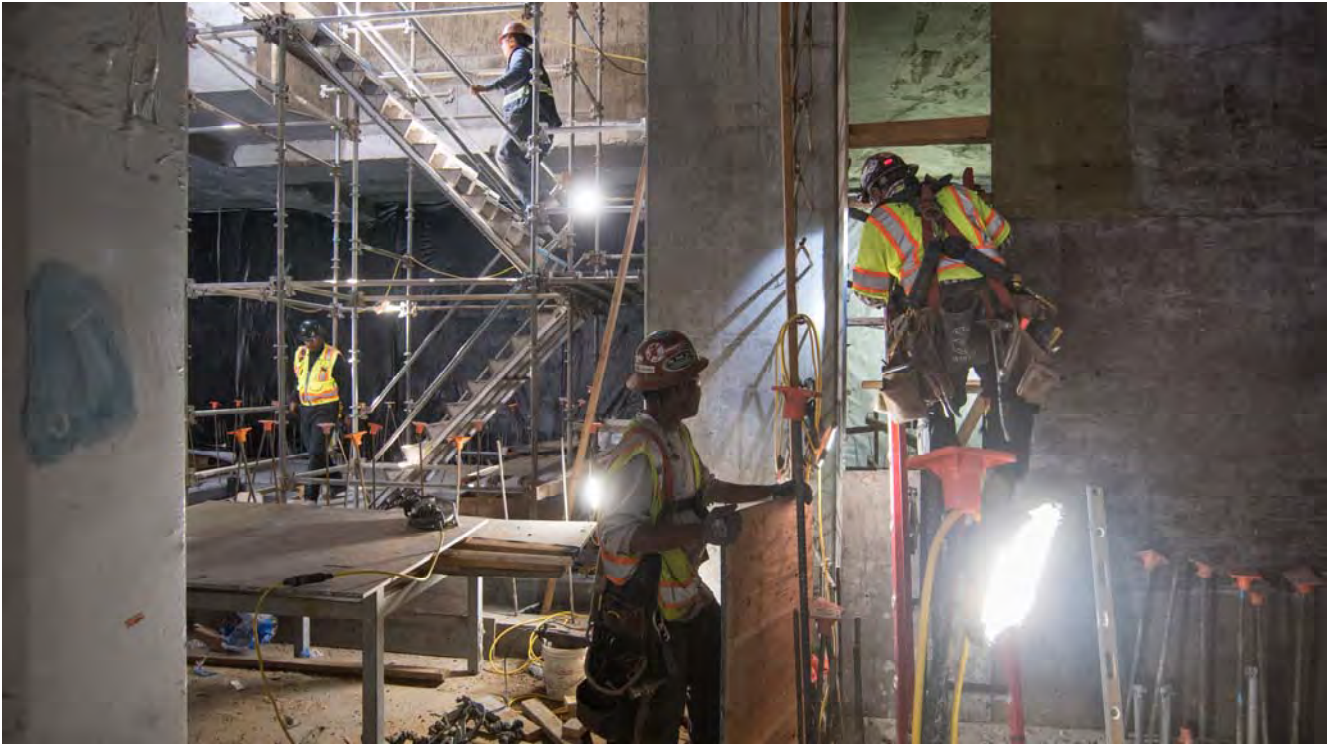


*Carpenters build formwork to construct internal support walls where escalators will eventually be installed inside the Yerba Buena/Moscone Station headhouse.*



*Looking down into an opening in the Yerba Buena/Moscone Station headhouse roof slab, workers are building additional concrete forms for future escalator supports.*





***Crews continue constructing interior walls on the concourse level of the Yerba Buena/Moscone Station headhouse.***



***Rebar is being installed atop corrugated steel used as an underlay to build stairs between two escalators leading to the station platform from the concourse level.***





***Workers cover open holes following trenching work to install underground electrical conduits at the 4th and Brannan intersection.***



***Plywood sheets cover holes dug to expose and examine the locations of existing utilities at the 4th and Brannan intersection.***





***Concrete forms and temporary reinforcing have been built to prepare for construction of the 4th and Brannan surface station platform.***



***Workers install curved strut brackets against the outside walls of the northbound tunnel at the Market Street S-curve. These brackets will be used to mount utility conduits.***

*Appendix A*

**DETAIL COST REPORTS**

\*August 2018 Notice: The City is in the process of transitioning from FAMIS to Financial System Project (FSP). During the transition, we are unable to provide accurate financial updates. Once FSP is updated and validated, we will reconcile our reports accordingly. We will be projecting current expenditures and anticipate the reconciled updates will be available early next year.

**1. PROJECT COST**

The Current Cost Estimate (CCE) for the Central Subway Project is **\$1.578 billion** in year of expenditure dollars (\$YOE). This total project cost is shown at the top of Report 7.1, Program Project Budget. This capital cost projection incorporates allocated and unallocated contingencies to cover the risks associated with the project completion.

Total net incurred costs for the project are \$1,250.31 million, a \$18.02 million increase over last month. The cost to date figure reflects expenditures through FAMIS 786 Report (\$1,211.06 million) plus the utilities joint trench Form B Reimbursement payment (\$11.27 million), invoices currently being processed (\$24.42 million) and estimates of outstanding pay requests (\$3.58 million). This incurred amount equals 79.22% of the total project budget of \$1.578 billion.

The current funding level to date is \$1,494.00 and includes Prop K \$13.75 million FY2018/2019 RTIP Fund Exchange appropriated in June 2018. This represents 95% of the total project budget.

CONTRACT	PP NO	PP PERIOD TO	PROG PYMT AMOUNT
CS155.1*	69	3/31/2016	\$ 13,280.00
CS155.1*	70	6/30/2016	\$ 24,327.00
CS155.1*	71	9/30/2016	\$ 65,000.00
CS155.1*	72	12/30/2016	\$ 50,000.00
CS155.1*	73	3/31/2017	\$ 35,282.00
CS155.2	97	3/31/2018	\$ 203,764.70
CS155.2	98	4/30/2018	\$ 193,208.50
CS155.2	99	5/31/2018	\$ 117,610.69
CS155.2	100	6/30/2018	\$ 223,617.17
CS155.2*	101	7/31/2018	\$ 223,617.17
CS155.2*	102	8/31/2018	\$ 223,617.17
CS155.3	95	2/28/2018	\$ 53,159.35
CS155.3	96	3/31/2018	\$ 62,775.50
CS155.3	97	4/30/2018	\$ 73,855.71
CS155.3	98	5/31/2018	\$ 67,349.67
CS155.3	99	6/30/2018	\$ 61,312.40
CS155.3*	100	7/31/2018	\$ 61,312.40
CS155.3*	101	8/31/2018	\$ 61,312.40

CONTRACT	PP NO	PP PERIOD TO	PROG PYMT AMOUNT
CN 1300	54	6/30/2018	\$ 5,502,267.00
CN 1300	55	7/31/2018	\$ 4,743,724.00
CN 1300	56	8/31/2018	\$ 11,728,456.00
CS149	113	4/30/2018	\$ 724,562.55
CS149	114	5/31//2018	\$ 663,896.71
CS149*	115	6/30//2018	\$ 663,896.71
CS149*	116	7/31/2018	\$ 663,896.71
CS149*	117	8/31/2018	\$ 663,896.71
CS156*	86	1/31/2018	\$ 20,701.47
CS156*	87	2/28/2018	\$ 20,701.47
CS156*	88	3/31/2018	\$ 20,701.47
CS156*	89	4/30/2018	\$ 20,701.47
CS156*	90	5/31/2018	\$ 20,701.47
CS156*	91	6/30/2018	\$ 20,701.47
CS156*	92	7/31/2018	\$ 20,701.47
CS156*	93	8/31/2018	\$ 20,701.47
other accruals*		8/31/2018	\$ 669,174.03

\* Estimated Amount \$ 28,003,784.01

**2. CONTINGENCY ALLOCATIONS AND USAGE**

The current Total Project Contingency is **\$67.46 million**, which is a \$42.46 million favorable balance against the current Minimum Contingency level of \$25 million. The Contingency Drawdown Curve is shown in Report 7.3. Follows by Report 7.4 Contingency Management Trend Report with the Remaining Contingency after Approved Changes Deducted contingency items in column "I".



In this reporting period, Contract 1252 Tunnel did not process any contract modifications. Contract 1300 Station processed three contract modifications in the amount of \$3,719,441. Refer to Report 7.5 for approved contract modifications and potential changes.

**3. BUDGET TRANSFERS**

Contract 1300 Station processed three contract modifications in the amount of \$3,719,441; two in SCC 40 category and one in SCC 20 category. There is a net budget transfer of \$0 in this reporting period due to the further drill down of SCC 10-50 categories; allocated contingency is in SCC 20 category. When a contract modification is processed, the funds are drawn from allocated contingency.

**4. FORM B**

The Utilities Joint Trench Form B Details is listed in the Table A2 below. Total utilities joint trench Form B Reimbursement payment to three construction contracts is \$11.27 million.

TABLE A2: UTILITIES JOINT TRENCH FORM B DETAILS	[A] Mar 2015 BUDGET	[B] EXPENDED TO DATE	Associated Cost Account
1.3.491.07.040.02 - FORM B - CN1250 UTILITY REIMBURSEMENT	(2,275,419)	2,463,325	1.3.081.07.040.02 - 1UTL:SITWORK: UTILITIES & RELOC
1.3.491.08.040.02 - FORM B - CN1251 UTILITY REIMBURSEMENT	(7,618,412)	3,608,217	1.3.082.08.040.02 - 2UTL:SITWORK:UTILITIES&RELOCATE
1.3.491.02.040.02 - FORM B - CN1252 UTILITY REIMBURSEMENT		3,975,656	1.3.083.02.040.02 - TUNN:Sitework:Utilities & Relocate
1.3.491.04.040.02 - FORM B - CTS: CN1300 UTILITY REIMBURSEMENT	(451,703)	441,304	1.3.085.04.040.02 - CTS.1254: SITE UTILITIES, UTILITY RELOCA
1.3.491.09.040.02 - FORM B - STS: CN1300 UTILITY REIMBURSEMENT	(1,000,000)	-	
1.3.491.03.040.02 - FORM B - UMS: CN1300 UTILITY REIMBURSEMENT	(528,370)	466,189	1.3.084.03.040.02 - UMS.1253: SITE UTILITIES, UTILITY RELOCA
1.3.491.05.040.02 - FORM B - YBM: CN1300 UTILITY REIMBURSEMENT	(100,000)	314,072	1.3.086.05.040.02 - YBM.1255: SITE UTILITIES, UTILITY RELOCA
<b>TOTAL</b>	<b>(11,973,904)</b>	<b>11,268,764</b>	

**5. EARNED VALUE (EV) ANALYSIS**

In August 2018 Report, the Preliminary Earned Value Analysis reports is based on the SFMTA August Schedule Update. The Planned Value, Earned Value, Actual Cost, Percent Complete and resulting indexes as follows:

**Preliminary August Earned Value**

Overall Budgeted Cost:	\$1,578,300,000
Planned Value:	\$1,529,338,958
Earned Value:	\$1,255,478,910
Actual Cost:	\$1,250,305,950
Schedule Performance Index (SPI):	0.82
Cost Performance Index (CPI):	1.00
Percent Complete:	79.5%



SFMTA, EV Chart  
 August 31, 2018 Update

Activity ID	Activity Name	Start	Finish	Performance % Complete	Budgeted Total Cost	Planned Value Cost (PV)	Earned Value Cost (EV)	Actual Total Cost (AC)	CPI	SPI
<b>CENTRAL SUBWAY PROJECT</b>										
		03-Jun-03 A	02-Feb-22	79.47%	\$1,578,300,000.01	\$1,529,338,958.14	\$1,255,478,909.61	\$1,250,305,949.85	1.00	0.82
	Preliminary Engineering Phase	03-Jun-03 A	07-Jan-10 A	100%	\$46,542,061.34	\$46,542,061.02	\$46,542,061.02	\$46,542,060.53	1.00	1.00
	Final Design	08-Jan-10 A	17-Jun-13 A	100%	\$115,075,987.10	\$115,075,987.06	\$115,075,987.06	\$113,935,802.32	1.01	1.00
	Light Rail Vehicles	15-Apr-13 A	12-Sep-19	8.25%	\$26,385,663.00	\$26,385,663.00	\$2,177,131.58	\$11,929,247.22	0.18	0.08
	Real Estate	01-Aug-08 A	15-May-15 A	100%	\$32,140,417.71	\$37,405,895.00	\$37,405,895.00	\$30,543,064.53	1.22	1.00
	Construction Phase	03-Jan-10 A	19-Sep-21	78.4%	\$1,351,413,475.86	\$1,303,929,362.06	\$1,054,277,834.95	\$1,047,355,775.25	1.01	0.81
	Construction Support and Costs	03-Jan-10 A	19-Sep-21	67.74%	\$203,186,344.20	\$158,988,519.83	\$135,387,639.69	\$147,686,700.44	0.92	0.65
	Construction Utility Contract #1- MOS & Portal CN-1250	04-Jan-10 A	23-May-11 A	100%	\$11,968,150.00	\$11,968,150.00	\$11,968,150.00	\$11,968,150.00	1.00	1.00
	Construction Utility Contract #2 - UMS CN-1251	12-Jan-11 A	15-Oct-12 A	100%	\$20,669,081.47	\$20,794,582.00	\$20,794,582.00	\$20,669,081.47	1.01	1.00
	Construction Tunnels CN-1252	08-Jun-11 A	27-Aug-18	99.44%	\$235,913,500.06	\$251,068,967.23	\$249,672,040.28	\$233,589,322.34	1.07	0.99
	Construction CN-1300	03-Jun-13 A	17-Jan-20	73.91%	\$879,676,400.13	\$861,109,143.00	\$836,455,422.98	\$833,442,521.00	1.00	0.74
	Unallocated Contingency	27-Aug-18	31-Jan-20	0%	\$6,742,405.00	\$0.00	\$0.00	\$0.00	0.00	0.00
	Project Management	31-Jan-20	02-Feb-22	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))
<b>Prelim. Engineering</b>	Expenditure Plan Level of Effort (LOE)	Equals to Planned Value (LOE)	Time Keeping; Vendor Accruals and Invoices
<b>Final Design</b>	Expenditure Plan Level of Effort (LOE)	Equals to Planned Value (LOE)	Time Keeping; Vendor Accruals and Invoices
<b>Procurement</b>	Planned Delivery Date	Actual Delivery Date	Time Keeping; Vendor Accruals and Invoices
<b>Real Estate</b>	Expenditure Plan Level of Effort (LOE)	Equals to Planned Value (LOE)	Time Keeping; Vendor/ Material Accruals and Invoices
<b>Construction</b>	Schedule of Work	% Complete* x Budget at Completion (BAC)	Vendor Accruals and Invoices
<b>Sub-Total</b>	Performance Measurement Baseline (PMB)	Total Earned Value	Total Actual Cost
<b>Below the Line</b>	+ Contingency		
<b>Total</b>	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.

<b>Funding Available Table</b>		
	<b>Funding</b>	
	<b>Committed Funding Sources</b>	<b>Total Awarded Funds to Date</b>
<b>Federal</b>		
Sect. 5309-NS	\$942,200	\$919,182
CMAQ	\$41,025	\$41,025
<b>Federal Subtotal</b>	<b>\$983,225</b>	<b>\$960,207</b>
<b>State</b>		
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
<b>State Subtotal</b>	<b>\$471,100</b>	<b>\$395,598</b>
<b>Local</b>		
MTA	\$0	\$475
Prop. K	\$123,975	\$137,727
<b>Local Subtotal</b>	<b>\$123,975</b>	<b>\$138,202</b>
<b>CPT 544 Total</b>	<b>\$1,578,300</b>	<b>\$1,494,007</b>

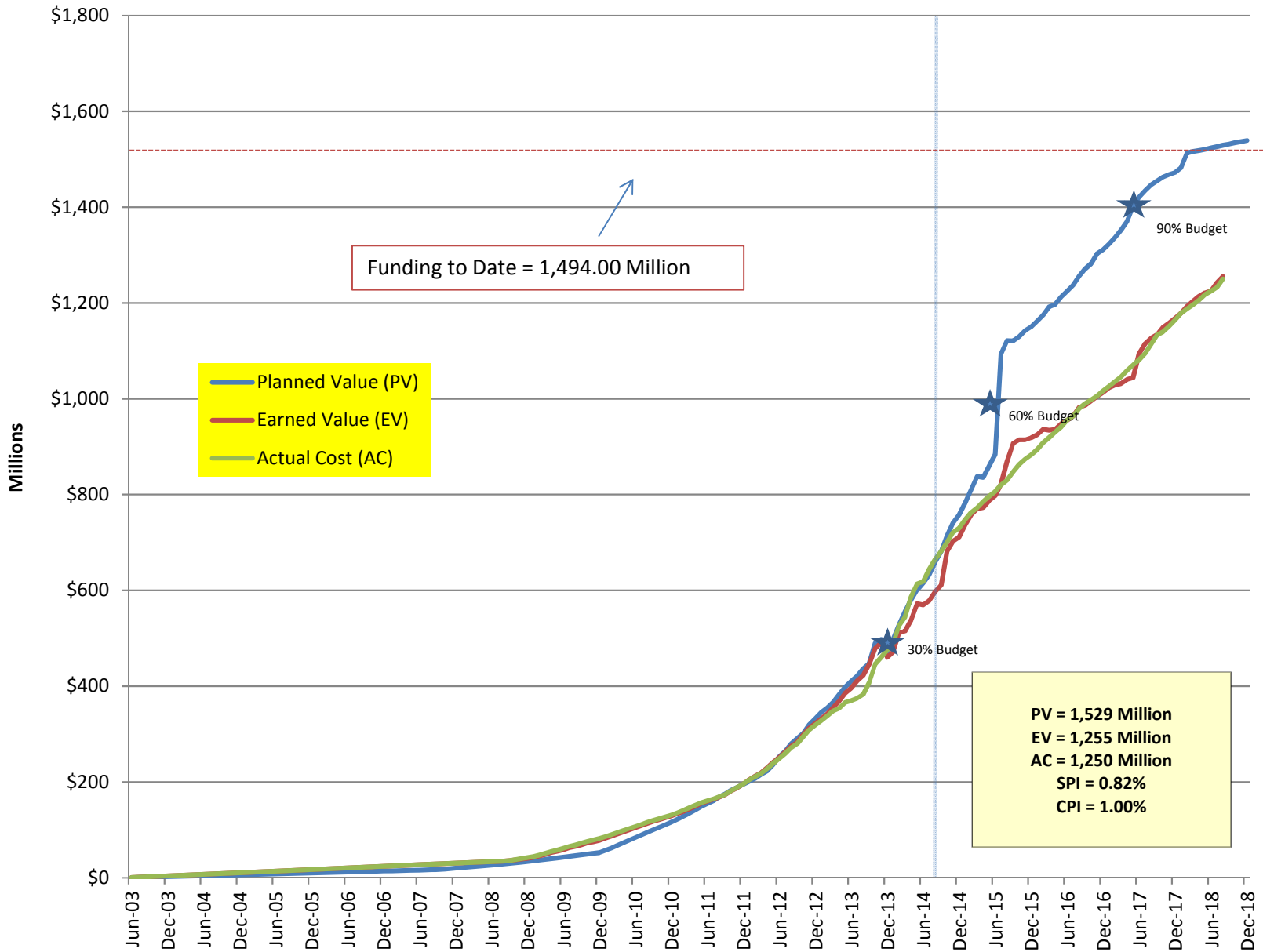
**7. LIST OF COST REPORTS**

- 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



<b>A. Central Subway Project</b>						
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
<b>Total:</b>		<b>\$1,578,300,000</b>				
<b>B. Related SFMTA Capital Improvement Projects</b>						
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
<b>Total:</b>		<b>\$27,047,750</b>				
<b>C. Central Subway Project - Project Offset Credits</b>						
	From	Amount	Index	Notes	Reporting	
1	2009-2016 Utility Co. - Form B Reimbursement	\$12,227,954	--	Construction contracts	yes	6
2	2017-2019 PG&E - Power Feed Reimbursement	\$7,624,540	--	Not yet bill PG&E	yes	7
3	6/26/2013 BART Elevator	\$90,000	68CPT544135B	Not yet rec'd BART Funds	yes	8
4	11/6/2013 Tutor Perini - CAD Files	\$2,500	68CPT5441236	Deposit to Design Index	yes	9
5	1/27/2014 SFPUC - Sewer Main	\$2,925,296	68W251	Certified in Contract 1300	yes	10
6	8/27/2014 SFMTA Traffic Effectiveness Project funded	\$694,651	68W324/686D42	Contract 1252 CMod #40	yes	11
7	9/27/2014 SFPUC - 24" Water Main	\$328,860	68CPT544135A	Contract 1252 CMod #41	yes	12
8	2/15/2015 Chinatown Plaza Construction Estimate	\$75,000	68CPT7181341	Contract 1300 CMod #6	yes	13
9	3/27/2015 SFPUC - 24" Water Main Additional Work Support for North Beach Restoration, OCS and	\$112,102	68W409	Contract 1252 CMod #48	yes	14
10	3/15/2016 Streetlighting	\$155,468	68T7373342D2/D3	Contract 1252 CMod #51	yes	15
11	6/27/2016 DPW - MOU for Water Line above YBM Station SFWD - 8' water line at the intersection of Fourth and	\$438,218	68W592	Contract 1300 CMod #20 Contract 1252 CMod #49 partial	yes	16
12	12/9/2016 Jessie Street	\$21,020	68W456	(\$2,102) and #60	yes	17
<b>Total:</b>		<b>\$24,695,609</b>				

# Earned Value Cash Flow Curve

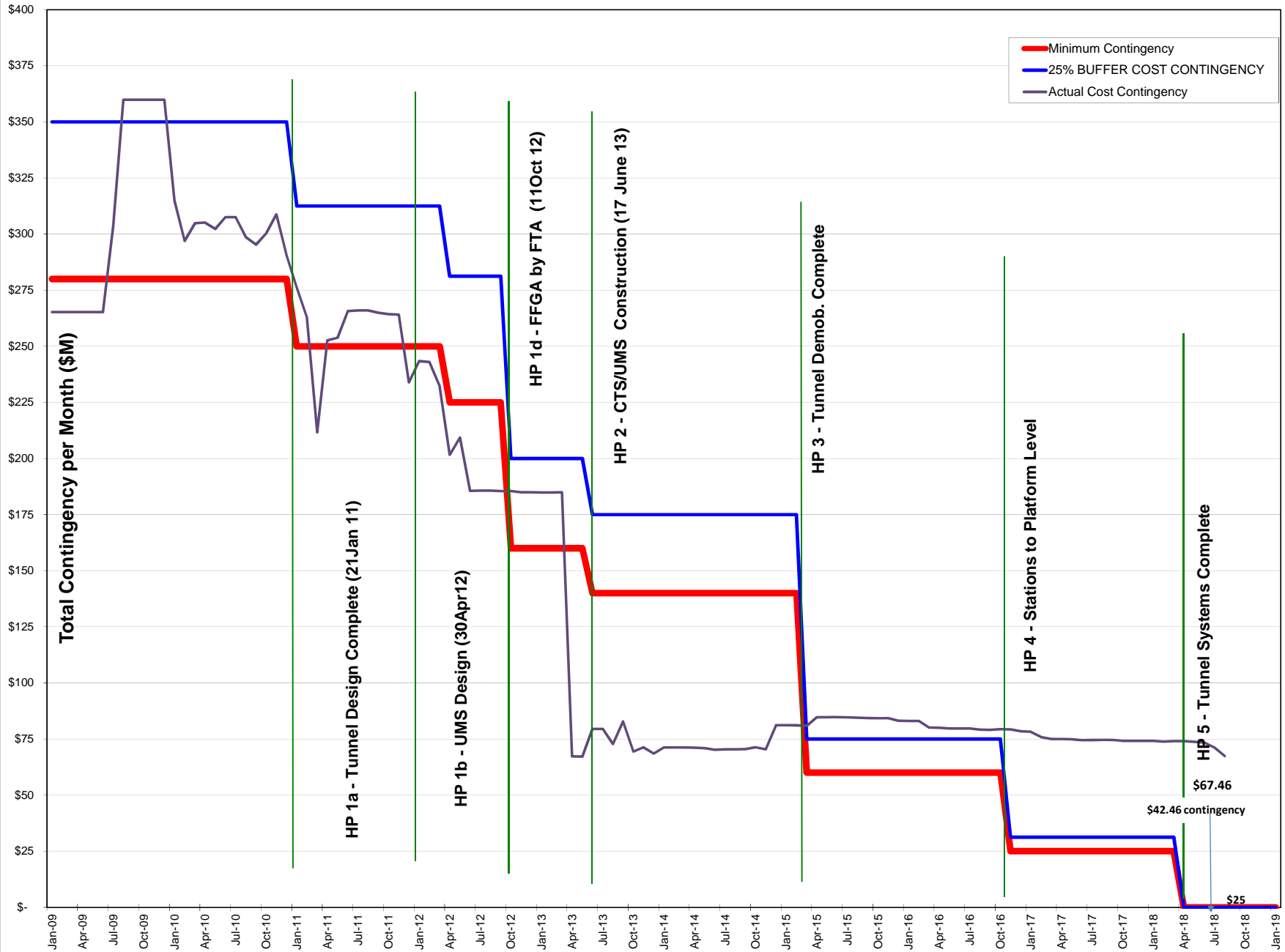


Funding to Date = 1,494.00 Million

Planned Value (PV)  
Earned Value (EV)  
Actual Cost (AC)

PV = 1,529 Million  
EV = 1,255 Million  
AC = 1,250 Million  
SPI = 0.82%  
CPI = 1.00%

# Cost Contingency Drawdown





COST ELEMENT	CONTRACT COST					CONTINGENCY					BUDGET	VARIANCE	Cost Report Notes	
	ORIGINAL CONTRACT VALUE / September 2013 SUPPLEMENTAL BUDGET	APPROVED CHANGES	CURRENT CONTRACT VALUE	POTENTIAL CHANGES	ESTIMATE AT COMPLETION (EAC)	ORIGINAL CONTINGENCY / Sep 2013 SUPPLEMENTAL CONTINGENCY (Include CN 1250 & CN1251)	CONTINGENCY ADJUSTMENT TRANSFERS	REVISED AUTHORIZED CONTINGENCY (Include CN1250 & CN1251)	REMAINING CONTINGENCY AFTER APPROVED CHANGES DEDUCTED [h - b]	REMAINING CONTINGENCY AFTER POTENTIAL CHANGES DEDUCTED [i - d]	ORIGINAL CONTRACT VALUE + REVISED AUTHORIZED CONTINGENCY [a + h]	BUDGET - ESTIMATE AT COMPLETE [j - e]		
	a	b	c [a + b]	d	e [c + d]	f	g	h	i	j	j	k		
<b>SCC 10-50 CONSTRUCTION CONTRACT PACKAGES</b>														
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		18
		166,756		166,756		166,756						166,756		
1251	UTILITY RELOCATION PACKAGE #2 <i>Contract 1251 Department of Technology</i>	16,832,550	3,836,531	20,669,081		20,669,081	5,367,297	(1,530,766)	3,836,531			20,669,081		19
		75,615		75,615		75,615						75,615		
1252	GUIDEWAY TUNNEL	233,584,015	1,363,054	234,947,069	20,000	234,967,069	23,658,464	(21,328,979)	2,329,485	966,430	946,430	235,913,500	946,430	20
1300	STATIONS	839,676,400	12,710,685	852,387,085	20,600,432	872,987,518	20,000,000	20,000,000	40,000,000	27,289,315	6,688,882	879,676,400	6,688,882	21
	1253 UNION SQUARE/MARKET ST STATION [UMS]	294,030,590	2,748,442	296,779,032	7,984,537	304,763,569	5,000,000	15,000,000	20,000,000	17,251,558	9,267,021	314,030,590	9,267,021	
	1254 CHINA TOWN STATION [CTS]	247,567,810	6,560,460	254,128,270	4,281,789	258,410,059	5,000,000	5,000,000	10,000,000	3,439,540	(842,249)	257,567,810	(842,249)	22
	1255 YERBA BUENA/ MOSCONE STATION [YBM]	158,089,000	662,519	158,751,519	5,224,800	163,976,319	5,000,000	5,000,000	5,000,000	4,337,481	(887,319)	163,089,000	(887,319)	
	1256 SURFACE TRACKWORK & SYSTEMS [STS]	139,989,000	2,739,264	142,728,264	3,109,307	145,837,571	5,000,000	5,000,000	5,000,000	2,260,736	(848,571)	144,989,000	(848,571)	
OTHER		31,233,501	1,060,000	32,293,501		32,293,501	1,160,000	1,060,000	2,220,000	1,160,000	1,160,000	33,453,501	1,160,000	23
SCC 10 - 50 Construction Sub-total		1,130,842,776	21,664,482	1,152,507,258	20,620,432	1,173,127,690	52,139,137	(1,328,979)	51,080,226	29,415,745	8,795,313	1,181,923,002	8,795,313	24
<b>SCC 60-80 SOFT COSTS PACKAGES</b>														
60	ROW, LAND, EXISTING IMPROVEMENTS	36,511,799	(4,265,478)	32,246,321		32,246,321	1,000,000	(1,000,000)	0	0	0	32,246,321	0	25
70	VEHICLES	24,108,712	(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	26
80	PROFESSIONAL SERVICES	310,518,041	2,263,498	312,781,539		312,781,539	18,221,079		18,221,079	18,221,079	18,221,079	331,002,618	18,221,079	26a
SCC 60 - 80 Construction Sub-total		371,138,552	(12,801,692)	358,336,860	0	358,336,860	21,498,020	9,799,712	31,297,732	31,297,732	31,297,732	389,634,592	31,297,732	
SCC 90	UNALLOCATED CONTINGENCY						3,845,945	2,896,460	6,742,405	6,742,405	6,742,405	6,742,405	6,742,405	27
<b>TOTAL</b>		<b>1,501,981,328</b>	<b>8,862,790</b>	<b>1,510,844,118</b>	<b>20,620,432</b>	<b>1,531,464,550</b>	<b>77,483,102</b>	<b>11,367,193</b>	<b>89,120,363</b>	<b>67,455,882</b>	<b>46,835,450</b>	<b>1,578,299,999</b>	<b>46,835,449</b>	
											Total Project Budget	1,578,300,000	28	
											Estimate At Completion	1,531,464,550	29	
											Variance	46,835,449	30	

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	\$5,150,000.00	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
31	Launch Box - Slurry Wall Obstructions		COR 32, 34, 42, 43, 62, 65, 67	\$234,438.00	\$233,079,673.23

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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
60	Water Line Work at 4th and Jessie Street		PCC 60	\$21,019.80	funded by SFPUC
61	Credit - CN1300 COR's 54, 390/477, 485, 848, 1058		CORs 54, 390, 477, 485, 848, 1058	(\$68,715.45)	\$235,010,069.15
62	Credit for CP-5 Inspection			(\$63,000.00)	\$234,947,069.15
<b>Sub Total:</b>				<b>\$1,363,054.15</b>	

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



**Contract Modification/Trend Log - Contract 1300 Stations**

<b>Awarded NTE Amount</b>	<b>\$839,676,400</b>	<b>\$852,387,085</b>
<b>Substantial Completion</b>	<b>6/8/2018</b>	<b>6/8/2018</b>

	UMS	CTS	YBM	STS	COST REPORT NOTES
<b>Potential Changes</b>	<b>7,984,537</b>	<b>4,281,789</b>	<b>5,224,800</b>	<b>3,109,307</b>	<b>31</b>
<b>Change Order - Pending</b>					
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		(21,012)			
Job Readiness - CTS		(390,000)			
Job Readiness - STS				(140,000)	
Job Readiness - UMS	(390,000)				
Job Readiness - YBM			(140,000)		
STS Comm and Elec Cabinets Relocati				21,768	
STS COR #89 Extra Sewer Work				15,561	
STS COR #91 PG&E Vault Conf 16" Wtr				68,299	
STS COR 1085 AWSS Conflt w/ 36" Swr				16,135	
STS COR 1115 Unkwn Conc Impdng AWSS				2,586	
STS COR 1194 Unkwn MH Incor MH				2,866	
STS COR 322 Existing Tunnel Cond.				399,000	
STS COR 522 Thickened Str. Stan				6,220	
STS COR 846 Util Conf w/ 78" SW Crw				11,225	
STS COR 924 Ovpod Con inconf Catbsn				2,540	
STS COR 987 Unkn Utl conflt w/ (N)				71,823	
STS PCC 326 Train Control Cab As-Bu				31,987	
UMS COR 070 Blocked Stubs PG&E	9,828				
UMS COR 1076 Unkwn Conduits & Conc	7,141				
UMS COR 1336 Water Test at Ellis	139				
UMS COR 1507 Existing Concrete Wall	744				
UMS COR 389 4" Steel line asbestos	951				
UMS COR 687 Trant Pipe at St 134+00	487				
UMS COR 770 Fiil Void Sp with CDF	1,049				
UMS COR 781 Utilty Trench Supp Slab	42,423				
UMS COR 790 Duct Bank Conflict	42,519				
UMS COR 810 Unkn Bem @ M Macys Wall	426				
UMS COR 845 Unidntfid Conc Obstrctn	6,841				
UMS COR 885 Light Pole Foundation	15,703				

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	<b>UMS</b>	<b>CTS</b>	<b>YBM</b>	<b>STS</b>	<b>COST REPORT NOTES</b>
UMS E Vault Conflicting Pile Line	11,895				
UMS MRY Duct Bank-East Conflict	50,485				
UMS PCC 103 PG&E S.light at Maiden	6,555				
UMS PCC 282 Mezzanine N. Headwall	23,458				
UMS PCC 334 Pothole for Sewer	3,591				
UMS PCC 356 Steel Support at Mezz.	11,324				
USG COR 779 E WI Bm Reinf Chng	5,322				
USG PCC 102 Fire Horn-Strobe	48,149				
USG PCC 105 Adj to Row X and Row Y	28,715				
USG PCC 107 Light Pole Footings	7,205				
USG PCC 110 Term of Built Up Colus	58,065				
USG PCC 124 Irrigation Main	16,266				
USG PCC 186 Bollard on Ramps	28,124				
USG PCC 190 Plaza Level Slab Detail	9,354				
USG PCC 191 Column 14 A Changes	5,290				
USG PCC 68 Ramp Barriers Handrail	32,873				
USG PCC 73 Acceleration of Work	83,187				
USG PCC 87 Tiebacks, L2, GL 14-15	161,294				
YBM COR 075 1252 Conc overpour P-34			22,423		
YBM COR 1062 Elevator #3 Pit Change			53,312		
YBM COR 1105 Unk UST in sidewalk			56,526		
YBM COR 1205 DSC Ductbank & 12" WD			20,127		
YBM COR 1293 Steel Line Conflict w/			2,455		
YBM COR 1377 (E) 20" Waterline conf			24,123		
YBM COR 1534 Square Tubing for Bike			533		
YBM COR 705 Del bems & Embds/Ven sh			(22,928)		
YBM COR 841 Design Chng Stair 1 run			7,638		
YBM COR 953 Added Condensate Drain			6,059		
YBM COR 972 Ex Ut Inc W Ctch Basin			2,982		
YBM PCC 182 Primers & Vents for FDs			10,099		
YBM PCC 209 Tract Power GRS Downsiz			(23,988)		
YBM PCC 252 Protect In-Slab Pipes			15,173		
YBM PCC 69 SW Bulb-out at Stair#1			84,537		
<b>Change Order Request (COR)</b>					
CTS COR 1580 Headhouse Platform Lev		0			

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	UMS	CTS	YBM	STS	COST REPORT NOTES
CTS PCC 375 Removable Slab Embeds		0			
STS COR 1545 ATCS Signal Recommenda				0	
TBM COR 1577 Waterproofing if Headh			0		
<b>Negotiation</b>					
COR 1543 Thales ATCS Sig Recom				0	
CTS - PCC #036 (CMU Wall Bracing)		19,552			
CTS COR 1013 CTS Setlmt Mitigation		20,001			
CTS COR 1016 Locate Water Leak		4,538			
CTS COR 1031 Add Fire Hose Valves		14,896			
CTS COR 1035 FHC & Phns Dsgn Cnflct		10,001			
CTS COR 1061 S Pltfrm Unstable Grnd		150,000			
CTS COR 1070 Pltfrm Lvl Info Kiosk		10,001			
CTS COR 1086 FP Deluge Valve		0			
CTS COR 1107 Compensation Grout		0			
CTS COR 1157 Stringer Support Embed		10,001			
CTS COR 1159 Change Escalator 1 & 2		500			
CTS COR 1175 Compensation Grout Set		10,001			
CTS COR 1177 NDSC Unknown Utilities		5,000			
CTS COR 1186 Unknown 1" Water Serv		16,419			
CTS COR 1249 Add GFRC Panels		130,001			
CTS COR 1253 N. Emergency Egress		6,000			
CTS COR 1308 Dwg Interpretation		67,160			
CTS COR 1401 Excessive Compensation		80,001			
CTS COR 1419 Add Neutral Conductor		9,000			
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 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 568 CMOD 019 Reservations		31,906			
CTS COR 625 Added Cane Detc Rail		1,889			



Contract Modification/Trend Log - Contract 1300 Stations

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	UMS	CTS	YBM	STS	COST REPORT NOTES
CTS COR 628 Add Beams and Embeds		8,285			
CTS COR 679 GI Cutos & Add Sp hds		23,450			
CTS COR 686 Es & GIs Enc Slf Clning		6,716			
CTS COR 695 Mod to Grondng System		10,001			
CTS COR 866 ATCS/Thals Sngl Pwr Sor		10,001			
CTS COR 917 Spriklr Hnging Method		50,001			
CTS COR 923 Esc Equip Room Size		10,001			
CTS Delete PGE Work at Vault 732		(35,036)			
CTS PCC 001 Delete DB on Stockton		(84,018)			
CTS PCC 120 Prov Cond-Lft-net System		0			
CTS PCC 169 JT Config Change		48,068			
CTS PCC 207 SEM Sequencing Changes		0			
CTS PCC 233 Reinf for Headhouse Inv		1,241,941			
CTS PCC 259 Soil/rock Offhaul to Ox		1,500,000			
CTS PCC 262 Cavern Wall Artwork		18,000			
CTS PCC 316 PSG 500 to 750 MCM		75,000			
CTS PCC 347 PGE Permanent Elect		20,001			
CTS PCC 350 Escalator Raceways Mach		4,001			
CTS PCC 351 Trap primers for floor		10,001			
CTS PCC 352 Downspout Requirement		2,001			
CTS PCC 353 Elevators 1 & 2 Machine		101			
CTS PCC 98 Slurry Wall Wr Proofing		0			
CTS PCC#25 Stairs 5, 6, 7 Mods		27,962			
CTS PCC258 Start PCN before Com PCS		0			
CTS-COR#201 Swr Line & Station Roof		37,661			
CTS-Delete Tree Planting		(3,967)			
CTS-FACO#39- Soil Testing cmplly OAB		5,478			
CTS-PCC40 Plaza Surface Slab Pntrtn		4,878			
GEN PCC 183 Electric Power Elevator			31,574		
GEN PCC 189 Anti-Graffiti Film			83,371		
STS - Additn manholes for 78" sewer				25,838	
STS - Deletion of ARS (Revision 1)				(4,689,000)	
STS - PCC#28 Portal Dowels				(1,753)	
STS COR #88 Modify CBs and Culverts				4,395	
STS COR #92 PG&E Vault Conf 12 AWSS				57,560	

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	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 067 FACO #41 GW Lead Filter				22,695	
STS COR 090 Subsurface Obstrc				20,452	
STS COR 093 12" Water Conf 12" Tee				0	
STS COR 094 Unknown DB Conf 12" Wtr				0	
STS COR 1009 AWSS Lat Conflict				186,360	
STS COR 101 Cleaning for non-78" SW				58,906	
STS COR 1012 ATCS Work at SFMTA				10,001	
STS COR 1017 Increase Neopr n Pad le				164	
STS COR 1022 2" Traffic Sgnl Condui				1,428	
STS COR 1034 E live DT/MRY Ductbank				39,041	
STS COR 1045 78" Conc Cap Repair				19,381	
STS COR 1072 Raised Prtl Walkway				(10,001)	
STS COR 1075 U Wall Section Slab				4,001	
STS COR 1091 Conc Footing & PVC				1,551	
STS COR 1097 21" Sewer Bulkhead				13,338	
STS COR 1099 Cnflct with 24" casing				34,788	
STS COR 1100 E Swr Cnflt w/ 18" HDP				48,176	
STS COR 1104 Unkwn Aluminum Pipe				1,974	
STS COR 1116 Live Ductbank in Cnflt				15,000	
STS COR 1119 48" Corrg Pipe Cnflc				16,535	
STS COR 1140 Pothole 12" AWSS				4,022	
STS COR 1147 Utility Conflict				21,783	
STS COR 1150 Unkwn 18" Stl Line				2,316	
STS COR 1164 Slurry Encse 36" FM				15,001	
STS COR 1165 DSC - Unknown void				4,008	
STS COR 1172 DSC Utilities Conflict				17,398	
STS COR 1178 Extra Shoring - 36" FM				2,929	
STS COR 1179 Exst Pipes FM				1,769	
STS COR 1187 Add Pothole WD POC				16,513	
STS COR 1201 Unkwn Stl Conduits				25,000	
STS COR 1202 Acceleration 36" FM				172,036	
STS COR 1203 GSUC Delay Backfill				11,068	
STS COR 1212 Reloc Exst 10" SSFM				10,771	
STS COR 1214 Add WD POC Excav				9,285	
STS COR 1216 Traffic Signal Support				2,241	

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	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 1217 Slurry Backfill Fiber				3,490	
STS COR 1219 MRY DB Confl w 36 FM				50,001	
STS COR 1233 Ext RR Ties Confl Sewe				879	
STS COR 1241 Unkn PVC Conduits				6,945	
STS COR 1251 Shal Utl Trak Slab				130,000	
STS COR 1261 Acceleration 36 FM				6,657	
STS COR 1262 12" WD Blowout				20,078	
STS COR 1266 Shallow Fiber DB				6,531	
STS COR 1271 Addl Parking Strip				0	
STS COR 1275 Golden State Repair				1,863	
STS COR 1276 Install Culvert 4th Br				(7,054)	
STS COR 1285 Unkn Utl Confl TD				10,000	
STS COR 1286 Unkn DB Confl TD				57,212	
STS COR 1287 ATT Box Conflict				25,001	
STS COR 1288 Unkn DB Confl TD				10,000	
STS COR 1290 Traf Sig Box Confl				20,000	
STS COR 1295 CI Offset Conflict				166,028	
STS COR 1296 PVC DB Sewer Conflict				10,000	
STS COR 1309 Brick Sewer Conflict				41,063	
STS COR 1310 Concrete Kicker				10,000	
STS COR 1314 Unkn Stl CI Conflict				5,000	
STS COR 1319 48" Sewer MH Confl				6,336	
STS COR 1323 Utl Confl AWSS FH				28,563	
STS COR 1325 Tide Flex Confl DB				5,935	
STS COR 1328 Invest Swr Lateral				3,257	
STS COR 1331 Brick Wall Conflict				2,908	
STS COR 1333 Changes to Marquee				3,496	
STS COR 1351 Tele Volt Power				0	
STS COR 1372 Conc Blkt AWSS Confl				2,864	
STS COR 1381 Poly Drain Confl MRY				1,116	
STS COR 1393 AWSS Restraint Req				10,001	
STS COR 1402 Subsurface Slab				1,463	
STS COR 1434 Unknown Duct Bank Conf				796	
STS COR 1445 Unkwn Fiber Pave Reno				5,000	
STS COR 1492 Pave Reno 4th Brannan				50,001	



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	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 1497 Pave Reno SW 4th Brann				50,001	
STS COR 1510 Sta Canopy Column Slee				5,001	
STS COR 1544 ATCS Sgnl Recmmndtion				5,001	
STS COR 1562 Curved Unistruts				0	
STS COR 1593 ATT MH 4th Brannan				8,001	
STS COR 164 DSC 8" AWSS Lat Conf 78				4,077	
STS COR 211 SW conf AWSS 4th/Freelo				4,561	
STS COR 220 DSC Relocate MRY DB&Vlt				0	
STS COR 297 TC for Track Work at 4t				150,000	
STS COR 367 DSC Conf w/ CP and FM				40,783	
STS COR 371 Conflicts w/ 12" AWSS				25,364	
STS COR 392 Util at 4th-Town SW MH				13,246	
STS COR 401 AWSS Layout 4th/King				245,991	
STS COR 402 3x5 SW Confl w/ VCP SW				10,000	
STS COR 404 Contam Soil in MRY DB				9,361	
STS COR 406 Addtl TC at 4th/King				675,000	
STS COR 416 Conc DB/wall/lines conf				81,783	
STS COR 447 Added Exc for SFWD POC				29,423	
STS COR 454 Addtl Conflicts w/ 8" W				203,549	
STS COR 455 Conflicts w/ 8" WD Line				10,000	
STS COR 456 Conflicts w/ MRY Poles				20,000	
STS COR 475 Removal of Fiber Optic				1,101	
STS COR 484 New WD & AWSS Alignment				52,174	
STS COR 488 Tunnel Track Alignment				50,001	
STS COR 500 Tunnel Monuments				0	
STS COR 530 Tunnel Track Machine				20,064	
STS COR 533 Conc wall confl util				38,279	
STS COR 536 Util in Conf w 36" FM				66,287	
STS COR 559 Temporary Trolley Pole				5,890	
STS COR 567 Loct of Plinth Breaks				10,000	
STS COR 584 Debris confl w/ culvert				6,275	
STS COR 604 Duct Bank in conf. w se				(13,879)	
STS COR 609 Damaged MRY Conduit				23,436	
STS COR 615 Sump Pump Pit Cover				1,064	
STS COR 621 Additional WD Exc. per				26,293	

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	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 623 Unkn Con Structure				2,966	
STS COR 632 Omit Unist & add Anr Bt				2,180	
STS COR 633 Ligting Arrrests Signal				10,001	
STS COR 641 SW delay due to conf ut				10,025	
STS COR 644 Wod Pier Cnf w AWSS				13,258	
STS COR 657 Tunnel Ca Bsn Dsn Chang				20,000	
STS COR 664 Threaded Dowels				10,001	
STS COR 666 Ukn Con Vlt/con N36"				10,118	
STS COR 675 Dct bnk & 3" Gas Line				17,569	
STS COR 682 Shtdown #1 Rail Mods				9,432	
STS COR 683 Gas Ln & unkn Duct Bank				20,391	
STS COR 694 Tr Rts in con/car pipes				821	
STS COR 699 Dct Bnk in Cnf w 36"FM				23,817	
STS COR 702 Brk Cs Bsn cnct w N Cuv				1,381	
STS COR 703 Tuni Wakway Expn jnts				386	
STS COR 737 Dct Bnk infc w AT&T Rem				2,455	
STS COR 751 Db in coflct 36" FM& MH				75,150	
STS COR 755 AWSS Material Delay				15,204	
STS COR 787 AT&T Dct Bnk InCw N 36"				35,000	
STS COR 788 Add Basin & Culvert				28,843	
STS COR 796 Woodn Piers Woodn Beams				10,001	
STS COR 807 Tunnel Invret Slab				13,198	
STS COR 813 Permissive Signal				10,001	
STS COR 826 DSC Swr Cap & I Beams				15,000	
STS COR 834 Thales ATCS TC Pwr Dist				10,001	
STS COR 849 brk Pen incof w 78" Swr				485	
STS COR 852 Caltrans Encrocmnt Prmt				10,001	
STS COR 865 Sd Swr Mnhl & 15" Sw Ln				15,001	
STS COR 873 Ex L3 DcBnk Incn Pv Ren				12,096	
STS COR 874 Inter Loc of MRY Dc Bk				20,000	
STS COR 880 Ex Dbk in con Ins SC				10,001	
STS COR 890 Ex Pll Box Incon Crb Rm				3,001	
STS COR 893 Abnd Wtr Ser @St 175+21				682	
STS COR 909 PGE Gas Interruption				0	
STS COR 911 E SW Conf w 48" SW				9,632	

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	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 920 Hoist Beam Supports CP5				(1,932)	
STS COR 926 E TS conduits conf w pa				10,000	
STS COR 927 E Gas Conf w N CB				3,000	
STS COR 929 MH Conf w SW Grout				14,297	
STS COR 930 SW Cracks Conf w Grout				5,000	
STS COR 934 Revised Curb/Gutter				10,001	
STS COR 942 Radio Sys Prelim Design				50,001	
STS COR 954 Culvert Field Investiga				20,106	
STS COR 958 Trk Pave Change				(193,611)	
STS COR 962 4th/King Incomp Hrdwr				34,448	
STS COR 965 DB conf w 8" WL and Sle				102,893	
STS COR 970 16" WL Installation				76,221	
STS COR 974 Fldng frm Brkn Wtr Mn				18,610	
STS COR 976 Ex Unkwn Mnhl & Dct Bnk				25,761	
STS COR 979 (N) CB in Conf w/ (E) V				3,639	
STS COR 98 DSC MRY MH Conf w N CB				189,966	
STS COR 980 Repair Install GV				15,456	
STS COR 983 Ex Rbr in Cnflt w/ WL				1,845	
STS COR 995 E 3" Asbs Conduit Cnflt				996	
STS COR 996 Prtl WI Cnflct w/ slab				4,106	
STS COR 997 E Unkn Cncrt Encsmnt				11,292	
STS COR 999 E 18" Steel Pipe Confli				0	
STS Existing Fuel & Transite in MRY				14,101	
STS PCC 063 Del ATT/TSIC/PGE on 4th				(36,495)	
STS PCC 084 Removal of ATT DB & Vau				168,173	
STS PCC 096 4th Street SW Slip Lini				828,956	
STS PCC 114 Stdpipe & Cond @ Portal				3,895	
STS PCC 117 PDS Signs Moun Brack				50,034	
STS PCC 121 PG&E Pnts Streetlightig				282,638	
STS PCC 151 LED Street Lamps				114,108	
STS PCC 161 Delete Plat ESPBs				0	
STS PCC 206 Replace CCTV equipment				(315,264)	
STS PCC 223 4th and King Advnc Wrk				32,732	
STS PCC 224 Addn'l Water Line Work				213,215	
STS PCC 227 Paving for Temp Roadway				78,020	



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	UMS	CTS	YBM	STS	COST REPORT NOTES
STS PCC 232 WL at Welsh St				36,090	
STS PCC 239 Excavate Duct Bank				56,480	
STS PCC 249 Add Water Line on 4th				53,752	
STS PCC 265 Phone Encl Blue Light				63,385	
STS PCC 278 Rev Track Crub Drain				293,927	
STS PCC 283 Power Dist Single Line				24,169	
STS PCC 313 Pave Reno Weekend				217,211	
STS PCC 319 4th Bran Pave Reno Wknd				96,041	
STS PCC 331 Marquee Pole Changes				9,008	
STS PCC 359 4th Bryant Pave Wkend				0	
STS Track Switch Machine Change				391,909	
STS-FACO #48 Work Related St Lght				2,051	
UMS - DCW and Hose Bibbs	29,159				
UMS - N. Entrance Art Glass and Gla	0				
UMS COR 102 Cap on 12 inch Water	8,001				
UMS COR 1074 Traffic Signal Footing	10,001				
UMS COR 1095 Main Box Selec Accel	300,001				
UMS COR 1102 New 8" WD Tie-In	95,838				
UMS COR 1190 Mtr Pedestal at Mrkt S	10,001				
UMS COR 1229 Granite Base Footing	2,001				
UMS COR 1299 E PG&E Vault at Ellis	50,000				
UMS COR 1301 Wtrprfing under 71 Ell	50,000				
UMS COR 1335 Scaffold @ NW Crnr Ell	5,000				
UMS COR 1344 Missing Fixture Info	11,246				
UMS COR 1353 Unknwn WD at Ellis	20,000				
UMS COR 1356 Unknwn Void at Ellis	25,000				
UMS COR 1366 Broken WD at Macy's	3,001				
UMS COR 1408 Escltor #8 CMU Dowels	5,001				
UMS COR 1416 Brkrm Domestic Water	5,001				
UMS COR 1494 Wax Tap Ends N 8" WM	1,001				
UMS COR 1530 E Brick at Stairs 3&4	5,001				
UMS COR 1594 Escltr Equipmt Rm Size	2,001				
UMS COR 1597 Overcurrent Studies	10,001				
UMS COR 1600 Gutter Support Conn	1,001				
UMS COR 1601 Unkwn WD location	2,001				

**Contract Modification/Trend Log - Contract 1300 Stations**

<b>Awarded NTE Amount</b>	<b>\$839,676,400</b>	<b>\$852,387,085</b>
<b>Substantial Completion</b>	<b>6/8/2018</b>	<b>6/8/2018</b>

	<b>UMS</b>	<b>CTS</b>	<b>YBM</b>	<b>STS</b>	<b>COST REPORT NOTES</b>
UMS COR 307 Elevator Site Hazmat	16,028				
UMS COR 336 Vault on Grid Line 9	1,312				
UMS COR 391 AT&T Duct Bank Conflict	25,001				
UMS COR 403 Waterproofing at BART	63,285				
UMS COR 493 Steel Shape Inside Pile	25,001				
UMS COR 636 Bi-Fold Door Tube Steel	24,911				
UMS COR 660 Added Grommets at Booth	3,253				
UMS COR 726 Beam 213 Stair Opening	48,524				
UMS COR 747 NDSC Unidnfied Con Pile	50,000				
UMS COR 817 Odor at N. Concourse	100,000				
UMS COR 831 E BM @ GL10 Connection	2,001				
UMS FACO #31 NDSC Incomplete PGE DB	165,944				
UMS FACO #38 Pile H3 & H4 Piles	7,210				
UMS PCC 003 Date Change to Rcv Art	(10,001)				
UMS PCC 007 Geoprobe Credit	(15,600)				
UMS PCC 027 Escalator Barricade	(9,227)				
UMS PCC 029 Concrete Wale Support	41,424				
UMS PCC 038 BART Instrmnt Transfer	45,280				
UMS PCC 078 Jet Grout at O'Farrell	11,611				
UMS PCC 118 Elevator Overhead Hoist	117,170				
UMS PCC 136 Transformer in Vault 31	25,000				
UMS PCC 150 S. HW Wale Connection	37,174				
UMS PCC 153 Geary Catch Basin	(5,370)				
UMS PCC 166 Revise Feeder Schedules	97,976				
UMS PCC 184 Glass Floor Support	8,089				
UMS PCC 198 Ellis Deck Vertical Joi	22,196				
UMS PCC 212 Trouble Lights	(201)				
UMS PCC 213 Electrical at Ellis St.	(5,994)				
UMS PCC 222 Delete PG&E Conduits	(12,359)				
UMS PCC 230 Ellis AT&T Work	20,131				
UMS PCC 246 Fiber Optic Cable	8,613				
UMS PCC 247 Changes to RP-304	49,279				
UMS PCC 263 LED artwork	116,391				
UMS PCC 270 Receptacles & Circuits	102,288				
UMS PCC 291 Concourse Level Floor D	24,679				

**Contract Modification/Trend Log - Contract 1300 Stations**

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	<b>UMS</b>	<b>CTS</b>	<b>YBM</b>	<b>STS</b>	<b>COST REPORT NOTES</b>
UMS PCC 330 Water Services	57,296				
UMS PCC 345 Lead Paint Abatement	201,899				
UMS PCC 48.1 Sewer Line Conflict	744,465				
UMS PCC 71 Rerouting of Slab Drains	1,236				
UMS PCC 86 Headwall Pile Conflict	8,982				
UMS PCC 93 Ellis Deck Seismic Joint	82,603				
UMS-FACO #30 NDSC Inadequate CDF	361,570				
UMS-Relocation of Traffic Signal Co	32,275				
USG COR 1109 Plaza Conc Strs Rein	10,001				
USG COR 1117 Steel Bracing	2,501				
USG COR 259 Lead Paint on Columns	87,455				
USG COR 261 8" Wall at Grid 11B	5,632				
USG COR 274 Shear Wall at Grid 10	68,945				
USG COR 293 Water on N.Concourse	1,832				
USG COR 777 Rvisd Bm Angle to Ceili	30,001				
USG COR 805 Fotngs 16A As Built Dim	10,001				
USG COR 808 Dimensions at Escalator	1,501				
USG COR 882 HSS Beam Termination	5,001				
USG COR 975 N Cncrs Invert Slab Slp	5,001				
USG COR 998 Class 1 Hazardous Soil	200,000				
USG Hydrant Relocation on Geary St.	58,143				
USG PCC 072 Rmval of Exstg Column	4,116				
USG PCC 080 Door Opngs in Shr Walls	41,774				
USG PCC 101 Elev. Machine Rooms	7,122				
USG PCC 106 Edge of Slab for 8" Con	39,891				
USG PCC 108 Con Wok chges du to DSC	288,022				
USG PCC 112 Glass Walk Roof System	15,744				
USG PCC 116 Demo Column, Const Beam	42,188				
USG PCC 128 Dowls of Rbar Conn Dtls	170,189				
USG PCC 129 Escalator Work Point	360,528				
USG PCC 133 Sheet Metal HVAC Duct	47,102				
USG PCC 134 Temp South Wall Support	90,268				
USG PCC 142 Storage Light & Elect.	26,085				
USG PCC 143 Wall Conn, at GL 10/B	5,906				
USG PCC 164 GL 14 Waterproofing	68,074				



**Contract Modification/Trend Log - Contract 1300 Stations**

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	<b>UMS</b>	<b>CTS</b>	<b>YBM</b>	<b>STS</b>	<b>COST REPORT NOTES</b>
USG PCC 165 Arch. Precast Support	90,705				
USG PCC 174 Fan Trench Strut Clar.	8,810				
USG PCC 197 Precast Planter Pots	11,029				
USG PCC 31 HVAC Trench Mod.	235,133				
YBM COR 1062 Elevator #3 Pit Change			52,312		
YBM COR 1146 Traction Power Neg.			48,935		
YBM COR 1151 Steel Pipe & Steel Bea			79,437		
YBM COR 1154 Elevator Glass Cab Cha			38,859		
YBM COR 1155 Live AT&T Cable			20,000		
YBM COR 1195 Stair #4 Sheet Pile In			10,001		
YBM COR 1281 T-7 Protection			4,428		
YBM COR 1294 Concrete Overpour P-1			98,767		
YBM COR 1306 Hold Point Koden Check			36,957		
YBM COR 1322 Replace Missing SL Con			15,000		
YBM COR 1334 Added Reinforcing Type			5,001		
YBM COR 1337 Added Shear Key at Hea			7,501		
YBM COR 1348 Added Rebar Dowels int			6,501		
YBM COR 1349 DSC Confl w/(E) TS Box			4,001		
YBM COR 1359 RFI #2807 F4 Light Fix			57,479		
YBM COR 1373 (E) Unknown Red Concre			220,416		
YBM COR 1384 Added Concrete Cap Bea			10,000		
YBM COR 1388 Roof Hatch Dimensions			10,001		
YBM COR 1392 SF-1/EF-1 Missing 120V			10,489		
YBM COR 1413 Multiple Existing Util			500,000		
YBM COR 1421 Add 2' Extensions @ #7			9,000		
YBM COR 1425 Escalators 1 & 2 Stop			806,414		
YBM COR 1438 Provide Reinforcing in			3,898		
YBM COR 1457 Fire Hydrant Removal			12,001		
YBM COR 1458 (E) 24" Conflict w/SSF			60,000		
YBM COR 1473 Stair #1 Added Drain			3,501		
YBM COR 1511 Change Coffe Beam			21,274		
YBM COR 1529 Changes to PG&E Power			15,000		
YBM COR 1540 Comm Conduit Conflict			15,001		
YBM COR 1578 Added Drain Rock aroun			101		
YBM COR 1584 Fastening Detail for G			0		

**Contract Modification/Trend Log - Contract 1300 Stations**

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<b>Substantial Completion</b>	<b>6/8/2018</b>	<b>6/8/2018</b>

	UMS	CTS	YBM	STS	COST REPORT NOTES
YBM COR 1595 Details for Crystalliz			0		
YBM COR 1596 Surface slab pour #1 C			3,000		
YBM COR 390 Chip Mezzanine Headwall			60,005		
YBM COR 564 Concrete Encased PG&E			140,346		
YBM COR 691 Add Gurdrl to Str 5&6			45,001		
YBM COR 825 Tunnel Seg Steel Fibers			31,401		
YBM COR 848 Chip Invert Headwall			11,115		
YBM COR 939 Broken Water Dept. Line			54,572		
YBM COR 949 Escalator Raceways			(1)		
YBM COR 955 Form saver-Coupler Mods			305,906		
YBM COR 960 N & S Head WI Rbr Chng			64,027		
YBM PCC 022 Addtl Signage on Clem			12,071		
YBM PCC 061 Escalator Pit Provision			94,576		
YBM PCC 126 Changes to Kiosks			174,948		
YBM PCC 132 Raise Pit Floor Elev 4			39,349		
YBM PCC 159 PG&E Ductbank Changes			(10,001)		
YBM PCC 162 Deluge Valve Door			7,889		
YBM PCC 168 Swing Gates Attachment			178,172		
YBM PCC 171R1 Additional PTZ CCTV			14,093		
YBM PCC 187 Escala. 1-4 HVAC change			110,463		
YBM PCC 202 YBM Mezz Light Fixtures			74,858		
YBM PCC 21 Delete Instrument & Monit			(50,195)		
YBM PCC 214 FHC and AR Phones			23,045		
YBM PCC 287 Elevator Cab Handrail			50,000		
YBM PCC 310 Revisions to Platform E			17,653		
YBM PCC 312R2 Galvanized Bent Plate			280,262		
YBM PCC 340 Stripe Howard 3rd - 4th			316		
YBM PCC 341 Add Trench Drain MER			0		
YBM PCC 369 Rev. to Wind Load Resi			50,000		
YBM PCC 37 SFAC Node Sculpture			79,000		
YBM PCC 41 Install #7 Box Clementin			(11,089)		
YBM PCC 76R AWSS, SSFM, WM Design			188,171		
YBM PCC 79 Install 12in WM to Howar			254,106		
YBM PCC 82 Delete Scope Due to Hote			(39,025)		
YBM PCC 85R Ticketing Hall Changes			57,586		

**Contract Modification/Trend Log - Contract 1300 Stations**

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	UMS	CTS	YBM	STS	COST REPORT NOTES
YBM PCC 91 Concourse Deck Conflict			53,133		
YBM PCC 97 Change Concourse Opening			48,774		
YBM PCC 99 Art Glass Changes			6,880		
<b>Proposed Contract Change (PCC)</b>					
CTS PCC 083 Switchgear Breakers		30,001			
CTS PCC 119 Pltform Lvl Wall Art In		(10,001)			
CTS PCC 135 Esc 5/6 Addl Supp Locs		10,001			
CTS PCC 167 Drn for Glc Canopy on E		5,001			
CTS PCC 177 Add Esc 5 & 6 Supp		1,001			
CTS PCC 178 Add Beams and Embeds		1			
CTS PCC 179 Added Gromets		1			
CTS PCC 180 Extra WD Work for 12" L		1			
CTS PCC 204 Shrnk Ft Prnt Emer Shft		1,001			
CTS PCC 231 Continuous Metal Ring		8,000			
CTS PCC 268 Rstroom Fclty Wall Revs		0			
CTS PCC 332 Add Lighting Artwork		21,000			
CTS PCC 355 FHC and Area of Refuge		3,001			
CTS PCC 365 Headhouse Beam 240 Rein		(1,000)			
GEN PCC 33R End Platform Gate Revisi			57,403		
STS PCC 095 Frame/Grate Change				(50,001)	
STS PCC 160 ATCS Change Reverse Run				400,000	
STS PCC 226 Axle Counter Boxes				41,602	
STS PCC 236 Pavement Survey				2,000	
STS PCC 240 Conduit SFDT Reroute				4,000	
STS PCC 244 PDS Signs				(5,001)	
STS PCC 248 Restab Trac Pwr Ductban				20,000	
STS PCC 250 Add 2" TP Riser Conduits				20,000	
STS PCC 255 Sidewalk Restoration				33,000	
STS PCC 264 Track Drainage Mod				(15,000)	
STS PCC 266 Track Curb Type Mod				(1,001)	
STS PCC 276 Traffic Signal Changes				3,000	
STS PCC 279 WD Work S 4th Brannan				30,000	
STS PCC 280 Pavement Reno Delete				(240,764)	
STS PCC 288 Delete Video Display				(2,500)	
STS PCC 306 Adv Track Slab Excav				5,000	



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	UMS	CTS	YBM	STS	COST REPORT NOTES
STS PCC 308 Crossover Rail Bonding				6,000	
STS PCC 311 Vetag Infrastructure				15,000	
UMS Locate PG&E Conduits	20,001				
UMS MRY Duct Bank-West	54,981				
UMS PCC 122 Drain Piping Details	332,252				
UMS PCC 181 Plaza ADA Enhancements	7,500				
UMS PCC 193 Lightbox & Glazed Door	21,001				
UMS PCC 196 Exhust Fan & Escltr Cnt	20,000				
UMS PCC 201 Door Alarm Points	10,000				
UMS PCC 215 Rmv Conduits in Casing	15,000				
UMS PCC 216 Waterproofing Drainage	50,000				
UMS PCC 217 POC for Drain Line	5,001				
UMS PCC 221 Slab Interaction	8,000				
UMS PCC 256 Platform Art	(29,000)				
UMS PCC 257 Mezz Lvl Hdwl Wale Rein	35,000				
UMS PCC 261 Internal Drainage System	20,000				
UMS PCC 271 Metal Deck Support	30,000				
UMS PCC 272 PG&E Vaults on Ellis St	2,000				
UMS PCC 273 N Entrce Cncrs Lvl HVAC	30,000				
UMS PCC 277 N Entrnc WD Tie-ins	20,000				
UMS PCC 281 Power Infrastructure	50,000				
UMS PCC 292 USG Mechanical Room	30,000				
UMS PCC 293 Gas Line on O'Farrell	20,000				
UMS PCC 295 Geary Bulb Out	25,000				
UMS PCC 296 Water Meter on Ellis St.	(2,001)				
UMS PCC 298 Sewer at Stair 3 and 4	20,000				
UMS PCC 299 South Concourse Opening	10,000				
UMS PCC 309 Bus Shelter on Geary	(2,001)				
UMS PCC 314 Revise Sewer Profile "C"	20,000				
UMS PCC 317 Sidewalk on Geary St.	(20,001)				
UMS PCC 318 Station Door Hardware	50,000				
UMS PCC 325 Escalator Slab Rebar	10,000				
UMS PCC 327 Traffic Signals at Ellis	1,000				
UMS PCC 329 AWSS and Slurry Wall OFA	5,000				
UMS PCC 333 Water Service Offset	5,001				

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	<b>UMS</b>	<b>CTS</b>	<b>YBM</b>	<b>STS</b>	<b>COST REPORT NOTES</b>
UMS PCC 336 8-inch Water Main on OFA	10,000				
UMS PCC 339 - Escalator 7 & 8 Steel	5,000				
UMS PCC 342 3" Sleeve at Comm. Room	750				
UMS PCC 344 PG&E Streetlights	5,001				
UMS PCC 358 Obst. Impacting 12 AWSS	50,000				
UMS PCC 363 Ellis Entrance Finishes	100,001				
UMS PCC 367 Access at Platform Inv.	35,043				
UMS PCC 370 CMU Wall Deck	23,853				
UMS PCC 371 CN04 Electrical Room	20,000				
UMS PCC 374 Deck at Platform Strut	40,001				
UMS PCC 94 Clean out MRY Ductbank	18,060				
USG PCC 109 Rein Dtls for Struc Con	10,001				
USG PCC 111 Conc Cemo & Rev Con Dtl	10,001				
USG PCC 123 South Wall Ground Beams	4,001				
USG PCC 125 Foot,SOG & Str St Chang	50,001				
USG PCC 147 Geary Streetlight	25,000				
USG PCC 154 Trench Drain at 17 Line	1,001				
USG PCC 155 16-D Footing Demolition	18,001				
USG PCC 156 CMU Footings	7,005				
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	15,000				
USG PCC 199R-1 Delete Bm and Plntrs	(36,102)				
USG PCC 89 E. Light Pole Foundation	2,501				
YBM PCC 140 Stair 3, Escalators 1&2			(19,505)		
YBM PCC 145 Stair 7/Escalators 3, 4			20,001		
YBM PCC 148 Elev.3, 4 Hoist Beam MP			40,001		
YBM PCC 152R1 Elevator 1 & 2 changes			100,001		
YBM PCC 210 Elev 1&2 MRL to Hydraul			(5,001)		
YBM PCC 235R1 Granite Art Panel			25,001		
YBM PCC 290 Elimination of Intercar			(20,001)		
YBM PCC 301 Remove directional door			(20,001)		
YBM PCC 302 Delete 4th Wall of CMU			15,000		
YBM PCC 305R1 Signage Revisions			1,000		
YBM PCC 320 Upsized Wires & Breaker			60,000		

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	UMS	CTS	YBM	STS	COST REPORT NOTES
YBM PCC 322 Fill Gap at Panel P-60			10,000		
YBM PCC 328 Platform lvl metal wall			(10,001)		
YBM PCC 361 Station Agent Booth Det			26,000		
YBM PCC 368 Revision to 36" SSFM POC			35,000		
YBM PCC 59 Pavers Basis of Design			7,516		
<b>Approved</b>	<b>2,748,442</b>	<b>6,560,460</b>	<b>662,519</b>	<b>2,739,264</b>	
<b>Contract Modification</b>					
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 #033 CTS Various CORs		56,422			
CMod #034 CTS Various CORs		19,334			
CMod #035 STS PCC 077				11,147	
CMod #037 CTS Various CORs		8,886			
CMod #038 STS Various CORs				52,553	
CMod #039 UMS Various CORs	23,271				
CMod #040 YBM Analytical Soil Test			3,655		
CMod #049 STS DSC CORs				136,728	
CMod #050 STS DSC CORs				67,036	
CMod #053 STS DSC CORs				17,035	
CMod #081 Various DSC CORs & PCCs			57,886		
CMod #082 YBM COR 385			21,170		
CMod #083 YBM Various Changes			27,270		
CMod #084 YBM Various Changes			12,156		
CMod #085 YBM COR 086 Existing AT&T			156,831		
CMod #086 YBM COR 1106			1,897		
CMod #1 BART Elevator Option 1 @ Pow	90,000				
CMod #10 YBM PCC 042			64,287		
CMod #11 UMS PCC 002	12,997				
CMod #12 STS Traffic Control				1,032,302	

Contract Modification/Trend Log - Contract 1300 Stations

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	UMS	CTS	YBM	STS	COST REPORT NOTES
CMod #13 CTS COR 006		57,707			
CMod #15 YBM COR 196			3,178		
CMod #16 UMS COR 184	8,261				
CMod #19 CTS COR 007, 026		2,274,225			
CMod #20 YBM PCC 047 and 45			364,562		
CMod #22 UMS PCC 045, 046	16,198				
CMod #23 UMS PCC 058	63,838				
CMod #3 CTS Work Safely Ard Power Po		25,956			
CMod #30 YBM Various CORs			334,165		
CMod #31 UMS COR 595	53,701				
CMod #32 YBM Various PCCs			92,934		
CMod #36 YBM Conflict with Waterline			14,484		
CMod #4 CTS-Force Account Change Or		130,000			
CMod #41 YBM Class 2 Conta. Material			40,250		
CMod #42 UMS Addl. Service Conduits	36,873				
CMod #43 UMS D85 Structural Pile	65,188				
CMod #44 UMS Grade 50 Steel	572,884				
CMod #46 YBM/CTS/UMS S.walk Hatches			35,489		
CMod #47 UMS Roof Deck Schedule	76,124				
CMod #48 UMS Undgrnd. Storage Tanks	97,817				
CMod #5 YBM Deletion of Comp Groutin			(1,833,869)		
CMod #51 YBM Various CORs and PCCs			24,875		
CMod #52 YBM Undgrnd. Storage Tanks			167,393		
CMod #54 UMS USG Underpinning	732,157				
CMod #55 YBM Archeological Discovery			102,734		
CMod #56 YBM Contaminated Material			106,923		
CMod #57 STS Crossover Materials				21,245	
CMod #58 STS DSC CORs				90,081	
CMod #59 CTS DSC CORs		66,592			
CMod #6 CTS Plaza Constr Supt Servi		75,000			
CMod #60 UMS USG Two Fuel Tanks	61,312				
CMod #61 YBM Various CORs			207,181		
CMod #62 UMS Wales and Waterproofing	277,714				
CMod #63 CTS DSC CORs		38,025			
CMod #64 STS DSC CORs and SFWD				52,570	



**Contract Modification/Trend Log - Contract 1300 Stations**

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	UMS	CTS	YBM	STS	COST REPORT NOTES
CMod #65 UMS Various CORs and PCCs	10,320				
CMod #66 STS Sewer Notching				66,949	
CMod #67 UMS Solar/Low-e Coating	23,290				
CMod #68 STS Various CORs				59,555	
CMod #69 UMS Various CORs	49,682				
CMod #70 YBM Various CORs			178,079		
CMod #71 UMS Haz and Asbestos Abate	81,907				
CMod #72 YBM COR 249. 566			74,694		
CMod #74 UMS PCC 39 12" WtrIn Reloc	336,236				
CMod #75 UMS COR 060 New 8" Wtr Line	58,672				
Cmod #76 YBM COR 806 Gardril credits			(9,611)		
CMod #77 STS Various Changes				56,629	
CMod #78 STS Various DSC CORs				191,175	
CMod #79 STS PCC 014 Traffic Signal				242,427	
CMod #80 STS Add'l Work to DSCs CORs				111,701	
CMod #87 CTS Var Slurry Wall Changes		3,596,000			
CMod #88 STS Various COR Misc Work				38,346	
CMod #89 YBM CORs 390,485 & 848			85,095		
CMod #9 YBM COR 10,15,16,18,20,25			126,663		
CMod 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	
<b>Grand Total</b>	<b>10,732,979</b>	<b>10,842,249</b>	<b>5,887,319</b>	<b>5,848,571</b>	

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

Report Period: August 2018

		July 2018			August 2018				
Group by Contract & SCC	CATEGORY ITEM	July 2018 Base	July 2018 Allocated Contingency	July 2018 Base + Allocated Contingency (YOE)	August 2018 Base	August 2018 Allocated Contingency	August 2018 Base + Allocated Contingency (YOE)	BUDGET TRANSFERS [July 2018] vs. [August 2018]	Cost Report Notes
<b>10-50</b>	<b>CONSTRUCTION CONTRACT PACKAGES</b>	<b>1,148,787,817</b>	<b>33,135,186</b>	<b>1,181,923,003</b>	<b>1,152,507,258</b>	<b>29,415,745</b>	<b>1,181,923,003</b>	<b>0</b>	
<b>1250</b>	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	
<b>1251</b>	UTILITY RELOCATION PACKAGE #2	20,744,696		20,744,696	20,744,696		20,744,696	0	
	Contract 1251 Form B Credit	(7,618,412)		(7,618,412)	(7,618,412)		(7,618,412)	0	
<b>1252</b>	GUIDEWAY TUNNEL	234,947,069	966,430	235,913,500	234,947,069	966,430	235,913,500	0	32
	Contract 1252 Form B Credit	(254,050)		(254,050)	(254,050)		(254,050)	0	
<b>1300</b>	<b>CN1300 STATIONS TOTAL</b>	<b>848,667,645</b>	<b>31,008,755</b>	<b>879,676,400</b>	<b>852,387,085</b>	<b>27,289,315</b>	<b>879,676,400</b>	<b>0</b>	<b>33</b>
<b>1253: UMS</b>	UNION SQUARE/MARKET STREET STATION [UMS]	296,779,032	17,251,558	314,030,590	296,779,032	17,251,558	314,030,590	0	
	UMS 1253 Form B Credit	(528,370)		(528,370)	(528,370)		(528,370)	0	
<b>1254: CTS</b>	CHINA TOWN STATION [CTS]	250,532,270	7,035,540	257,567,810	254,128,270	3,439,540	257,567,810	0	
	CTS 1254 Form B Credit	(451,703)		(451,703)	(451,703)		(451,703)	0	
<b>1255: YBM</b>	YERBA BUENA/ MOSCONE STATION [YBM]	158,666,424	4,422,577	163,089,001	158,751,519	4,337,482	163,089,001	0	
	YBM 1255 Form B Credit	(100,000)		(100,000)	(100,000)		(100,000)	0	
<b>1256: STS</b>	SURFACE TRACKWORK & SYSTEMS [STS]	142,689,918	2,299,081	144,988,999	142,728,264	2,260,735	144,988,999	0	
	STS 1256 SFPUC SEWER MAIN CREDIT	(2,925,296)		(2,925,296)	(2,925,296)		(2,925,296)	0	
	STS 1256 Form B Credit	(1,000,000)		(1,000,000)	(1,000,000)		(1,000,000)	0	
<b>OTHER</b>	<b>OTHER CONSTRUCTION TOTAL</b>	<b>47,446,751</b>	<b>1,160,000</b>	<b>48,606,751</b>	<b>47,446,751</b>	<b>1,160,000</b>	<b>48,606,751</b>	<b>0</b>	
<b>40.06</b>	PUBLIC ART PROGRAM	8,175,555	1,160,000	9,335,555	8,175,555	1,160,000	9,335,555	0	
<b>40.08</b>	CN1300 JOB READINESS PROGRAM - OUTREACH	1,060,000		1,060,000	1,060,000		1,060,000	0	33
<b>40.02</b>	MISC. CONSTR CONTRCT WK (TRACTION POWER FOR 1251)	258,202		258,202	258,202		258,202	0	
<b>40.01</b>	CONTRACT 1300 SOIL PROCESS	500,000		500,000	500,000		500,000	0	34
<b>50.01</b>	TEMPORARY LICENSE AGREEMENT (ATCS CENTRAL CONTROL)	487,972		487,972	487,972		487,972	0	
<b>50.06</b>	MTA FARE COLLECTION EQUIPMENT	5,400,000		5,400,000	5,400,000		5,400,000	0	
<b>50.06</b>	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: August 2018

		July 2018			August 2018				
Group by Contract & SCC	CATEGORY ITEM	July 2018 Base	July 2018 Allocated Contingency	July 2018 Base + Allocated Contingency (YOE)	August 2018 Base	August 2018 Allocated Contingency	August 2018 Base + Allocated Contingency (YOE)	BUDGET TRANSFERS [July 2018] vs. [August 2018]	Cost Report Notes
40.02	JOB ORDER CONTRACTS (JOCS) - CONSTRUCTION	117,255		117,255	117,255		117,255	0	
40.08	AON RISK INSURANCE	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	<b>ROW, LAND, EXISTING IMPROVEMENTS</b>	<b>32,246,321</b>	<b>0</b>	<b>32,246,321</b>	<b>32,246,321</b>	<b>0</b>	<b>32,246,321</b>	<b>0</b>	
60.01	PURCHASE OR LEASE OF REAL ESTATE	30,065,810	0	30,065,810	30,065,810	0	30,065,810	0	35
60.02	RELOCATION OF EXISTING HOUSEHOLDS	2,180,511		2,180,511	2,180,511		2,180,511	0	
70	<b>VEHICLES</b>	<b>13,309,000</b>	<b>13,076,653</b>	<b>26,385,653</b>	<b>13,309,000</b>	<b>13,076,653</b>	<b>26,385,653</b>	<b>0</b>	
70.01	LIGHT RAIL	13,309,000	13,076,653	26,385,653	13,309,000	13,076,653	26,385,653	0	36
70.07	SPARE PARTS								
80	<b>PROFESSIONAL SERVICES</b>	<b>312,781,539</b>	<b>18,221,079</b>	<b>331,002,618</b>	<b>312,781,539</b>	<b>18,221,079</b>	<b>331,002,618</b>	<b>0</b>	
80.01	PRELIMINARY ENGINEERING	46,202,674		46,202,674	46,202,674		46,202,674	0	
80.02	FINAL DESIGN	61,318,331		61,318,331	61,318,331		61,318,331	0	
80.03	PROJECT MANAGEMENT FOR DESIGN & CONSTRUCTION	89,012,545	13,905,845	102,918,390	89,012,545	13,905,845	102,918,390	0	

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

Report Period: August 2018

		July 2018			August 2018				
Group by Contract & SCC	CATEGORY ITEM	July 2018 Base	July 2018 Allocated Contingency	July 2018 Base + Allocated Contingency (YOE)	August 2018 Base	August 2018 Allocated Contingency	August 2018 Base + Allocated Contingency (YOE)	BUDGET TRANSFERS [July 2018] vs. [August 2018]	Cost Report Notes
80.04	CONSTRUCTION ADMINISTRATION & MANAGEMENT	93,360,379	2,956,812	96,317,191	93,360,379	2,956,812	96,317,191	0	
80.05	INSURANCES	6,800,000		6,800,000	6,800,000		6,800,000	0	
80.06	LEGAL: PERMITS. REVIEW FEES BY OTHER AGENCIES	8,212,604		8,212,604	8,212,604		8,212,604	0	
80.07	SURVEYS, TESTING, INVESTIGATION. INSPECTION	933,100		933,100	933,100		933,100	0	
80.08	START-UP	6,941,907	1,358,422	8,300,329	6,941,907	1,358,422	8,300,329	0	
	<b>ALL SCC CATEGORIES 10 TO 80</b>	<b>1,507,124,678</b>	<b>64,432,918</b>	<b>1,571,557,595</b>	<b>1,510,844,118</b>	<b>60,713,477</b>	<b>1,571,557,595</b>	<b>0</b>	37
90	UNALLOCATED CONTINGENCIES			6,742,408			6,742,408		38
	<b>TOTAL PROJECT COST 10 TO 100</b>			<b>1,578,300,003</b>			<b>1,578,300,003</b>		
	<b>TOTAL CONTINGENCY</b>			71,175,325			67,455,885		
	<b>CONTINGENCY MINIMUM</b>			25,000,000			25,000,000		
	<b>BELOW OR ABOVE MINIMUM</b>			46,175,325			42,455,885		



COST STATUS BY CATEGORY	SCC CODES	Supplemental 2013 Budget/Original Budget	BUDGET July 2018	BUDGET TRANSFERS	BUDGET August 2018	August 2018 CTD	Remaining Budget (Column H - Column I)	August 2018 EAC	August 2018 Contingency	Cost Report Notes
		A	B	C	D	E	F	G	H	
GUIDEWAY & TRACK ELEMENTS	SCC 010	282,227,872	285,227,879	-	285,227,879	268,974,829	16,253,050	285,000,098	966,430	39
STATIONS, STOPS, TERMINALS, INTERMODAL SITEWORK & SPECIAL CONDITIONS	SCC 020	573,099,645	585,783,217	(3,634,346)	582,148,872	415,828,518	166,320,354	561,495,004	27,289,315	39
SYSTEMS	SCC 040	235,514,097	215,327,653	3,634,346	218,961,999	210,503,635	8,458,364	229,203,493	1,160,000	39
ROW, LAND, EXISTING IMPROVEMENTS	SCC 050	90,774,397	95,584,254	-	95,584,254	36,064,572	59,519,682	97,429,095		39
VEHICLES	SCC 060	37,511,799	32,246,321	-	32,246,321	30,648,969	1,597,352	32,246,321		
PRELIM ENGINEERING	SCC 070	26,385,653	26,385,653	-	26,385,653	11,929,247	14,456,406	13,309,000	13,076,653	
FINAL DESIGN	SCC 080.01	46,202,673	46,202,674	-	46,202,674	46,202,675	(1)	46,202,674		
PM FOR DESIGN & CONSTRUCTION	SCC 080.02	61,137,604	61,318,331	-	61,318,331	61,184,158	134,173	61,318,331		
OTHER PROF SRVCS	SCC 080.03 - 080.04	197,146,664	199,235,580	-	199,235,580	156,419,970	42,815,610	182,372,923	16,862,657	39
UNALLOC CONTINGENCY	SCC 080.05 - 080.08	24,416,118	24,246,033	-	24,246,033	12,549,378	11,696,655	22,887,611	1,358,422	
Grand Total	SCC 090	3,883,480	6,742,405	-	6,742,405		6,742,405		6,742,408	39
		<b>1,578,300,000</b>	<b>1,578,300,001</b>	<b>0</b>	<b>1,578,300,001</b>	<b>1,250,305,949</b>	<b>327,994,051</b>	<b>1,531,464,551</b>	<b>67,455,885</b>	

SCC DESCRIPTION	August 2018 BUDGET	August 2018 CTD
010.02-Guideway: At grade semi-exclusive (allows cross-traffic)	2,860,000	1,937,500
010.06-Guideway: Underground cut & cover	69,816,407	63,663,292
010.07-Guideway: Underground tunnel	201,340,746	193,977,122
010.09-Track: Direct fixation	6,761,089	5,797,916
010.12-Track: Special (switches, turnouts)	4,449,637	3,599,000
020.01-At-grade station, stop, shelter, mall, terminal, platform	7,602,857	3,252,793
020.02-Aerial station, stop, shelter, mall, terminal, platform	2,260,735	0
020.03-Underground station, stop, shelter, mall, terminal, platform	550,583,442	402,844,278
020.07-Elevators, escalators	21,701,837	9,731,447
040.01-Demolition, Clearing, Earthwork	12,382,885	12,078,515
040.02-Site Utilities, Utility Relocation	65,062,128	71,861,802
040.03-Haz. mat'l, contam'd soil removal/mitigation, ground water treatments	7,534,128	5,893,861
040.04-Environmental mitigation, e.g. wetlands, historic/archeologic, parks	1,122,899	646,858
040.05-Site structures including retaining walls, sound walls	2,708,328	2,706,431
040.06-Pedestrian / bike access and accommodation, landscaping	9,790,995	3,469,929
040.07-Automobile, bus, van accessways including roads, parking lots	6,579,099	5,116,010
040.08-Temporary Facilities and other indirect costs during construction	113,781,537	108,730,229
050.01-Train control and signals	28,127,939	7,619,133
050.02-Traffic signals and crossing protection	12,804,956	11,551,441
050.03-Traction power supply: substations	21,465,073	12,495,998
050.04-Traction power distribution: catenary and third rail	12,441,113	1,985,897
050.05-Communications	12,030,586	1,919,830
050.06-Fare collection system and equipment	6,100,000	152,852
050.07-Central Control	2,614,586	339,421
060.01-Purchase or lease of real estate	30,065,810	28,239,539
060.02-Relocation of existing households and businesses	2,180,511	2,409,430
070.01-Light Rail	26,385,653	11,929,247
080.01-Preliminary Engineering	46,202,674	46,202,675
080.02-Final Design	61,318,331	61,184,158
080.03-Project Management for Design and Construction	102,918,390	72,886,203
080.04-Construction Administration & Management	96,317,191	83,533,767
080.05-Professional Liability and other Non-Construction Insurance	6,800,000	6,340,196
080.06-Legal; Permits; Review Fees by other agencies, cities, etc.	8,212,604	5,344,391
080.07-Surveys, Testing, Investigation, Inspection	933,100	864,790
080.08-Start up	8,300,329	0
090.00-Unallocated Contingency	6,742,405	
<b>Grand Total</b>	<b>1,578,300,001</b>	<b>1,250,305,949</b>

SCC DESCRIPTION	August 2018 BUDGET	August 2018 CTD
010 - GUIDEWAY & TRACK ELEMENTS	285,227,879	268,974,829
020 - STATIONS, STOPS, TERMINALS, INTERMODAL	582,148,872	415,828,518
040 - SITEWORK & SPECIAL CONDITIONS	218,961,999	210,503,635
050 - SYSTEMS	95,584,254	36,064,572
060 - ROW, LAND, EXISTING IMPROVEMENTS	32,246,321	30,648,969
070 - VEHICLES (number)	26,385,653	11,929,247
080 - PROFESSIONAL SERVICES (applies to Cats. 10-50)	331,002,618	276,356,180
090 - UNALLOCATED CONTINGENCY	6,742,405	
<b>Grand Total</b>	<b>1,578,300,001</b>	<b>1,250,305,949</b>

[A] Cost Account Description	BUDGET	ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
	[B] August 2018 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total		
<b>TOTAL PRELIMINARY ENGINEERING</b>	<b>46,542,061</b>	<b>46,542,061</b>	<b>0</b>	<b>0</b>	<b>46,542,061</b>	<b>0</b>	40
11 - SFMTA PROJECT MANAGEMENT	8,800,164	8,253,957	0	0	8,253,957	546,208	41
12 - SFMTA ENGINEERING SERVICES	11,425,594	11,425,594	0	0	11,425,594	0	42
16 - DEPARTMENT OF PARKING AND TRAFFIC (DPT)	921,906	802,883	0	0	802,883	119,023	
21 - ARTS COMMISSION	1,500,570	1,485,420	0	0	1,485,420	15,150	43
22 - FIRE DEPARTMENT	33,825	33,825	0	0	33,825	0	
23 - CITY ATTORNEY'S OFFICE	1,234,754	1,234,754	0	0	1,234,754	0	
24 - RISK MANAGEMENT	0	0	0	0	0	0	
26 - PLANNING	99,604	99,604	0	0	99,604	0	
27 - DEPARTMENT OF PUBLIC HEALTH (DPH)	4,420	4,420	0	0	4,420	0	
29 - CITY AUDITOR	336,735	336,735	0	0	336,735	0	44
32 - DPW - IDC ENGINEERING (HYDRAULIC)	3,336,432	3,336,432	0	0	3,336,432	0	
34 - DPW - IDC CONSTRUCTION (CAPITAL)	17,462	17,462	0	0	17,462	0	
36 - DPW - BSM INFRASTRUCTURE (MAPPING)	76,549	76,549	0	0	76,549	0	
39 - DPW - PCS SITE ASSESSMENT & REMEDIATION (SAR)	13,993	13,993	0	0	13,993	0	
51 - 821 HOWARD STREET	1,005,653	1,005,653	0	0	1,005,653	0	
55 - 651 BRANNAN	2,294,910	2,294,910	0	0	2,294,910	0	45
63 - CENTRAL SUBWAY PARTNERSHIP - AECOM-EPC JV CONTRACT	26,793,234	26,793,234	0	0	26,793,234	0	46
66 - ANIL VERMA	395,204	395,204	0	0	395,204	0	47
67 - HILL INTERNATIONAL CONTRACT 156	6,716,294	6,716,294	0	0	6,716,294	0	48
68 - ARTHUR GALLAGER & CO. CS 164	6,800,000	6,340,196	0	0	6,340,196	459,804	
71 - TUNNEL/UTILITIES - CONTRACT # CONTRACT 155-1	5,469,336	5,469,336	0	0	5,469,336	0	49
72 - STATIONS - CONTRACT # CONTRACT 155-2	26,220,609	26,220,609	0	0	26,220,609	0	50
73 - SYSTEMS/INTEGRATION - CONTRACT 155-3	11,432,312	11,432,312	0	0	11,432,312	0	51
331 - BAY AREA RAPID TRANSIT (BART)	146,427	146,427	0	0	146,427	0	
332 - SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY (S	0	0	0	0	0	0	
<b>TOTAL FINAL DESIGN</b>	<b>115,075,988</b>	<b>113,935,802</b>	<b>0</b>	<b>0</b>	<b>113,935,802</b>	<b>1,140,185</b>	
11 - SFMTA PROJECT MANAGEMENT	16,500,000	12,396,477	38,091	165,985	12,562,462	3,937,538	
1.3.011.01.080.03 - CM:SFMTA LABOR-PROJECT MANAGEMENT	16,500,000	12,396,477	38,091	165,985	12,562,462	3,937,538	
12 - SFMTA ENGINEERING SERVICES	2,923,582	2,573,519	1,546	31,794	2,605,313	318,269	
1.3.012.02.080.04 - CM: SFMTA LABOR-ENGINEERING CONTRACT 125	123,582	57,648	0	0	57,648	65,934	
1.3.012.06.080.04 - CM: SFMTA LABOR-ENGINEERING CONTRACT 130	2,800,000	2,515,871	1,546	31,794	2,547,665	252,335	
13 - SFMTA CONSTRUCTION MANAGEMENT	37,432,035	14,430,360	63,834	2,261,918	16,692,277	20,739,757	
1.3.013.01.080.04 - CM:SFMTA LABOR-CONSTR. MANAGEM	37,432,035	14,430,360	63,834	2,261,918	16,692,277	20,739,757	
16 - DEPARTMENT OF PARKING AND TRAFFIC (DPT)	3,659,313	2,164,774	259	4,399	2,169,174	1,900,993	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT UMS	299,600	121,641	259	2,099	123,740	175,860	



[A] Cost Account Description	BUDGET	ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
	[B] August 2018 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 CTS	274,900	117,572	0	0	117,572	157,328	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT YBM	238,400	167,997	0	2,300	170,297	68,103	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT STS	876,876	263,428	0	0	263,428	613,448	
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	245,049	0	0	245,049	(245,049)	
17 - MOTIVE POWER	2,195	0	0	0	0	2,195	
1.3.017.07.040.02 - PWR:SFMTA-MOTIVE POWER-UTL.REL	2,195	0	0	0	0	2,195	
18 - SFMTA OPERATIONS	400,000	65,618	0	6,962	72,580	235,063	
1.3.018.04.040.02 - OPS:SUPPORT TO CONTRACT 1300/CTS	100,000	26,469	0	0	26,469	73,531	
1.3.018.06.080.07 - OPS:SUPPORT TO CONTRACT 1300 - UMS O/L	50,255	24,468	0	6,962	31,429	18,826	
1.3.018.06.080.07 - OPS:SUPPORT TO CONTRACT 1300/UMS	249,745	14,681	0	0	14,681	235,063	
19 - OTHER SFMTA	1,000,000	944,829	0	0	944,829	55,171	
1.3.019.07.080.07 - OTH.MTA SFMTA-SURVEY; TSTG [6840]	1,800	714	0	0	714	1,086	
1.3.019.08.040.08 - OTH.MTA 1251 MATERIALS	150,000	126,149	0	0	126,149	23,851	
1.3.019.08.080.07 - OTH.MTA OPERATION SUPPORT DUR1	848,200	817,966	0	0	817,966	30,234	
21 - ARTS COMMISSION	12,010,886	4,266,902	176,123	15,869	4,282,771	7,728,115	
1.3.021.01.040.06 - ARTS:CTYCO-ARTS COMMISSION CONSTRUCTIO	4,772,555	0	0	0	0	4,772,555	
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [1227]	1,902,044	388,167	0	0	388,167	1,513,877	52
1.3.021.01.080.04 - ARTS:CTYCO-ARTS COMMISSION [PWE335MPFUN	21,000	12,465	0	0	12,465	8,535	
1.3.021.06.080.03 - ARTS:CTYCO-ARTS COMMISSION PM [285MC.132J	653,244	724,745	50,361	12,951	737,696	(84,452)	
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [PWA335MPFUN	8,512	9,205	0	221	9,425	(913)	
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [PWE335MPFUN	4,439	4,439	0	0	4,439	0	
1.3.021.06.040.06 - ARTS:CTYCO-ARTS COMMISSION [68CPT5441327.C	1,500,000	1,393,660	0	0	1,393,660	106,340	
1.3.021.06.040.06 - ARTS:CTYCO-ARTS COMMISSION [285MCPFUNA.C	1,903,000	1,734,222	125,762	2,698	1,736,919	166,081	
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [132J]	86,091	0	0	0	0	86,091	
1.3.021.97.040.06 - ARTS:ARTS COMMISSION ALLOC CO	1,160,000	0	0	0	0	1,160,000	
23 - CITY ATTORNEY'S OFFICE	2,171,781	1,474,969	0	389,070	1,864,039	307,742	
1.3.023.01.080.06 - ATTY:CN LEGAL-CITY ATTORNEY OF	2,171,781	1,474,969	0	389,070	1,864,039	307,742	
25 - PUBLIC UTILITIES COMMISSION SEWER	(2,925,296)	0	0	0	0	(2,925,296)	

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	[B] August 2018 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total		
1.3.025.09.040.02 - STS.1256: SITE UTILITIES SFPUC SEWER MAIN	(2,925,296)	0			0	(2,925,296)	
26 - PLANNING	137,062	26,697	0	0	26,697	110,365	
1.3.026.01.080.06 - CM:CTYCO-PLANNING DEPARTMENT	137,062	26,697	0	0	26,697	110,365	
28 - PUBLIC UTILITIES COMMISSION WATER	4,242,012	3,905,385	5,375	(75,025)	3,830,360	411,652	
1.3.028.02.040.02 - CM:CTYCO-PUBLIC UTIL COMM. (PUC)	0	4,745	0	0	4,745	(4,745)	
1.3.028.02.040.08 - PUC: FIELD OPERATIONS TUNNEL	398,400	509,302	0	0	509,302	(110,902)	
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	340,525	5,375	72,874	413,399	192,955	
1.3.028.03.080.04 - PUC:CMB CONTRACT 1300/UMS INSPECTION	230,000	34,508	0	0	34,508	195,492	
1.3.028.04.040.02 - PUC:CDD CONTRACT 1300/CTS SUPPORT	271,755	201,959	0	0	201,959	69,796	
1.3.028.04.080.04 - PUC:CMB CONTRACT 1300/CTS INSPECTION	115,000	53,104	0	2,669	55,773	59,227	
1.3.028.05.040.02 - PUC:CDD CONTRACT 1300/YBM SUPPORT	450,282	387,379	0	30,330	417,709	32,573	
1.3.028.05.080.04 - PUC:CMB CONTRACT 1300/YBM INSPECTION	184,000	97,135	0	458	97,592	86,408	
1.3.028.06.040.02 - PUC:CMB CONTRACT 1300/SFWD AWSS MATERIA	225,079	249,247	0	0	249,247	(24,168)	
1.3.028.07.040.02 - PUC:PUC CDD WATER CONNECTION CONTRACT I	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 I	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	635,506	0	(151,159)	484,348	35,729	
1.3.028.09.080.04 - PUC:CMB CONTRACT 1300/STS INSPECTION	207,000	287,489	0	(30,196)	257,294	(50,294)	
32 - DPW - IDC ENGINEERING (HYDRAULIC)	1,150,459	511,731	128,320	693	512,423	698,862	
1.3.032.01.080.04 - CM:DPW:1424J-BUREAU OF ENGINEERING (BOE) [	(285,405)	(285,405)	0	0	(285,405)	0.00	
1.3.032.03.080.04 - DPW IDC HYDRAULIC CN1300 UMS SUPPORT	297,938	109,349	36,437	0	109,349	188,589	
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	47,897	9,086	0	47,897	253,985	
1.3.032.06.080.04 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112B11	85,275	85,275	0	0	85,275	0.00	53
1.3.032.06.080.04-1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112C11	109,658	109,658	0	0	109,658	0.00	54
1.3.032.06.080.04 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112D11	15,791	15,791	0	0	15,791	0.00	55
1.3.032.06.080.04 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112E11	11,193	11,193	0	0	11,193	0	56
1.3.032.06.080.04 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112F11	107,798	107,798	0	0	107,798	0	57
1.3.032.06.080.04 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112G11	21,690	47,917	0	0	47,917	(26,227)	58
1.3.032.08.080.04 - DPW.HYRDDPW-BOE IDC ENG SVC DC	9,000	0	0	0	0	9,000	
1.3.032.09.080.04 - DPW IDC HYDRAULIC CN1300 STS SUPPOR	180,000	240,133	82,797	693	240,826	(60,826)	
34 - DPW - IDC CONSTRUCTION (CAPITAL)	6,703,969	6,345,071	0	0	6,345,071	358,898	
1.3.034.01.080.04 - DPW:BCM LABOR [2113]	2,140,142	2,140,142	0	0	2,140,142	0	
1.3.034.02.080.04 - DPW:CONSTR:1252 CM [CD12]	1,207,603	1,207,603	0	0	1,207,603	0	
1.3.034.02.080.04 - DPW:CONSTR:1252 CM [13AC12]	138,397	138,397	0	0	138,397	0	
1.3.034.06.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [	506,858	506,858	0	0	506,858	0	
1.3.034.06.080.04 - DPW:CONSTR:1300 CM [13CP12]	2,710,969	2,352,071	0	0	2,352,071	358,898	

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36 - DPW - BSM INFRASTRUCTURE (MAPPING)	465,562	158,741	0	0	158,741	306,821	
1.3.036.01.080.04 - DPW:MPPG:DPW-BUREAU OF ST USE	367,129	32,680	0	0	32,680	334,449	
1.3.036.02.080.04 - DPW:MPPG:1300-DPW-BUREAU OF ST USE [13CG12	50,000	33,084	0	0	33,084	16,916	
1.3.036.02.080.06 - DPW:MPPG:DPW-BUREAU OF ST USE [13CF]	48,433	92,977	0	0	92,977	(44,544)	
37 - DPW - PCS MATERIAL TESTING LABORATORY	83,100	0	0	0	0	83,100	
1.3.037.01.080.07 - DPW.MTL.LABDPW-MATERIAL TESTIN	83,100	0	0	0	0	83,100	
39 - DPW - PCS SITE ASSESSMENT & REMEDIATION (SAR)	613,853	438,455	0	0	438,455	175,398	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2	92,459	92,459	0	0	92,459	0	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2	78,400	78,400	0	0	78,400	0	
1.3.039.01.080.04 -DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2	151,515	151,515	0	0	151,515	0	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2	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) [C	31,367	31,367	0	0	31,367	0	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [C	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) -	18,632	16,880	0	0	16,880	1,753	
1.3.039.02.080.04 - DPW: SITE ASSESSMENT & REMEDIATION (SAR) -	41,379	24,761	0	0	24,761	16,618	
46 - MACY'S WEST - SFPUC SEWER WORK	258,202	258,202	0	0	258,202	0	
1.3.046.08.040.02 - MCY.SWRC. CONTRACT: MACY'S-SEW	258,202	258,202	0	0	258,202	0	
51 - 821 HOWARD STREET	770,843	632,765	0	(579)	632,186	138,657	
1.3.051.01.080.03 - ODC.HWRD:ODCs - 821 HOWARD STR	696,753	601,060	0	0	601,060	95,693	
1.3.051.02.080.04 - ODC.HWRD:ODCs - TUNNEL CONTRACT 1252	10,000	1,056	0	0	1,056	8,944	
1.3.051.06.080.04 - ODC.HWRD:ODCs - STATION CONTRACT 1300	55,000	19,148	0	0	19,148	35,852	
1.3.051.06.080.04 - ODC.HWRD:W/MTA INST WTR SVC @ STS&YBM T	9,090	11,502	0	(579)	10,923	(1,833)	
55 - 651 BRANNAN	10,348	10,348	0	0	10,348	0	
1.3.055.01.080.03 - CM:ODCs - 651 BRANNAN STREET	10,348	10,348	0	0	10,348	0	59
63 - CENTRAL SUBWAY PARTNERSHIP - AECOM-EPC JV CONTRAC	47,966,331	42,784,775	725,000	1,440,149	44,224,924	3,741,407	
1.3.063.01.080.03 - CM:PM:AECOM.CS149 OM-EPC JV CS149-PM	5,017,804	5,017,804	0	0	5,017,804	0	60
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3B]	1,969,213	1,969,213	0	0	1,969,213	(0)	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3E]	6,386,250	6,386,250	0	0	6,386,250	(0)	
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3E][PM]	1,596,563	1,596,563	0	0	1,596,563	0	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3F]	4,101,465	4,101,466	0	0	4,101,466	(0)	
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3F][PM]	1,025,366	1,025,366	0	0	1,025,366	0	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3G]	5,167,381	6,719,381	580,000	(1,552,000)	5,167,381	(0)	
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3G][PM]	1,291,845	1,679,845	145,000	(388,000)	1,291,845	(0)	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3H]	2,746,876	4,380,849	0	0	4,380,849	(1,633,973)	
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3H][PM]	1,095,212	1,095,212	0	0	1,095,212	(0)	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3i]	0	0	0	2,704,120	2,704,120	(2,704,120)	
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3i][PM]	1,400,000	0	0	676,030	676,030	723,970	

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1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9B]	11,042	11,042	0	0	11,042	0	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9D]	515,694	515,694	0	0	515,694	(0)	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9E]	523,943	523,943	0	0	523,943	0	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9F]	461,196	461,196	0	0	461,196	0	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9G]	501,912	501,912	0	0	501,912	0	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9H]	542,110	1,219,093	0	0	1,219,093	(676,983)	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9i]	1,000,000	0	0	0	0	1,000,000	
1.3.063.01.080.04 - FD:CM:EPC JV CS49-PM [123A]	489,930	5,579,945	0	0	5,579,945	(5,090,015)	
1.3.063.97.080.03 - AECOM.CS149 ALLOCAT CONTING	12,122,528					12,122,528	
64 - CN1300 JOB READINESS PROGRAM	1,060,000	706,770	0	0	706,770	353,230	61
1.3.064.06.040.08 - CN1300 JOB READINESS PROGRAM	1,060,000	706,770	0	0	706,770	353,230	
67 - HILL INTERNATIONAL CONTRACT 156	11,000,000	2,707,982	17,451	148,448	2,856,430	8,143,570	
1.3.067.01.080.03 - HILL.CS156:HILL INTL. CS-156 [1336]	920,426	920,426	0	0	920,426	0	
1.3.067.01.080.03 - HILL.CS156:HILL INTL. CS-156 [1337]	533,148	533,148	0	0	533,148	0	
1.3.067.01.080.03 - HILL.CS156:HILL INTL. [1330]	127,261	127,261	0	0	127,261	0	
1.3.067.01.080.03 - HILL INTERNATIONAL CS156 AWP 2016 [68CPT544]	8,852,240	883,631	0	0	883,631	7,968,609	
1.3.067.01.080.03 - HILL INTERNATIONAL CS156 AWP 2017 [68CPT544]	566,925	243,517	17,451	148,448	391,965	174,960	
69 - BAYLAND SOIL PROCESS CONTRACT 175	500,000	255,144	0	0	255,144	244,856	62
1.3.069.06.040.01 - BAYLAND.CS175:BAYLAND SOIL PROCESS [133K]	500,000	255,144	0	0	255,144	244,856	
71 - TUNNEL/UTILITIES - CONTRACT # CONTRACT 155-1	2,158,846	2,098,874	0	0	2,098,874	59,972	
1.3.071.01.080.04 - CM: CS155.1 DESIGN SUPPORT DURING CM [1232]	0	(87,201)	0	0	(87,201)	87,201	63
1.3.071.02.080.04 - CM: CS155.1 DESIGN SUPPORT DURING CM [1332]	2,158,846	2,186,076	0	0	2,186,076	(27,230)	
72 - STATIONS - CONTRACT # CONTRACT 155-2	9,612,416	14,007,496	188,143	1,362,254	15,369,750	(5,757,334)	
1.3.072.01.080.04 - CM: CS155.2 DESIGN SUPPORT DURING CM [1233]	51,351	52,577	0	0	52,577	(1,226)	64
1.3.072.01.080.04 - CM: CS155.2 DESIGN SUPPORT DURING CM [1333]	9,561,065	13,954,919	188,143	1,362,254	15,317,173	(5,756,108)	
73 - SYSTEMS/INTEGRATION - CONTRACT 155-3	4,828,269	3,281,310	67,350	524,214	3,805,524	1,022,745	
1.3.073.01.080.04 - CM: CS155.3 DESIGN SUPPORT DURING CM [1236]	90,000	89,791	0	0	89,791	209	
1.3.073.01.080.04 - CM: CS155.3 DESIGN SUPPORT DURING CM [1334]	4,738,269	3,191,519	67,350	524,214	3,715,733	1,022,536	
81 - UTILITIES RELOCATION #1 (PORTAL & MOS) - CONTRACT 1250	11,968,150	11,968,150	0	0	11,968,150	0	
1.3.081.07.040.01 - UR1.CONTRACT 1250:SITWORK: DEMOLIT	167,458	167,458	0	0	167,458	0	
1.3.081.07.040.02 - UR1.CONTRACT 1250:SITWORK: UTILITI	10,099,341	10,099,341	0	0	10,099,341	0	
1.3.081.07.040.03 - UR1.CONTRACT 1250:SITWORK:HAZMAT	453,321	453,321	0	0	453,321	0	
1.3.081.07.040.08 - UR1.CONTRACT 1250:SITWORK:TEMPORAR	1,248,030	1,248,030	0	0	1,248,030	0	
82 - UTILITIES RELOCATION #2 (UMS) - CONTRACT 1251	20,669,081	20,669,081	0	0	20,669,081	(0)	65
1.3.082.08.040.01 - UR2.CONTRACT 1251:SITWORK: DEMOLIT	752,240	752,240	0	0	752,240	0	
1.3.082.08.040.02 - UR2.CONTRACT 1251:SITWORK:UTILITI	10,202,543	10,202,543	0	0	10,202,543	(0)	
1.3.082.08.040.03 - UR2.CONTRACT 1251:SITWORK:HAZMAT	172,712	172,712	0	0	172,712	0	
1.3.082.08.040.05 - UR2.CONTRACT 1251:SITWORK: STRUCTU	2,706,431	2,706,431	0	0	2,706,431	0	
1.3.082.08.040.06 - UR2.CONTRACT 1251:SITWORK:PEDESTRA	319,317	319,317	0	0	319,317	0	



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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	
<b>GUIDEWAY TUNNELS TOTAL</b>	<b>235,913,500</b>	<b>233,589,322</b>	<b>0</b>	<b>0</b>	<b>233,589,322</b>	<b>2,324,178</b>	
83 - GUIDEWAY TUNNELS - CONTRACT # 1252 BASE	233,584,015	231,914,862	0	0	231,914,862	1,669,153	66
1.3.083.02.010.06 - CONTRACT 1252:GUIDEWAY:UNDERGRN'D CUT	60,446,425	60,446,425	0	0	60,446,425	0	
1.3.083.02.010.07 - CONTRACT 1252:GUIDEWAY:UNDERGROUND	105,423,090	105,181,925	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	1,363,054	1,674,460	0	0	1,674,460	(311,406)	67
1.3.083.83.010.06 - CONTRACT 1252: CONTRACT MOD	112,251	112,251	0	0	112,251	0	
1.3.083.83.010.07 - CONTRACT 1252: CONTRACT MOD	1,810,094	1,670,233	0	0	1,670,233	139,861	
1.3.083.83.020.03 - CONTRACT 1252: CONTRACT MOD	1,004,156	1,004,156	0	0	1,004,156	0	
1.3.083.83.040.02 - CONTRACT 1252: CONTRACT MOD	1,035,588	935,588	0	0	935,588	100,000	
1.3.083.83.040.03 - CONTRACT 1252: CONTRACT MOD	453,475	453,475	0	0	453,475	0	
1.3.083.83.040.08 - CONTRACT 1252: CONTRACT MOD	(3,052,510)	(2,501,244)	0	0	(2,501,244)	(551,266)	
1.3.083.93.010.07 - CONTRACT 1252: TUNNEL. ALLOC CONTING	966,431	0	0	0	0	966,431	68
<b>CONTRACT 1300 - STATIONS, TRACKWORK AND SYSTEMS TOTAL</b>	<b>879,676,400</b>	<b>621,714,065</b>	<b>4,743,724</b>	<b>11,728,456</b>	<b>633,442,521</b>	<b>246,233,879</b>	<b>69</b>
84 - UNION SQUARE/MARKET STREET STATION (UMS) - WORK PAC	294,030,590	236,131,334	1,635,525	1,906,939	238,038,273	55,992,317	21
1.3.084.03.020.03 - UMS.1253: UNDERGROUD STATION	253,081,452	206,639,238	1,236,983	1,502,062	208,141,300	44,940,152	
1.3.084.03.020.07 - UMS.1253: ELEVATORS ESCALATOR	9,465,694	3,529,388	0	181,174	3,710,562	5,755,132	
1.3.084.03.040.01 - UMS.1253: DEMOLITION CLEARING	6,071,588	6,054,088	0	0	6,054,088	17,500	
1.3.084.03.040.02 - UMS.1253: SITE UTILITIES UTIL	4,360,395	3,692,762	37,500	37,500	3,730,262	630,133	
1.3.084.03.040.03 - UMS.1253: HAZARDOUS MATERIALS	550,000	34,610	0	0	34,610	515,390	
1.3.084.03.040.04 - UMS.1253: ENVIRONMENTAL MITIGA	244,500	194,500	0	0	194,500	50,000	
1.3.084.03.040.06 - UMS.1253: PEDESTRIAN/BIKE	18,969	15,501	0	0	15,501	3,468	
1.3.084.03.040.07 - UMS.1253: AUTOMOBILE BUS ACCE	1,158,410	549,951	0	0	549,951	608,459	
1.3.084.03.040.08 - UMS.1253: TEMPORARY FACILITIES	11,139,701	10,279,300	345,439	0	10,279,300	860,401	
1.3.084.03.050.02 - UMS.1253: TRAFFIC SIGNALS AND	4,773,076	4,711,076	0	10,000	4,721,076	52,000	
1.3.084.03.050.03 - UMS.1253: TRACTION POWER SUPPL	1,815,534	236,204	0	175,703	411,907	1,403,627	
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	127,538	15,603	500	128,038	1,006,276	
84 - UNION SQUARE/MARKET STREET STATION (UMS) CMODs	2,748,442	2,626,091	0	14,639	2,640,730	107,712	
1.3.084.84.020.03 - CMOD:UMS.1253: UNDERGROUD STATION	60,746	21,258	0	14,639	35,897	24,849	

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	[B] August 2018 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total		
1.3.084.84.020.07 - CMOD:UMS.1253: ELEVATORS, ESCALATORS	90,000	90,000	0	0	90,000	0	
1.3.084.84.040.01 - CMOD:UMS.1253: DEMOLITION CLEARING	944,987	944,987	0	0	944,987	0	
1.3.084.84.040.02 - CMOD:UMS.1253: SITE UTILITIES UTIL	1,494,678	1,411,815	0	0	1,411,815	82,863	
1.3.084.84.040.03 - CMOD:UMS.1253: HAZARDOUS MATERIALS	81,907	81,907	0	0	81,907	0	
1.3.084.84.040.08 - CMOD:UMS.1253: TEMPORARY FACILITIES	76,124	76,124	0	0	76,124	0	
1.3.084.94.020.03 - UMS.1253: AC: ALLOC CONTING	17,251,558	0	0	0	0	17,251,558	41
<b>85 - CHINATOWN STATION (CTS) - WORK PACKAGE 1254</b>	<b>247,567,810</b>	<b>178,417,412</b>	<b>1,465,441</b>	<b>1,569,873</b>	<b>179,987,285</b>	<b>67,580,525</b>	
1.3.085.04.010.07 - CTS.1254: GUIDEWAY: UNDERGROUND TUNNEL	76,417,579	76,417,579	0	0	76,417,579	0	
1.3.085.04.020.03 - CTS.1254: UNDERGROUND STATION	133,001,053	73,904,452	1,464,941	1,264,282	75,168,734	57,832,319	
1.3.085.04.020.07 - CTS.1254: ELEVATORS ESCALATOR	6,812,856	1,859,832	0	258,841	2,118,673	4,694,183	
1.3.085.04.040.01 - CTS.1254: DEMOLITION CLEARING	400,000	400,000	0	0	400,000	0	
1.3.085.04.040.02 - CTS.1254: SITE UTILITIES UTIL	6,001,718	4,933,586	0	0	4,933,586	1,068,132	
1.3.085.04.040.03 - CTS.1254: HAZARDOUS MATERIALS	350,000	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	29,500	0	0	29,500	196,177	
1.3.085.04.040.08 - CTS.1254: TEMPORARY FACILITIES	16,571,322	16,205,272	0	10,000	16,215,272	356,050	
1.3.085.04.050.02 - CTS.1254: TRAFFIC SIGNALS AND	1,599,593	1,301,417	0	10,000	1,311,417	288,176	
1.3.085.04.050.03 - CTS.1254: TRACTION POWER SUPPL	4,063,927	2,823,493	0	18,750	2,842,243	1,221,684	
1.3.085.04.050.04 - CTS.1254: TRACTION POWER DISTRIBUTION	124,481	81,940	0	0	81,940	42,541	
1.3.085.04.050.05 - CTS.1254: COMMUNICATIONS	1,658,938	241,776	500	8,000	249,776	1,409,162	
<b>85 - CHINATOWN STATION (CTS) CMODs</b>	<b>2,964,460</b>	<b>2,855,367</b>	<b>0</b>	<b>3,596,000</b>	<b>6,451,367</b>	<b>(3,486,906)</b>	<b>71</b>
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	375,225	0	3,596,000	3,971,225	(3,569,653)	
1.3.085.85.040.03 - CMOD:CTS.1254: HAZARDOUS MATERIALS	2,274,225	2,274,223	0	0	2,274,223	3	
1.3.085.85.040.08 - CMOD:CTS.1254: TEMPORARY FACILITIES	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	72
<b>86 - YERBA BUENA MOSCONE STATION (YBM) - WORK PACKAGE</b>	<b>158,089,000</b>	<b>125,622,712</b>	<b>454,368</b>	<b>3,566,826</b>	<b>129,189,538</b>	<b>28,899,462</b>	
1.3.086.05.020.03 - YBM.1255: UNDERGROUND STATION	118,405,840	95,581,455	320,150	2,660,221	98,241,676	20,164,164	
1.3.086.05.020.07 - YBM.1255: ELEVATORS ESCALATOR	5,333,287	3,261,930	0	550,282	3,812,212	1,521,075	
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	6,926,777	73,142	103,469	7,030,246	133,032	
1.3.086.05.040.03 - YBM.1255: HAZARDOUS MATERIALS	2,629,439	1,996,849	0	95,217	2,092,066	537,373	73
1.3.086.05.040.04 - YBM.1255: ENVIRONMENTAL MITIGA	100,000	0	0	40,268	40,268	59,732	
1.3.086.05.040.06 - YBM.1255: PEDESTRIAN/BIKE	16,665	1	0	0	1	16,664	
1.3.086.05.040.07 - YBM.1255: AUTOMOBILE BUS ACCE	1,542,725	1,233,045	0	2,478	1,235,523	307,202	
1.3.086.05.040.08 - YBM.1255: TEMPORARY FACILITIES	15,564,753	12,898,149	34,076	114,891	13,013,040	2,551,713	
1.3.086.05.050.02 - YBM.1255: TRAFFIC SIGNALS AND	1,726,492	1,723,992	0	0	1,723,992	2,500	

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1.3.086.05.050.03 - YBM.1255: TRACTION POWER SUPPL	3,708,425	837,800	0	0	837,800	2,870,625	
1.3.086.05.050.05 - YBM.1255: COMMUNICATIONS	1,241,096	505,714	27,000	0	505,714	735,382	
86 - YERBA BUENA MOSCONE STATION (YBM) CMODs	577,424	85,540	277,210	0	85,540	491,884	
1.3.086.86.020.03 - CMOD:YBM.1255: UNDERGROUND STATION	(1,843,480)	(1,843,480)	0	410,994	(1,432,486)	(410,994)	
1.3.086.86.040.01 - CMOD:YBM.1255: DEMOLITION CLEARING	293,656	286,656	27,270	(27,270)	259,386	34,270	73
1.3.086.86.040.02 - CMOD:YBM.1255: SITE UTILITIES UTIL	1,833,122	1,383,727	248,043	(381,827)	1,001,900	831,222	
1.3.086.86.040.03 - CMOD:YBM.1255: HAZARDOUS MATERIALS	150,828	150,828	0	0	150,828	0	
1.3.086.86.040.04 - CMOD:YBM.1255: ENVIRONMENTAL MITIGA	102,734	102,734	0	0	102,734	0	
1.3.086.86.040.05 - CMOD:YBM.1255: SITE STRUCTURES INCLUDING V	1,897	1,897	1,897	(1,897)	0	1,897	
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	4,422,577	0	0	0	0	4,422,577	74
87 - SURFACE TRACKWORK AND SYSTEMS -WORK PACKAGE 1256	139,989,000	73,733,858	801,180	1,074,179	74,808,037	65,180,963	
1.3.087.09.010.02 - STS.1256: GUIDEWAY: AT-GRADE SEMI-EXCLUSIV	2,860,000	1,937,500	0	0	1,937,500	922,500	
1.3.087.09.010.06 - STS.1256: GUIDEWAY: UNDERGROUND CUT & CVI	9,257,731	3,104,616	0	0	3,104,616	6,153,115	
1.3.087.09.010.07 - STS.1256: GUIDEWAY: UNDERGROUN	16,723,552	10,499,051	3,645	208,333	10,707,384	6,016,168	
1.3.087.09.010.09 - STS.1256: TRACK DIRECT FIXATION	6,761,089	5,797,916	0	0	5,797,916	963,174	
1.3.087.09.010.12 - STS.1256: TRACK: SPECIAL	4,449,637	3,599,000	0	0	3,599,000	850,637	
1.3.087.09.020.01 - STS.1256: AT-GRADE STATION	7,602,857	3,153,932	319,820	98,861	3,252,793	4,350,064	
1.3.087.09.040.02 - STS.1256: SITE UTILITIES, UTILITY RELOCA	17,464,046	14,223,551	108,839	40,828	14,264,379	3,199,667	
1.3.087.09.040.03 - STS.1256: HAZARDOUS MATERIALS	200,000	150,000	150,000	0	150,000	50,000	73
1.3.087.09.040.04 - STS.1256: ENVIRONMENTAL MITIGATION	50,000	49,000	49,000	0	49,000	1,000	73
1.3.087.09.040.07 - STS.1256: AUTOMOBILE BUS ACCE	2,116,925	1,765,674	0	0	1,765,674	351,251	
1.3.087.09.040.08 - STS.1256: TEMPORARY FACILITIES	13,896,832	11,624,555	0	2,100	11,626,655	2,270,176	
1.3.087.09.050.01 - STS.1256: TRAIN CONTROL AND SIGNALS	27,543,451	7,569,133	0	0	7,569,133	19,974,318	
1.3.087.09.050.02 - STS.1256: TRAFFIC SIGNALS AND	4,463,368	3,533,092	113,830	41,864	3,574,956	888,412	
1.3.087.09.050.03 - STS.1256: TRACTION POWER SUPPL	9,889,014	4,104,195	0	342,870	4,447,065	5,441,949	
1.3.087.09.050.04 - STS.1256: TRACTION POWER DISTRIBUTION	6,099,675	1,496,342	56,046	89,903	1,586,245	4,513,430	
1.3.087.09.050.05 - STS.1256: COMMUNICATIONS	7,996,237	1,036,300	0	0	1,036,300	6,959,937	
1.3.087.09.050.07 - STS.1256: CENTRAL CONTROL	2,614,586	90,001	0	249,420	339,421	2,275,165	
87 - SURFACE TRACKWORK AND SYSTEMS (STS) CMODs	2,700,918	2,241,751	110,000	0	2,241,751	459,167	
1.3.087.89.040.02 - CMOD:STS.1256: SITE UTILITIES, UTILITY RELOCA	1,290,207	1,127,535	0	0	1,127,535	162,672	
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	875,997	110,000	0	875,997	177,550	
1.3.087.89.050.01 - CMOD:STS.1256: TRAIN CONTROL	96,516	0	0	0	0	96,516	
1.3.087.89.050.02 - CMOD:STS.1256: TRAFFIC SIGNALS AND	242,427	220,000	0	0	220,000	22,427	
1.3.087.99.020.01 - STS.1256: AC: ALLOC CONTING	2,299,081	0	0	0	0	2,299,081	75
88 - STATIONS CONTRACT 1300	2,263,498	0	0	0	0	2,263,498	
1.3.088.06.080.04 - CN1300 CONSTRUCTION TRAILER [68CPT5441316.0	80,000	0	0	0	0	80,000	

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1.3.088.06.080.04 - DT-CN1300 COMMUNICATIONS INSTALL [68CPT54	1,430,594	0	0	0	0	1,430,594	
1.3.088.06.080.04 - MTA Communications - Business Liaison to support CN1	420,000	0	0	0	0	420,000	
1.3.088.06.080.04 - IT-CN1300 Installation [68CPT5441319.CPT5441319]	332,904	0	0	0	0	332,904	
141 - CONSTRUCTION ADMINISTRATION	2,956,812	0	0	0	0	2,956,812	
1.3.141.97.080.04 - CONSTR.ADMIN:ALLOC CONTING	2,956,812	0	0	0	0	2,956,812	
142 - LEGAL/PERMITS	2,014,204	0	0	0	0	2,014,204	
1.3.142.01.080.06 - LGL.PRMTSF:LEGAL; PERMITS	2,014,204	0	0	0	0	2,014,204	
144 - STARTUP	8,300,329	0	0	0	0	8,300,329	
1.3.144.01.080.08 - STRT: STARTUP	6,941,907	0	0	0	0	6,941,907	
1.3.144.97.080.08 - STRTA: AC STARTUP ALLOC CONTIN	1,358,422	0	0	0	0	1,358,422	
151 - TEMPORARY LICENSE AGREEMENT	17,000	0	0	0	0	17,000	
1.3.151.01.080.06 - TEMP.LICPORARY LICENSE AGREEME	17,000	0	0	0	0	17,000	
170 - COMMUNICATIONS CONNECTIONS	5,757,629	0	0	0	0	5,757,629	
1.3.170.01.050.04 - COMM.CONNN:COMMUNICATION CONN	5,757,629	0	0	0	0	5,757,629	
181 - AON RISK INSURANCE CS 163	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	152,852	0	0	152,852	5,247,148	
1.3.191.01.050.06 - FARE.CONSUM:FARE COLLECTION	5,400,000	152,852	0	0	152,852	5,247,148	
192 - THALES T&S CENTRAL CONTROL	487,972	50,000	0	0	50,000	437,972	
1.3.192.01.050.01 - THALES T&S ATCS	487,972	50,000	0	0	50,000	437,972	
202 - JOC2-022.0	63,938	0	0	0	0	63,938	
1.3.202.01.040.02 - JOC2-022:15&22 POTHOLING 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	471,063	0	0	471,063	480,293	
1.3.331.01.080.04 - CM:SFMTA LABOR-ENG SVCS-IRP/BART/SF	50,000	33,152	0	0	33,152	16,848	
1.3.331.01.080.06 - CM: BAY AREA RAPID TRANSIT (BART) [122A]	901,356	437,911	0	0	437,911	463,445	
333 - AMERICAN PUBLIC TRANSP. ASSOCIATION (APTA) CS-APTA	146,500	62,112	0	0	62,112	84,388	
1.3.333.01.080.03 - APTA:APTA - IRP [2G]	46,500	31,054	0	0	31,054	15,446	



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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	13,000	250,534	(8,163)	
1.3.402.07.050.04 - DT:1UTL:COMM. CONNECTIONS	166,756	166,179	0	13,000	179,179	(12,423)	
1.3.402.08.050.04 - DT:2UTL:COMM.CONNECTIONS	75,615	71,354	0	0	71,354	4,261	
404 - DEPARTMENT OF BUILDING INSPECTION (DBI)	1,204,081	1,204,081	0	0	1,204,081	0	
1.3.404.01.080.06 - DPT OF BUILDING INSPECTION	1,204,081	1,204,081	0	0	1,204,081	0	
491 - FORM B - REIMBURSEMENT	(12,227,954)	0	0	0	0	(12,227,954)	
1.3.491.02.040.02 - FORMB - CONTRACT 1252 UTILITY REIMBUR	(254,050)	0			0	(254,050)	76
1.3.491.03.040.02 - FORMB - UMS:CONTRACT 1300 UTILITY REIMBUR	(528,370)	0			0	(528,370)	77
1.3.491.04.040.02 - FORMB - CTS:CONTRACT 1300 UTILITY REIMBURS	(451,703)	0			0	(451,703)	78
1.3.491.05.040.02 - FORMB - YBM:CONTRACT 1300 UTILITY REIMBUR	(100,000)	0			0	(100,000)	79
1.3.491.06.040.02 - FORMB - CONTRACT 1300 UTILITY REIMBUR	0	0			0	0	80
1.3.491.07.040.02 - FORMB - CONTRACT 1250 UTILITY REIMBUR	(2,275,419)	0			0	(2,275,419)	81
1.3.491.08.040.02 - FORMB - CONTRACT 1251 UTILITY REIMBUR	(7,618,412)	0			0	(7,618,412)	82
1.3.491.09.040.02 - FORMB - STS:CONTRACT 1300 UTILITY REIMBURS	(1,000,000)	0			0	(1,000,000)	83
<b>TOTAL CONSTRUCTION PHASE</b>	<b>1,351,413,476</b>	<b>1,029,338,169</b>	<b>6,155,215</b>	<b>18,017,606</b>	<b>1,047,355,775</b>	<b>302,173,525</b>	
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	9,781,465	1,330,901	(1)	9,781,465	1,350,404	
1.4.091.97.070.01 - LRVA:AC: VEHICLES ALLOC CONTI	13,076,653					13,076,653	26
<b>TOTAL VEHICLES</b>	<b>26,385,654</b>	<b>11,929,247</b>	<b>1,330,901</b>	<b>(1)</b>	<b>11,929,247</b>	<b>14,456,407</b>	
1.5.015.01.060.01 - RE: EASEMENT ACQUISIT	400,000	322,939	0	0	322,939	77,061	
1.5.015.01.060.01 - RE: REAL EST SITE ACQ	15,955,138	14,224,616	0	0	14,224,616	1,730,522	
1.5.015.01.060.01 - RE: REAL ESTATE	766,272	766,272	0	0	766,272	0	
1.5.015.01.060.01 - RE: REC & PARK MOU	6,987,624	6,987,624	0	0	6,987,624	0	
1.5.015.01.060.01 - RE:-DEPT OF TRANSPOR	2,686,000	2,686,000	0	0	2,686,000	0	
1.5.015.01.060.01 - RE:-LICENSES FEES	400,000	381,311	0	0	381,311	18,689	
1.5.023.01.060.01 - ATTY:REAL ES	2,764,872	2,764,872	0	0	2,764,872	0	
1.5.101.01.060.02 - RES.RELO: RELOCATION COST	1,275,200	1,289,701	0	0	1,289,701	(14,501)	
1.5.102.01.060.02 - COMM.RELO-RELOC COMMERCIAL	905,311	1,119,729	0	0	1,119,729	(214,418)	
<b>TOTAL ROW, LAND, EXISTING IMPROVEMENTS</b>	<b>32,140,418</b>	<b>30,543,065</b>	<b>0</b>	<b>0</b>	<b>30,543,065</b>	<b>1,597,353</b>	
<b>90 - CONTINGENCY</b>	<b>67,455,885</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>67,455,885</b>	
1.7.500.91.090.00 - UNALLOCATED CONTINGENCY	6,742,405					6,742,405	84

[A] Cost Account Description	BUDGET	ACTUAL COSTS					
	[B] August 2018 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	60,713,480					60,713,480	
<b>TOTAL PROJECT COST</b>	<b>1,578,300,000</b>	<b>1,232,288,343</b>	<b>7,486,116</b>	<b>18,017,606</b>	<b>1,250,305,949</b>	<b>326,109,875</b>	

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

7.4 Contingency Management Trend Report	
18	In Oct 2014 Report, updated Contract 1250 contract cost to segregate contract amount and contract modification amount. Note that September 2013 Supplemental Authorized Contingency "column f" did not include completed contract.
19	In Oct 2014 Report, updated Contract 1251 contract cost to segregate contract amount and contract modification amount. Note that September 2013 Supplemental Authorized Contingency "column f" did not include completed contract.
20	Contract 1252 Original Contract Value "column a" and Original Contingency "column f" did not match September 2013 Supplemental due to Supplemental were used the revised value to reflect Contract Modifications #3-#18. Reduced Contract 1252 contingency to reflect CMod #20 for retrieval shaft relocation cost \$5.15M funded by CPT690, CMod #40 for Culvert, Street & Sidewalk Restoration cost \$694,651 funded by Traffic Effectiveness Project (TEP), and CMod #41 for install 24" Water Main in North Beach cost \$328,860 funded by SFPUC. In August 2015 report, release \$15M CN1252 Tunnel assigned contingency to program unallocated contingency. In March 2106 report, reduced Contract 1252 contingency by \$377,435 cost to reflect certification of five CMODS. CMod#49, #52 and #53 total \$221,967 are funded by CPS. CMod#51 Support for North Beach Restoration, OCS and Streetlighting cost of \$155,468 is being funded by TEP. Released \$155,468 CN1252 allocated contingency to program's unallocated contingency. In May 2016 report, reduced Contract 1252 contingency by \$185,913 cost to reflect certification of two CMODS. In July 2016 report, increased Contract 1252 contingency by \$15,259 cost to reflect certification of one CMOD. In October 2016 report, increased Contract 1252 contingency by \$319,658 to reflect certification of three credit CMODs. In March 2018 report, increased Contract 1252 contingency by \$131,715 cost to reflect certification of two CMODS.
21	BART Elevator scope and SFPUC Sewer Main scope is in Contract 1300; effort will be funded by BART. In January 2015 Report, corrected Station Contract value to match awarded amount.
22	In March 2016 Report, lowered Contract 1300 Stations CTS contingency by \$75,000 because Contract Modification #6 was funded by Project CPT718. In Nov 2016 report, reversed moving contingency.
23	In December 2017 Report, \$1,060,000 Job Readiness Budget is shown as an approved change in Column "b".
24	In December 2017 Report, there is a change in Column "f" and Column "h" to reflect reporting to include CN1250 and CN1251. Prior to this, Column "f" and Column "h" reporting excluded CN1250 and CN1251.
25	In April 2015 report, real estate budget stated in RAMP Rev5 is \$36.7M, including \$1M contingency. The cost workbook ROW & contingency budget reflects this with \$36,511,799 and \$1,000,000 respectively. Revised cost book ROW budget & contingency to be \$37,511,799. The \$4,265,478 Caltrans lease savings is allocated to ROW allocated contingency. In February 2017, released \$5,265,478 from completed phase Real Estate assigned contingency to program unallocated contingency.
26	In Dec 2014 Report, redistributed LRV budget to reflect recent firm bid cost per vehicle (\$3,327,250/unit) from vehicle procurement contract award. (SFMTA Board meeting 15JUL14, calendar item #11). Vehicle line item total budget remains unchanged, redistributed fund by reducing base amount to \$13,309,000, column "c" and increased allocated contingency column "h", by same amount.
26a	In July 2018 Report, increased SCC 80 Professional Services category budget by \$2,263,498 due to additional costs related to CN1300 stations; cost was transferred from program unallocated contingency.



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27	In Oct 2014 Report, made two corrections: i) revised Professional Services, Original Contract Value "column a" from \$310,518,041 to \$310,618,041, ii) revised Original Cogency. "column f" unallocated contingency from \$3,883,481 to \$3,845,945. In April 2015 report, used \$500K program contingency for CS-175 Bayland Soil Process contract. In August 2015 Report, added \$15M from Contract 1252. In March 2016 Report, the \$155,468 costs funded by other project offset credits added to program's unallocated contingency. In August 2016 Report, used \$15M to UMS contingency and \$5M to CTS contingency. In February 2017, increased \$5,265,478 from real estate contingency to program unallocated contingency and used \$1M for CN1300 Job Readiness Program contract. In July 2018 report, used \$2,263,498 to increase SCC 80 Professional Services category regarding matters related to stations from program unallocated contingency.
28	The total Central Subway Project budget of \$1.578 billion, based on the October 2012 FFGA with the FTA, is the primary MPR report reference.
29	Estimate at Completion is shown at Column "e".
30	Estimate at Completion vs. Budget variance is shown at Column "k".
<b>7.5 Contract Modification/Trend Log - Contract 1300 Stations</b>	
31	Reported all trend cost for Contractor Change Order Requests and Proposed Contract Change and applied probability to forecasted trends. In April 2016 Report, reviewed probability formula and adjusted cost. In May 2017, updated probability formula and adjusted cost.
<b>7.6 Budget Revisions: Report Sorted by Construction Packages</b>	
32	In Dec 2014 Report, reduced CN1252 allocated contingency by \$28K to execute Contract Modification #46, see Report 7.5 Detail Contingency Usage Report. In August 2015 report, release \$15M CN1252 Tunnel assigned contingency to program unallocated contingency. In March 2016 report, five contract modifications certified totaling \$377,435 of which \$155,468 is using another source of funding. Released \$155,648 from CN1252 Tunnel assigned contingency to program unallocated contingency. In May 2016 Report, reduced CN1252 allocated contingency by \$186K to execute Contract Modification #54 and #55, see Report 7.5 Detail Contingency Usage Report. In October 2016 Report, increased CN1252 allocated contingency by \$319,658 to execute three contract modifications (#57, #58 and #59), see Report 7.5 Detail Contingency Usage Report. In March 2018 Report, increased CN1252 allocated contingency by \$131,715 to execute two contract modifications (#61 and #62), see Report 7.5 Detail Contingency Usage Report.
33	In February 2017 report, initiated budget from program unallocated contingencies for CN1300 Job Readiness Program. CN1300 Job Readiness Program budget was part of CN1300 base value, a deduction contract modification will lower CN1300 contract value.
34	In April 2015, initiated budget from program unallocated contingencies for CS-175 Bayland Soil Process contract, refer to Note 20.
35	In February 2017, released completed phase real estate assigned contingency \$5,265,478 to program unallocated contingency.

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36	In Dec 2014 Report, redistributed LRV budget to reflect recent firm bid cost per vehicle (\$3,327,250/unit) from vehicle procurement contract award. (SFMTA Board meeting 15JUL14, calendar item #11). Vehicle line item total budget remains unchanged, redistributed fund by reducing base amount to \$13,309,000 and increased allocated contingency by same amount.
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37	<p>In October 2016 report, 1252 program contingency increased by \$319,658 due to execution of three contract modifications as credit offsets. In November 2016 report, took away \$75,000 funding from program's unallocated contingency and moved to CTS allocated contingency. In February 2017 report, initiated budget from program unallocated contingencies for CN1300 Job Readiness Program. CN1300 Job Readiness Program budget was part of CN1300 base value, a deduction contract modification will lower CN1300 contract value. Also released \$5,265,478 assigned real estate contingency to program unallocated contingency. In June 2017, initiated budget from Contract 1251's contract value (true final administrative close out cost) to program unallocated contingency, a deduction contract modification that lowered CN1251's contract value by \$125,501. In March 2018 report, 1252 program contingency increased by \$131,715 due to execution of two contract modifications as credit offsets. In July 2018, increased SCC category Professional Services in 80.04 Construction Management by \$2,263,498 by reducing program unallocated contingency.</p>
38	<p>In April 2015 report, program contingency decreased by \$500,000. In August 2015 report, release \$15M CN1252 Tunnel assigned contingency to program unallocated contingency. In March 2016 report, released \$155,468 from Contract 1252 Tunnel assigned contingency and \$75,000 from Contract 1300 Stations assigned contingency totaling \$230,956. In August 2016, released a total of \$20M unassigned contingency to assigned contingency; \$15M to CN1300 UMS station and \$5M to CTS station. In February 2017 report, initiated budget from program unallocated contingencies for CN1300 Job Readiness Program. CN1300 Job Readiness Program budget was part of CN1300 base value, a deduction contract modification will lower CN1300 contract value. Also released \$5,265,478 assigned real estate contingency to program unallocated contingency. In July 2017, increased program unallocated contingency by \$125,501 due to CN1251's revised contract value. In July 2018, reduced program unallocated contingency by \$2,263,498 to fund additional costs for SCC category Professional Services in 80.04 Construction Management.</p>
<b>7.7 Budget Expenditures by SCC Codes</b>	
39	<p>In March 2017, added new columns for "Supplemental 2013 Budget" and "Remaining Budget". In April, added new column for "Contingency". In May 2017, added new column for "Report Note". In May 2017, breakdown the combined SCC codes 10 to 50 into individual row for 10, 20, 40, 50 categories. Assigned SCC code to all CN1300 potential changes. Contract 1300 Station assigned contingency SCC are 20.01 and 20.03. The budget transfer is using assigned contingency to process contract modifications. In June 2017, adjusted and realigned SCC codes. In July 2018, the budget transfer is using SCC 90 program unallocated contingency to process an increase in budget for category SCC 80.03-90.04 PM For Design &amp; Construction.</p>
<b>7.9 Detail Monthly Expenditure Report</b>	
<b>Phase 1 Preliminary Engineering</b>	
40	<p><b>In February 2017, line item budget was adjusted to line-up expenditures.</b> Famis cost for Preliminary Engineering (PE) is \$48,210,903.71. Cost Report for Preliminary Engineering (PE) is \$46,542,060. Some Design cost reported in Famis were moved to Design Phase.</p>
<b>Phase 2 Design Phase</b>	
41	<p>Famis cost adjustment to transfer Project Management cost from July 2013 to Phase 3 Construction Phase.</p>

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42	Famis Phase 1 PE Index Code: 357906.CPT5441112 cost is \$10,222,939 \$8,949,300 is reported in Cost Report Phase 1 PE and the balance of \$1,273,639 is reported in Phase 2 Design.
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43	1.2.021.01.080.03 - FD:CTYCO-ARTS COMMISSION [357909ART001.CPT5441227]: FAMIS: \$1,425,167 Cost Report: \$1,425,167 cost is reported in Phase 2 Design, 1.2.021.01.080.03 Cost Transfer: Remaining cost is reported in Phase 3 Construction, 1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [357909ART001.CPT5441227]
44	In December 2016 Report, Central Subway Project has re-activated CSA Audit Work Order to perform overhead audit for three consultant forms.
45	1.2.055.01.080.02 - FD:ODCs - 651 BRANNAN STREET [35CPT5441241.CPT5441241]: FAMIS: \$2,294,910 Cost Report: \$2,294,910 1.2.055.01.080.02 Cost Transfer: Future costs to be allocated to 1.3.055.01.080.02 - FD:ODCs - 651 BRANNAN STREET [35CPT5441241.CPT5441241]
46	1.2.063.01.080.03 - AECOM.CS149 OM-EPC JV CS149-PM [68CPT544133D.CPT544133D]: FAMIS: \$4,698,167 Cost Report: \$4,698,167 on 1.2.063.01.080.03 Cost Transfer: Future costs to 1.3.063.01.080.03 - AECOM.CS149 OM-EPC JV CS149-PM [68CPT544133D.CPT544133D]
47	AVA Cost \$395,204 is reported in Phase 2 Final Design 1.2.066.01.080.03
48	In January 2017 Report, remove variance amount of (\$920,555) that was incorrectly reported in August 2016.
49	1.2.071.01.080.02 - FD:FINAL DESIGN-DP1 [35CPT5441232.CPT5441232]: FAMIS: \$5,608,147 Cost Report: \$5,469,336 Cost Transfer: \$138,811 to 1.3.071.01.080.04 - FD:FINAL DESIGN-DP1 [35CPT5441232.CPT5441232]
50	1.2.072.01.080.02 - FD:FINAL DESIGN-DP2 [35CPT5441233.CPT5441233]: FAMIS: \$26,268,511 COST REPORT: \$26,220,609 COST TRANSFER: \$47,902 to 1.3.072.01.080.04 - FD:FINAL DESIGN-DP2 [35CPT5441233.CPT5441233]
51	1.2.073.01.080.02 - FD:FINAL DESIGN-DP3 [35CPT5441236.CPT5441236]: FAMIS: \$11,502,372 COST REPORT: \$11,432,312 COST TRANSFER: \$70,060 to 1.3.073.01.080.04 - CM: DP3 [35CPT5441236.CPT5441236]
<b>Phase 3 Construction Phase</b>	
52	1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [357909ART001.CPT5441227]: FAMIS: \$1,525,982 Cost Report: \$1,425,167 1.2.021.01.080.03 Cost Transfer: any future costs to 1.3.021.01.080.03

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53	In January 2017 Report, revised SCC Code from 1.2.032.02.080.02 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112B112] to 1.3.032.06.080.04 to correct incorrect SCC assignment for DPW support to construction phase.
54	In January 2017 Report, revised SCC Code from 1.2.032.02.080.02 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112C112] to 1.3.032.06.080.04 to correct incorrect SCC assignment for DPW support to construction phase.
55	In January 2017 Report, revised SCC Code from 1.2.032.02.080.02 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112D112] to 1.3.032.06.080.04 to correct incorrect SCC assignment for DPW support to construction phase.
56	In January 2017 Report, revised SCC Code from 1.2.032.02.080.02 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112E112] to 1.3.032.06.080.04 to correct incorrect SCC assignment for DPW support to construction phase.
57	In January 2017 Report, revised SCC Code from 1.2.032.02.080.02 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112F112] to 1.3.032.06.080.04 to correct incorrect SCC assignment for DPW support to construction phase.
58	In January 2017 Report, revised SCC Code from 1.2.032.02.080.02 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112G112] to 1.3.032.06.080.04 to correct incorrect SCC assignment for DPW support to construction phase.
59	1.3.055.01.080.02 - FD:ODCs - 651 BRANNAN STREET [35CPT5441241.CPT5441241]: FAMIS: \$2,294,910 Cost Report: \$2,294,910 1.2.055.01.080.02 - FD:ODCs - 651 BRANNAN STREET [35CPT5441241.CPT5441241] Cost Transfer: Future costs to be allocated to 1.3.055.01.080.02
60	1.3.063.01.080.03 - AECOM.CS149 OM-EPC JV CS149-PM [68CPT544133D.CPT544133D]: FAMIS: \$4,698,167 Cost Report: \$4,698,167 on 1.2.063.01.080.03 Cost Transfer: Future costs to 1.3.063.01.080.03 - AECOM.CS149 OM-EPC JV CS149-PM [68CPT544133D.CPT544133D]
61	In February 2017, transferred \$1,060,000 from programs unallocated contingency to initiate CN1300 JOB READINESS contracts, (cost account code 1.3.064.06.040.08). A deductive Construction Modification to CN1300 will process.
62	Used \$500K program contingency for CS-175 Bayland Soil Process contract. Refer to Report Notes #20.
63	1.3.071.01.080.04 - FD:FINAL DESIGN-DP1 [35CPT5441232.CPT5441232]: FAMIS: \$5,608,147 Cost Report: \$5,469,336 Cost Transfer: \$138,811 to 1.3.071.01.080.04 - FD:FINAL DESIGN-DP1 [35CPT5441232.CPT5441232]
64	1.3.072.01.080.04 - FD:FINAL DESIGN-DP2 [35CPT5441233.CPT5441233]: FAMIS: \$26,268,511 COST REPORT: \$26,220,609 COST TRANSFER: \$47,902 to 1.3.072.01.080.04 - FD:FINAL DESIGN-DP2 [35CPT5441233.CPT5441233]
65	Contract 1251 Final cost is \$20,794,582.

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66	In March 2016, July 2016 and October 2016, contract 1252 modifications budget and actuals have been realigned and adjusted to reflect actuals costs.
67	In March 2016, July 2016 and October 2016, contract 1252 modifications budget and actuals have been realigned and adjusted to reflect actuals costs.
68	Revised Contract 1252 allocated contingency SCC code from 040.08 to 010.07.
69	In July 2015 Report, used Contract 1300 Contractor schedule to report budget and actual cost. The Standard Cost Categories (SCC) allocation changed from previous reports. In August 2015 Report, adjusted some of Contract 1300 Contractor SCC assignment to match most of previous SCC assignment. In March 2016, \$75,000 Cmod#6 subtracted from CN1300 Stations contingency (using CPT718 funding) and transferred to Program contingency; this lead to the total CN1300 Station budget being lowered.
70	Revised Contract 1300/UMS allocated contingency SCC code from 040.08 to 020.03.
71	In March 2016 Report, reduced Contract 1252 contingency by \$377,435 cost to reflect certification of five CMODS.
72	Revised Contract 1300/CTS allocated contingency SCC code from 040.08 to 020.03.
73	Negative Current or Prior Monthly expenditure is due to replenish allowance expenses by approved Contract Modifications.
74	Revised Contract 1300/YBM allocated contingency SCC code from 040.08 to 020.03.
75	Revised Contract 1300/STS allocated contingency SCC code from 040.08 to 020.01.
76	Revised Form B Reimbursements SCC code from 900.01 to 040.02
77	Revised Form B Reimbursements SCC code from 900.01 to 040.02
78	Revised Form B Reimbursements SCC code from 900.01 to 040.02
79	Revised Form B Reimbursements SCC code from 900.01 to 040.02
80	Revised Form B Reimbursements SCC code from 900.01 to 040.02
81	Revised Form B Reimbursements SCC code from 900.01 to 040.02
82	Revised Form B Reimbursements SCC code from 900.01 to 040.02
83	Revised Form B Reimbursements SCC code from 900.01 to 040.02
84	Increase Program contingency \$1,023,508. Refer to Report Notes #11 and #12. In April 2015 report, program contingency decreased by \$500,000. Refer to Report Notes #20. In August 2015 report, release \$15M CN1252 Tunnel assigned contingency to program unallocated contingency. In March 2016 report, program unallocated contingency increased by \$230,468. In August 2016, released \$20M to CN1300 Construction assigned contingency from program unallocated contingency. In February 2017, used \$1,060,000 for CN1300 Job Readiness Program from unallocated contingency, refer to Note 30. Also, released \$5,265,478 assigned real estate contingency to program unallocated contingency, refer to Note 27. In July 2018 report, used \$2,263,498 to fund SCC 80 Professional Services category regarding matters related to stations from program unallocated contingency.

*Appendix B*

**DETAIL SCHEDULE REPORTS**



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## **SCHEDULE HIGHLIGHTS**

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

The MPS shows a forecast Revenue Service Date of January 2020.

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

Schedule Contingency is fully utilized on the critical path of the MPS, which is below the Minimum Schedule Contingency level of 6 months. 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. CTS Headhouse concrete invert slab will require additional rebar than originally estimated impacting the schedule. Contract 1300 Schedule shows no change in July with the same forecasted Revenue Service Date of 14 January 2020.

Contract 1300 Contractor submitted forty three (43) Schedule Updates from December 2014 to July 2018. SFMTA rejected twenty six (26) Schedule Updates from January 2016 to April 2016 and June 2016 to April 2018 due to multiple and repetitive issues that vary from incorrect working sequences to unrealistic forecasted completion dates to artificially steering the schedule longest path through certain portions of the project. SFMTA approved as noted December 2014 through December 2015, and May 2016 Schedule Updates. Contractor has been directed to develop a Recovery Schedule as required by Contract to mitigate the current forecasted project delay. The 18 month “gap” of missing Schedule Updates at the beginning of the job has interfered with efficient resolution of Contractor’s assertions of Unavoidable Delay to the project-wide Substantial Completion date, which is additionally impacting the Contractor’s review of options for schedule recovery.

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

The Contractor, Tutor Perini Corporation’s (TPC) baseline schedule is incorporated into the master program schedule. The preliminary SFMTA Contract 1300 August 2018 schedule is used within the August Report. The SFMTA Contract 1300 August 2018 schedule is based on the approved baseline schedule logic with adjustments made for fixing retained logic and lags. The SFMTA will continue to use the SFMTA Contract 1300 schedule update as a forecasting tool going forward until the Contract 1300 Contractor submits an acceptable schedule that addresses all of SFMTA scheduling concerns.

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

- Completed placing concrete for Crossover Cavern arches
- Continued installing rebar and formwork for Crosscut Cavern headwall
- Continued installing waterproofing at North Egress Shaft
- Continued street work (minor), ongoing monitoring and surveying
- Completed installing rebar, electrical, and plumbing for Platform slab at Headhouse
- Completed placing concrete for Platform slab at Headhouse

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

- Complete contact grouting for Crossover Cavern arches
- Complete rebar installation and concrete placement for North and South Platform arches
- Continue installing rebar and formwork for Crosscut Cavern headwall
- Continue waterproofing installation at Crosscut Cavern arches
- Continue street work (minor), ongoing monitoring and surveying
- Complete rebar installation and concrete placement for Headhouse platform level columns
- Begin installing rebar, electrical, and plumbing for Concourse slab at Headhouse
- Begin concrete placement for Concourse slab

Activity ID	Activity Name	2018					2019	
		Aug	Sep	Oct	Nov	Dec	Jan	Feb
<b>CENTRAL SUBWAY PROJECT</b>								
<b>Construction Phase</b>								
<b>Construction CN-1300</b>								
<b>Construction CTS Station P-1254R</b>								
Administrative / Milestones								
Preconstruction								
Site Work / Utility Relocation								
Demolition								
Excavation & Support								
Tunnel / Cavern Mining								
Cavern Lining								
<b>Cross Cut Cavern</b>								
CTS.31.74.960	Install Waterproofing & Grout Pipes - Final Lining Invert -Cross Cut Cavern							
CTS.31.74.970	Install Rebar - Final Lining Invert -Cross Cut Cavern							
CTS.31.74.980	Place Concrete - Final Lining Invert -Cross Cut Cavern							
CTS.31.74.990	Install Waterproofing - Final Lining Arches - Crosscut Cavern							
CTS.31.74.1000	Install Rebar & Grout Piping - Final Lining Arches - Crosscut Cavern							
CTS.31.74.350	Shotcrete Final Lining Arches - Crosscut Cavern							
<b>Platform Cavern South</b>								
CTS.31.74.625	Install Rebar & Grout Piping - Final Lining Arches - Platform Cavern South							
CTS.31.74.635	Shotcrete - Final Lining Arches - Platform Cavern South							
<b>Platform Cavern North</b>								
CTS.31.74.940	Install Rebar -Final Lining Arches - Platform Cavern North							
CTS.31.74.950	Shotcrete - Final Lining Arches - Platform Cavern North							
<b>Emergency Egress</b>								
<b>Concrete/Shotcrete</b>								
<b>HeadHouse</b>								
CTS.03.37.024	CTS_UP - Place - Shotcrete on Slurry Walls - Head House							
CTS.03.11.080	CTS_CN Install Falsework - For Headhouse Concourse Level Slab							
CTS.07.13.260	CTS_UP - Install - Drain Mat & Waterproofing on Shotcrete Walls - Head House							
CTS.03.30.095	CTS_CN Form/Rebar/Pour - Headhouse Concourse Level Slab							
CTS.03.30.105	CTS_CN Concrete Cure - Concourse Level Slab							
CTS.03.30.075	CTS_CN Form/Rebar/Pour/Strip - Columns Concourse Slab to Intermediate Leve							
CTS.03.30.260	Pour Equipment Pads - Main Electrical & Traction Power Rooms							
CTS.03.30.165	Form/Rebar/Pour/Strip - Perimeter Walls - Invert Slab to Platform Level							
CTS.03.37.010	CTS_PL - Place - Shotcrete on Slurry Walls - Head House							
CTS.03.11.120	Install Falsework - For Intermediate Level Slab							
CTS.03.30.130	Form/Rebar/Pour - Intermediate Level Slab							
CTS.03.30.085	Form/Rebar/Pour/Strip - Columns Intermediate Slab to Lower Mezz Level							
CTS.03.30.140	Concrete Cure - Intermediate Level Slab							

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

- Platform Station: Completed installation of North and South Ring Beams. Continued constructions of Stair 2 & 5. Continued installation of stem walls and platform deck
- North Concourse: Completed installation of Stair 7 and CMU walls on Concourse level. Commenced installation of CMU walls on Fan level. Continued installation of fire sprinklers on Concourse and Fan levels
- South Concourse: Completed assembly of Escalator 7 & 8. Completed construction of South escalator walls and wing slab. Continued installation of fire sprinklers and electrical cable tray supports

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

- Platform Station: Continue to install concrete Wale at Concourse and Intermediate Strut level. Continue construction of CMU Walls on Mezzanine level. Continue installation of Stairs 3 & 4 on Mezzanine level. Continue deck installation on Mezzanine, Intermediate Strut and Concourse levels
- North Concourse: Complete construction of CMU walls on Fan level. Complete installation of fire sprinklers on Fan and Concourse level
- South Concourse: Continue installation of fire sprinklers and electrical cable tray supports. Commence CMU wall construction
- O’Farrell St.: Complete street and sidewalk restoration at intersection of Stockton Street
- Ellis Street & Annex: Continue to build out handicap ramp at intersection of Market and Stockton Street. Restore pedestrian signals and poles. Continue to install invert walls and ceiling and electrical room and sump pit

Activity ID	Activity Name	2018					2019	
		Aug	Sep	Oct	Nov	Dec	Jan	Feb
<b>CENTRAL SUBWAY PROJECT</b>								
<b>Construction Phase</b>								
<b>Construction CN-1300</b>								
<b>Construction UMS Station P-1253</b>								
Administrative / Milestones								
Preconstruction								
Engineering & Procurement								
Drilled Shafts								
Roof Deck Excavation,Construction,Restoration								
Excavation & Support								
Concrete/Shotcrete								
Surface Level								
Concourse Level								
Intermediate Strut Level								
UMS.07.13.0501	UMS_Install Waterproofing System - Exterior Walls Intermediate Strut to Concour							
UMS.07.13.0502	UMS_Install Waterproofing System - Exterior Walls Intermediate Strut to Concour							
UMS.03.30.1121	UMS_Form/Rebar/ Exterior Walls - Intermediate Strut Level To Concourse Lev							
UMS.03.30.1131	UMS_Shotcrete / Exterior Walls - Intermediate Strut Level To Concourse Level							
UMS.03.30.1124	UMS_Form/Rebar/ Exterior Walls - Intermediate Strut Level To Concourse Lev							
UMS.03.30.1107	UMS_Form/Rebar/ Wale Encasement - Intermediate Strut Level - Pour #7							
UMS.03.30.1122	UMS_Form/Rebar/ Exterior Walls - Intermediate Strut Level To Concourse Lev							
UMS.03.30.1125	UMS_Form/Rebar/ Exterior Walls - Intermediate Strut Level To Concourse Lev							
UMS.03.30.1132	UMS_Shotcrete / Exterior Walls - Intermediate Strut Level To Concourse Level							
UMS.03.30.1133	UMS_Shotcrete / Exterior Walls - Intermediate Strut Level To Concourse Level							
UMS.03.30.1126	UMS_Form/Rebar/ Exterior Walls - Intermediate Strut Level To Concourse Lev							
UMS.05.30.1017	UMS_Install Metal Deck - Intermediate Strut Level - Pour #7							
UMS.03.30.1134	UMS_Shotcrete / Exterior Walls - Intermediate Strut Level To Concourse Level							
UMS.03.30.1135	UMS_Shotcrete / Exterior Walls - Intermediate Strut Level To Concourse Level							
UMS.03.30.1136	UMS_Shotcrete / Exterior Walls - Intermediate Strut Level To Concourse Level							
UMS.03.30.1187	UMS_Form/Rebar/ On Metal Deck - Intermediate Strut Level - Pour #7							
UMS.03.30.1197	UMS_Place Concrete / On Metal Deck - Intermediate Strut Level - Pour #7							
UMS.03.30.1127	UMS_Form/Rebar/ Exterior Walls - Intermediate Strut Level To Concourse Lev							
UMS.03.30.1137	UMS_Shotcrete / Exterior Walls - Intermediate Strut Level To Concourse Level							
UMS.03.30.2197	UMS_Cure Concrete / On Metal Deck - Intermediate Strut Level - Pour #7							
Mezzanine Level								
UMS.03.30.1167	UMS_Form/Rebar/ On Metal Deck - Mezzanine Level - Pour #7							
UMS.03.30.1086	UMS_Form/Rebar/ Exterior Walls - Mezzanine To Intermediate Strut Level - Poui							
UMS.03.30.1177	UMS_Place Concrete / On Metal Deck - Mezzanine Level - Pour #7							
UMS.03.30.1096	UMS_Shotcrete / Exterior Walls - Mezzanine To Intermediate Strut Level - Pour #							
UMS.03.30.1097	UMS_Shotcrete / Exterior Walls - Mezzanine To Intermediate Strut Level - Pour #							



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

- Continued to replace the force main and AWSS at 4<sup>th</sup> & Howard
- Continued work related to the installation of PG&E #7 boxes
- Began waterproofing 11 wall
- Began F/R/P of Stair 1
- Began demo of Stair 4 opening
- Began installing surface level deck (Headhouse Surface)
- Poured Headhouse Undersurface walls (Headhouse Undersurface)
- Began installing Headhouse Vent Shaft
- Began removing shoring, struts and walers at Headhouse Mezzanine area
- Began F/R/P of vent shaft beams (Headhouse Mezzanine)
- Began F/R/P of Headhouse Mezzanine walls
- Continued removing shoring, struts and walers at Headhouse Concourse area
- Continued F/R/P of walls in Headhouse Concourse
- Continued electrical work in Headhouse Concourse
- Continued installing ducts in Headhouse Concourse
- Continued sealing leaks in Headhouse Invert

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

- Continue utility work at intersection of 4<sup>th</sup> & Folsom and 4<sup>th</sup> & Howard
- Continue placing PG&E and AT&T utilities in Stair 4 area per PCC 159
- Complete F/R/P of Stair 1,3, and 4
- Complete installing Stair 6
- Continue installing Stair 7
- Continue installing Escalators 3 & 4
- Finish installing surface level deck (Headhouse Surface)
- Complete F/R/P of Headhouse Undersurface walls
- Continue F/R/P of Headhouse Mezzanine walls, columns, and pilasters
- Continue MEP work at Headhouse Concourse area
- Continue installing Granite Art Work panels (Station Concourse)
- Continue installing crystallized glass panels (Station Concourse)
- Finish sealing leaks in Headhouse Invert
- Pour topping slab in Main Electrical Room (Headhouse Invert)
- Begin F/R/P D-Line opening (Headhouse Invert)
- Continue F/R/P of seismic joints (Station Platform)

Activity ID	Activity Name	2018					2019	
		Aug	Sep	Oct	Nov	Dec	Jan	Feb
<b>CENTRAL SUBWAY PROJECT</b>								
<b>Construction Phase</b>								
<b>Construction CN-1300</b>								
<b>Construction YBM Station P-1255</b>								
Preconstruction								
Excavation & Support								
Concrete/Shotcrete								
Entrance Roof Level								
Surface Level								
All Levels								
YBM.03.30.590	Metal Deck/ Railing Stair #3 from Platform to Concourse Level							
YBM.05.60.550	FRP Stair #6 from Under surface to Surface Level							
YBM.05.52.570	Install Metal Stair #6 Rails from Platform to Mezz Level							
YBM.05.52.580	Install Stair #3 Rails from Platform to Concourse Level							
YBM.05.60.610	Set/ Weld Stair #7 Steel from Concourse to Surface Level							
YBM.03.30.1470	Metal Deck/ Railing Stair #7 from Concourse to Surface Level							
YBM.05.60.620	FRP Stair #7 from Concourse to Surface Level							
YBM.05.52.460	Install Stair #2 Rails from Platform to Concourse Level							
Concourse Level								
Mezzanine Level								
Platform Level								
Electrical								
Concourse Level								
Mezzanine Level								
Platform Level								
YBM.26.24.1320	YBM_PL 207 - Aux Elect Rm: Install - Panelboard 1SHP (NB/SB Tunnel Power - F							
YBM.26.24.1310	YBM_PL 207 - Aux Elect Rm: Terminations - Panelboard 1SP1							
YBM.26.24.1350	YBM_PL 207 - Aux Elect Rm: Install Raceway - Panelboard 1SHL							
YBM.34.05.0210	YBM_PL_Install Conduit PB02 to NB Feeder Box To PS01& PS05 (Traction Power							
YBM.34.05.0240	YBM_PL_Install Conduit NB Positive Feeder Box PS01 to PS04 (Traction Power)							
YBM.34.05.0220	YBM_PL_Install Conduit SB Positive Feeder Box PS02 to PS06 (Traction Power)							
YBM.26.05.1076	YBM_PL 207 - Aux Elect Rm: Install - System Ground Bus							
YBM.26.24.1430	YBM_PL 207 - Aux Elect Rm: Terminations - Panelboard LCP-1S							
YBM.26.24.1040	YBM_PL 106 - Aux Elect Rm: Install - Panelboard E1NHL (NB/SB Tunnel Lighting							
YBM.26.24.1190	YBM_PL 106 - Aux Elect Rm: Install - Panelboard E1NP (Receptacles)							
YBM.26.24.1060	YBM_PL 106 - Aux Elect Rm: Terminations - Panelboard 1NP							
YBM.26.24.1180	YBM_PL 106 - Aux Elect Rm: Terminations - Panelboard LCP-1N (Lighting Contro							
YBM.26.24.1070	YBM_PL 207 - Aux Elect Rm: Install - Panelboard E1SP (Receptacles)							
YBM.26.24.1220	YBM_PL 106 - Aux Elect Rm: Install - Panelboard 1NHP (NB/SN Tunnel - Future)							
YBM.26.24.1210	YBM_PL 106 - Aux Elect Rm: Terminations - Panelboard E1NP (Receptacles)							
YBM.26.05.1066	YBM_PL 106 - Aux Elect Rm: Install - System Ground Bus							

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

- Continued electrical conduit installation inside tunnel
- Continued pulling traction power cables on 4<sup>th</sup> Street
- Continued installing luminaire arms and luminaires on 4<sup>th</sup> Street
- Completed sidewalk and curb ramp pavement renovation at 4<sup>th</sup>/Brannan
- Started sidewalk and curb ramp pavement renovation at 4<sup>th</sup>/Bryant
- Ongoing strut bracket installation in both tubes working South to North

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

- Continue OCS pole installation
- Continue 4<sup>th</sup>/Brannan platform
- Continue electrical conduit installation inside tunnel
- Continue pulling traction power cables on 4<sup>th</sup> Street
- Continue installing luminaire arms and luminaires on 4<sup>th</sup> Street
- Continue sidewalk and curb ramp pavement renovation at 4<sup>th</sup>/Bryant

Activity ID	Activity Name	2018					2019	
		Aug	Sep	Oct	Nov	Dec	Jan	Feb
<b>CENTRAL SUBWAY PROJECT</b>								
<b>Construction Phase</b>								
<b>Construction CN-1300</b>								
<b>Construction STS P-1256</b>								
Preconstruction								
Concrete/Shotcrete								
Tunnel Concrete								
Structural Steel								
Electrical								
Electrical - Transportation								
Trackwork								
Platform Level								
STS.34.11.120	Install SB Tunnel Trackwork - Moscone to Union Square (1,950 TF)							
STS.34.11.130	Install NB Tunnel Trackwork - Moscone to Union Square (1,950 TF)							
STS.32.13.1300	STS_Prepare Phase 1 4th Street Subgrade - At Brannan St Intersection							
STS.32.13.1310	STS_R/F/P Phase 1 4th Street Curbs & Gutters - At Brannan St Intersection							
STS.32.13.1340	STS_R/F/P Phase 1 4th Street Sidewalks - At Brannan St Intersection							
STS.32.13.1320	STS_R/F/P Phase 1 4th Street 12" Base Slab - At Brannan St Intersection							
STS.34.11.125	Install NB Trackwork - Thru Union Square Station (410 TF)							
STS.34.11.110	Install SB Trackwork - Thru Union Square Station (410 TF)							
STS.32.13.1540	STS_R/F/P Phase 1 4th Street Sidewalks - At Bryant St Intersection							
STS.32.13.1500	STS_Prepare Phase 1 4th Street Subgrade - At Bryant St Intersection							
STS.32.13.1510	STS_R/F/P Phase 1 4th Street Curbs & Gutters - At Bryant St Intersection							
STS.32.13.1520	STS_R/F/P Phase 1 4th Street 12" Base Slab - At Bryant St Intersection							
STS.32.13.1330	STS_R/F/P Phase 1 4th Street 2" A/C Wearing Surface - At Brannan St Intersection							
STS.32.13.780	STS_R/F/P Phase 2 4th Street Curbs & Gutters - At Brannan St Intersection							
STS.32.13.1050	STS_R/F/P Phase 2 4th Street Sidewalks - At Brannan St Intersection							
STS.32.13.730	STS_Prepare Phase 2 4th Street Subgrade - At Bryant St Intersection							
STS.32.13.870	STS_R/F/P Phase 2 4th Street 12" Base Slab - At Brannan St Intersection							
STS.32.13.820	STS_R/F/P Phase 2 4th Street Curbs & Gutters - At Bryant St Intersection							
STS.32.13.1090	STS_R/F/P Phase 2 4th Street Sidewalks - At Bryant St Intersection							
STS.34.11.105	Install SB Tunnel Trackwork - Union Square to Chinatown (2,422 TF)							
STS.32.13.1530	STS_R/F/P Phase 1 4th Street 2" A/C Wearing Surface - At Bryant St Intersection							
Trackwork wi	Install NB Tunnel Trackwork - Union Square to Chinatown (2,422 TF)							
STS.32.13.910	STS_R/F/P Phase 2 4th Street 12" Base Slab - At Brannan St Intersection							
STS.32.13.960	STS_R/F/P Phase 2 4th Street 2" A/C Wearing Surface - At Brannan St Intersection							
STS.32.13.1000	STS_R/F/P Phase 2 4th Street 2" A/C Wearing Surface - At Bryant St Intersection							
STS.34.11.0260	STS_Prepare Trackway Subgrade - Through Brannan St Intersection							
STS.34.11.0295	STS_Prepare Trackway Subgrade - Through Bryant St Intersection							
STS.34.11.0350	STS_F/R/P Trackway Curb - Through Brannan St Intersection							

**SCHEDULE REVISIONS**

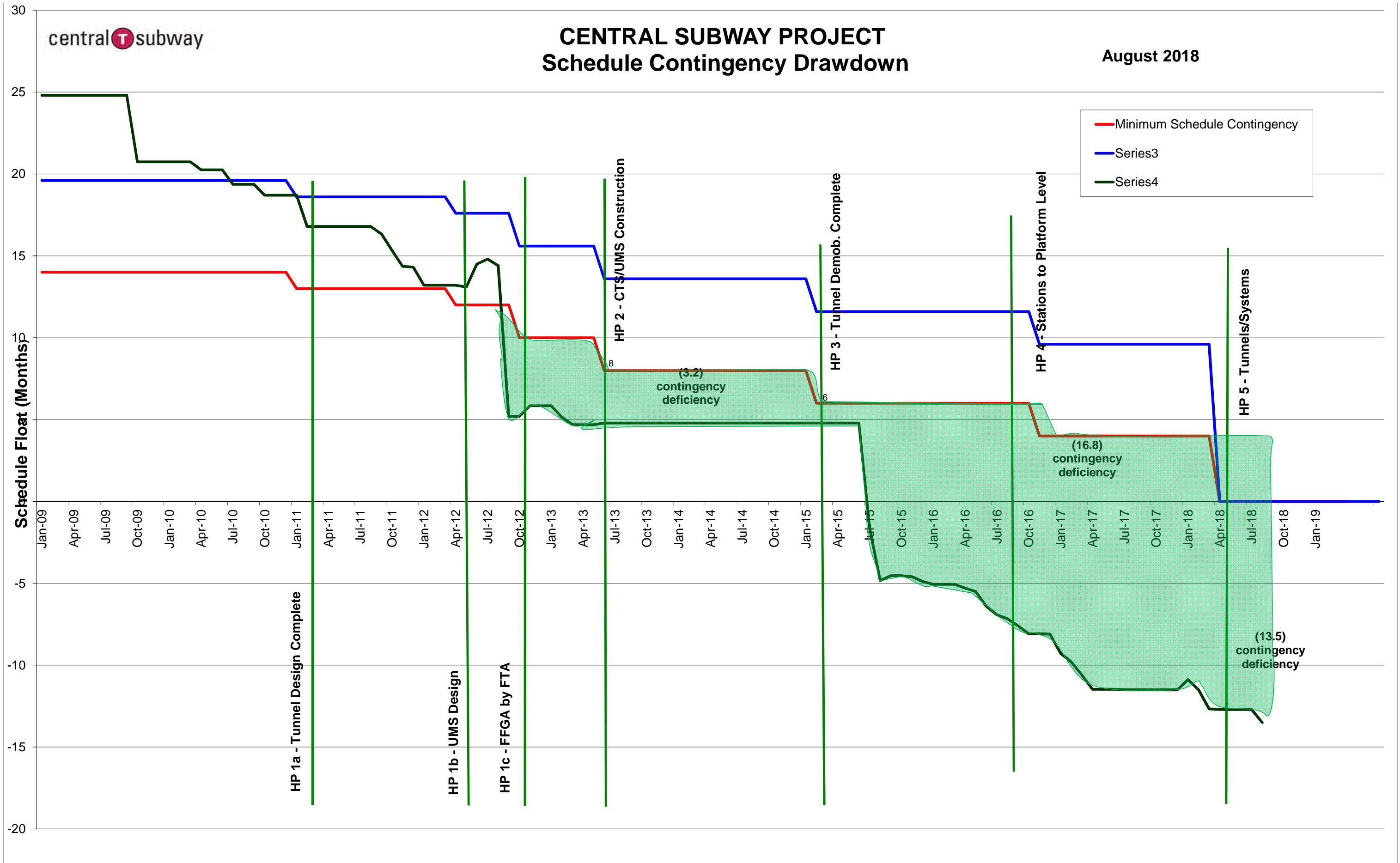
The SFMTA Contract 1300 August 2018 schedule update was added this period to the Central Subway Project Master Schedule.

**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

August 2018





Activity ID	Activity Name	Original Duration	Start	Finish	2018		2019				2020			
					Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
<b>CENTRAL SUBWAY PROJECT</b>					4612	03-Jun-03 A	05-Feb-21							
<b>Program Level Milestones</b>					4395	03-Jun-03 A	14-Jan-20							
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		14-Jan-20*										
MS0009	CSP Revenue Service Date	0		14-Jan-20*										
<b>Preliminary Engineering Phase</b>					2661	03-Jun-03 A	07-Jan-10 A							
<b>Final Design</b>					1811	08-Jan-10 A	17-Jun-13 A							
<b>Light Rail Vehicles</b>					2342	15-Apr-13 A	12-Sep-19							
<b>Real Estate</b>					3130	01-Aug-08 A	02-Jan-14 A							
<b>Construction Phase</b>					2893	04-Jan-10 A	05-Feb-21							
<b>Construction Support and Costs</b>					3316	04-Jan-10 A	05-Feb-21							
<b>Construction Utility Contract #1- MOS &amp; Portal CN-1250</b>					505	04-Jan-10 A	23-May-11 A							
<b>Construction Utility Contract #2 - UMS CN-1251</b>					643	12-Jan-11 A	15-Oct-12 A							
<b>Construction Tunnels CN-1252</b>					1518	08-Jun-11 A	27-Aug-18							
<b>Construction CN-1300</b>					1705	03-Jun-13 A	01-Jan-20							
<b>CN- 1300 Milestone</b>					1705	17-Jun-13 A	01-Jan-20							
<b>Construction UMS Station P-1253</b>					1704	17-Jun-13 A	29-Jul-19							
<b>Construction CTS Station P-1254R</b>					1705	17-Jun-13 A	31-Dec-19							
<b>Construction YBM Station P-1255</b>					1651	10-Jun-13 A	29-Jul-19							
<b>Construction STS P-1256</b>					1651	03-Jun-13 A	16-Oct-19							
<b>Project Start Up</b>					170	29-Jul-19	14-Jan-20							
<b>Unallocated Contingency</b>					344	27-Aug-18	13-Jan-20							
CO1.700	Cost Activity Unallocated Contingency (LOE) - 1.7.500.99.090.00 - Contingency	344	27-Aug-18	13-Jan-20										

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2018																2019				2020				2021				2022			
						Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4					
<b>Program Level Milestones</b>						0	14-Jan-20	14-Jan-20	-261																												
MS0019	Baseline Finish Date: 12-26-2018	0		14-Jan-20*	-261	◆ Baseline Finish Date: 12-26-2018																															
MS0009	CSP Revenue Service Date	0		14-Jan-20*	-261	◆ CSP Revenue Service Date																															
<b>CN- 1300 Milestone</b>						156	29-Jul-19	01-Jan-20	-581																												
MS-10	Substantial Completion - 1,700 Calendar Days (SP-4.B) { 10-Feb-18 }	0		29-Jul-19*	-581	◆ Substantial Completion - 1,700 Calendar Days (SP-4.B) { 10-Feb-18 }																															
MS-20	Final Completion - 1,790 Calendar Days (SP-4C)	0		01-Jan-20*	-581	◆ Final Completion - 1,790 Calendar Days (SP-4C)																															
<b>Construction CTS Station P-1254R</b>						370	17-Jul-18 A	31-Dec-19	-415																												
CTS.31.50.070	Remove Level 6 & 7 Struts & Wales	5	17-Jul-18 A	31-Aug-18	-404	■ Remove Level 6 & 7 Struts & Wales																															
CTS.03.11.080	CTS_CN Install Falsework - For Headhouse Concourse Level Slab	10	16-Aug-18 A	10-Sep-18	-404	■ CTS_CN Install Falsework - For Headhouse Concourse Level Slab																															
CTS.03.30.095	CTS_CN Form/Rebar/Pour - Headhouse Concourse Level Slab	15	21-Aug-18 A	18-Sep-18	-404	■ CTS_CN Form/Rebar/Pour - Headhouse Concourse Level Slab																															
CTS.31.50.110	CTS_CN Remove Level 5 Struts & Wales	5	27-Aug-18	31-Aug-18	-404	■ CTS_CN Remove Level 5 Struts & Wales																															
CTS.03.30.075	CTS_CN Form/Rebar/Pour/Strip - Columns Concourse Slab to Intermediate Lev	5	19-Sep-18	25-Sep-18	-404	■ CTS_CN Form/Rebar/Pour/Strip - Columns Concourse Slab to Intermediate Lev																															
CTS.03.11.120	Install Falsework - For Intermediate Level Slab	10	26-Sep-18	09-Oct-18	-404	■ Install Falsework - For Intermediate Level Slab																															
CTS.03.30.130	Form/Rebar/Pour - Intermediate Level Slab	10	01-Oct-18	12-Oct-18	-404	■ Form/Rebar/Pour - Intermediate Level Slab																															
CTS.03.30.085	Form/Rebar/Pour/Strip - Columns Intermediate Slab to Lower Mezz Level	5	15-Oct-18	19-Oct-18	-404	■ Form/Rebar/Pour/Strip - Columns Intermediate Slab to Lower Mezz Level																															
CTS.03.11.160	CTS_LM Install Falsework - For Lower Mezz Level Slab	10	22-Oct-18	02-Nov-18	-404	■ CTS_LM Install Falsework - For Lower Mezz Level Slab																															
CTS.03.30.170	CTS_LM Form/Rebar/Pour - Lower Mezz Level Slab	14	25-Oct-18	13-Nov-18	-404	■ CTS_LM Form/Rebar/Pour - Lower Mezz Level Slab																															
CTS.03.30.185	CTS_LM Concrete Cure - Lower Mezz Level Slab	5	14-Nov-18	20-Nov-18	-404	■ CTS_LM Concrete Cure - Lower Mezz Level Slab																															
CTS.04.22.017	CTS_CN - Build - CMU Partition Walls - Head House Concourse Level	15	21-Nov-18	13-Dec-18	-404	■ CTS_CN - Build - CMU Partition Walls - Head House Concourse Level																															
CTS.23.31.666	CTS_PL 18 - Main Elect Rm: Install - HVAC: Ductwork	9	14-Dec-18	27-Dec-18	-404	■ CTS_PL 18 - Main Elect Rm: Install - HVAC: Ductwork																															
CTS.26.11.125	CTS_PL 18 - Main Elect Rm: Install - Elect Substation & Switchboard DS2	10	28-Dec-18	11-Jan-19	-404	■ 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	11-Jan-19	24-Jan-19	-404	■ CTS_PL 18 - Main Elect Rm: Install - Elect Substation & Switchboard DS1																															
CTS.26.11.135	CTS_PL 18 - Main Elect Rm: Install - Elect Substation & SWGR SG2	10	25-Jan-19	07-Feb-19	-404	■ CTS_PL 18 - Main Elect Rm: Install - Elect Substation & SWGR SG2																															
CTS.26.11.145	CTS_PL 18 - Main Elect Rm: Install - Elect Substation & SWGR SG1	9	08-Feb-19	20-Feb-19	-404	■ CTS_PL 18 - Main Elect Rm: Install - Elect Substation & SWGR SG1																															
CTS.26.11.195	CTS_PL 18 - Main Elect Rm:Install Conduit Substations SG1 & SG2 To Substat	6	21-Feb-19	28-Feb-19	-404	■ CTS_PL 18 - Main Elect Rm:Install Conduit Substations SG1 & SG2 To																															
CTS.26.11.205	CTS_PL 18 - Main Elect Rm:Install Conduit Substations SG1 & SG2 To A/C TPSS	5	01-Mar-19	07-Mar-19	-404	■ CTS_PL 18 - Main Elect Rm:Install Conduit Substations SG1 & SG2 To																															
CTS.26.11.235	CTS_PL 18 - Main Elect Rm:Pull & Terminate Power Cable Substations SG1 To	5	08-Mar-19	14-Mar-19	-404	■ CTS_PL 18 - Main Elect Rm:Pull & Terminate Power Cable Substation																															
CTS.26.11.900	CTS_PL 18 - Main Elect Rm: Energize Main Substation SG1 & SG2	5	15-Mar-19	21-Mar-19	-404	■ CTS_PL 18 - Main Elect Rm: Energize Main Substation SG1 & SG2																															
CTS.34.21.915	CTS_PL 18 - Main Elect Rm: Energize A/C TPSS Equipment	5	22-Mar-19	28-Mar-19	-404	■ CTS_PL 18 - Main Elect Rm: Energize A/C TPSS Equipment																															
CTS.34.21.935	CTS_PL 18 - Main Elect Rm: Energize DC TPSS Equipment	5	29-Mar-19	04-Apr-19	-404	■ CTS_PL 18 - Main Elect Rm: Energize DC TPSS Equipment																															
CTS 01 45 00 f	CTS_Final Acceptance Inspection	156	29-Jul-19	31-Dec-19	-581	■ CTS_Final Acceptance Inspection																															
<b>Construction STS P-1256</b>						79	05-Apr-19	26-Jul-19	-404																												
STS.34.42.425	Startup & Testing - Tunnel & ATSC Systems	79	05-Apr-19	26-Jul-19	-404	■ Startup & Testing - Tunnel & ATSC Systems																															
<b>Project Start Up</b>						170	29-Jul-19	14-Jan-20	-383																												
STU1010	S&S Certification / Pre-Revenue Activities	115	29-Jul-19	14-Jan-20	-261	■ S&S Certification / Pre-Revenue Activities																															
BUF0018	Muni Float	0	14-Jan-20	14-Jan-20	-261	■ Muni Float																															



Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2018		2019				2020				2021	
						Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
<b>CENTRAL SUBWAY PROJECT</b>																	
<b>Light Rail Vehicles</b>																	
<b>Construction Phase</b>																	
<b>Construction Support and Costs</b>																	
<b>Construction CN-1300</b>																	
<b>CN- 1300 Milestone</b>																	
<b>No 13-Disp</b>																	
<b>Construction UMS Station P-1253</b>																	
<b>Preconstruction</b>																	
<b>Engineering &amp; Procurement</b>																	
<b>Site Work / Utility Relocation</b>																	
<b>Drilled Shafts</b>																	
<b>Demolition</b>																	
<b>Roof Deck Excavation,Construction,Restoration</b>																	
<b>Excavation &amp; Support</b>																	
<b>Concrete/Shotcrete</b>																	
<b>Surface Level</b>																	
<b>Concourse Level</b>																	
<b>Intermediate Strut Level</b>																	
<b>Mezzanine Level</b>																	
<b>Platform Level</b>																	
UMS.03.30.1312	UMS_Place Concrete Platform Stem Walls Pour #2	1	07-May-18 A	23-Oct-18	-389												
UMS.03.30.1306	UMS_Form / Rebar Platform Stem Walls Pour #6	3	11-Jun-18 A	25-Oct-18	-349												
UMS.03.30.1307	UMS_Form / Rebar Platform Stem Walls Pour #7	3	11-Jun-18 A	30-Oct-18	-349												
UMS.03.30.1322	UMS_Shore & Set Soffit - Platform Pour #2	3	12-Jul-18 A	31-Oct-18	-392												
UMS.03.30.1324	UMS_Shore & Set Soffit - Platform Pour #4	3	12-Jul-18 A	05-Nov-18	-389												
UMS.03.30.1316	UMS_Place Concrete Platform Stem Walls Pour #6	1	22-Aug-18 A	23-Aug-18 A													
UMS.03.30.1301	UMS_Form / Rebar Platform Stem Walls Pour #1	3	18-Oct-18	22-Oct-18	-392												
UMS.03.30.1311	UMS_Place Concrete Platform Stem Walls Pour #1	1	23-Oct-18	23-Oct-18	-392												
UMS.03.30.1321	UMS_Shore & Set Soffit - Platform Pour #1	3	24-Oct-18	26-Oct-18	-392												
UMS.03.30.1331	UMS_Form / Rebar - Platform Pour #1	3	29-Oct-18	31-Oct-18	-392												
UMS.03.30.1317	UMS_Place Concrete Platform Stem Walls Pour #7	1	31-Oct-18	31-Oct-18	-349												
UMS.03.30.1341	UMS_Place Concrete - Platform Pour #1	1	01-Nov-18	01-Nov-18	-386												
UMS.03.30.1332	UMS_Form / Rebar - Platform Pour #2	3	01-Nov-18	05-Nov-18	-392												
UMS.03.30.1342	UMS_Place Concrete - Platform Pour #2	1	06-Nov-18	06-Nov-18	-388												
UMS.03.30.1325	UMS_Shore & Set Soffit - Platform Pour #5	3	06-Nov-18	08-Nov-18	-358												
UMS.03.30.1333	UMS_Form / Rebar - Platform Pour #3	3	06-Nov-18	08-Nov-18	-392												
UMS.03.30.1343	UMS_Place Concrete - Platform Pour #3	1	09-Nov-18	09-Nov-18	-390												
UMS.03.30.1326	UMS_Shore & Set Soffit - Platform Pour #6	3	09-Nov-18	13-Nov-18	-358												
UMS.03.30.1334	UMS_Form / Rebar - Platform Pour #4	3	09-Nov-18	13-Nov-18	-392												
UMS.03.30.1344	UMS_Place Concrete - Platform Pour #4	1	14-Nov-18	14-Nov-18	-392												
UMS.03.30.1327	UMS_Shore & Set Soffit - Platform Pour #7	3	14-Nov-18	16-Nov-18	-358												
UMS.03.30.1335	UMS_Form / Rebar - Platform Pour #5	3	14-Nov-18	16-Nov-18	-361												
UMS.03.30.1345	UMS_Place Concrete - Platform Pour #5	1	19-Nov-18	19-Nov-18	-357												
UMS.03.30.1336	UMS_Form / Rebar - Platform Pour #6	3	19-Nov-18	21-Nov-18	-361												
UMS.03.30.1346	UMS_Place Concrete - Platform Pour #6	1	26-Nov-18	26-Nov-18	-359												
UMS.03.30.1337	UMS_Form / Rebar - Platform Pour #7	3	26-Nov-18	28-Nov-18	-361												
UMS.03.30.1347	UMS_Place Concrete - Platform Pour #7	1	29-Nov-18	29-Nov-18	-361												
<b>Structural Steel</b>																	
<b>Masonry</b>																	



Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2018												2019				2020				2021	
						Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2						
Mechanical		378	06-Mar-17 A	09-May-19	-381																						
Electrical		340	10-Jul-17 A	22-Jul-19	137																						
Electrical - Transportation		111	29-Mar-18 A	25-Mar-19	-348																						
Architectural Finishes		333	03-Jan-17 A	24-Jun-19	-405																						
Conveyances		116	11-Aug-18 A	29-Mar-19	-321																						
Stairs		177	26-Jul-18 A	07-May-19	-362																						
Startup & Testing		61	11-Apr-19	08-Jul-19	-400																						
No 13-Disp		1587	09-Jan-14 A	26-Aug-19	112																						
<b>Construction CTS Station P-1254R</b>						<b>1578</b>	<b>06-Sep-13 A</b>	<b>29-Jan-20</b>	<b>0</b>																		
<b>Preconstruction</b>						15	27-Aug-18	17-Sep-18	-186																		
<b>Site Work / Utility Relocation</b>						193	27-Aug-18	30-May-19	168																		
<b>Excavation &amp; Support</b>						110	17-Jul-18 A	08-Jan-19	-403																		
<b>Cavern Lining</b>						102	02-Apr-18 A	03-Nov-18	-381																		
<b>Platform Level</b>						102	02-Apr-18 A	03-Nov-18	-381																		
CTS.31.74.960	Install Waterproofing & Grout Pipes - Final Lining Invert -Cross Cut Cavern	5	02-Apr-18 A	31-Aug-18	-496																						
CTS.31.74.990	Install Waterproofing - Final Lining Arches - Crosscut Cavern	15	02-Apr-18 A	29-Sep-18	-496																						
CTS.31.74.1000	Install Rebar & Grout Piping - Final Lining Arches - Crosscut Cavern	15	04-Jun-18 A	29-Oct-18	-516																						
CTS.31.74.350	Shotcrete Final Lining Arches - Crosscut Cavern	20	21-Jun-18 A	03-Nov-18	-516																						
CTS.31.74.625	Install Rebar & Grout Piping - Final Lining Arches - Platform Cavern South	15	23-Jul-18 A	17-Oct-18	-516																						
CTS.31.74.940	Install Rebar -Final Lining Arches - Platform Cavern North	15	27-Aug-18	12-Sep-18	-516																						
CTS.31.74.870	Final Lining South Emergency Egress Tunnel	20	27-Aug-18	24-Sep-18	-341																						
CTS.31.74.550	Final Lining North Emergency Egress Tunnel	20	27-Aug-18	24-Sep-18	-361																						
CTS.31.74.970	Install Rebar - Final Lining Invert -Cross Cut Cavern	10	01-Sep-18	12-Sep-18	-496																						
CTS.31.74.980	Place Concrete - Final Lining Invert -Cross Cut Cavern	10	13-Sep-18	24-Sep-18	-496																						
CTS.31.74.950	Shotcrete - Final Lining Arches - Platform Cavern North	15	13-Sep-18	29-Sep-18	-516																						
CTS.31.74.635	Shotcrete - Final Lining Arches - Platform Cavern South	15	06-Oct-18	23-Oct-18	-516																						
<b>Concrete/Shotcrete</b>						193	16-Aug-18 A	14-May-19	-395																		
<b>Entrance Roof Level</b>						40	28-Feb-19	24-Apr-19	-405																		
<b>Surface Level</b>						14	25-Apr-19	14-May-19	-383																		
<b>Upper Mezz Level</b>						52	29-Nov-18	12-Feb-19	-403																		
<b>Lower Mezz Level</b>						64	26-Oct-18	29-Jan-19	-406																		
<b>Concourse Level</b>						68	16-Aug-18 A	21-Nov-18	-380																		
<b>Intermediate Strut Level</b>						69	02-Oct-18	10-Jan-19	-403																		
<b>Platform Level</b>						88	27-Aug-18	26-Dec-18	-405																		
CTS.03.30.640	F/R/P/S Walls Under Track Slab - Platform Cavern North	10	27-Aug-18	10-Sep-18	-367																						
CTS.03.30.670	Shore/Form/Rebar/Pour Track Slab - Platform Cavern North	10	04-Sep-18	17-Sep-18	-367																						
CTS.03.30.850	Concrete Stairs North Emergency Egress Tunnel	10	25-Sep-18	08-Oct-18	-361																						
CTS.03.30.785	Rebar/Form/ Pour Corbels & Walls - Crosscut Cavern	10	25-Sep-18	08-Oct-18	-406																						
CTS.03.30.660	Form/Rebar/Pour Platform Stem Walls - Platform Cavern North	15	01-Oct-18	19-Oct-18	-381																						
CTS.03.30.260	Pour Equipment Pads - Main Electrical & Traction Power Rooms	5	02-Oct-18	08-Oct-18	-343																						
CTS.03.3.0740	Form/Rebar/Pour Platform Slab - Platform Cavern North	15	08-Oct-18	26-Oct-18	-381																						
CTS.03.30.680	Form/Rebar/Pour Stair, Room & End Walls - Platform Cavern North	15	15-Oct-18	02-Nov-18	-381																						
CTS.07.13.120	CTS_PL - Install - Drain Mat & Waterproofing on Shotcrete Walls - Head House	10	16-Oct-18	29-Oct-18	-407																						
CTS.03.30.565	F/R/P/S Walls Under Track Slab - Platform Cavern South	15	17-Oct-18	06-Nov-18	-400																						
CTS.03.30.690	Form/Rebar/Pour Stair & Room Enclosure Lid - Platform Cavern North	15	22-Oct-18	09-Nov-18	-381																						
CTS.03.30.175	Form/Rebar/Pour/Strip -Perimeter Walls Platform Slab to Concourse Level	10	23-Oct-18	05-Nov-18	-407																						
CTS.03.30.600	Shore/Form/Rebar/Pour Track Slab - Platform Cavern South	15	24-Oct-18	13-Nov-18	-400																						
CTS.03.30.590	Form/Rebar/Pour Platform Stem Walls - Platform Cavern South	15	31-Oct-18	20-Nov-18	-400																						
CTS.03.30.760	Shore/Rebar/Form Pour Track Slab - Crosscut Cavern	15	05-Nov-18	27-Nov-18	-425																						
CTS.03.30.790	Form/Rebar/Pour Platform Slab - Platform Cavern South	15	09-Nov-18	03-Dec-18	-400																						
CTS.03.30.610	Form/Rebar/Pour Stair, Room & End Walls - Platform Cavern South	14	16-Nov-18	07-Dec-18	-400																						

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2018		2019				2020				2021		
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
CTS.03.30.620	Form/Rebar/Pour Stair & Room Enclosure Lid - Platform Cavern South	14	16-Nov-18	07-Dec-18	-400													
CTS.03.30.780	Rebar/Form/ Pour Platforms - Crosscut Cavern	20	19-Nov-18	18-Dec-18	-425													
CTS.03.30.920	Form/Rebar/Pour/Strip -Perimeter Walls Concourse Slab to Intermediate Level	10	26-Nov-18	07-Dec-18	-380													
CTS.03.30.770	Shore/Rebar/Form Pour Concourse Level Slab - Crosscut Cavern	15	05-Dec-18	26-Dec-18	-425													
<b>Under Platform Level</b>						31	27-Aug-18	08-Oct-18	-408									
<b>Structural Steel</b>						110	06-Aug-18 A	02-May-19	-387									
<b>Masonry</b>						92	09-Oct-18	19-Feb-19	-375									
<b>Mechanical</b>						161	05-Mar-18 A	21-May-19	-394									
<b>Misc Metal</b>						149	19-Nov-18	20-Jun-19	-409									
<b>Electrical</b>						181	30-Mar-18 A	12-Jun-19	-405									
<b>Electrical - Transportation</b>						76	26-Nov-18	13-Mar-19	-392									
<b>Architectural Finishes</b>						181	23-Oct-18	10-Jul-19	-392									
<b>Conveyances</b>						110	13-Feb-19	16-Jul-19	-439									
<b>Startup &amp; Testing</b>						30	16-Jul-19	26-Aug-19	-425									
<b>No 13-Disp</b>						1578	06-Sep-13 A	29-Jan-20	0									
<b>Construction YBM Station P-1255</b>						1571	18-Dec-13 A	26-Aug-19	112									
<b>Preconstruction</b>						15	27-Aug-18	17-Sep-18	-186									
<b>Excavation &amp; Support</b>						547	25-Apr-16 A	26-Oct-18	-240									
<b>Concrete/Shotcrete</b>						325	27-Mar-17 A	22-Feb-19	-320									
<b>Electrical</b>						221	08-Jan-18 A	21-Mar-19	-388									
<b>Concourse Level</b>						132	27-Aug-18	05-Mar-19	-364									
<b>Mezzanine Level</b>						204	15-Jan-18 A	12-Mar-19	-389									
YBM.26.24.1440	YBM_MZ 301 - Aux Elect Rm: Install - Emergency Ventilation Panel	2	15-Jan-18 A	19-Sep-18	-272													
YBM.26.24.0310	YBM_MZ 301 - Aux Elect Rm: Install - Elect Panel 3P (Rcpt)	2	18-Sep-18	19-Sep-18	-285													
YBM.26.12.620	YBM_MZ 301 - Aux Elect Rm: Install - Transformer T-8	5	18-Sep-18	24-Sep-18	-273													
YBM.26.24.1450	YBM_MZ 301 - Aux Elect Rm: Terminations - Emergency Ventilation Panel	2	20-Sep-18	21-Sep-18	-272													
YBM.26.24.1250	YBM_MZ 301 - Aux Elect Rm: Install - Elect Panel E3P (Rcpt,ARP,FACP)	2	20-Sep-18	21-Sep-18	-276													
YBM.26.24.0350	YBM_MZ 301 - Aux Elect Rm: Terminations - Elect Panel 3P (Rcpt)	5	20-Sep-18	26-Sep-18	-285													
YBM.26.24.1270	YBM_MZ 301 - Aux Elect Rm: Install - Elect Panel LCP3	2	24-Sep-18	25-Sep-18	-276													
YBM.26.24.1280	YBM_MZ 301 - Aux Elect Rm: Terminations - Elect Panel LCP3	2	26-Sep-18	27-Sep-18	-276													
YBM.26.24.1260	YBM_MZ 301 - Aux Elect Rm: Terminations - Elect Panel E3P	5	26-Sep-18	02-Oct-18	-279													
YBM.26.24.1580	YBM_MZ 306 -Staging Rm: Install - 4.16kv MCC-TV	10	16-Oct-18	29-Oct-18	-328													
YBM.26.24.0360	YBM_MZ 301 - Aux Elect Rm: Terminations - Elect Panel 3HL (Public Ltg, Spares)	5	19-Oct-18	25-Oct-18	-301													
YBM.26.24.0370	YBM_MZ 301 - Aux Elect Rm: Terminations - Elect Panel E3HL	5	29-Oct-18	02-Nov-18	-302													
YBM.26.24.0380	YBM_MZ 301 - Aux Elect Rm: Energize Panels	1	05-Nov-18	05-Nov-18	-302													
YBM.26.24.1600	YBM_MZ 306 -Staging Rm: Pull & Terminate TV Fan Feeders	10	19-Nov-18	04-Dec-18	-342													
YBM.26.24.1610	YBM_MZ 306 -Staging Rm: Energize - 4.16kv MCC-TV	10	27-Feb-19	12-Mar-19	-400													
<b>Platform Level</b>						205	08-Jan-18 A	27-Feb-19	-372									
YBM.26.24.1350	YBM_PL 207 - Aux Elect Rm: Install Raceway - Panelboard 1SHL	3	08-Jan-18 A	07-Sep-18	-245													
YBM.26.24.1320	YBM_PL 207 - Aux Elect Rm: Install - Panelboard 1SHP (NB/SB Tunnel Power - Future)	2	31-May-18 A	28-Aug-18	-238													
YBM.26.24.1190	YBM_PL 106 - Aux Elect Rm: Install - Panelboard E1NP (Receptacles)	2	06-Jun-18 A	25-Sep-18	-314													
YBM.26.24.1040	YBM_PL 106 - Aux Elect Rm: Install - Panelboard E1NHL (NB/SB Tunnel Lighting - Future)	2	08-Jun-18 A	25-Sep-18	-314													
YBM.26.24.1070	YBM_PL 207 - Aux Elect Rm: Install - Panelboard E1SP (Recptacles)	2	12-Jun-18 A	27-Sep-18	-259													
YBM.26.24.1220	YBM_PL 106 - Aux Elect Rm: Install - Panelboard 1NHP (NB/SN Tunnel - Future)	2	12-Jun-18 A	27-Sep-18	-314													
YBM.26.24.1310	YBM_PL 207 - Aux Elect Rm: Terminations - Panelboard 1SP1	3	27-Aug-18	29-Aug-18	-236													
YBM.34.05.0210	YBM_PL_Install Conduit PB02 to NB Feeder Box To PS01& PS05 (Traction Power)	5	04-Sep-18	10-Sep-18	-281													
YBM.34.05.0240	YBM_PL_Install Conduit NB Positive Feeder Box PS01 to PS04 (Traction Power)	5	04-Sep-18	10-Sep-18	-273													
YBM.34.05.0220	YBM_PL_Install Conduit SB Positive Feeder Box PS02 to PS06 (Traction Power)	5	04-Sep-18	10-Sep-18	-277													
YBM.26.24.1430	YBM_PL 207 - Aux Elect Rm: Terminations - Panelboard LCP-1S	3	18-Sep-18	20-Sep-18	-251													
YBM.26.24.1060	YBM_PL 106 - Aux Elect Rm: Terminations - Panelboard 1NP	3	24-Sep-18	26-Sep-18	-264													

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2018		2019				2020				2021	
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
YBM.26.24.1180	YBM_PL 106 - Aux Elect Rm: Terminations - Panelboard LCP-1N (Lighting Control)	3	24-Sep-18	26-Sep-18	-255												
YBM.34.05.0200	YBM_PL_Install Conduit PB01 to SB Feeder Boxes PS03 & PS06 (Traction Power)	5	25-Sep-18	01-Oct-18	-298												
YBM.26.24.1210	YBM_PL 106 - Aux Elect Rm: Terminations - Panelboard E1NP (Receptacles)	3	26-Sep-18	28-Sep-18	-257												
YBM.26.12.0660	YBM_IV 301-Main Electrical Rm: Install - Transformer T-4 & Disconnect Switch	2	01-Oct-18	02-Oct-18	-403												
YBM.26.24.1400	YBM_PL 207 - Aux Elect Rm: Terminations - Panelboard E1SHL	3	19-Oct-18	23-Oct-18	-274												
YBM.26.12.0630	YBM_PL 207 - Aux Elect Rm: Terminations - Transformer T-9 & Disconnect Switch	1	25-Oct-18	25-Oct-18	-296												
YBM.26.24.1100	YBM_PL 106 - Aux Elect Rm: Terminations - Panelboard 1NHL	3	29-Oct-18	31-Oct-18	-286												
YBM.26.24.1130	YBM_PL 106 - Aux Elect Rm: Terminations - Panelboard E1NHL	3	01-Nov-18	05-Nov-18	-286												
YBM.26.24.1150	YBM_PL 207 - Aux Elect Rm: Terminations - Panelboard E1SP	3	06-Nov-18	08-Nov-18	-286												
YBM.26.24.1360	YBM_PL 207 - Aux Elect Rm: Terminations - Panelboard 1SHP	3	07-Nov-18	09-Nov-18	-287												
YBM.26.24.1370	YBM_PL 207 - Aux Elect Rm: Terminations - Panelboard 1SHL	3	07-Nov-18	09-Nov-18	-287												
YBM.26.24.1240	YBM_PL 106 - Aux Elect Rm: Terminations - Panelboard 1NHP	3	07-Nov-18	09-Nov-18	-287												
YBM.34.22.0320	YBM_PL 001_Terminate NB Cable Positive Feeder Box PS05 (From PB-02)	2	04-Dec-18	05-Dec-18	-329												
YBM.34.22.0300	YBM_PL 001_Terminate SB Cable - Positive Feeder Box PS06 (From PB-01)	2	06-Dec-18	07-Dec-18	-331												
YBM.34.22.0280	YBM_PL 001_Terminate SB Cable - Positive Feeder Box PS02 to PS06	2	10-Dec-18	11-Dec-18	-333												
YBM.34.22.0310	YBM_PL 001_Terminate NB Cable - Positive Feeder Box PS01 (From PB-02)	2	12-Dec-18	13-Dec-18	-335												
YBM.34.22.0290	YBM_PL 001_Terminate NB Cable - Positive Feeder Box PS01 to PS04	2	14-Dec-18	17-Dec-18	-337												
YBM.34.22.0250	YBM_PL 001_Terminate SB Cable - Positive Feeder Box PS03 (From PB-01)	2	13-Feb-19	14-Feb-19	-378												
YBM.26.24.1570	YBM_PL 106 - Energize Aux Elect Rm Panelboards	1	27-Feb-19	27-Feb-19	-360												
YBM.26.11.0961	YBM_PL 207 - Aux Elect Rm: Energize Panelboards	1	27-Feb-19	27-Feb-19	-360												
<b>Under Platform Level</b>		<b>144</b>	<b>27-Aug-18</b>	<b>21-Mar-19</b>	<b>-376</b>												
<b>Electrical - Transportation</b>		<b>106</b>	<b>27-Aug-18</b>	<b>21-Jan-19</b>	<b>-345</b>												
<b>Conveyances</b>		<b>283</b>	<b>10-Jan-18 A</b>	<b>28-Mar-19</b>	<b>-381</b>												
<b>Startup &amp; Testing</b>		<b>61</b>	<b>22-Apr-19</b>	<b>17-Jul-19</b>	<b>-397</b>												
<b>No 13-Disp</b>		<b>1571</b>	<b>18-Dec-13 A</b>	<b>26-Aug-19</b>	<b>112</b>												
<b>Construction STS P-1256</b>		<b>1535</b>	<b>09-Jan-14 A</b>	<b>05-Nov-19</b>	<b>61</b>												
<b>Preconstruction</b>		<b>15</b>	<b>27-Aug-18</b>	<b>17-Sep-18</b>	<b>-186</b>												
<b>Concrete/Shotcrete</b>		<b>83</b>	<b>25-Jun-18 A</b>	<b>12-Nov-18</b>	<b>-271</b>												
<b>Tunnel Concrete</b>		<b>250</b>	<b>22-Jan-18 A</b>	<b>12-Jun-19</b>	<b>-388</b>												
<b>Platform Level</b>		<b>250</b>	<b>22-Jan-18 A</b>	<b>12-Jun-19</b>	<b>-388</b>												
STS.22.15.520	STS_Install 1" Water Line Below 4th/Brannan Platform	3	22-Jan-18 A	25-Oct-18	-229												
STS.22.15.530	STS_Install Ground Hydrants 4th/Brannan Station	3	22-Jan-18 A	25-Oct-18	-229												
STS.03.30.147S	STS_F/R/P SB Tunnel Walkway 2nd Lift & Wire Duct Moscone to Union Square - 1,950 LF	10	13-Mar-18 A	04-Feb-19	-407												
STS.03.30.142N	STS_F/R/P NB Tunnel Walkway 2nd Lift & Wire Duct Landing Moscone to Union Square - 1,950	10	28-Mar-18 A	07-Dec-18	-360												
STS.21.12.410	STS_Install NB Tunnel Walkway Deluge Piping - Tunnel Portal	3	26-Apr-18 A	29-Aug-18	-288												
STS.21.12.360	STS_Install SB Tunnel Walkway Deluge Piping - Tunnel Portal	3	26-Apr-18 A	02-Oct-18	-311												
STS.21.12.380	STS_Install NB Tunnel Walkway Deluge Piping - Moscone to Union Square - 1,950 LF	7	14-May-18 A	18-Dec-18	-358												
STS.05.50.530	STS_Install Sump Pumps Cover & Ladder - Passage #5	3	17-Jul-18 A	21-Feb-19	-378												
STS.21.12.330	STS_Install SB Tunnel Walkway Deluge Piping - Moscone to Union Square - 1,950 LF	7	02-Aug-18 A	13-Feb-19	-397												
STS.05.53.560	STS_Install NB Tunnel Drain Metal Grating - Tunnel Portal	3	27-Aug-18	29-Aug-18	-296												
STS.05.52.0135	STS_Install NB Tunnel Walkway Handrails - Tunnel Portal NB	5	27-Aug-18	31-Aug-18	-259												
STS.05.52.0120	STS_Install NB Tunnel Walkway Handrails - Portal to Moscone 1,300 LF	7	27-Aug-18	05-Sep-18	-261												
STS.03.30.131N	STS_F/R/P NB Tunnel Walkway 1st Lift/Standpipe Landing Union Square to China Town 2,422 LF	10	27-Aug-18	10-Sep-18	-312												
STS.07.80.0220	STS_Install NB Tunnel Walkway ARS Fire Blanket - Tunnel Portal	3	30-Aug-18	04-Sep-18	-288												
STS.05.53.540	STS_Install NB Tunnel Drain Metal Grating - Portal to Moscone 1,300 LF	5	30-Aug-18	06-Sep-18	-296												
STS.22.16.540	STS_Install NB Tunnel Walkway ARS Fire Blanket Metal Cover - Tunnel Portal	3	05-Sep-18	07-Sep-18	-286												
STS.07.80.0200	STS_Install NB Tunnel Walkway ARS Fire Blanket - Portal to Moscone 1,300 LF	5	05-Sep-18	11-Sep-18	-288												
STS.03.30.132N	STS_F/R/P NB Tunnel Walkway 2nd Lift & Wire Duct Union Square to China Town 2,422 LF	10	11-Sep-18	24-Sep-18	-312												
STS.22.16.550	STS_Install NB Tunnel Walkway ARS Fire Blanket Metal Cover - Portal to Moscone 1,300 LF	5	12-Sep-18	18-Sep-18	-288												
STS.05.52.190	STS_Install Handrails - Chinatown Crossover / Tunnel Interface	3	25-Sep-18	27-Sep-18	-277												



Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2018		2019				2020				2021	
						Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
STS.05.52.0100	STS_Install NB Tunnel Walkway Handrails - Union Square to China Town 2,422 LF	12	25-Sep-18	10-Oct-18	-286												
STS.05.53.610	STS_Install SB Tunnel Drain Metal Grating - Tunnel Portal	2	28-Sep-18	01-Oct-18	-324												
STS.05.52.0180	STS_Install SB Tunnel Walkway Handrails - Tunnel Portal SB	5	28-Sep-18	04-Oct-18	-289												
STS.05.53.590	STS_Install SB Tunnel Drain Metal Grating - Portal to Moscone 1,300 LF	3	02-Oct-18	04-Oct-18	-324												
STS.07.80.0270	STS_Install SB Tunnel Walkway ARS Fire Blanket - Tunnel Portal	3	03-Oct-18	05-Oct-18	-311												
STS.05.52.0160	STS_Install SB Tunnel Walkway Handrails - Portal to Moscone 1,300 LF	7	05-Oct-18	15-Oct-18	-289												
STS.07.80.0250	STS_Install SB Tunnel Walkway ARS Fire Blanket - Portal to Moscone 1,300 LF	5	08-Oct-18	12-Oct-18	-311												
STS.03.30.136S	STS_F/R/P SB Tunnel Walkway 1st Lift/Standpipe Landing Union Square to China Town 2,422 LF	10	17-Oct-18	30-Oct-18	-348												
STS.03.30.165S	STS_F/R/P SB Tunnel Inverts & Catch Basins - Chinatown Station to North Limit	5	24-Oct-18	30-Oct-18	-352												
STS.22.15.500	STS_Install SB Tunnel Drain Piping - Chinatown Station to North Limit	3	25-Oct-18	29-Oct-18	-351												
STS.21.12.350	STS_Install SB Tunnel Walkway Deluge Piping - Chinatown Station to North Limit	3	31-Oct-18	02-Nov-18	-309												
STS.03.30.166S	STS_F/R/P SB Tunnel Walkway 1st Lift/Standpipe Landing - Chinatown Station to North Limit	10	31-Oct-18	13-Nov-18	-352												
STS.03.30.137S	STS_F/R/P SB Tunnel Walkway 2nd Lift & Wire Duct Union Square to China Town 2,422 LF	10	31-Oct-18	13-Nov-18	-348												
STS.07.80.0260	STS_Install SB Tunnel Walkway ARS Fire Blanket - Chinatown Station to North Limit	3	05-Nov-18	07-Nov-18	-309												
STS.05.52.260	STS_Install "In-Between" Car Barrier - 4th/Brannan Station	10	13-Nov-18	28-Nov-18	-251												
STS.21.12.320	STS_Install SB Tunnel Walkway Deluge Piping - Union Square to China Town 2,422 LF	8	14-Nov-18	27-Nov-18	-337												
STS.03.30.167S	STS_F/R/P SB Tunnel Walkway 2nd Lift & Wire Duct - Chinatown Station to North Limit	10	14-Nov-18	29-Nov-18	-352												
STS.05.52.0140	STS_Install SB Tunnel Walkway Handrails - Union Square to China Town 2,422 LF	12	14-Nov-18	03-Dec-18	-322												
STS.07.80.0230	STS_Install SB Tunnel Walkway ARS Fire Blanket - Union Square to China Town 2,422 LF	8	28-Nov-18	07-Dec-18	-337												
STS.05.52.0170	STS_Install SB Tunnel Walkway Handrails - Chinatown Station to North Limit	3	30-Nov-18	04-Dec-18	-323												
STS.05.52.200	STS_Install Handrails - Union Square Station / Tunnel Interface	3	10-Dec-18	12-Dec-18	-329												
STS.05.52.210	STS_Install Handrails - Moscone Station / Tunnel Interface	3	10-Dec-18	12-Dec-18	-329												
STS.05.53.530	STS_Install NB Tunnel Drain Metal Grating - Moscone to Union Square - 1,950 LF	7	10-Dec-18	18-Dec-18	-360												
STS.05.52.0110	STS_Install NB Tunnel Walkway Handrails - Moscone to Union Square - 1,950 LF	10	10-Dec-18	21-Dec-18	-336												
STS.21.12.370	STS_Install NB Tunnel Walkway Deluge Piping - Union Square to China Town 2,422 LF	8	17-Dec-18	27-Dec-18	-366												
STS.07.80.0190	STS_Install NB Tunnel Walkway ARS Fire Blanket - Moscone to Union Square - 1,950 LF	7	19-Dec-18	28-Dec-18	-358												
STS.05.53.520	STS_Install NB Tunnel Drain Metal Grating - Union Square to China Town 2,422 LF	8	19-Dec-18	31-Dec-18	-360												
STS.07.80.0180	STS_Install NB Tunnel Walkway ARS Fire Blanket - Union Square to China Town 2,422 LF	8	28-Dec-18	09-Jan-19	-366												
STS.22.16.530	STS_Install NB Tunnel Walkway ARS Fire Blanket Metal Cover - Moscone to Union Square - 1,950 LF	7	31-Dec-18	09-Jan-19	-358												
STS.22.16.520	STS_Install NB Tunnel Walkway ARS Fire Blanket Metal Cover - Union Square to China Town 2,422 LF	8	10-Jan-19	21-Jan-19	-358												
STS.22.16.590	STS_Install SB Tunnel Walkway ARS Fire Blanket Metal Cover - Tunnel Portal	3	14-Jan-19	16-Jan-19	-375												
STS.22.16.600	STS_Install SB Tunnel Walkway ARS Fire Blanket Metal Cover - Portal to Moscone 1,300 LF	5	17-Jan-19	23-Jan-19	-375												
STS.22.15.450	STS_Install NB Tunnel Drain Piping - Chinatown Station to North Limit	3	23-Jan-19	25-Jan-19	-397												
STS.03.30.160N	STS_F/R/P NB Tunnel Invert & Catch Basins - Chinatown Station to North Limit	5	23-Jan-19	29-Jan-19	-399												
STS.03.30.161N	STS_F/R/P NB Tunnel Walkway 1st Lift/Standpipe Landing - Chinatown Station to North Limit	10	30-Jan-19	12-Feb-19	-399												
STS.05.53.580	STS_Install SB Tunnel Drain Metal Grating - Moscone to Union Square - 1,950 LF	7	05-Feb-19	13-Feb-19	-407												
STS.05.52.0150	STS_Install SB Tunnel Walkway Handrails - Moscone to Union Square - 1,950 LF	10	05-Feb-19	18-Feb-19	-375												
STS.03.30.162N	STS_F/R/P NB Tunnel Walkway 2nd Lift & Wire Duct - Chinatown Station to North Limit	10	13-Feb-19	26-Feb-19	-399												
STS.07.80.0240	STS_Install SB Tunnel Walkway ARS Fire Blanket - Moscone to Union Square - 1,950 LF	7	14-Feb-19	22-Feb-19	-397												
STS.05.53.570	STS_Install SB Tunnel Drain Metal Grating - Union Square to China Town 2,422 LF	8	14-Feb-19	25-Feb-19	-407												
STS.22.14.520	STS_Install Sump Pumps Cross Passage #5	3	19-Feb-19	21-Feb-19	-378												
STS.22.16.580	STS_Install SB Tunnel Walkway ARS Fire Blanket Metal Cover - Moscone to Union Square - 1,950 LF	7	25-Feb-19	05-Mar-19	-397												
STS.05.53.600	STS_Install SB Tunnel Drain Metal Grating - Chinatown Station to North Limit	3	26-Feb-19	28-Feb-19	-407												
STS.05.52.180	STS_Install Handrails - Chinatown Station / Tunnel Interface	3	27-Feb-19	01-Mar-19	-384												
STS.21.12.400	STS_Install NB Tunnel Walkway Deluge Piping - Chinatown Station to North Limit	3	27-Feb-19	01-Mar-19	-390												
STS.05.53.550	STS_Install NB Tunnel Drain Metal Grating - Chinatown Station to North Limit	3	27-Feb-19	01-Mar-19	-392												
STS.05.52.0130	STS_Install NB Tunnel Walkway Handrails - Chinatown Station to North Limit	3	27-Feb-19	01-Mar-19	-384												
STS.07.80.0210	STS_Install NB Tunnel Walkway ARS Fire Blanket - Chinatown Station to North Limit	3	04-Mar-19	06-Mar-19	-390												
STS.22.16.570	STS_Install SB Tunnel Walkway ARS Fire Blanket Metal Cover - Union Square to China Town 2,422 LF	8	06-Mar-19	15-Mar-19	-397												
STS.22.16.560	STS_Install NB Tunnel Walkway ARS Fire Blanket Metal Cover - Chinatown Station to North Limit	3	07-Mar-19	11-Mar-19	-390												



Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2018		2019				2020				2021	
						Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
STS.22.16.610	STS_Install SB Tunnel Walkway ARS Fire Blanket Metal Cover - Chinatown Station to North Limit	3	18-Mar-19	20-Mar-19	-397												
STS.05.52.220	STS_Install Handrails & Gates - 4th/Brannan Station	10	18-Mar-19	29-Mar-19	-336												
STS.09.30.230	STS_Install Accent Tiles - 4th/Brannan Station	10	05-Apr-19	18-Apr-19	-370												
STS.09.30.250	STS_Install Directional Tiles - 4th/Brannan Station	10	19-Apr-19	02-May-19	-370												
STS.09.62.240	STS_Install Tactile Warning Strip - 4th/Brannan Station	10	30-May-19	12-Jun-19	-388												
<b>Structural Steel</b>		15	26-Oct-18	15-Nov-18	-401												
<b>Electrical</b>		154	18-Sep-18	25-Apr-19	-370												
<b>Upper Mezz Level</b>		6	18-Mar-19	25-Mar-19	-357												
<b>Lower Mezz Level</b>		15	20-Feb-19	12-Mar-19	-338												
<b>Intermediate Strut Level</b>		17	11-Dec-18	04-Jan-19	-348												
<b>Mezzanine Level</b>		7	18-Sep-18	26-Sep-18	-275												
<b>Platform Level</b>		7	17-Apr-19	25-Apr-19	-370												
<b>Electrical - Transportation</b>		43	10-Dec-18	06-Feb-19	-402												
<b>Trackwork</b>		438	20-Jun-17 A	03-May-19	-370												
<b>Track System Work</b>		1235	06-Apr-15 A	05-Nov-19	-366												
<b>Startup &amp; Testing</b>		79	25-Apr-19	15-Aug-19	-422												
<b>No 13-Disp</b>		1436	09-Jan-14 A	26-Aug-19	112												
<b>Unallocated Contingency</b>		366	27-Aug-18	12-Feb-20	-283												

## *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 4<sup>th</sup> 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%
<b>Total</b>	<b>\$648.460</b>	<b>\$1,588.000</b>	<b>\$2,236.460</b>	<b>100.0%</b>

*All amounts in millions of dollars*

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

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

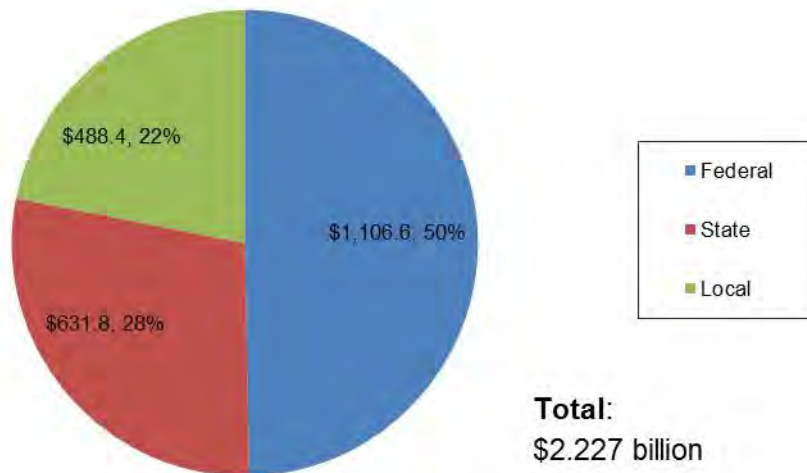


## Funding Overview - continued

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

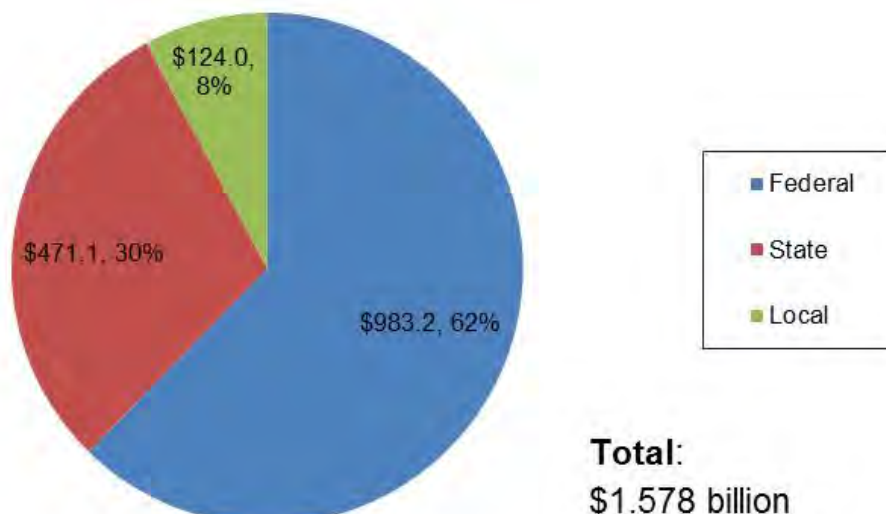
### Third Street Light Rail Transit Project Funding

Phase 1 + Phase 2  
(\$ in millions)



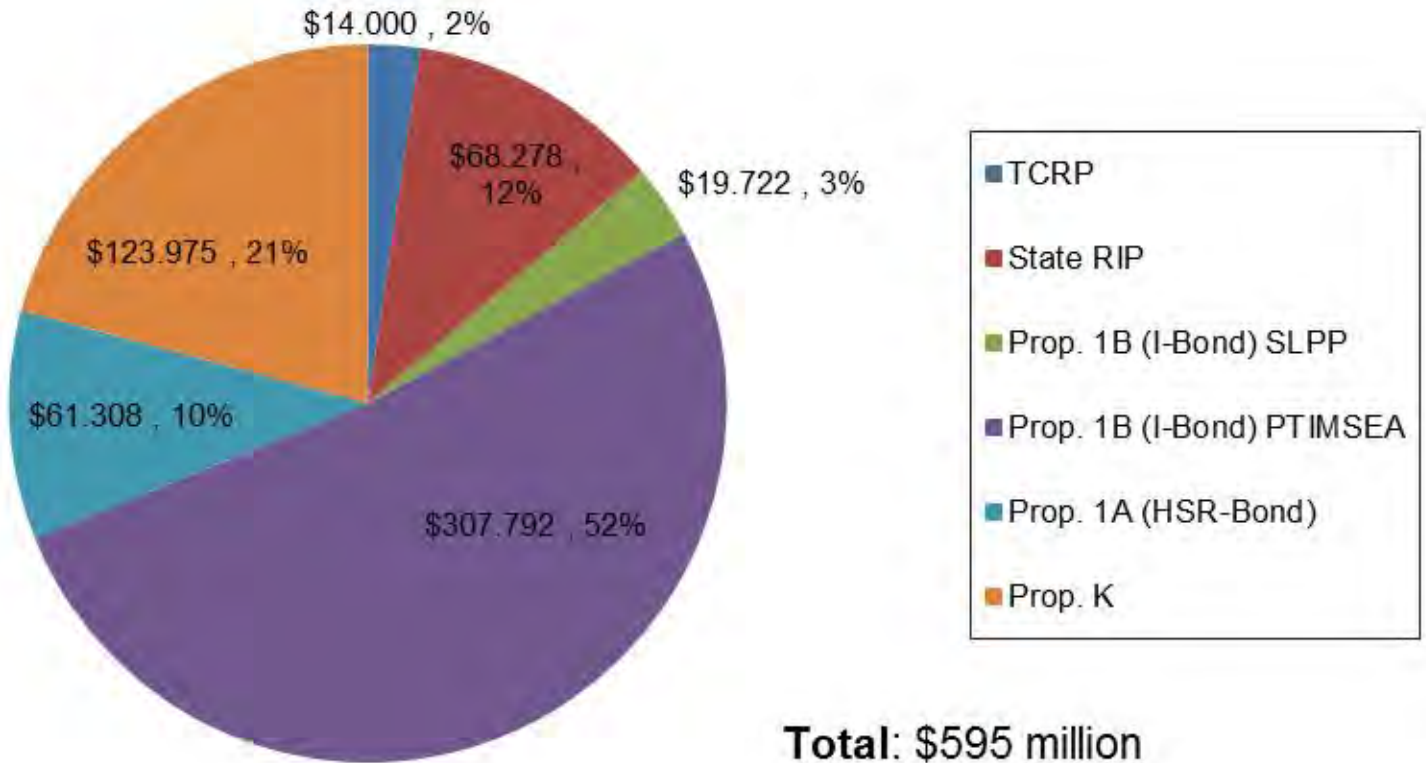
### Central Subway Project Funding

Phase 2  
(\$ in millions)



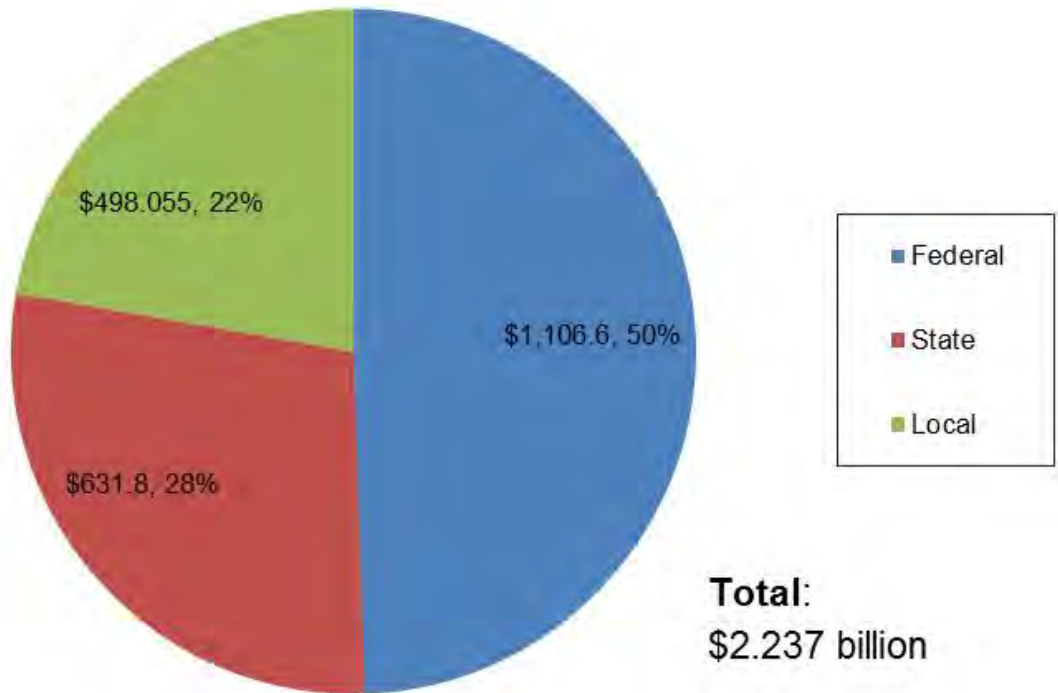
# State and Local Funding

Phase 2  
(\$ in millions)



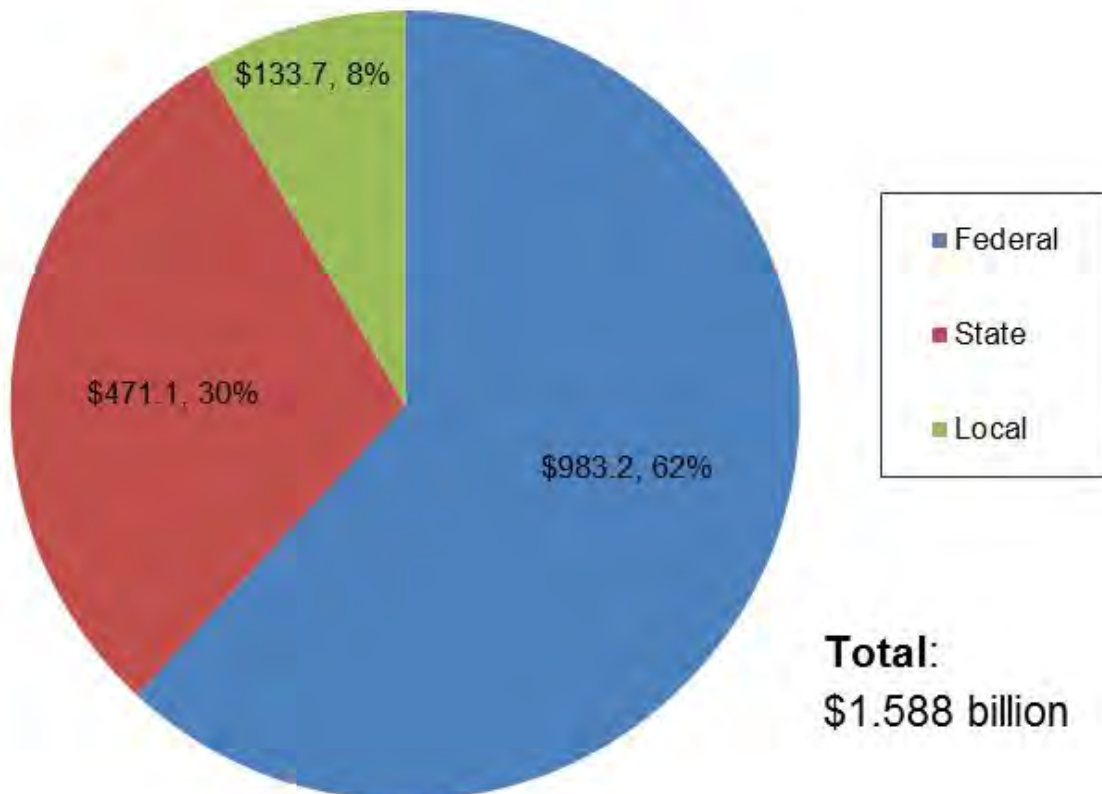
## Third Street Light Rail Transit Project Funding

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

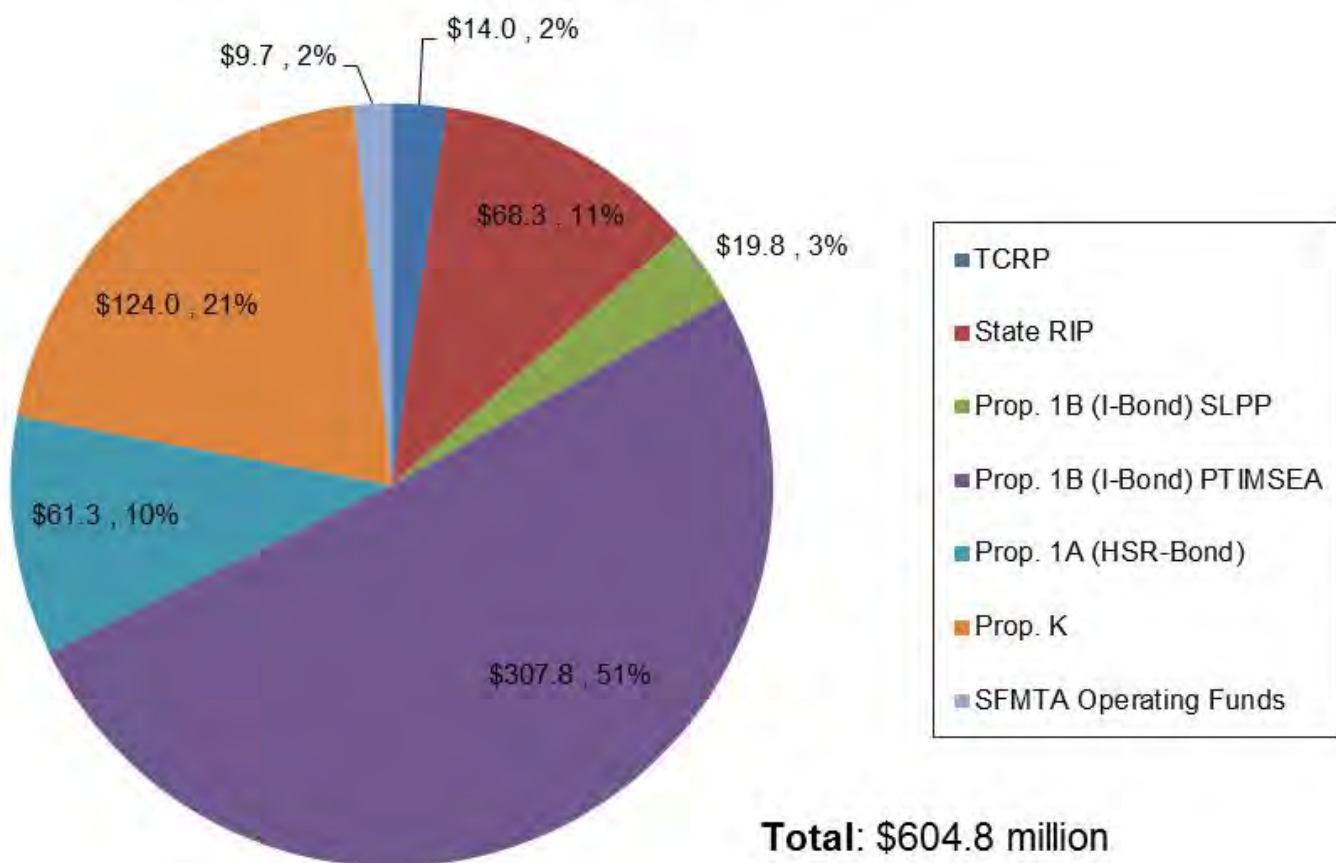


## Central Subway Project Funding

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



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





*Appendix D*

**COMPLETED CONTRACTS**

# Moscone Station and Portal Utility Relocation

**Contract 1250**

Contractor: Synergy Project Management, Inc.

## Budget/Expenditures

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

## Contract Details

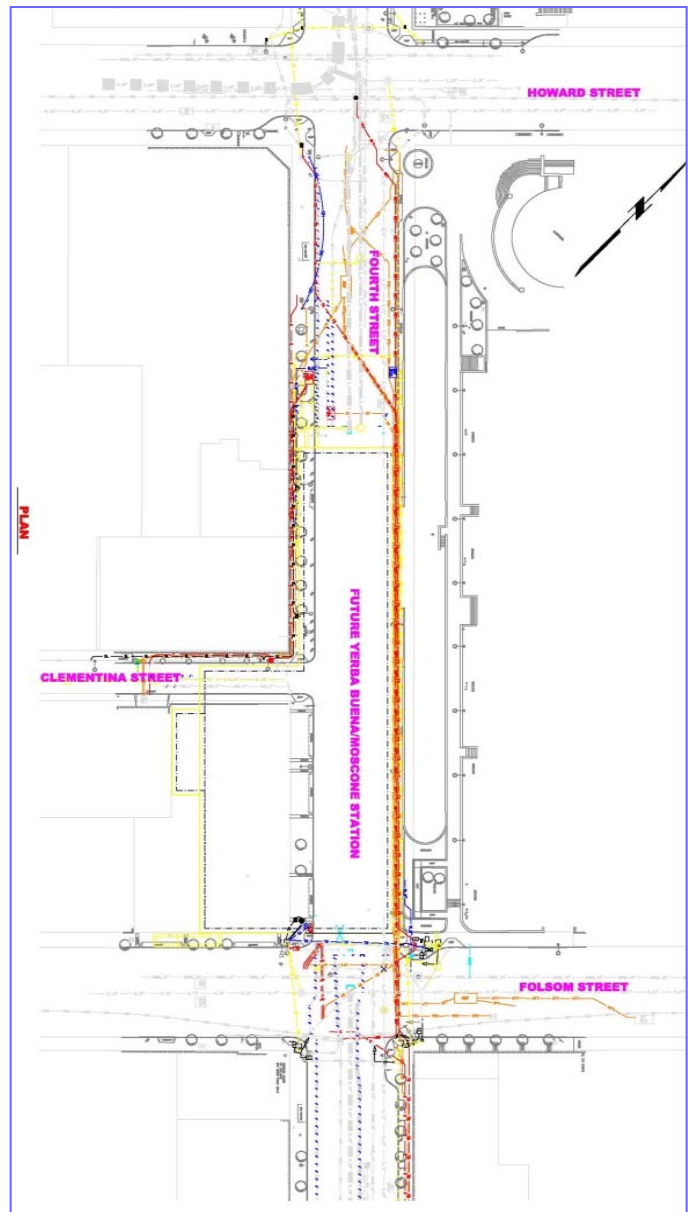
<b>Contract Awarded:</b>	November 17, 2009
<b>Notice to Proceed:</b>	January 4, 2010
<b>Substantial Completion:</b>	June 23, 2011
<b>Contract Award Value:</b>	\$ 9,273,939
<b>Modifications Final :</b>	\$ 2,694,211
<b>Final Contract Value:</b>	\$11,968,150

## Status

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

## Description

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



# Union Square/Market Street Station Utility Relocation

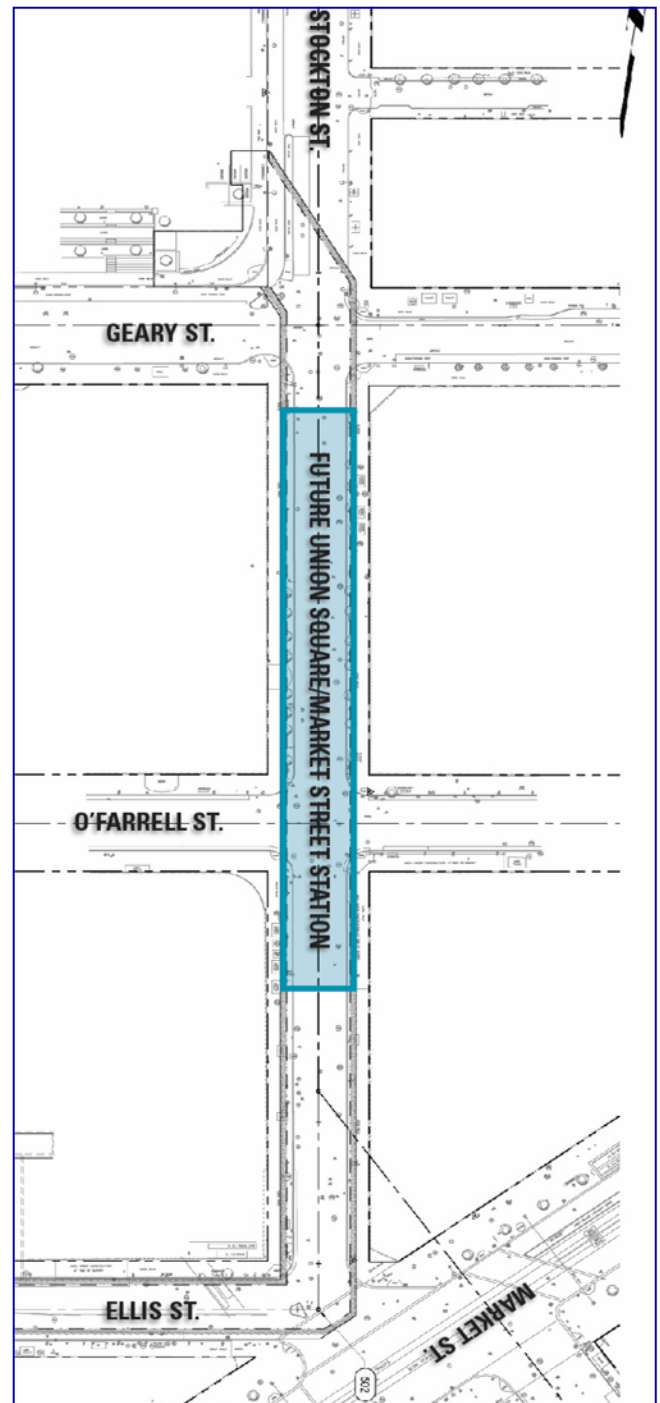
**Contract 1251**

Contractor: Synergy Project Management, Inc.

Budget/Expenditures	
Category	Amount
Original Budget	\$22,199,847
Expenditures Final	\$20,699,081
Utility Reimbursements	(7,413,510)
Final Program Costs	\$13,176,169
<b>Budget Impact (Underrun)</b>	<b>(\$9,023,678)</b>

## Description

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



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

## Status

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

# Central Subway Pagoda Palace Demolition

Contract 1277 Contractor: MH Construction

## Work Description

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

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

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

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





# Central Subway Tunneling

Contract 1252 Contractor: Barnard Impregilo Healy Joint Venture

## Description of Work

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

## Status

- Final Completion Date: May 15, 2015
- Administrative closeout in progress

Budget/Expenditures	
Category	Amount
Current Budget	\$235,913,500
Other Project Budget	\$5,150,000
Other Offset Credits	\$1,312,101
<b>Expenditures to Date</b>	<b>\$233,589,322</b>

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:	\$7,825,155
Current Contract Value:	\$241,409,170



## *Appendix E*

### **SBE PARTICIPATION**

Quarterly Report

Current Report: April 2018 – June 2018

**PROGRAM SUPPORT CONTRACTS – SBE PARTICIPATION**

Appendix E presents the Central Subway Program Small Business Enterprise or SBE goals and the actual SBE participation achieved to date – as of June 30, 2018.<sup>1</sup>

**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 2018**  
**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)	
<b>A Project Professional Services Contracts</b>			millions		millions		millions	millions		
1	149	CS Partnership	Project Management	\$85.14	30%	\$67.01	32.4%	\$25.54	\$21.70	31.4%
2	156	Hill International	Project Controls Task 1	\$17.11	26%	\$10.00	30.0%	\$4.45	\$3.00	26.0%
3	155-1	PB Telemon	Tunnels Design	\$7.94	30%	\$7.90	30.2%	\$2.38	\$2.39	31.6%
4	155-2	CS Design Group	Stations Design	\$37.05	30%	\$41.49	31.6%	\$11.12	\$13.11	36.4%
5	155-3	HNTB, Inc. - B&C	Systems, Track & Surface Station Design	\$17.23	30%	\$15.14	25.8%	\$5.17	\$3.91	30.0%
<b>Subtotal Professional Services</b>				<b>\$164.48</b>		<b>\$141.55</b>		<b>\$48.66</b>	<b>\$44.10</b>	
<b>B Project Construction Contracts</b>			millions		millions		millions	millions		
1	1250	Synergy Inc	Utility Relocation 1	\$11.97	20%	\$11.97	97.2%	\$2.39	\$11.63	96.4%
2	1251	Synergy Inc	Utility Relocation 2	\$20.79	20%	\$20.79	87.4%	\$4.16	\$18.18	94.9%
3	1252	BIH	Tunnels and Portal - in Construction	\$241.29	6%	233.59	5.8%	\$14.48	\$13.51	6.1%
4	1277	MH Construction	Pagoda Demolition	\$0.65	100%	\$0.65	100.0%	\$0.65	\$0.65	100.0%
5	1300	Tutor-Perini	Stations/Track/Systems - in Construction	847.40	20%	\$620.09	21.3%	\$169.48	\$132.37	25.5%
<b>Subtotal Construction Contracts</b>				<b>\$1,122.11</b>		<b>\$887.09</b>		<b>\$191.16</b>	<b>\$176.33</b>	
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.

<sup>1</sup> 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”).

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 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 construction 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 30.0% 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 #54, June 2018, SFMTA SBE FORM No. 6.
- g) The SBE SFMTA goal for Contract 1277 MH Construction was based on an SBE set-aside.

### **SBE Participation Details**

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



## Active Professional Services Contracts - SBE Participation Details

As of: 6/30/2018

<b>Contract:</b>	<b>Project Management and Construction management</b>	
<b>Contract No.</b>	<b>CS-149 Central Subway Partnership*</b>	
<b>Status:</b>	On-going	
	Base Contract Value	\$85,139,092
	Approved Change Orders	-0-
	Current Contract Value	\$85,139,092
	Expended to Date (est.)	\$67,013,727
	% Expended	78.7%
	SBE SFMTA Goal	30.0%
	SBE Participation	32.4%
<b>Contract:</b>	<b>Project Controls Cost and Schedule Support</b>	
<b>Contract No.</b>	<b>CS 156 Hill International Task 1*</b>	
<b>Status:</b>	On-going	
	Base Contract Value	\$17,112,873
	Approved Change Orders	-0-
	Current Contract Value	\$17,112,873
	Expended to Date (est.)	\$9,996,954
	% Expended	58.4%
	SBE SFMTA Goal	26.0%
	SBE Participation	30.0%
<b>Contract:</b>	<b>Design Package 1 for CNs 1250, 1251 and 1252 Tunnels</b>	
<b>Contract No.</b>	<b>CS-155-1 PB / Telemon*</b>	
<b>Status:</b>	Design is completed. Construction support ongoing	
	Base Contract Value	\$5,795,000
	Approved Change Orders (7)	\$2,145,159
	Current Contract Value	\$7,940,159
	Expended to Date (est.)	\$7,904,713
	% Expended	99.6%
	SBE SFMTA Goal	30.0%
	SBE Participation	30.2%
<b>Contract:</b>	<b>Design Package 2 for 1253 UMS, 1254 CTS, 1255 YBM Stations.</b>	
<b>Contract No.</b>	<b>CS-155-2 Central Subway Design Group*</b>	
<b>Status:</b>	Design is completed. Construction support ongoing	
	Base Contract Value	\$39,949,948
	Approved Change Orders (4)	\$7,950,658
	Current Contract Value	\$47,900,606
	Expended to Date (est.)	\$41,490,186
	% Expended	86.6%
	SBE SFMTA Goal	30.0%
	SBE Participation	31.6%
<b>Contract:</b>	<b>DP 3 Systems, Track work, Surface station.</b>	
<b>Contract No.</b>	<b>CS-155-3 HNTB-B&amp;C*</b>	
<b>Status:</b>	Design is completed. Construction support ongoing	
	Base Contract Value	\$16,864,250
	Approved Change Orders (6)	\$1,637,474
	Current Contract Value	\$18,501,724
	Expended to Date (est.)	15,140,016.55
	% Expended	81.8%
	SBE SFMTA Goal	30.0%
	SBE Participation	25.8%

\* denote accrual

## Active and Completed Construction Contracts - SBE Participation Details

Data as of: 6/30/2018

<b>Contract:</b>	<b>Synergy Inc Utility Relocation 1 YBM &amp; Launch Box</b>	
<b>Contract No.</b>	<b>1250</b>	
<b>Status:</b>	<b>Contract is completed and closed out</b>	
	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%
<b>Contract:</b>	<b>Synergy Inc Utility Relocation 2 UMS</b>	
<b>Contract No.</b>	<b>1251</b>	
<b>Status:</b>	<b>Contract is completed and closed out</b>	
	Base Contract Value	\$16,832,550
	Approved Change Orders	3,836,531
	Final Contract Value	\$20,699,081
	% Expended	100%
	SBE SFMTA Goal	20.0%
	SBE Participation To Date	87.4%
<b>Contract:</b>	<b>Pagoda Palace Demolition / MH Construction</b>	
<b>Contract No.</b>	<b>1277</b>	
<b>Status:</b>	<b>Contract is completed and closed out</b>	
	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%
<b>Contract:</b>	<b>Tunnels Barnard/Impregilo/Haley</b>	
<b>Contract No.</b>	<b>1252</b>	
<b>Status:</b>	Construction is underway and ongoing	
	Base Contract Value	\$233,584,015
	Approved Change Orders	\$7,825,155
	Current Contract Value	\$241,409,170
	Expended to Date (est.)	\$233,589,322
	% Expended	96.8%
	SBE SFMTA Goal	6.0%
	SBE Participation To Date	5.8%
<b>Contract:</b>	<b>Stations and Systems / Tutor Perini</b>	
<b>Contract No.</b>	<b>1300</b>	
<b>Status:</b>	Construction is underway and ongoing	
	Base Contract Value	\$839,676,400
	Approved Change Orders	\$8,991,245
	Current Contract Value	\$848,667,645
	Expended to Date (est.)	\$620,093,438
	% Expended	73.1%
	SBE SFMTA Goal	20.0%
	SBE Participation To Date	21.3%

Photos on the next page:

In June 2018, the yellow waterproofing and blue gasket stripes line the length of the Chinatown track crossover cavern. At Union Square/Market Street Station, construction of the station platform continues. At Yerba Buena/Moscone Station, the southern portion of the headhouse roof slab was recently poured. Finally, a view from the tunnel emergency walkway inside the southbound tunnel at STS station.

# central subway

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