

## Transmittal

CS Transmittal No. 2525


<b>To:</b> Jeff Davis FTA, TRO-9 90 Seventh Street, Suite 15-300 San Francisco, CA 94103-6701	<b>From:</b> Albert Hoe	<b>Project No./Contract No.:</b> M544.1, CSP
	<b>Task No./Title:</b> Cost/Schedule Management	
	<b>Project Phase:</b> Construction	
<b>Date:</b> May 23, 2018	<b>Subject:</b> Monthly Progress Report April 2018	

<b>Sent via:</b>	<input type="checkbox"/> mail	<input type="checkbox"/> overnight	<input type="checkbox"/> messenger	<input type="checkbox"/> hand-delivered
	<input type="checkbox"/> fax – No:		<input checked="" type="checkbox"/> email – Address:	<a href="mailto:jeffrey.s.davis@dot.gov">jeffrey.s.davis@dot.gov</a>
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<input type="checkbox"/> reference material	<input type="checkbox"/> acceptance/approval	<input type="checkbox"/> other		
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Item No.	Copies	Description	Rev. No.	Date
1	1	Monthly Progress Report (April 2018)	0	05/23/2018

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

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

  
 Albert Hoe  
 Program Director (Acting)  
 AH: dl

cc:

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# central subway

## Union Square Interiors

The last of temporary bracing is removed from the platform level, and construction of the station platform has begun.



## Progress Report

April 2018



SFMTA

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**Cover photo:** A team of workers fabricate a hoist atop temporary bracing on the mezzanine level at the south end of the Union Square/Market Street station box. The last of the temporary bracing at lower levels of the station is being removed, to facilitate construction of wale encasement beams, and the construction of interior floors and walls. **More photos can be found starting on page 36.**

**Above photos:** Mayor Mark Ferrell answers questions inside the Chinatown Station platform cavern, following the end of excavation work, there. The Mayor, SFMTA Director Ed Reiskin, SFMTA Board Chair Carol Brinkman, and Central Subway Program Director Albert Hoe were on hand to tour the work site.

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.centralsubwaysf.com/>



*Men pass long strands of rebar to each other during construction of the massive rebar cages for the Yerba Buena/Moscone Station headhouse roof.*

## Executive Summary

**Chinatown Station** - Completed concrete placement of Crossover Cavern invert slab. Continued installing rebar and placing concrete for invert slab at both North and South Platform Caverns. Continued applying waterproofing at Crosscut Cavern. Continued installing rebar for invert slab at Headhouse. Continued street work (minor), ongoing monitoring and surveying.

**Union Square/Market Street Station** - Platform Station: Removed temporary struts and wales. Continued construction of wale encasements at Mezzanine and Concourse levels. Installed “Scalloped Walls” at Platform Strut and Platform levels. Emergency exit stairs 3 and 4: Continued construction of pile caps and roof. North Concourse: Continued placing fireproofing for struts and roof beams at Concourse levels. Installed CMU walls at Concourse Level. Continued construction for Stair 1 at North Entrance. South Concourse: Continued construction for escalator ramp walls. Ellis Street: Continued sidewalk restoration work at Ellis Street.

**Yerba Buena/Moscone Station** - Continued to replace the force main and AWSS at 4th & Howard. Continued to install new AWSS at 4th and Folsom. Completed F/R/P of Stair 4 roof deck. 75% completed on electrical rough-in for light fixtures on Mezzanine—Station box. Poured Stair 1 pans. 65% completed on electrical rough-in on Concourse ceiling—Station Box. Ceiling mockup made for Concourse ceiling—Station box. Continued F/R/P of seismic joints (Station Platform). Continued installing CMU walls and supports at Stair 1 (Station Platform). Continued installing Stair 3 (Station Platform). Continued installing CMU walls and supports at Stair 4 (Station Platform). Continued installing Elevators 1 and 2 (Station Platform). Completed installing Escalators 1 and 2 (Station Platform). Continued sealing leaks in Headhouse Invert. Continued moving and installing electrical equipment in Main Electrical Room and Traction Power Room (Headhouse Invert). 20% completed on electrical rough-in on Headhouse-Invert Walls. Continued F/R/P equipment pads in Headhouse-Invert. Began installing duct work and fire sprinklers in Traction Power room. Continued F/R/P Headhouse-Concourse columns. Began installing CMU walls and plumbing carriers in Headhouse Concourse. Completed demo of temp walls and F/R/P pilasters at Headhouse-Mezzanine. Continued F/R/P deck at Headhouse-Undersurface. Began F/R/P of up-turn beams and installing MEP in deck at Headhouse-Undersurface.

**Surface, Track and Systems**— Completed 4th/Brannan surface station foundation slab. Started 4th/Brannan surface station platform walls. Continued electrical conduit installation inside tunnel. Started pulling traction power cables on 4th Street.

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

Total project costs to date are \$1,206.33 million, an increase of \$11.64 million over last month. The total cost to date equals 76.43% 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 shows no recordable accident took place this month. The rates of work site accident incidents by the man hours worked continue to be below industry standards - see tables on page 32.



# Key Milestones

## Chinatown Track Crossover Cavern Invert Construction



1. Crews install waterproofing against the outer walls of the cavern shell



2 Rebar cages are constructed atop the waterproofing

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	February 28, 2018



3 Crews pour concrete and remove the formwork as they go



# 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 \$1,206.33 million, a \$11.64 million increase over last month. The cost to date figure reflects expenditures through FAMIS 786 Report (\$1,165.45 million) plus the utilities joint trench Form B Reimbursement payment (\$11.27 million), invoices currently being processed (\$27.85 million) and estimates of outstanding pay requests (\$1.79 million). This incurred amount equals 76.43% of the total project budget of \$1.578 billion.

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

## Earned Value Analysis

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

### Preliminary April Earned Value

Overall Budgeted Cost:	\$1,578,300,000
Planned Value:	\$1,518,305,821
Earned Value:	\$1,213,975,733
Actual Cost:	\$1,206,332,258
Schedule Performance Index (SPI):	0.80
Cost Performance Index (CPI):	1.01
Percent Complete:	76.9%

\*April 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

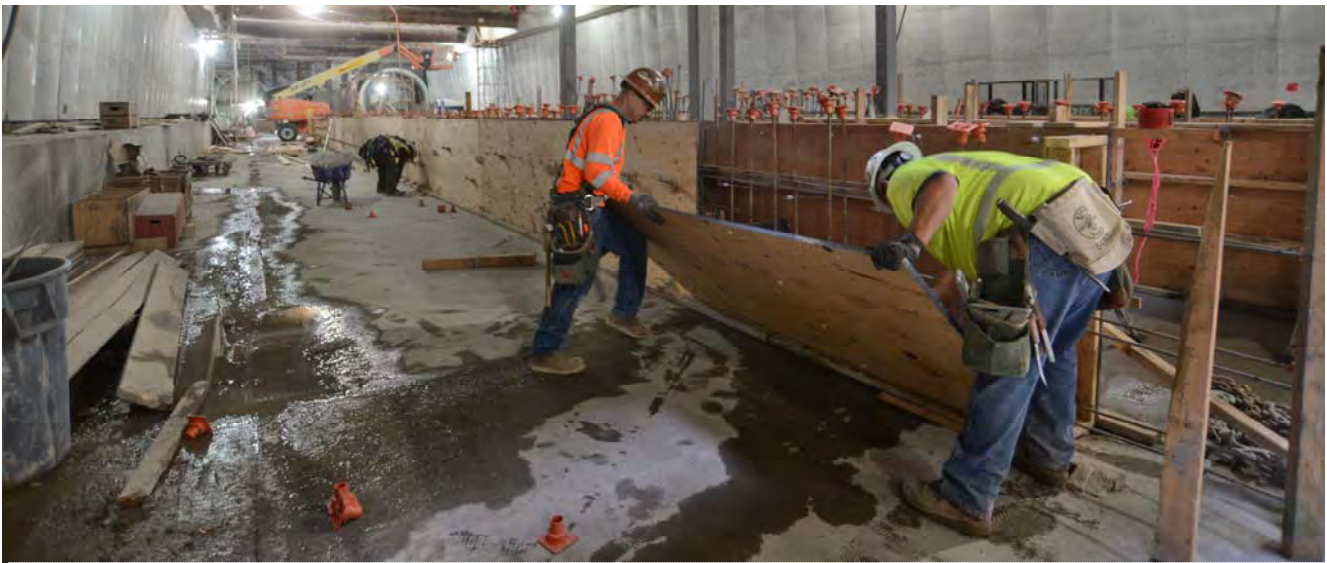
The Master Project Schedule (MPS) below includes progress through April 2018. The April 2018 Schedule Update submittal from Contract 1300 Contractor was not submitted as the CN1300 Contractor has not provided the updated corrections to their June, through February 2018 Schedule Updates. The Contract 1300 schedule represented in this report is based on the SFMTA April 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 30 days of delay in April with a new forecasted Revenue Service Date of 14 January 2020.

Contract 1300 Contractor submitted thirty eight (38) Schedule Updates from December 2014 to February 2018. SFMTA rejected twenty three (23) Schedule Updates from January 2016 to April 2016 and June 2016 to January 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.



Concrete forms are going in to construct foundation walls of the Union Square/Market Street Station platform.

# Schedule Highlights - Continued

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

The Contractor, Tutor Perini Corporation's (TPC) baseline schedule is incorporated into the master program schedule. The preliminary SFMTA Contract 1300 April 2018 schedule is used within the April Report. The SFMTA Contract 1300 April 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 concrete placement of Crossover Cavern invert slab
- Continued installing rebar and placing concrete for invert slab at both North and South Platform Caverns
- Continued applying waterproofing at Crosscut Cavern
- Continued installing rebar for invert slab at Headhouse
- Continued street work (minor), ongoing monitoring and surveying

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

- Platform Station: Removed temporary struts and wales. Continued construction of wale encasements at Mezzanine and Concourse levels. Installed "Scalloped Walls" at Platform Strut and Platform levels
- Emergency exit stairs 3 and 4: Continued construction of pile caps and roof
- North Concourse: Continued placing fireproofing for struts and roof beams at Concourse levels. Installed CMU walls at Concourse Level. Continued construction for Stair 1 at North Entrance
- South Concourse: Continued construction for escalator ramp walls
- Ellis Street: Continued sidewalk restoration work at Ellis Street

### **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 to install new AWSS at 4<sup>th</sup> and Folsom
- Completed F/R/P of Stair 4 roof deck
- 75% completed on electrical rough-in for light fixtures on Mezzanine – Station box
- Poured Stair 1 pans
- 65% completed on electrical rough-in on Concourse ceiling – Station box
- Ceiling mockup made for Concourse ceiling – Station box
- Continued F/R/P of seismic joints (Station Platform)
- Continued installing CMU walls and supports at Stair 1 (Station Platform)
- Continued installing Stair 3 (Station Platform)
- Continued installing CMU walls and supports at Stair 4 (Station Platform)
- Continued installing Elevators 1 and 2 (Station Platform)

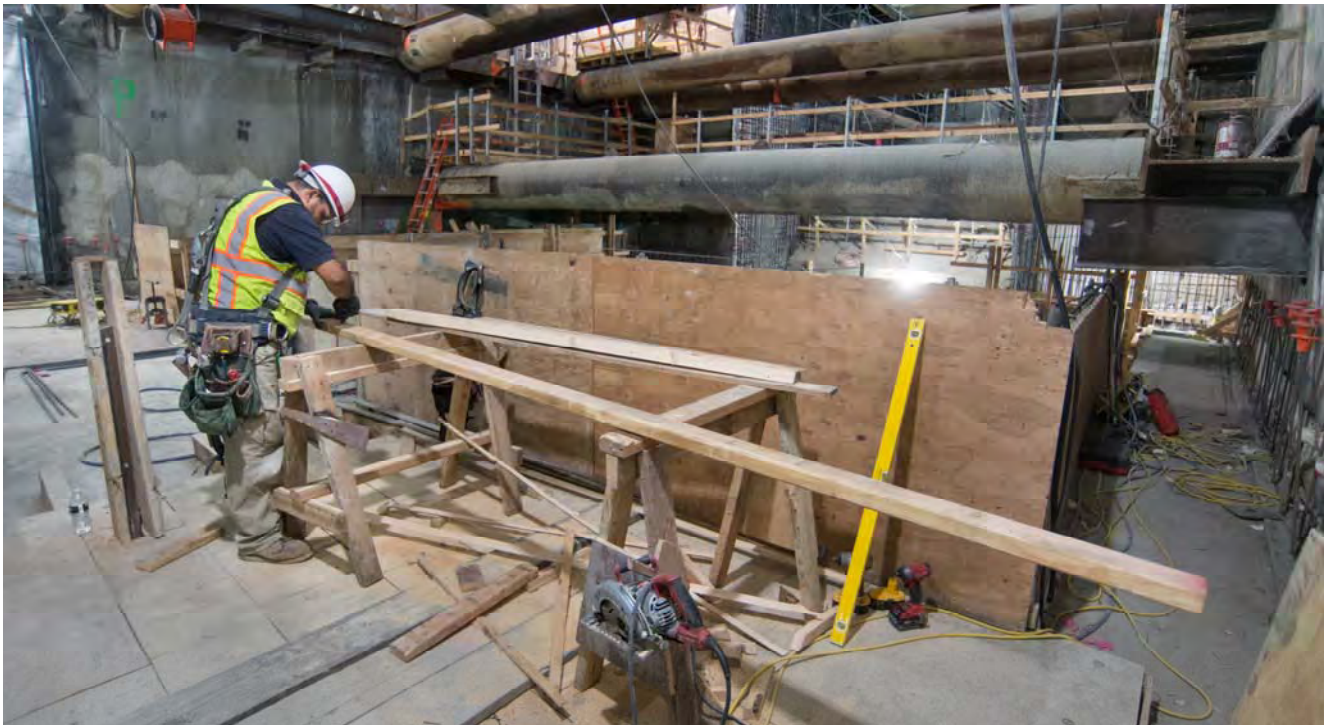


## Schedule Highlights - Continued

- Completed installing Escalators 1 and 2 (Station Platform)
- Continued sealing leaks in Headhouse Invert
- Continued moving and installing electrical equipment in Main Electrical Room and Traction Power Room (Headhouse Invert)
- 20% completed on electrical rough-in on Headhouse-Invert Walls
- Continued F/R/P equipment pads in Headhouse-Invert
- Began installing duct work and fire sprinklers in Traction Power room
- Continued F/R/P Headhouse-Concourse columns
- Began installing CMU walls and plumbing carriers in Headhouse Concourse
- Completed demo of temp walls and F/R/P pilasters at Headhouse-Mezzanine
- Continued F/R/P of deck at Headhouse-Undersurface
- Began F/R/P of upturn beams and installing MEP in deck at Headhouse-Undersurface

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

- Completed 4<sup>th</sup>/Brannan surface station foundation slab
- Started 4<sup>th</sup>/Brannan surface station platform walls
- Continued electrical conduit installation inside tunnel
- Started pulling traction power cables on 4<sup>th</sup> Street



***A carpenter works a long 2x4 as part of concrete form construction at the south headwall of the Union Square/Market Street Station.***

# Master Project Schedule

Activity ID	Activity Name	Original Start Duration	Finish	2018				2019				2020			
				Q.1	Q.2	Q.3	Q.4	Q.1	Q.2	Q.3	Q.4	Q.1	Q.2	Q.3	
<b>CENTRAL SUBWAY PROJECT</b>															
<b>Program Level Milestones</b>															
PJ1000	Central Subway Project Start	4549	03-Jun-03 A	10-Nov-20											
MS00044	Tunnel Excavation Complete - Project Milestone #44	4396	03-Jun-03 A	14-Jan-20											
MS00019	Baseline Finish Date: 12-26-2018	0	03-Jun-03 A	05-Sep-14 A											
MS00009	CSP Revenue Services Date	0	03-Jun-03 A	14-Jan-20*											
<b>Preliminary Engineering Phase</b>															
<b>Final Design</b>															
	Light Rail Vehicles	2551	03-Jun-03 A	07-Jan-10 A											
	Real Estate	1811	08-Jun-10 A	17-Jun-13 A											
	Construction Phase	2382	15-Apr-13 A	01-Nov-19											
	Construction Support and Costs	3130	01-Aug-08 A	26-Apr-18											
	Construction Utility Contract #1- MOS & Portal CN-1250	2630	04-Jan-10 A	10-Nov-20											
	Construction Utility Contract #2 - UMS CN-1251	3229	04-Jan-10 A	10-Nov-20											
	Construction Tunnels CN-1252	585	04-Jan-10 A	23-May-11 A											
	Construction CN-1300	643	12-Jan-11 A	15-Oct-12 A											
	CN-1300 Milestone	1518	08-Jun-11 A	26-Apr-18											
	Construction UMS Station P-1253	1704	03-Jun-13 A	29-Dec-19											
	Construction CTS Station P-1254R	1704	17-Jun-13 A	27-Jul-19											
	Construction YBM Station P-1255	1703	17-Jun-13 A	29-Dec-19											
	Construction STS P-1256	1651	10-Jun-13 A	29-Jul-19											
	Project Start Up	1647	03-Jun-13 A	10-Oct-19											
	Unallocated Contingency	172	26-Jul-19	14-Jan-20											
CO1.700	Cost Activity Unallocated Contingency (LOE) - 1.7.500.00.000.00 - Contingency	429	26-Apr-18	14-Jan-20											
		429	26-Apr-18	14-Jan-20											

SFMTA Central Subway Project Master Project Schedule Summary Schedule - April 2018													
Required Revenue Services Date: 26-Dec-18 Data Date: 26-Apr-18													



*Small pieces of connecting rebar used during transport are cut and removed as large gauge strands are put into place for future headhouse roof reinforcing.*

## Contracts & Construction

### Construction Contracts In Progress

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

- Contractor: Tutor - Perini Corporation
- Amount: \$848.04 million
- Contract Status: 70.53% complete construction

### Contracts Completed

[See Appendix D](#)

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

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

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

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

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



# Stations, Surface, Track and Systems

Contract 1300 Contractor: Tutor-Perini Corporation

## Description of Work

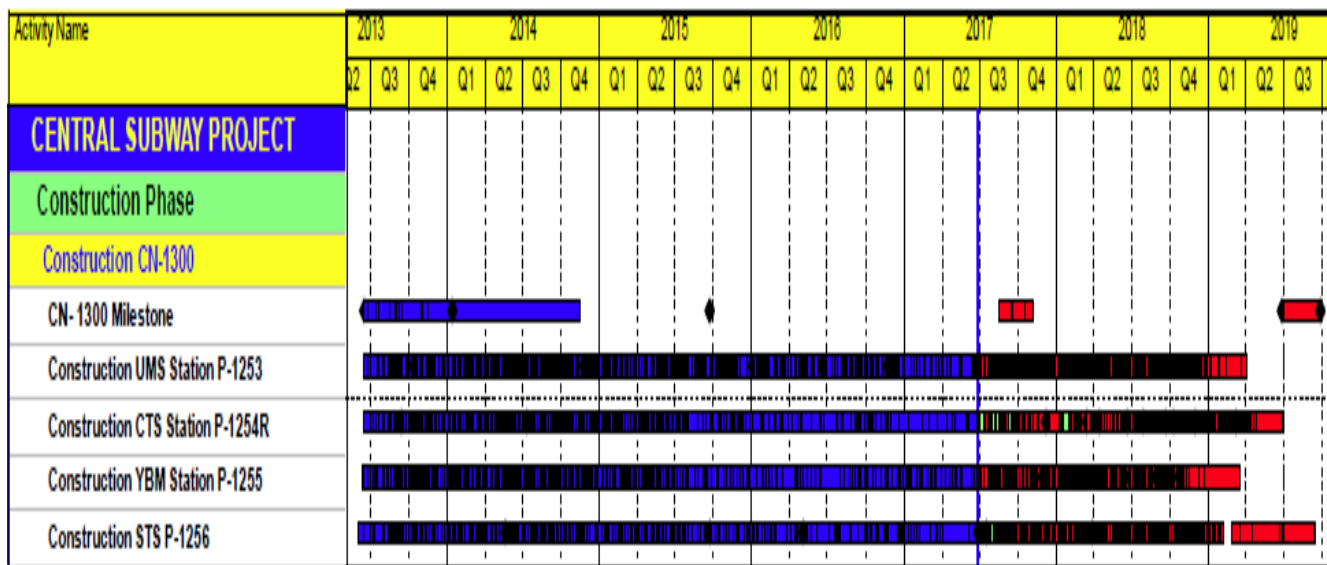
The Contract 1300 scope is to construct the Central Subway's three subway stations, one surface station, construct the 2,000 feet of surface track, and install track and operating systems throughout the new alignment. The separate station and systems work packages are presented in the following pages.

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

Contract Details	
Contract Awarded:	May 21, 2013
Notice to Proceed:	June 17, 2013
Substantial Completion:	February 28, 2018
Contract Award Value:	\$839,676,400
Modifications to Date (\$):	\$8,359,907
Modifications to Date (Days):	18
Current Contract Value:	\$848,036,307

Budget/Expenditures▲	
Current Budget	\$879,676,400
Other Project Offset Credits	\$3,123,097
Expenditures to Date	\$606,994,288

## 1300 Summary Schedule



# Chinatown Station

## Contract 1300 - Work Package 1254R



### Current Work Status

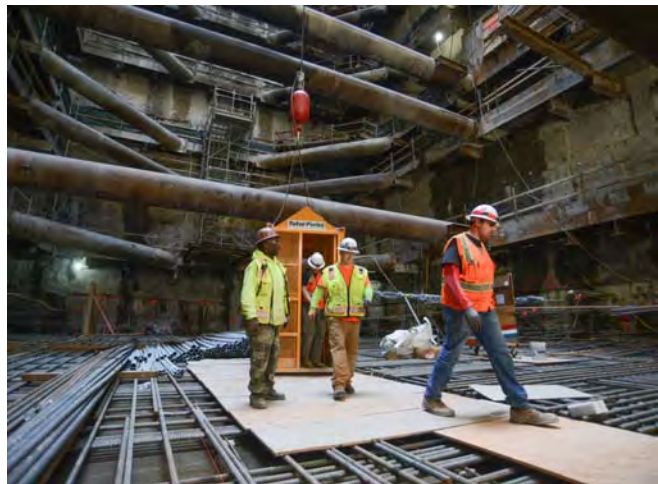
- Completed concrete placement of Crossover Cavern invert slab
- Continued installing rebar and placing concrete for invert slab at both North and South Platform Caverns
- Continued applying waterproofing at Crosscut Cavern
- Continued installing rebar for invert slab at Headhouse
- Continued street work (minor), ongoing monitoring and surveying

### Work Expected Next Month

- Applying waterproofing at Crossover Cavern arches
- Final lining concrete placement of Crossover Cavern arches
- Applying waterproofing at both North and South Platform Cavern arches
- Final lining concrete placement at both North and South Platform Cavern arches
- Complete concrete placement of invert slab at HeadHouse

### Description of Work

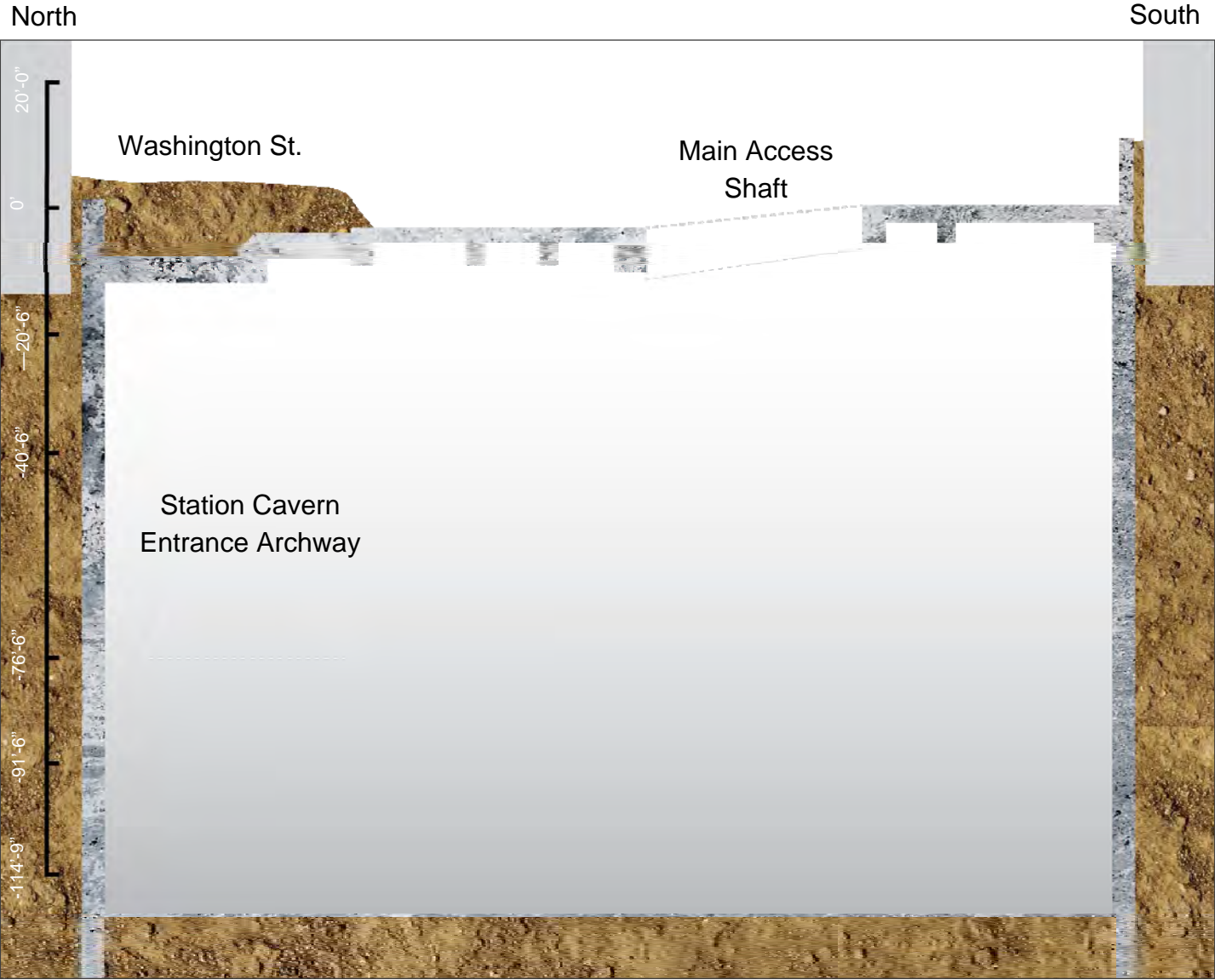
This Work Package is to construct one subway station. Includes station finishes, AC and DC Traction Power substations elevators, escalators, lighting, emergency ventilation fans, HVAC fire alarm/ suppression/ protection, slurry wall top-down construction, settlement monitoring, building protection, PA,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



### Three Month Look Ahead

- Complete Crosscut Cavern waterproofing
- Complete Cavern Final Lining
- Construct Under Platform and Platform levels

### Station Excavation and Construction Progress Section

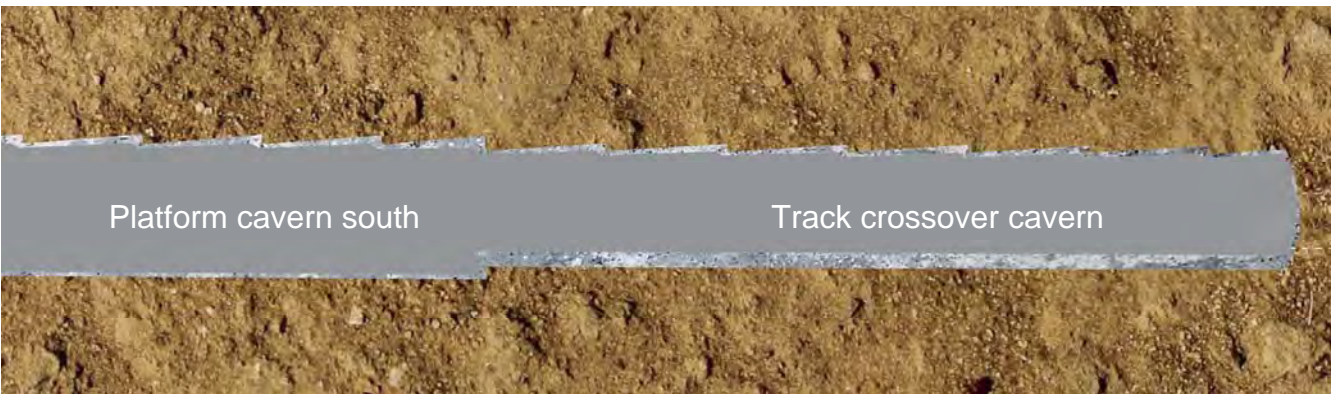
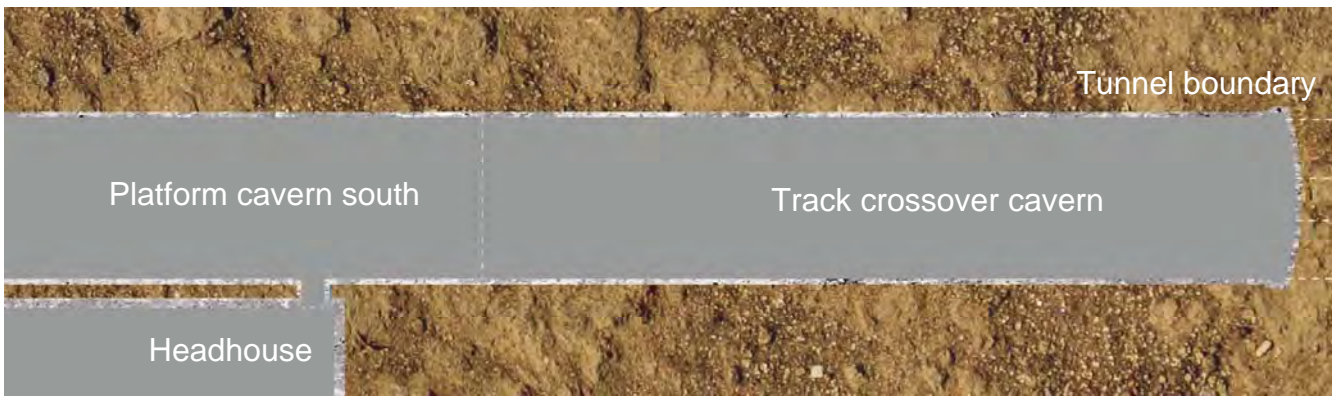
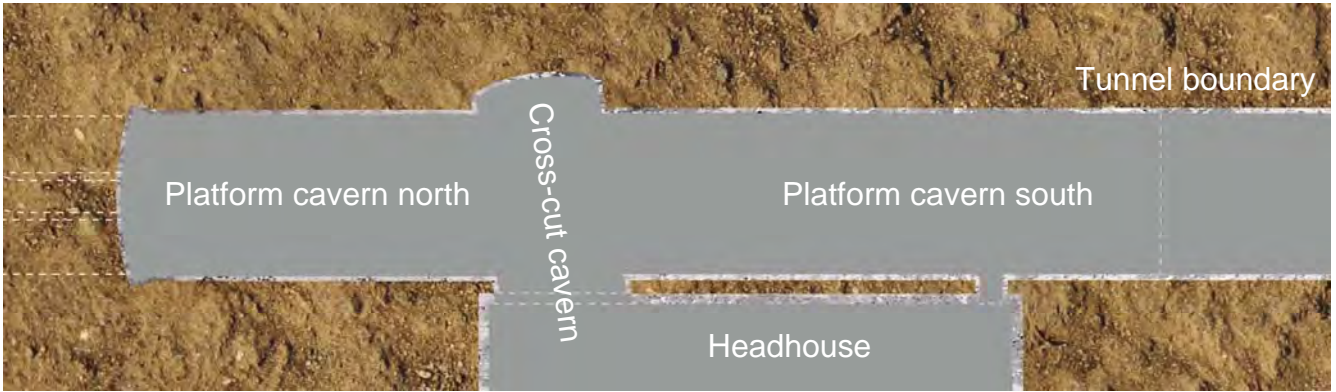




**Station Cavern Excavation Progress Plan and Section**

North

South

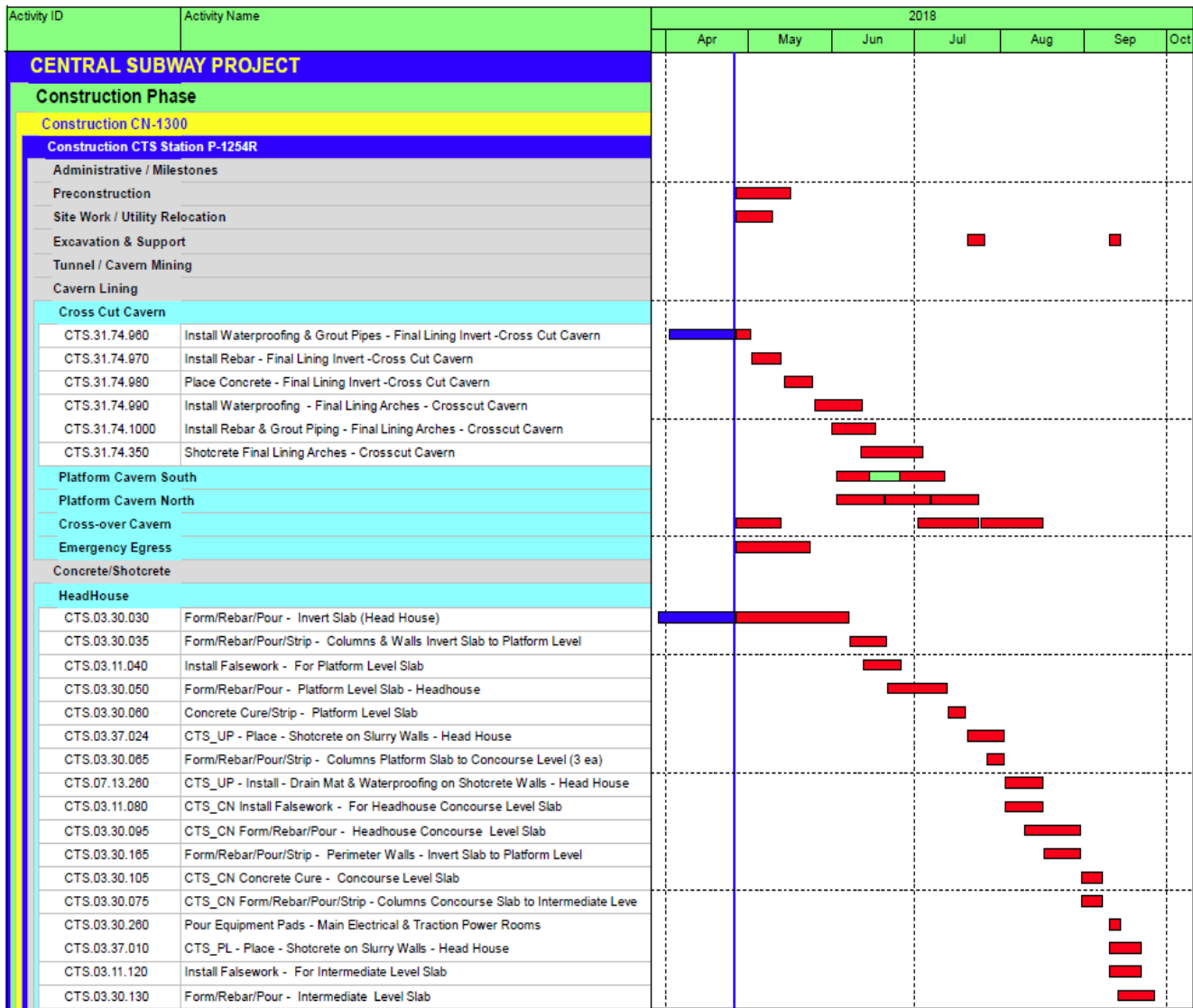


# Chinatown Station Construction Status - Continued

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>February 28, 2018</b>
<b>Contract Award Value:</b>	<b>\$247,567,810</b>
<b>Modifications to Date (\$):</b>	<b>\$2,964,460</b>
<b>Modifications to Date (Days):</b>	<b>18</b>
<b>Current Contract Value:</b>	<b>\$250,532,270</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>\$175,287,758</b>

## CTS Three Month Schedule





# Union Square/Market Street Station

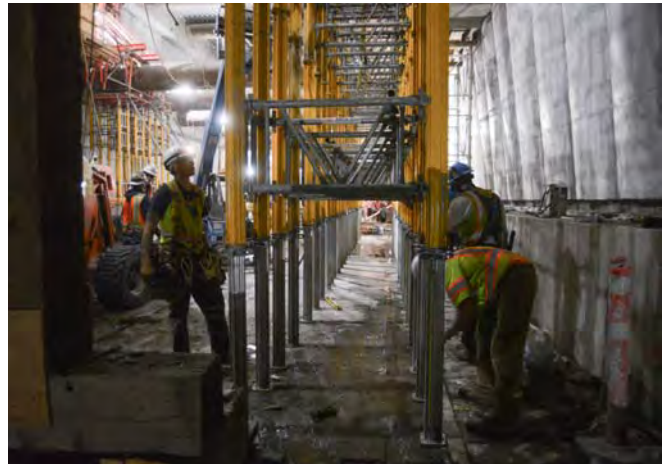
Contract 1300 Work Package 1253

## Description of Work

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

## Current Status This Month

- Platform Station: Removed temporary struts and wales. Continued construction of wale encasements at Mezzanine and Concourse levels. Installed “Scalloped Walls” at Platform Strut and Platform levels
- Emergency exit stairs 3 and 4: Continued construction of pile caps and roof
- North Concourse: Continued placing fire-proofing for struts and roof beams at Concourse levels. Installed CMU walls at Concourse Level. Continued construction for Stair 1 at North Entrance
- South Concourse: Continued construction for escalator ramp walls
- Ellis Street: Continued sidewalk restoration work at Ellis Street



- Ellis Street: Complete sidewalks and traffic signals at intersection of Stockton Street
- O’Farrell St.: Complete structural work at Emergency exit stairs 3 and 4. Work on completing utility work, and street and sidewalk restoration

## Work Expected Next Month

- Platform Station: Install North Headwall Mezzanine Level Cast-in-Place Wale. Continue removal of temporary struts & wales. Install CMU Walls. Complete installation of “Scalloped Walls” at Platform Strut level and walls at Platform level. Continue construction of wale encasements at Intermediate Strut Level and Concourse Levels. Install metal deck at Mezzanine level and Intermediate Strut Level
- North Concourse: Continue construction of Stair 1 at the North Entrance
- South Concourse: Continue construction for South escalator walls and wing walls. Commence assembly of escalators

## Three Month Look Ahead

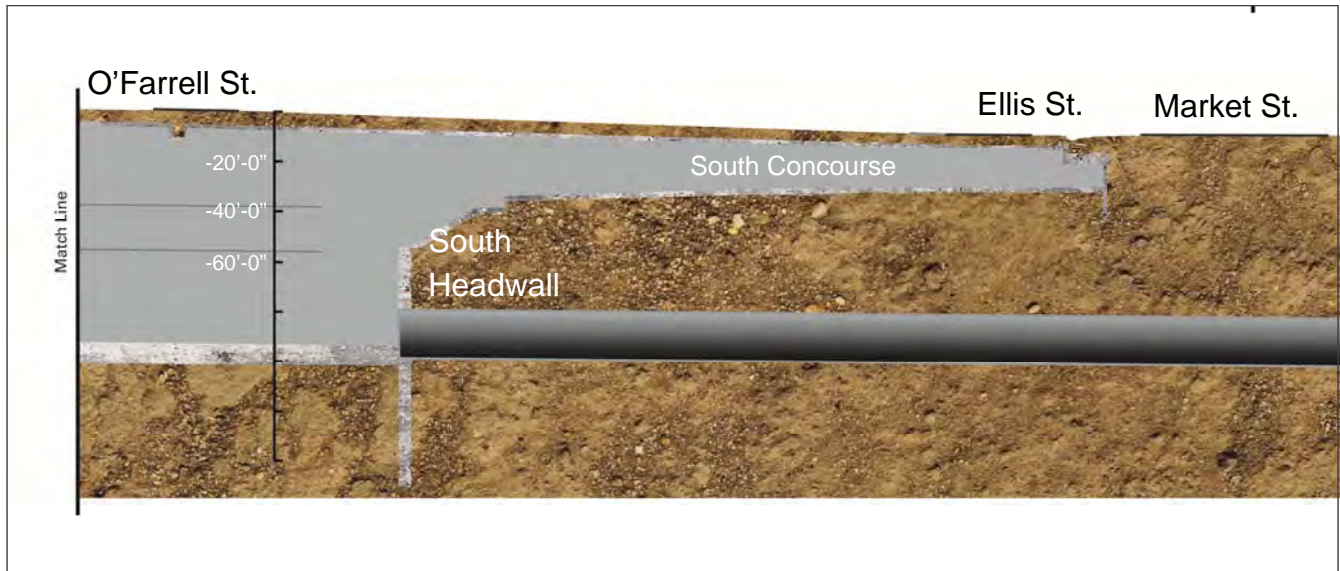
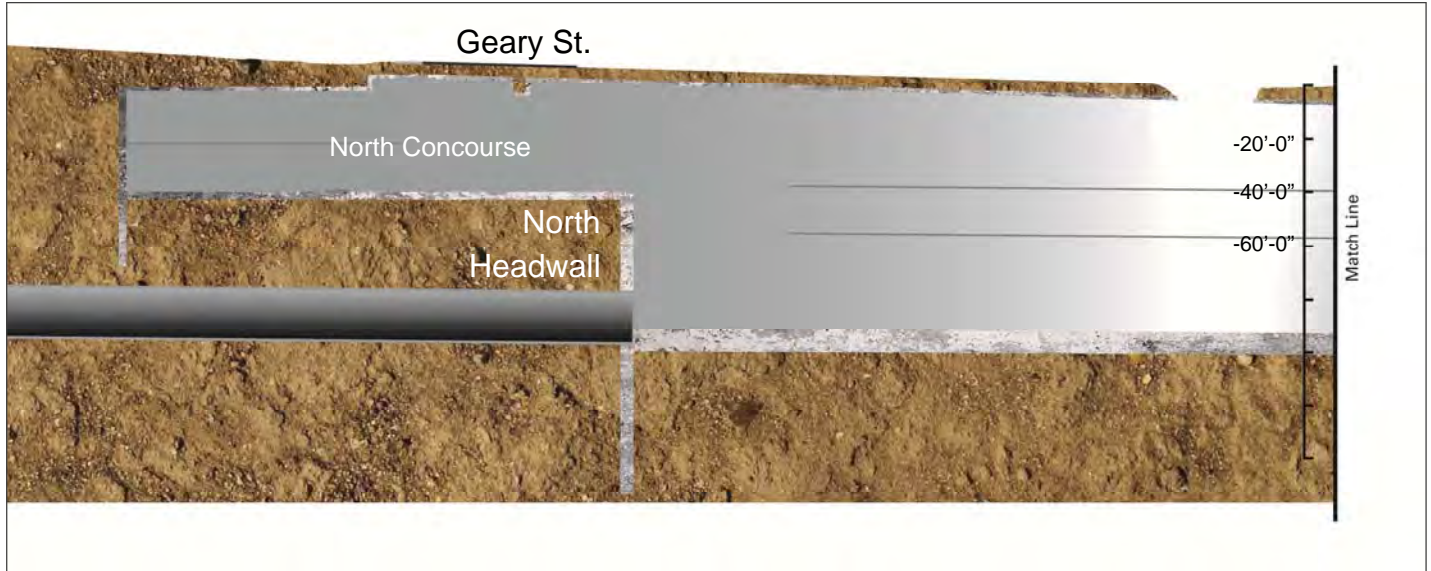
- Platform Station: Complete construction of wale encasements at all levels. Complete wall constructions at Intermediate Strut and Concourse Levels. Complete upper level deck installation. Complete CMU walls
- North Concourse: Complete concourse level slabs, wale encasements and shotcrete walls
- South Concourse: Complete South Escalator construction
- North Entrance: Complete construction of planters at street level. Complete secondary steel to North Entrance structure
- O’Farrell St.: Complete street and sidewalk restoration



### Station Excavation and Construction Progress Section

North

South

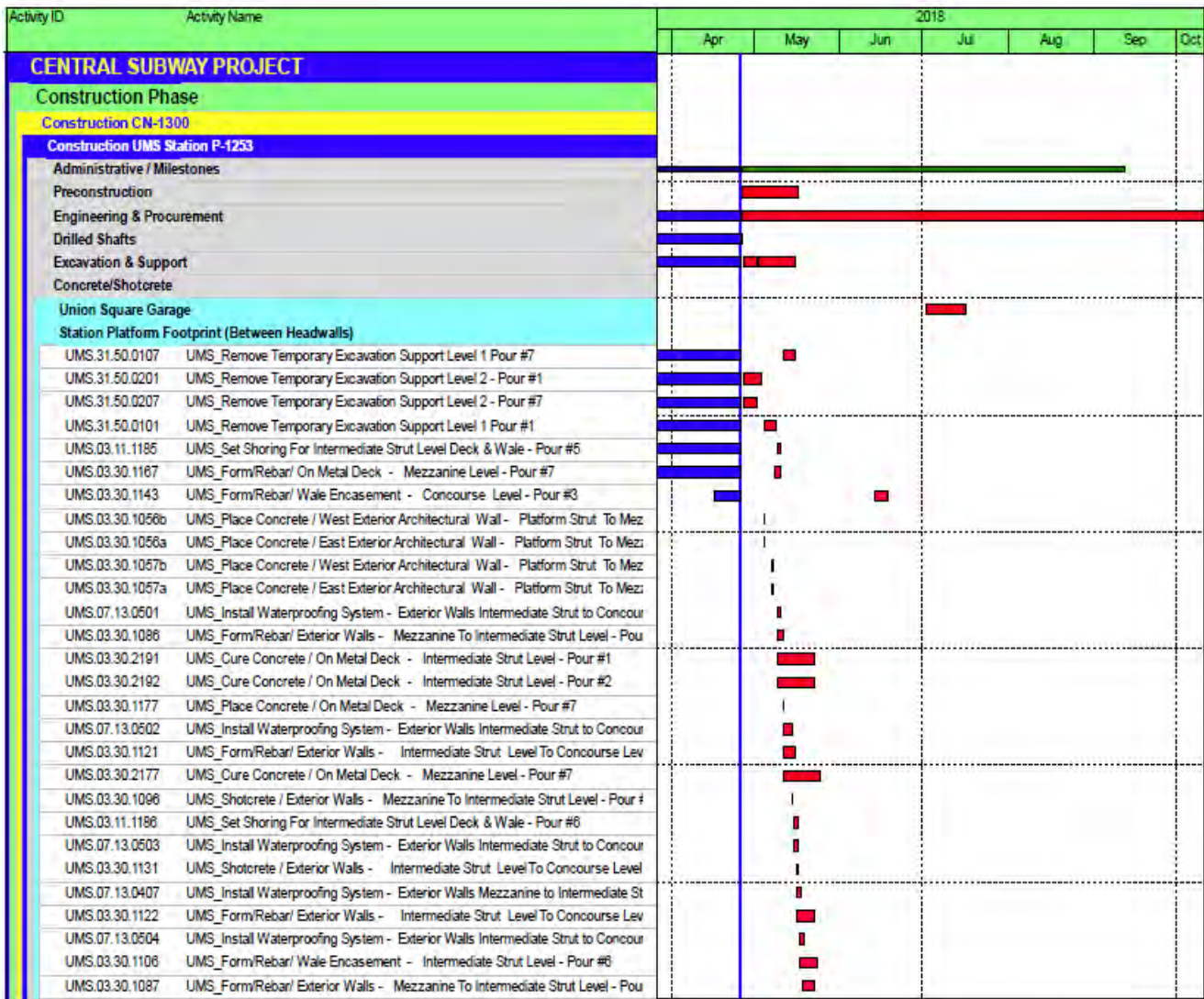


# Union Square Market Street Station Construction - Continued

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>February 28, 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>18</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>\$232,665,514</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 to install new AWSS at 4<sup>th</sup> and Folsom
- Completed F/R/P of Stair 4 roof deck
- 75% completed on electrical rough-in for light fixtures on Mezzanine – Station box
- Poured Stair 1 pans
- 65% completed on electrical rough-in on Concourse ceiling – Station box
- Ceiling mockup made for Concourse ceiling – Station box
- Continued F/R/P of seismic joints (Station Platform)
- Continued installing CMU walls and supports at Stair 1 (Station Platform)
- Continued installing Stair 3 (Station Platform)
- Continued installing CMU walls and supports at Stair 4 (Station Platform)
- Continued installing Elevators 1 and 2 (Station Platform)
- Completed installing Escalators 1 and 2 (Station Platform)
- Continued sealing leaks in Headhouse Invert
- Continued moving and installing electrical equipment in Main Electrical Room and Traction Power Room (Headhouse Invert)
- 20% completed on electrical rough-in on Headhouse-Invert Walls
- Continued F/R/P equipment pads in Headhouse-Invert
- Began installing duct work and fire sprinklers in Traction Power room
- Continued F/R/P Headhouse-Concourse columns
- Began installing CMU walls and plumbing carriers in Headhouse Concourse
- Completed demo of temp walls and F/R/P pilasters at Headhouse-Mezzanine
- Continued F/R/P of deck at Headhouse-Undersurface
- Began F/R/P of upturn beams and installing MEP in deck at Headhouse-Undersurface



### Work Expected Next Month

- Continue utility work at intersection of 4<sup>th</sup> & Folsom and 4<sup>th</sup> & Howard
- Install street lights at 4<sup>th</sup> and Clementina
- Continue to install new AWSS at 4<sup>th</sup> and Folsom



## Work Expected Next Month (continued)

- Install street lights at 4<sup>th</sup> and Clementina
- Install new FH at 4<sup>th</sup> and Folsom
- Begin F/R/P of Stair 1
- Place PG&E and AT&T utilities in Stair 4 area per PCC 159
- Continue electrical on Mezzanine – Station Box
- Continue electrical rough-in on Concourse, pour Station Concourse topping slab
- Continue installing anchors for luminous ceiling at Station Concourse
- Continue installing metal framing (FHC) at Station Concourse
- Continue F/R/P of seismic joints (Station Platform)
- Complete installing pyrok at tunnels north and south of YBM
- Complete installing Pyrok, Platform level
- Continue installing CMU walls at Stair 1
- Complete F/R/P Stair 3 (Station Platform)
- Complete installing CMU walls at Stair 4
- Finish sealing leaks in Headhouse Invert
- Continue Rough-in Fire Sprinkler (Headhouse Invert)
- Continue moving electrical equipment into Main Electrical Room and Traction Power Room (Headhouse Invert)
- Continue electrical rough-in for light fixtures (Headhouse-Invert)
- Continue F/R/P equipment pads in Headhouse-Invert
- Continue installing electrical equipment in Headhouse-Invert
- Complete F/R/P Headhouse-Concourse columns
- Continue F/R/P Stair 6 walls (Headhouse-Concourse)



- Continue installing fire sprinkler mains in Headhouse Concourse
- Complete CMU walls in Headhouse Concourse
- Continue F/R/P of deck at Headhouse-Undersurface
- Continue F/R/P of upturn beams at Headhouse-Undersurface
- Continue installing MEP in deck at Headhouse-Undersurface
- Finish installing Stairs 5 and 6 (Headhouse Undersurface)

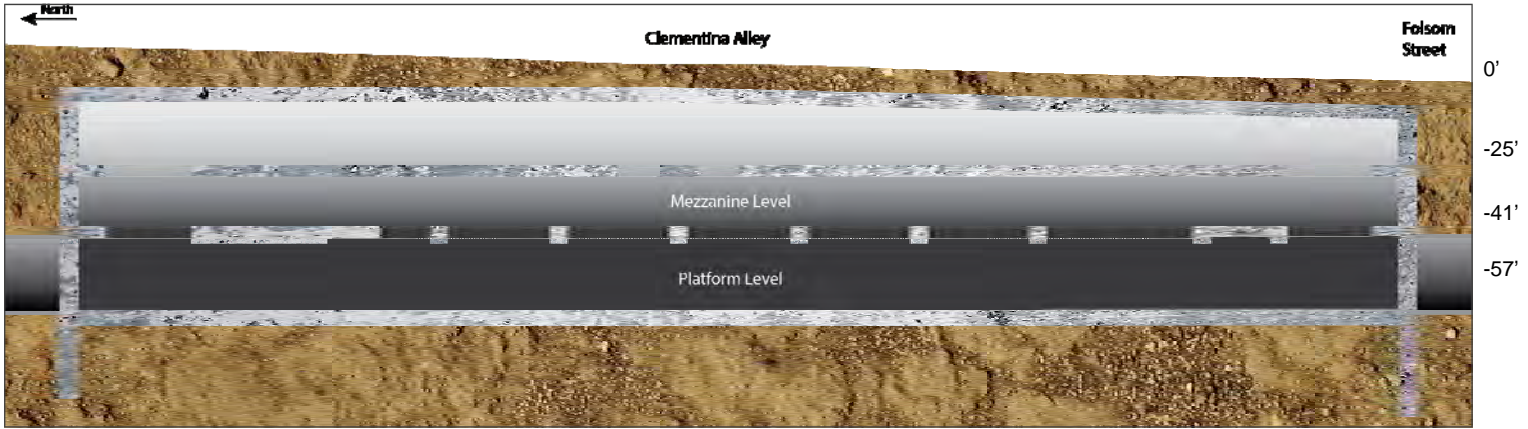
## Three Month Look Ahead

- Start 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
- Pour Headhouse Invert topping slab
- Continue placement of stairs within Station and Headhouse
- Begin installation of station power electrical vaults on Folsom Street
- Place undersurface deck

### Station Excavation and Construction Progress Section

North

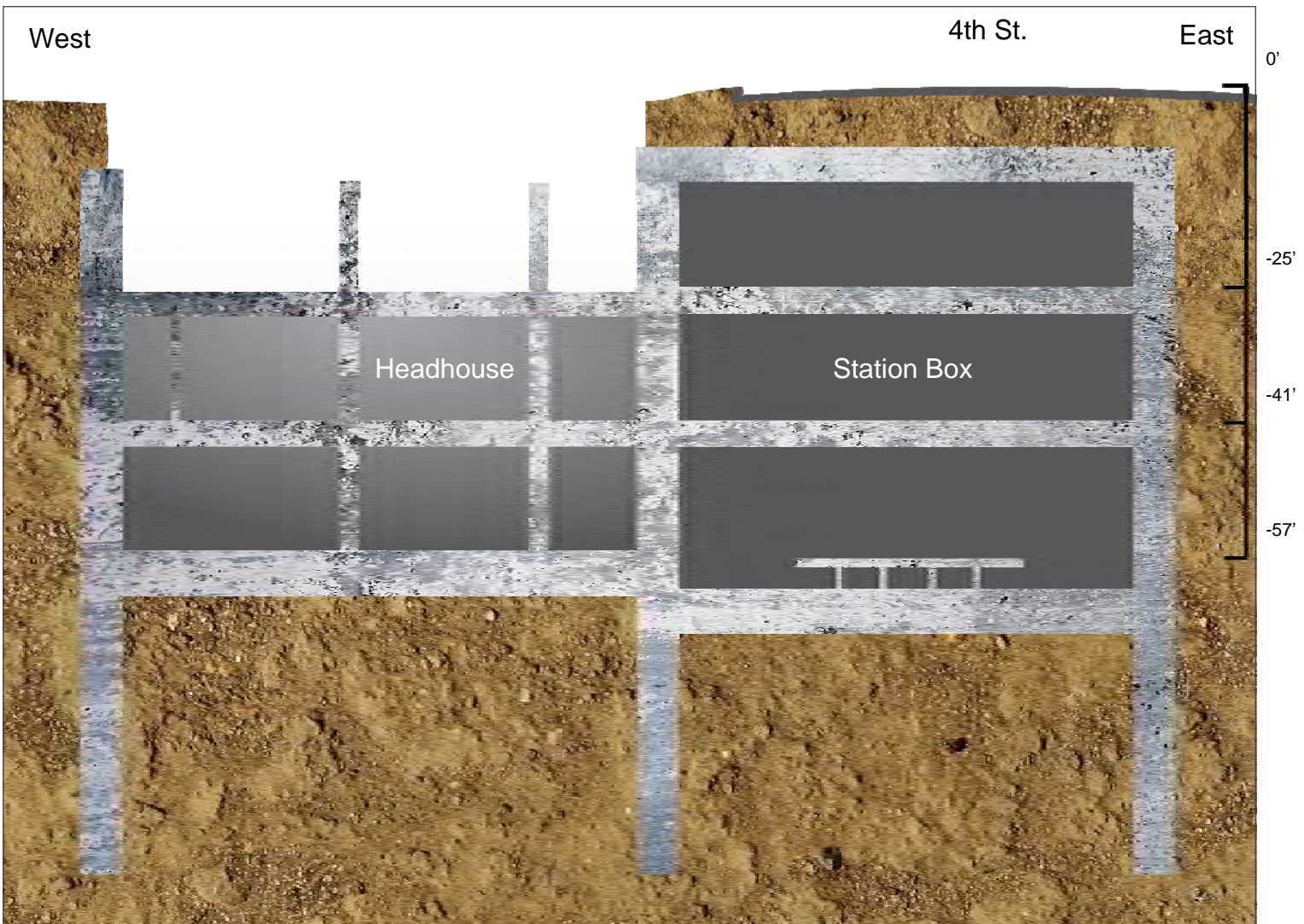
South



West

4th St.

East





# Yerba Buena Moscone Station Construction - Continued

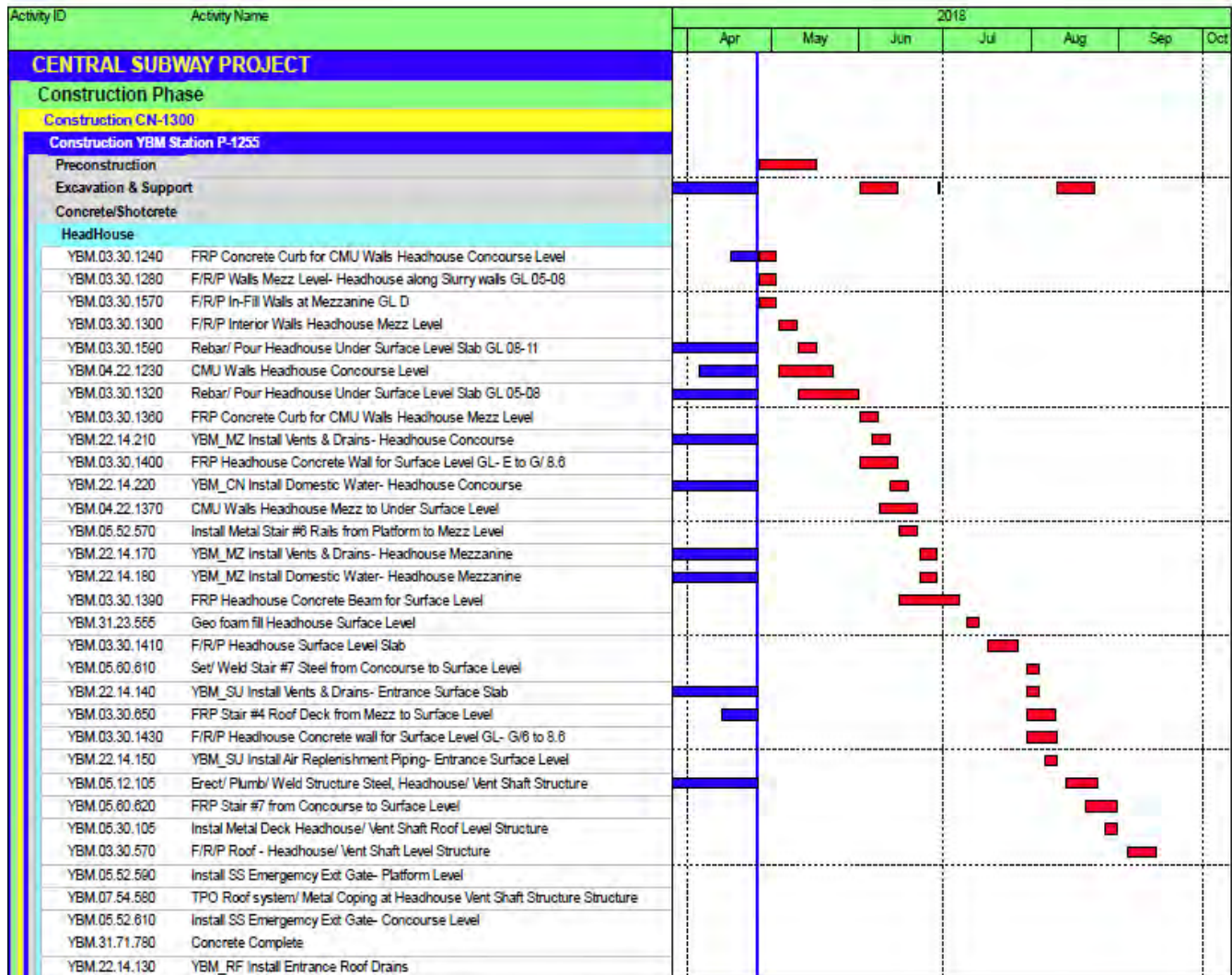
## Contract Details

Contract Awarded:	May 21, 2013
Notice to Proceed:	June 17, 2013
Substantial Completion:	February 28, 2018
Contract Award Value:	\$158,089,000
Modifications to Date (\$):	\$300,214
Modifications to Date (Days):	18
Current Contract Value:	\$158,389,214

## Budget/Expenditures ▲

Current Budget	\$163,089,000
Other Project Offset Credits	\$415,331
Expenditures to Date	\$122,655,873

## YBM Three Month Schedule





# Systems, Trackwork, & Surface Station

## Contract 1300 - Work Package 1256

### Description of Work

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

### Current Status

- Completed 4<sup>th</sup>/Brannan surface station foundation slab
- Started 4<sup>th</sup>/Brannan surface station platform walls
- Continued electrical conduit installation inside tunnel
- Started pulling traction power cables on 4th Street

### 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



### 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 OCS pole installation
- Continue track installation inside tunnel
- Continue walkway installation inside tunnel
- Continue electrical conduit installation inside 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:	February 28, 2018
Contract Award Value:	\$139,989,000
Modifications to Date (\$):	\$2,346,790
Modifications to Date (Days):	18
Current Contract Value:	\$142,335,790

Budget/Expenditures	
Current Budget	\$144,989,000
Other Project Offset Credits	\$2,632,766
Expenditures to Date	\$73,262,046

## Systems, Track and Surface Station Three Month Schedule

Activity ID	Activity Name	2018						
		Apr	May	Jun	Jul	Aug	Sep	Oct
<b>Construction STS P-1256</b>								
STS.34.42.0680	STS_Install: Train Control - Remote Feed Boxes- SB Portal to Moscone							
STS.34.22.3350	STS_Pull & Terminate TP Cables MRV Ductbanks MH 1895 to 1896 - 4th Street/							
STS.34.42.1080	STS_Install: Security - SB Portal Intrusion Devices							
STS.28.20.1920	STS_Install: - CCTV Camera Equipment Cabinets - YBMAUX Communications I							
STS.26.05.0290	STS_Install: Tunnel Electrical - Unistrut For Conduit & Signal Supports - NB Porta							
STS.26.05.3960	STS_Install: Street Lighting - Pull & Terminate Street Lights In Townsend South Si							
STS.05.53.560	STS_Install NB Tunnel Drain Metal Grating - Tunnel Portal							
STS.21.12.410	STS_Install NB Tunnel Walkway Deluge Piping - Tunnel Portal							
STS.26.05.0530	STS_Install: Tunnel Electrical - Unistrut For Conduit & Signal Supports - SB Porta							
STS.26.05.2830	STS_Install: Street Lighting - Install Street Light Arms & Luminaires In Brannan St							
STS.27.32.1840	STS_Install - Radiax Conduit & Cable - Moscone Station - Platform Level							
STS.26.05.1960	STS_Install: Tunnel Electrical - Comm/TC Cable Tray - NB Tunnel Wireduct Inter							
STS.26.05.2050	STS_Install: Tunnel Electrical - Comm/TC Conduit & Pull Boxes - NB Tunnel Wire							
STS.28.20.1790	STS_Install: Tunnel Electrical - CCTV Cameras - SB Portal To Moscone							
STS.05.52.0135	STS_Install NB Tunnel Walkway Handrails - Tunnel Portal NB							
STS.34.42.0600	STS_Install: Train Control - Train Control Signals - SB Portal to Moscone							
STS.07.80.0220	STS_Install NB Tunnel Walkway ARS Fire Blanket - Tunnel Portal							
STS.34.42.2270	STS_Install: Train Control - Train Control Conduit - & JB's NB Portal To Moscone							
STS.34.42.2310	STS_Install: Train Control - Train Control Conduit - & JB's SB Portal To Moscone							
STS.28.20.2080	STS_Install: - Terminate CCTV Camera Equipment Cabinets - YBM AUX Commu							
STS.28.20.1830	STS_Install: Tunnel Electrical - CCTV Pull Wire & Terminate SB Portal To Moscor							
STS.05.52.0120	STS_Install NB Tunnel Walkway Handrails - Portal to Moscone 1,300 LF							
STS.26.05.2820	STS_Install: Street Lighting - Install Street Light Arms & Luminaires In Townsend							
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.21.12.390	STS_Install NB Tunnel Walkway Deluge Piping - Portal to Moscone 1,300 LF							
STS.05.53.540	STS_Install NB Tunnel Drain Metal Grating - Portal to Moscone 1,300 LF							
STS.34.42.1070	STS_Install: Train Control - Remote Feed Boxes/Track Heads SB Moscone to U							
STS.22.16.540	STS_Install NB Tunnel Walkway ARS Fire Blanket Metal Cover - Tunnel Portal							
STS.34.22.3260	STS_Install: Tunnel Electrical - Pull/Terminate Negative Impedance Cable NB & S							
STS.34.42.2580	ATSC Systems- Intermediate Design							
STS.26.05.120	STS_Install: Utilities: 230Kv Electrical Transmission Casing - Assist PG&E - 4th							
STS.26.05.0370	STS_Install: Tunnel Electrical - Telephone Conduit - & JB's NB Portal To Moscon							
STS.26.05.0560	STS_Install: Tunnel Electrical - Telephone Conduit - & JB's SB Portal To Moscon							
STS.26.05.3940	STS_Install: Street Lighting - Pull & Terminate Street Lights In Brannan St							
STS.03.30.131N	STS_F/R/P NB Tunnel Walkway 1st Lift/Standpipe Landing Union Square to Chin							
STS.26.05.0720	STS_Install: Tunnel Electrical - Unistrut For Conduit & Signal Supports - NB Mosc							
STS.34.11.110	Install SB Trackwork - Thru Union Square Station (410 TF)							
STS.26.05.0910	STS_Install: Tunnel Electrical - Unistrut For Conduit & Signal Supports - SB Mosc							

# Program Components

## Community Outreach

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

- Conducted Central Subway tours for Mayor Farrell and news media
- Continued noise mitigation meetings with Tutor Perini and community stakeholder
- Ongoing outreach to merchants and residents
- Conducted meetings and face-to-face visits with various merchant stakeholders along the alignment
- Preparation and dissemination of construction notices
- Produced quarterly construction update video and other multimedia content
- Responded to constituent complaints

### Outreach in Support of Mitigation and Monitoring

Team members participated in weekly progress to address neighborhood concerns

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

Weekly photo documentation of project work and editing

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

### Media Coverage

Central Subway Media Coverage			
Date	Title (with link to story)	Source	Reporter/Writer
4/3/2018	<a href="#">City Completes Central Subway Excavation, but City Still Struggling</a>	SF Examiner	Joe Fitzgerald Rodriguez
4/3/2018	<a href="#">SF's Central Subway is Getting Closer to Completion</a>	SF Gate	Michael Cabanatuan
4/3/2018	<a href="#">It's Late. It's Expensive. It's Muni's New Chinatown Station</a>	SFBay	Jerold Chinn
4/4/2018	<a href="#">Subway station taking shape below streets of San Francisco's Chinatown</a>	KGO-TV San Francisco	Jonathan Bloom
4/4/2018	<a href="#">Central Subway dig ends</a>	CURBED San Francisco	Adam Brinklow
4/5/2018	<a href="#">Muni adds \$5 all-day pass under new budget</a>	SF Bay	Jerold Chinn
4/8/2018	<a href="#">SF's Central Subway Project Hits Major Milestone</a>	KPIX 5 San Francisco	Wilson Walker



# 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:
  - ◇ 10 (same as March 2018) CNCRs are currently posted to the CNCR Log as INITIAL en-

## Quality Assurance - Continued

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

- ◇ 14 (+5 from March 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.)
- ◇ 14 (+1 from March 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).
- ◇ 24 (-3 from March 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.
- ◇ 261 (+4 from March 2018) CNCRs are currently posted to the CNCR Log as CLOSED.
- ◇ 38 (no change from March 2018) CNCRs are currently posted to the CNCR Log as VOIDED (subsequent evaluation of the INITIAL CNCRs determined that a CNCR is not warranted)
- ◇ 361 (+7 from last month) CNCRs are currently posted to the CNCR Log

### **QA Issues:**

- None to report for April 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. This issue will be closely monitored by SFMTA QA

### **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. 105 was held on Tuesday, April 03, 2018. The members of the Risk Assessment Committee in attendance, reviewed the top risks in accordance with the risk summary sheet, which have been given a rating by The Committee of six and above.

During this month's meeting, thirty eight (38) construction risks and one (1) remaining requirement risk was tracked on the Project's Risk Register. Additional vetting of these risks will be done at next month's meeting. Establishing strategies for mitigation and evaluating potential unforeseen issues or conditions.

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

### Top Risks

Risk #	Risk Description	Risk Rating	Contract
240	Unresolved Assignment of Schedule Delay Responsibility (may lead to increase cost for the Program)	12	STA
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
254	CPUC Field Certification - Not having enough staff to certify the work may slow down the process	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.

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

During the month of April, TPC incurred seven first aid incidents, one of which was also a recordable. That means that an injured worker received medicine with the treatment. All of the injured workers were taken to a local emergency clinic, examined, treated and returned to work without any lost time.

The injuries included the following: One concrete in the face due to ruptured slick line, one Cumulative Trauma incident to a crane operator, pulled stomach muscle while climbing, pulled back muscle trying to catch a falling item, a trip and fall resulting in a bruised knee, a cut to the hand while cutting banding material, a bruise to a hip from a loose slick line, and a bruise to the lower leg while climbing.

This is a marked increase in monthly activity and we are looking at how TPC is implementing and using their job safety analysis (JSA) for training purposes.

## **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 continues to install rebar and place concrete for invert slab at both the North and South Platform Caverns.
2. At the UMS station, TPC continues construction of wale encasements at Mezzanine and Concourse levels.
3. At the YBM station, TPC continues Elevators 1 and 2 (Station Platform). They have completed installation of Escalators 1 and 2 (Station Platform).
4. At the STS station, TPC and their sub contractors completed 4th/Brannan surface station foundation slab and continue electrical conduit installation inside the tunnel.

# Program Safety & Security - continued

## Project Safety Record - Contract 1300

### SAFETY GOALS

Through Month End April 2018

<p>OSHA Recordable Accidents, &lt;3.4 Lost Time Cases, &lt;1.6</p>
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#### JOB TO DATE

	Tutor	Subs	Total Project	Rate*
OSHA Recordable Accidents	8	2	10	0.72
Job Transfer or Restricted Duty Cases	0	0	0	0.00
Lost Time Cases	2	0	2	0.14
Total Project Incidents	10	2	12	0.87
Man Hours Worked Through M/E April 2018	1,296,316	1,472,792	2,769,108	

#### YEAR TO DATE (Month ,Day, Year to Month, Day, Year)

	Tutor	Subs	Total Project	Rate*
OSHA Recordable Accidents	3	0	3	2.38
Job Transfer or Restricted Duty Cases	0	0	0	0.00
Lost Time Cases	0	0	0	0.00
Total Project Incidents	3	0	3	2.38
Man Hours Worked Through M/E April 2018	160,034	92,055	252,089	

\* 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.



***Concrete forms are assembled surrounding massive rebar cages at the Union Square/Market Street station box's south headwall, to construct a shelf which will act as a mid-way footing for stairs and escalators.***



## Staffing

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

	Feb-2018		Mar-2018		Apr-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	1.30	1.80	1.30	1.80	1.30
Contract Administration	1.40	9.40	1.40	9.40	1.40	9.40
Community Outreach	5.50	2.50	5.50	2.50	5.50	2.00
Finance	2.00	0.00	2.00	0.00	2.00	0.00
Project Controls	4.80	4.30	4.80	3.90	4.80	3.90
Subtotal	22.10	22.20	22.10	21.80	22.10	21.30
<b>Construction Management</b>						
CM - CN 1252	0.00	0.00	0.00	0.00	0.00	0.00
CM - CN 1300	22.20	26.20	22.20	24.80	20.05	26.20
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	31.20	35.20	31.20	33.80	29.05	35.20
<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>59.25</b>	<b>57.60</b>	<b>59.25</b>	<b>55.80</b>	<b>57.10</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.



***Two men move quietly down the southbound tunnel toward the Yerba Buena/Moscone Station platform.***



# central **T** subway

## Current Construction Activity



**Chinatown (CTS)**



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



**Yerba Buena/Moscone (YBM)**



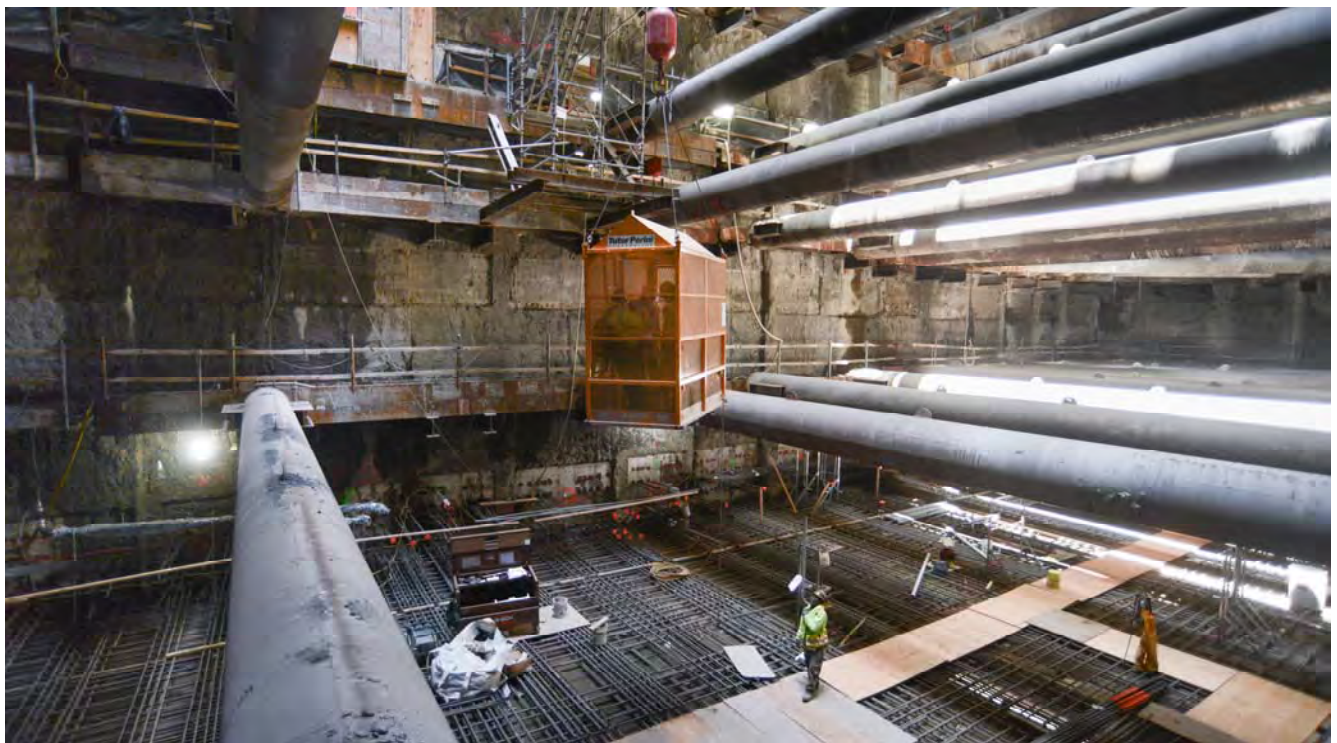
**4th St. Surface Track, Systems (STS)**







*A crew assembles the rebar cage for the invert of one of the last sections of the Chinatown track crossover cavern, south of the future station platform cavern.*



*A full man cage is lowered into the bottom of the Chinatown Station headhouse following a lunch break.*





*Central Subway Program Director Albert Hoe gives Mayor Mark Ferrell an overview of Chinatown Station construction at the bottom of the headhouse.*



*Looking south inside the Chinatown platform cavern, Central Subway Resident Engineer Wyman Lee discusses station construction with Mayor Mark Ferrell and SFMTA Director Ed Reiskin.*





*A forest of capped rebar strands are going in as part of initial work to construct the Union Square/Market Street Station platform.*

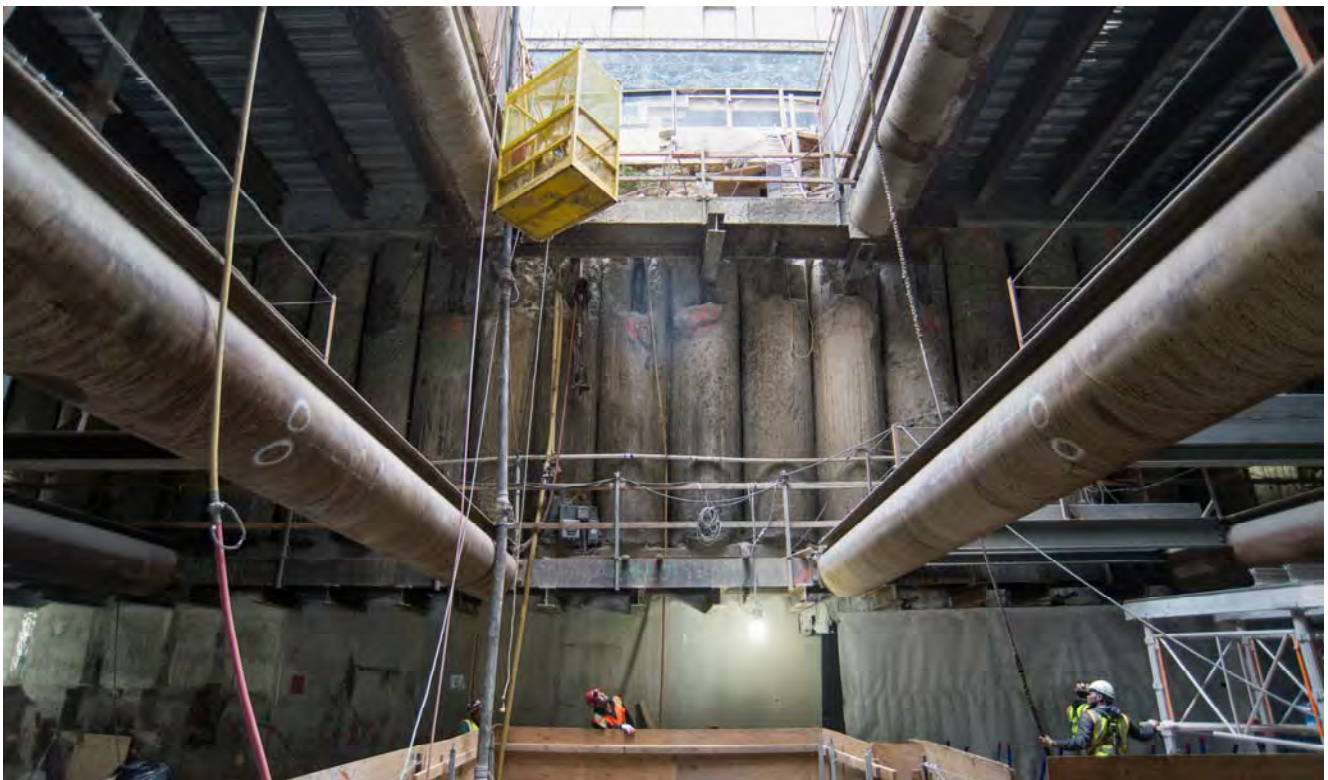


*The last few sections of temporary bracing are being removed from the south end of the Union Square/Market Street station box.*





***Men unload bundles of rebar off a flatbed, to be brought into the Union Square/Market Street station box from the staging area north of O'Farrell.***



***A worker in the man basket works on steel reinforcing inside the opening for the access shaft just north of O'Farrell, as associates observe from below.***





*A supervisor reviews rebar installation documents as workers atop formwork inside the Yerba Buena/Moscone Station headhouse build massive rebar cages which will become part of the reinforced concrete roof slab.*



*A crew on the mezzanine level of the headhouse assembles concrete forms adjacent to a rebar cage, which will eventually become an internal support wall.*





***A complex scheme of scaffolding and concrete forms are being installed inside the Yerba Buena/Moscone Station headhouse, where roof slab construction has begun.***

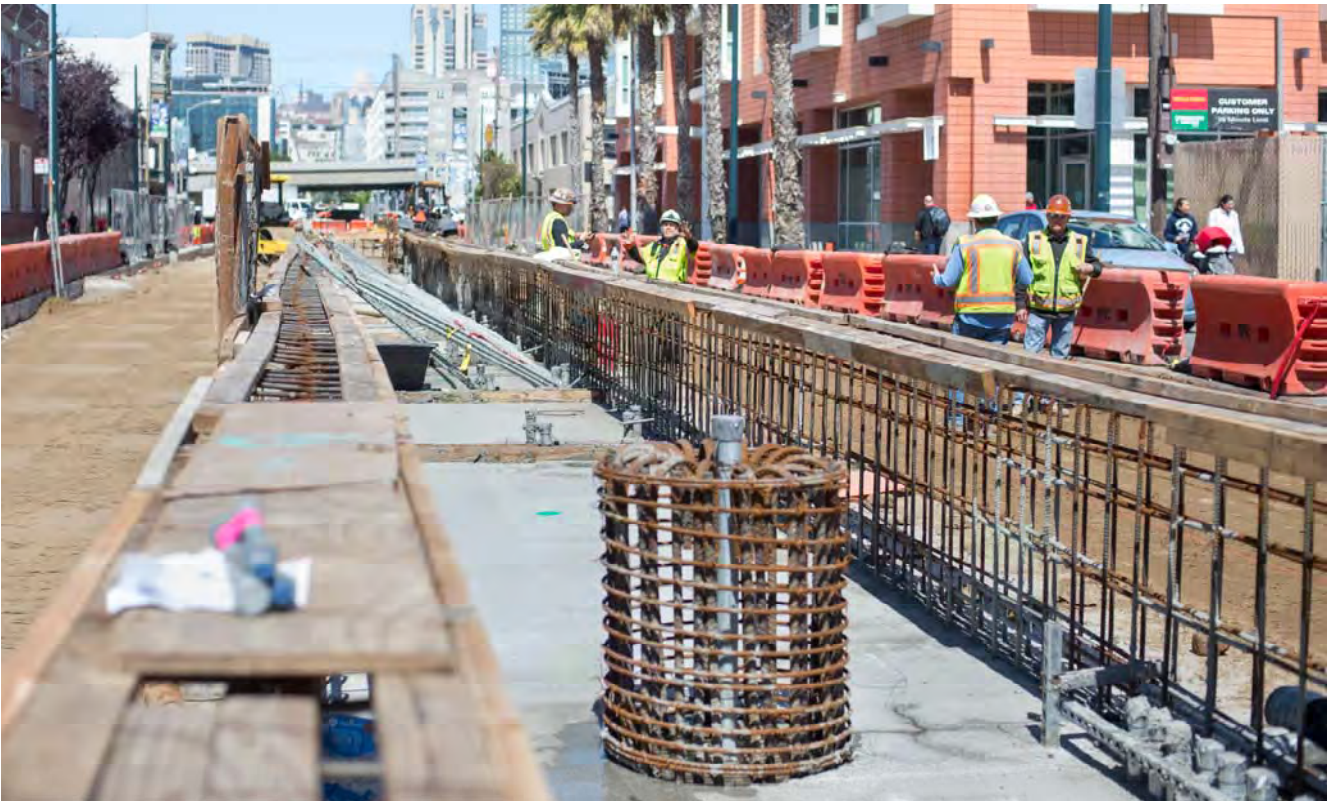


***A welder attaches a steel plate to the top of large gauge rebar intended to be used as part of a future transit-oriented development atop the south end of the Yerba Buena/Moscone Station headhouse structure.***





*Workers look over site plans at the 4th and Brannan surface station platform, where utility conduits are being installed.*



*A new foundation slab has been poured inside the site of the future 4th and Brannan surface station.*





*Workers are following up to smooth everything out following the installation of new sections of track walkway inside the southbound tunnel.*



*Workers inside the northbound tunnel just before the Market Street S-curve prepare steel concrete forms for re-use further north.*

*Appendix A*

**DETAIL COST REPORTS**



\*April 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 \$1,206.33 million, a \$11.64 million increase over last month. The cost to date figure reflects expenditures through FAMIS 786 Report (\$1,165.45 million) plus the utilities joint trench Form B Reimbursement payment (\$11.27 million), invoices currently being processed (\$27.85 million) and estimates of outstanding pay requests (\$1.79 million). This incurred amount equals 76.43% of the total project budget of \$1.578 billion.

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

CONTRACT	PP NO	PP PERIOD TO	PROG PYMT AMOUNT
CS155.1*	69	3/31/2016	\$ 13,280.00
CS155.1*	70	6/30/2016	\$ 24,327.00
CS155.1*	71	9/30/2016	\$ 65,000.00
CS155.1*	72	12/30/2016	\$ 50,000.00
CS155.1*	73	3/31/2017	\$ 35,282.00
CS155.2	93	11/30/2017	\$ 379,157.37
CS155.2	94	12/31/2017	\$ 297,049.51
CS155.2	95	1/31/2018	\$ 285,148.85
CS155.2*	96	2/28/2018	\$ 285,148.85
CS155.2*	97	3/31/2018	\$ 285,148.85
CS155.2*	98	4/30/2018	\$ 285,149.85
CS155.3	93	12/31/2017	\$ 78,456.12
CS155.3*	94	1/31/2018	\$ 78,219.18
CS155.3	95	2/28/2018	\$ 53,159.35
CS155.3	96	3/31/2018	\$ 62,775.50

CONTRACT	PP NO	PP PERIOD TO	PROG PYMT AMOUNT
CS155.3*	97	4/30/2018	\$ 62,775.50
CN 1300	50	2/28/2018	\$ 8,949,472.00
CN 1300	51	3/31/2018	\$ 7,458,267.00
CN 1300	52	4/30/2018	\$ 7,595,190.00
CS149	109	1/31/2018	\$ 657,833.56
CS149	110	2/28/2018	\$ 572,809.67
CS149	111	3/31/2018	\$ 603,993.65
CS149	112	4/30/2018	\$ 827,462.29
CS156	83	10/31/2017	\$ 13,646.43
CS156	84	11/30/2017	\$ 17,451.49
CS156*	85	12/31/2017	\$ 17,451.49
CS156*	86	1/31/2018	\$ 17,451.49
CS156*	87	2/28/2018	\$ 17,451.49
CS156*	88	3/31/2018	\$ 17,451.49
CS156*	89	4/30/2018	\$ 17,451.49
other accruals*		4/30/2018	\$ 517,320.89

\* Estimated Amount

\$ 29,640,782.36

**2. CONTINGENCY ALLOCATIONS AND USAGE**

The current Total Project Contingency is **\$74.07 million**, which is a \$49.07 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".

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

**3. BUDGET TRANSFERS**

No budget transfers in this reporting period.

**4. FORM B**

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

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

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

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

**Preliminary April Earned Value**

Overall Budgeted Cost:	\$1,578,300,000
Planned Value:	\$1,518,305,821
Earned Value:	\$1,213,975,733
Actual Cost:	\$1,206,332,258
Schedule Performance Index (SPI):	0.80
Cost Performance Index (CPI):	1.01
Percent Complete:	76.9%



**SFMTA, EV Chart**  
**APRIL 30, 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)	CFI	SPI
<b>CENTRAL SUBWAY PROJECT</b>										
		03-Jun-03A	14-Jan-22	76.85%	\$1,578,300,004.91	\$1,518,305,820.50	\$1,213,976,733.01	\$1,206,332,258.44	1.01	0.80
	Preliminary Engineering Phase	03-Jun-03A	07-Jan-10A	100%	\$46,542,061.34	\$46,542,061.02	\$46,542,061.02	\$46,542,060.93	1.00	1.00
	Final Design	08-Jan-10A	17-Jun-13A	100%	\$115,075,987.10	\$115,075,987.06	\$115,075,987.06	\$113,950,952.17	1.01	1.00
	Light Rail Vehicles	15-Apr-13A	01-Nov-19	8.25%	\$26,385,653.00	\$26,385,653.00	\$2,177,131.58	\$10,598,346.72	0.21	0.08
	Real Estate	01-Aug-08A	26-Apr-18	82.4%	\$32,140,417.71	\$37,405,895.00	\$30,822,332.40	\$30,543,064.53	1.01	0.82
	Construction Phase	03-Jan-10A	20-May-21	75.8%	\$1,349,149,982.93	\$1,292,896,224.42	\$1,019,359,220.95	\$1,004,697,934.49	1.01	0.79
	Construction Support and Costs	03-Jan-10A	20-May-21	64.83%	\$200,922,851.20	\$147,955,382.19	\$129,574,565.77	\$134,600,089.68	0.96	0.66
	Construction Utility Contract #1 - MOS & Portal CIV-1250	04-Jan-10A	23-May-11A	100%	\$11,968,150.00	\$11,968,150.00	\$11,968,150.00	\$11,968,150.00	1.00	1.00
	Construction Utility Contract #2 - JMS CIV-1251	12-Jan-11A	15-Oct-12A	100%	\$20,669,081.47	\$20,794,582.00	\$20,794,582.00	\$20,669,081.47	1.01	1.00
	Construction Tunnels CIV-1252	08-Jun-11A	26-Apr-18	99.44%	\$235,913,500.06	\$251,068,967.23	\$249,672,040.28	\$233,589,322.34	1.07	0.99
	Construction CIV-1300	03-Jun-13A	29-Dec-19	70.53%	\$879,676,400.20	\$661,091,143.00	\$607,346,862.90	\$603,871,191.00	1.01	0.71
	Unallocated Contingency	26-Apr-18	14-Jan-20	0%	\$9,005,902.93	\$0.00	\$0.00	\$0.00	0.00	0.00
	Project Management	14-Jan-20	14-Jan-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>		
Prop. K	\$123,975	\$123,975
<b>Local Subtotal</b>	<b>\$123,975</b>	<b>\$123,975</b>
<b>CPT 544 Total</b>	<b>\$1,578,300</b>	<b>\$1,479,780</b>

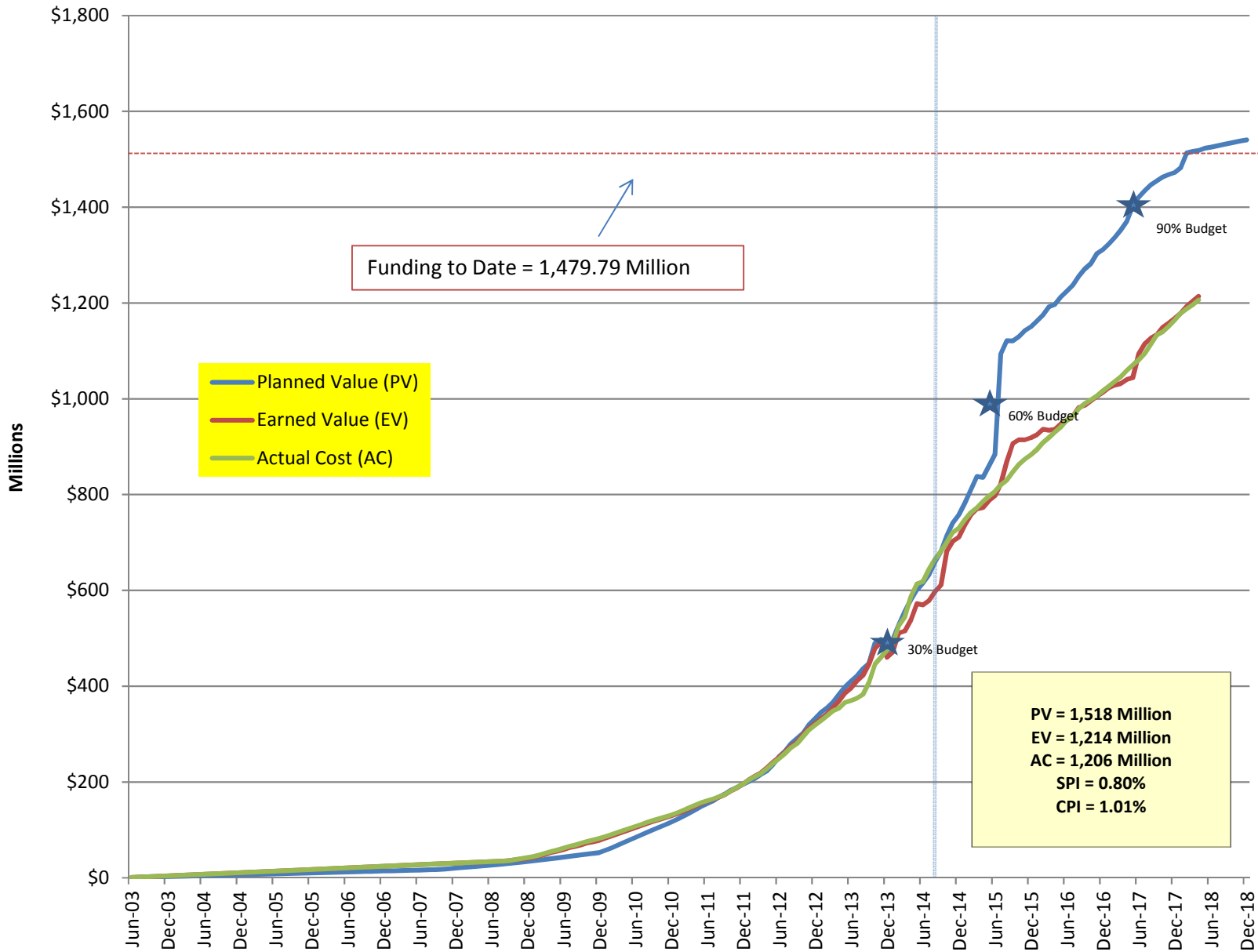
## 7. LIST OF COST REPORTS

- 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

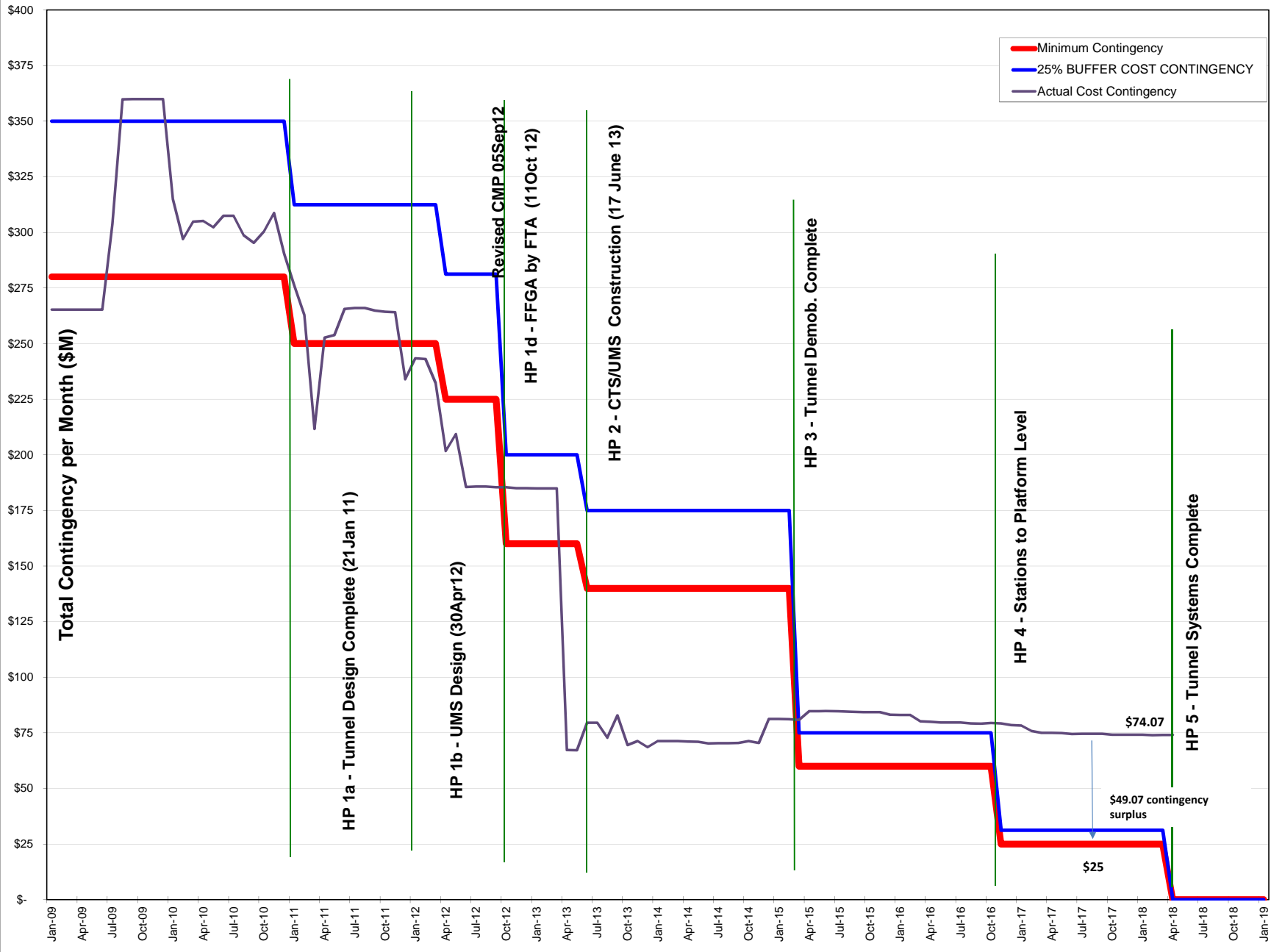
<b>A. Central Subway Project</b>						
Project	Name	Amount	PM	Funding Source	Reporting	Cost Report Notes
1	CPT544 Central Subway Project	\$1,578,300,000	J. Funghi	62% Fed, 30% State, 8% Local	yes	1
<b>Total:</b>		<b>\$1,578,300,000</b>				
<b>B. Related SFMTA Capital Improvement Projects</b>						
Project	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



# 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	[a + b]	d	[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>	9,273,939 166,756	2,694,211	11,968,150 166,756		11,968,150 166,756	1,953,377	740,834	2,694,211		11,968,150 166,756		18
1251	UTILITY RELOCATION PACKAGE #2 <i>Contract 1251 Department of Technology</i>	16,832,550 75,615	3,836,531	20,669,081 75,615		20,669,081 75,615	5,367,297	(1,530,766)	3,836,531		20,669,081 75,615		19
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	235,913,500	946,430	20
1300	STATIONS <i>1253 UNION SQUARE/MARKET ST STATION [JMS]</i>	839,676,400 294,030,590	8,359,907 2,748,442	848,036,307 296,779,032	17,218,898 7,572,772	865,255,205 304,351,804	20,000,000 5,000,000	20,000,000 15,000,000	40,000,000 20,000,000	31,640,093 17,251,558	879,676,400 314,030,590	14,421,195 9,678,786	21
	<i>1254 CHINA TOWN STATION [CTS]</i>	247,567,810	2,964,460	250,532,270	3,028,442	253,560,712	5,000,000	5,000,000	10,000,000	7,035,540	257,567,810	4,007,098	22
	<i>1255 YERBA BUENA/ MOSCONE STATION [YBM]</i>	158,089,000	300,214	158,389,214	4,673,159	163,062,373	5,000,000	5,000,000	4,699,786	26,627	163,089,000	26,627	
	<i>1256 SURFACE TRACKWORK &amp; SYSTEMS [STS]</i>	139,989,000	2,346,790	142,335,790	1,944,526	144,280,316	5,000,000	5,000,000	2,653,210	708,684	144,989,000	708,684	
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	33,453,501	1,160,000	23
SCC 10 - 50 Construction Sub-total		1,130,842,776	17,313,703	1,148,156,479	17,238,898	1,165,395,378	52,139,137	(1,328,979)	51,080,226	33,766,524	1,181,923,002	16,527,625	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	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	26,385,653	13,076,653	26
80	PROFESSIONAL SERVICES	310,518,041		310,518,041		310,518,041	18,221,079	18,221,079	18,221,079	18,221,079	328,739,120	18,221,079	
SCC 60 - 80 Construction Sub-total		371,138,552	(15,065,190)	356,073,362		356,073,362	21,498,020	9,799,712	31,297,732	31,297,732	387,371,094	31,297,732	
SCC 90	UNALLOCATED CONTINGENCY						3,845,945	5,159,958	9,005,903	9,005,903	9,005,903	9,005,903	27
<b>TOTAL</b>		<b>1,501,981,328</b>	<b>2,248,513</b>	<b>1,504,229,841</b>	<b>17,238,898</b>	<b>1,521,468,740</b>	<b>77,483,102</b>	<b>13,630,691</b>	<b>91,383,861</b>	<b>74,070,159</b>	<b>1,578,299,999</b>	<b>56,831,260</b>	
											<b>Total Project Budget</b>	<b>1,578,300,000</b>	28
											<b>Estimate At Completion</b>	<b>1,521,468,740</b>	29
											<b>Variance</b>	<b>56,831,260</b>	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 SFWD
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

Awarded NTE Amount	\$839,676,400	\$848,036,307
Substantial Completion	2/28/2018	2/28/2018

Potential Changes	UMS	CTS	YBM	STS	COST REPORT NOTES
<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		(10,337)			
Job Readiness - CTS		(390,000)			
Job Readiness - STS				(140,000)	
Job Readiness - UMS	(390,000)				
Job Readiness - YBM			(140,000)		
STS - OCS Pole Changes				8,473	
STS COR #89 Extra Sewer Work				15,561	
STS COR 1141 Unkn Conc Subgrade				573	
STS COR 1142 Remove Catch Basin				1,719	
STS COR 1173 Existing DB Conflict				1,115	
STS COR 258 WD/PVC Conflict				76,194	
STS COR 520 Lat Conf AWSS				3,835	
STS COR 558 CB in conf w AWSS				862	
STS COR 688 Ukn Piers /conct N 12"				715	
STS COR 829 Unkn Concrete Blanket				3,613	
STS COR 875 Existing Railroad Ties				2,695	
STS COR 969 Mv Stl Plts L Frm Twnsd				389	
STS Traffic Signal and SL Changes				242,427	
UMS COR 1087 (E) 6-inch Gas Line	11,297				
UMS COR 687 Trant Pipe at St 134+00	487				
UMS COR 810 Unkn Bem @ M Macys Wall	426				
UMS COR 845 Unidntfid Conc Obstrctn	6,841				
UMS PCC 103 PG&E S.light at Maiden	6,555				
UMS PCC 136 Transformer in Vault 31	13,542				
USG PCC 107 Light Pole Footings	7,205				
YBM COR 1005 Reburial of remains			1,870		
YBM COR 1106 Impediment at Pnl P-88			1,897		
YBM COR 1197 Unknown Slurry Encasem			7,138		
YBM COR 1213 Add'l excavation and W			24,094		

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	UMS	CTS	YBM	STS	COST REPORT NOTES
YBM COR 248 Transite pipe Folsom			3,176		
YBM COR 385 PG&E Damage to Work			20,919		
YBM COR 390 Chip Mezzanine Headwall			44,260		
YBM COR 485 Chip Concourse Headwall			30,432		
YBM COR 711 Conduit for AC Swichgea			7,004		
YBM COR 838 Abrasive Stair Nosing			42,419		
YBM COR 841 Design Chng Stair 1 run			7,638		
YBM COR 86 AT&T Side Sewer Conflict			156,831		
YBM COR 972 Ex Ut Inc W Ctch Basin			2,982		
YBM PCC 131 Add Rec Room CN316			1,036		
YBM PCC 138 Add Rec Room SU310			842		
YBM PCC 208 Added Conduits Invert			4,581		
CTS COR 1522 Framing for GFRC Panel		0			
<b>Negotiation</b>					
CTS - PCC #036 (CMU Wall Bracing)		19,552			
CTS COR 1013 CTS Setlmt Mitigation		20,001			
CTS COR 1014 Invt Slb Crb or Trough		5,000			
CTS COR 1016 Locate Water Leak		4,538			
CTS COR 1031 Add Fire Hose Valves		14,896			
CTS COR 1035 FHC & Phns Dsgn Cnflct		10,001			
CTS COR 1053 Elv 1&2 Mach Rm Dim		10,001			
CTS COR 1061 S Pltfm Unstable Grnd		150,000			
CTS COR 1107 Compensation Grout		0			
CTS COR 1128 Dir to Comp S Side		5,001			
CTS COR 1157 Stringer Support Embed		10,001			
CTS COR 1159 Change Escalator 1 & 2		3,144			
CTS COR 1175 Compensation Grout Set		10,001			
CTS COR 1177 NDSC Unknown Utilities		25,000			
CTS COR 1186 Unknown 1" Water Serv		16,419			
CTS COR 1249 Add GFRC Panels		130,001			
CTS COR 1253 N. Emergency Egress		6,000			
CTS COR 1318 Elevator 4 Emer Door		5,001			
CTS COR 1401 Crossover Cavern Art		10,001			
CTS COR 1401 Excessive Compensation		80,001			
CTS COR 1405 Downspout Requirement		7,501			

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	UMS	CTS	YBM	STS	COST REPORT NOTES
CTS COR 1419 Add Neutral Conductor		9,000			
CTS COR 1476 Timely Review RFIs & S		0			
CTS COR 1524 Submittal Returned RR		2,001			
CTS COR 200 Dr & Dr Hrdwre for GFRC		7,797			
CTS COR 255 Additional Instruments		429,777			
CTS COR 299 Removal of Interim SW		18,253			
CTS COR 324 Strt to Beam Con@ G/L7		5,374			
CTS COR 408 MSX Termination		191,291			
CTS COR 437 Unanticipated Elec @ Sh		50,001			
CTS COR 445 3x5 w/ HDPE/PVC Inside		10,001			
CTS COR 526 Connection b/t Wall & D		25,001			
CTS COR 527 Connection b/t Wall/Dec		40,939			
CTS COR 529 Rock Mass at Elev 37'		25,001			
CTS COR 568 CMOD 019 Reservations		31,906			
CTS COR 582 Monitor at Agent Booth		95,958			
CTS COR 583 Elev 1-4 SFFD monitor		53,619			
CTS COR 625 Added Cane Detc Rail		1,889			
CTS COR 626 Ad HSS & Plt @ H Beam		4,267			
CTS COR 627 Add HSS Col @ Tickt Mac		2,471			
CTS COR 628 Add Beams and Embeds		8,285			
CTS COR 659 Add Grts at Sta Ag glas		1,537			
CTS COR 679 GI Cutos & Add Sp hds		23,450			
CTS COR 681 Crss Cut Cvrn SEM Excvn		60,001			
CTS COR 686 Es & GlS Enc Slf Clning		6,716			
CTS COR 706 Glas Canpy Trench Drain		0			
CTS COR 723 Strc GlS Asse Add Desig		0			
CTS COR 780 Aded Frit on Roof Panls		19,229			
CTS COR 866 ATCS/Thals Sngl Pwr Sor		10,001			
CTS COR 899 Add Soil Samp & Testing		10,001			
CTS COR 917 Spriklr Hnging Method		50,001			
CTS COR 923 Esc Equip Room Size		10,001			
CTS COR 925 Cont Metal Ring		1,001			
CTS COR 947 Shtcrt Filr Line @ slry		10,001			
CTS COR 957 Egress Shft Opening		10,001			
CTS PCC 001 Delete DB on Stockton		(84,018)			



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	UMS	CTS	YBM	STS	COST REPORT NOTES
CTS PCC 207 SEM Sequencing Changes		0			
CTS PCC 259 Soil/rock Offhaul to Ox		150,000			
CTS PCC 316 PSG 500 to 750 MCM		75,000			
CTS PCC 98 Slurry Wall Wr Proofing		0			
CTS PCC#25 Stairs 5, 6, 7 Mods		30,387			
CTS PCC258 Start PCN before Com PCS		0			
CTS-COR#201 Swr Line & Station Roof		37,661			
CTS-Delete Tree Planting		(3,967)			
CTS-FACO#39- Soil Testing cmplly OAB		5,478			
CTS-PCC40 Plaza Surface Slab Pntrtn		5,525			
GEN PCC 183 Electric Power Elevator			31,574		
GEN PCC 189 Anti-Graffiti Film			83,371		
STS - Additn manholes for 78" sewer				25,838	
STS - Deletion of ARS (Revision 1)				(4,689,000)	
STS - PCC#28 Portal Dowels				(1,753)	
STS Comm and Elec Cabinets Relocati				21,768	
STS COR #88 Modify CBs and Culverts				4,395	
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				195,768	
STS COR 101 Cleaning for non-78" SW				58,906	
STS COR 1012 ATCS Work at SFMTA				10,001	
STS COR 1017 Increase Neoprn Pad le				5,001	
STS COR 1022 2" Traffic Sgnl Condui				1,428	
STS COR 1034 E live DT/MRY Ductbank				50,735	
STS COR 1038 E Unkn 18" Steel Pipe				1,213	
STS COR 1045 78" Conc Cap Repair				19,050	
STS COR 1072 Raised Prtl Walkway				(10,001)	
STS COR 1085 AWSS Conflt w/ 36" Swr				16,233	
STS COR 1091 Conc Footing & PVC				1,550	
STS COR 1097 21" Sewer Bulkhead				13,338	
STS COR 1099 Cnflct with 24" casing				34,788	
STS COR 1100 E Swr Cnflt w/ 18" HDP				48,709	

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	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 1104 Unkwn Aluminum Pipe				2,704	
STS COR 1115 Unkwn Conc Impdng AWSS				2,836	
STS COR 1116 Live Ductbank in Cnft				15,000	
STS COR 1119 48" Corrg Pipe Cnflc				16,535	
STS COR 1140 Pothole 12" AWSS				4,022	
STS COR 1147 Utility Conflict				18,941	
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				75,000	
STS COR 1178 Extra Shoring - 36" FM				2,895	
STS COR 1179 Exst Pipes FM				1,769	
STS COR 1180 Unkwn Conc 10" FM				5,000	
STS COR 1187 Add Pothole WD POC				18,459	
STS COR 1189 Unkwn 12" AWSS Offset				10,000	
STS COR 1194 Unkwn MH Incor MH				3,383	
STS COR 1201 Unkwn Stl Conduits				25,000	
STS COR 1202 Acceleration 36" FM				179,957	
STS COR 1203 GSUC Delay Backfill				11,068	
STS COR 1212 Reloc Exst 10" SSFM				10,771	
STS COR 1214 Add WD POC Excav				9,445	
STS COR 1216 Traffic Signal Support				2,241	
STS COR 1217 Slurry Backfill Fiber				3,490	
STS COR 1233 Ext RR Ties Confl Sewe				894	
STS COR 1241 Unkn PVC Conduits				6,945	
STS COR 1251 Shal Utl Trak Slab				130,000	
STS COR 1261 Acceleration 36 FM				6,857	
STS COR 1262 12" WD Blowout				20,078	
STS COR 1271 Addl Parking Strip				0	
STS COR 1276 Install Culvert 4th Br				(7,054)	
STS COR 1278 MRY Vault Cables				50,000	
STS COR 1284 Conc Obstrt AWSS				6,040	
STS COR 1285 Unkn Utl Confl TD				10,000	
STS COR 1286 Unkn DB Confl TD				57,212	
STS COR 1288 Unkn DB Confl TD				10,000	

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	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 1290 Traf Sig Box Confl				20,000	
STS COR 1295 CI Offset Conflict				134,693	
STS COR 1296 PVC DB Sewer Conflict				10,000	
STS COR 1307 Dmg MH Confl Sewer				131,481	
STS COR 1309 Brick Sewer Conflict				40,917	
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 Util Confl AWSS FH				28,563	
STS COR 1325 Tide Flex Confl DB				5,935	
STS COR 1328 Invest Swr Lateral				3,257	
STS COR 1351 Tele Volt Power				0	
STS COR 1352 ATCS Train Cntrl Rm				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 1446 PGE Vault Pave Reno				901	
STS COR 1492 Pave Reno 4th Brannan				50,001	
STS COR 1497 Pave Reno SW 4th Brann				50,001	
STS COR 1510 Sta Canopy Column Slee				5,001	
STS COR 1532 High Strength Rail				0	
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				41,831	
STS COR 371 Conflicts w/ 12" AWSS				25,770	
STS COR 392 Util at 4th-Town SW MH				13,246	
STS COR 401 AWSS Layout 4th/King				31,866	
STS COR 402 3x5 SW Confl w/ VCP SW				10,000	
STS COR 404 Contam Soil in MRY DB				9,361	
STS COR 406 Addtl TC at 4th/King				675,000	
STS COR 447 Added Exc for SFWD POC				29,423	



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	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 454 Addtl Conflicts w/ 8" W				160,122	
STS COR 455 Conflicts w/ 8" WD Line				10,000	
STS COR 456 Conflicts w/ MRY Poles				20,000	
STS COR 475 Removal of Fiber Optic				1,101	
STS COR 484 New WD & AWSS Alignment				56,042	
STS COR 488 Tunnel Track Alignment				50,001	
STS COR 500 Tunnel Monuments				0	
STS COR 522 Thickened Str. Stan				7,046	
STS COR 530 Tunnel Track Machine				20,064	
STS COR 533 Conc wall confl util				39,170	
STS COR 536 Util in Conf w 36" FM				66,287	
STS COR 559 Temporary Trolley Pole				5,890	
STS COR 567 Loct of Plinth Breaks				10,000	
STS COR 584 Debris confl w/ culvert				6,275	
STS COR 604 Duct Bank in conf. w se				(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	
STS COR 623 Unkn Con Structure				2,966	
STS COR 632 Omit Unist & add Anr Bt				2,180	
STS COR 633 Ligting Arrrests Signal				10,001	
STS COR 641 SW delay due to conf ut				10,025	
STS COR 644 Wod Pier Cnf w AWSS				13,258	
STS COR 650 Asbestos conf w/ ATT DB				4,518	
STS COR 657 Tunnel Ca Bsn Dsn Chang				20,000	
STS COR 664 Threaded Dowels				10,001	
STS COR 666 Ukn Con Vlt/con N36"				10,118	
STS COR 675 Dct bnk & 3" Gas Line				10,000	
STS COR 682 Shtdown #1 Rail Mods				9,432	
STS COR 683 Gas Ln & unkn Duct Bank				20,391	
STS COR 694 Tr Rts in con/car pipes				821	
STS COR 699 Dct Bnk in Cnf w 36"FM				25,895	
STS COR 702 Brk Cs Bsn cnct w N Cuv				5,001	
STS COR 703 Tunl Wakway Expn jnts				386	
STS COR 736 Addition Rein Handholes				6,340	

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	UMS	CTS	YBM	STS	COST REPORT NOTES
STS COR 737 Dct Bnk infc w AT&T Rem				5,001	
STS COR 751 Db in coflct 36" FM& MH				75,044	
STS COR 755 AWSS Material Delay				10,753	
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 844 4th & King Trcwrk Shtdn				705	
STS COR 846 Util Conf w/ 78" SW Crw				11,371	
STS COR 849 brk Pen incof w 78" Swr				485	
STS COR 852 Caltrans Encrocmt 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	
STS COR 920 Hoist Beam Supports CP5				(1,932)	
STS COR 924 Ovpod Con inconf Catbsn				2,869	
STS COR 926 E TS conduits conf w pa				10,000	
STS COR 927 E Gas Conf w N CB				3,000	
STS COR 929 MH Conf w SW Grout				14,297	
STS COR 930 SW Cracks Conf w Grout				5,000	
STS COR 931 Tree Removal				2,998	
STS COR 934 Revised Curb/Gutter				10,001	
STS COR 942 Radio Sys Prelim Design				50,001	
STS COR 954 Culvert Field Investiga				20,106	
STS COR 958 Trk Pave Change				50,001	
STS COR 962 4th/King Incomp Hrdwr				34,448	
STS COR 965 DB conf w 8" WL and Sle				92,864	

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

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	UMS	CTS	YBM	STS	COST REPORT NOTES
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 983 Ex Rbr in Cnflct w/ WL				2,137	
STS COR 987 Unkn Utl conflt w/ (N)				72,657	
STS COR 995 E 3" Asbs Conduit Cnflct				996	
STS COR 996 Prtl WI Cnflct w/ slab				4,106	
STS COR 997 E Unkn Cncrt Encsmnt				11,335	
STS COR 999 E 18" Steel Pipe Confli				0	
STS Existing Fuel & Transite in MRY				14,101	
STS PCC 052 Deletion of ARS Pt II				(177,246)	
STS PCC 063 Del ATT/TSIC/PGE on 4th				(36,495)	
STS PCC 084 Removal of ATT DB & Vau				168,173	
STS PCC 096 4th Street SW Slip Lini				828,956	
STS PCC 114 Stdpipe & Cond @ Portal				3,895	
STS PCC 117 PDS Signs Moun Brackct				50,034	
STS PCC 121 PG&E Pnts Streetlightig				282,638	
STS PCC 151 LED Street Lamps				114,108	
STS PCC 223 4th and King Advnc Wrk				32,732	
STS PCC 224 Addn'l Water Line Work				104,392	
STS PCC 227 Paving for Temp Roadway				78,020	
STS PCC 239 Excavate Duct Bank				55,916	
STS PCC 249 Add Water Line on 4th				51,513	
STS PCC 265 Phone Encl Blue Light				19,254	
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				166,841	
STS PCC 326 Train Control Cab As-Bu				31,987	
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				



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	<b>UMS</b>	<b>CTS</b>	<b>YBM</b>	<b>STS</b>	<b>COST REPORT NOTES</b>
UMS COR 102 Cap on 12 inch Water	8,001				
UMS COR 1023 CIP Wall Reinforcing	367,670				
UMS COR 1074 Traffic Signal Footing	10,001				
UMS COR 1076 Unkwn Conduits & Conc	7,141				
UMS COR 1102 New 8" WD Tie-In	95,838				
UMS COR 1161 HVAC Duct Chase	3,001				
UMS COR 1190 Mtr Pedestal at Mrkt S	10,001				
UMS COR 12 Fire Hydrant @ OFarrell	18,932				
UMS COR 1229 Granite Base Footing	2,001				
UMS COR 1299 E PG&E Vault at Ellis	50,000				
UMS COR 1301 Wtrprfng under 71 Ell	50,000				
UMS COR 1332 N Hdwl Ties @ Strut Bm	50,001				
UMS COR 1335 Scaffold @ NW Cnr Ell	5,000				
UMS COR 1344 Missing Fixture Info	11,246				
UMS COR 1353 Unkwn WD at Ellis	20,000				
UMS COR 1356 Unkwn Void at Ellis	25,000				
UMS COR 1357 Cncrs Stn Agnt Boot	10,001				
UMS COR 1366 Broken WD at Macy's	3,001				
UMS COR 1408 Esccltor #8 CMU Dowels	5,001				
UMS COR 1416 Brkrm Domestic Water	5,001				
UMS COR 1423 Slanted Wall	50,001				
UMS COR 1442 Watrprfng at Cap Bm	5,001				
UMS COR 1459 Missing CMU Wall Dim	20,001				
UMS COR 1500 Unkwn Obstr w Culvrt	5,001				
UMS COR 1506 Trough Drain Sup	2,001				
UMS COR 1507 Existing Concrete Wall	2,001				
UMS COR 1530 E Brick at Stairs 3&4	5,001				
UMS COR 1531 Comp Grout Tubes	2,001				
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				

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	UMS	CTS	YBM	STS	COST REPORT NOTES
UMS COR 726 Beam 213 Stair Opening	48,524				
UMS COR 747 NDSC Unidnfied Con Pile	50,000				
UMS COR 770 Fiil Void Sp with CDF	1,943				
UMS COR 781 Uilty Trench Supp Slab	53,673				
UMS COR 817 Odor at N. Concourse	100,000				
UMS COR 885 Light Pole Foundation	15,703				
UMS E Vault Conflicting Pile Line	18,713				
UMS FACO #31 NDSC Incomplete PGE DB	165,944				
UMS FACO #38 Pile H3 & H4 Piles	7,210				
UMS MRY Duct Bank-East Conflict	41,038				
UMS PCC 003 Date Change to Rcv Art	(10,001)				
UMS PCC 007 Geoprobe Credit	(15,600)				
UMS PCC 027 Escalator Barricade	(9,227)				
UMS PCC 029 Concrete Wale Support	41,424				
UMS PCC 038 BART Instrmnt Transfer	45,280				
UMS PCC 078 Jet Grout at O'Farrell	11,611				
UMS PCC 118 Elevator Overhead Hoist	117,170				
UMS PCC 150 S. HW Wale Connection	37,174				
UMS PCC 153 Geary Catch Basin	(5,370)				
UMS PCC 166 Revise Feeder Schedules	97,976				
UMS PCC 184 Glass Floor Support	8,089				
UMS PCC 195 Reinf. of Wall to Slab	3,947				
UMS PCC 198 Ellis Deck Vertical Joi	22,196				
UMS PCC 212 Trouble Lights	(201)				
UMS PCC 213 Electrical at Ellis St.	(5,994)				
UMS PCC 222 Delete PG&E Conduits	(12,359)				
UMS PCC 230 Ellis AT&T Work	20,131				
UMS PCC 246 Fiber Optic Cable	8,613				
UMS PCC 270 Receptacles & Circuits	102,288				
UMS PCC 291 Concourse Level Floor D	24,679				
UMS PCC 48.1 Sewer Line Conflict	744,465				
UMS PCC 71 Rerouting of Slab Drains	1,236				
UMS PCC 86 Headwall Pile Conflict	8,982				
UMS PCC 93 Ellis Deck Seismic Joint	82,603				
UMS-FACO #30 NDSC Inadequate CDF	157,462				

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	<b>UMS</b>	<b>CTS</b>	<b>YBM</b>	<b>STS</b>	<b>COST REPORT NOTES</b>
UMS-Relocation of Traffic Signal Co	32,275				
USG COR 1037 Lead Based Paint	278,001				
USG COR 1109 Plaza Conc Strs Rein	10,001				
USG COR 1117 Steel Bracing	2,501				
USG COR 1171 N Cncrs Wall Connec	50,001				
USG COR 259 Lead Paint on Columns	87,455				
USG COR 261 8" Wall at Grid 11B	5,632				
USG COR 274 Shear Wall at Grid 10	68,945				
USG COR 293 Water on N.Concourse	1,832				
USG COR 777 Rvised Bm Angle to Ceili	30,001				
USG COR 779 E WI Bm Reinf Chng	11,973				
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 102 Fire Horn-Strobe	59,219				
USG PCC 105 Adj to Row X and Row Y	31,108				
USG PCC 106 Edge of Slab for 8" Con	39,891				
USG PCC 108 Con Wok chges du to DSC	288,022				
USG PCC 110 Term of Built Up Colus	79,811				
USG PCC 112 Glass Walk Roof System	15,744				
USG PCC 116 Demo Column, Const Beam	87,028				
USG PCC 124 Irrigation Main	20,124				
USG PCC 127 Footing Elev Suvey Diff	13,771				
USG PCC 128 Dowls of Rbar Conn Dtls	170,189				
USG PCC 129 Escalator Work Point	360,528				
USG PCC 133 Sheet Metal HVAC Duct	47,102				
USG PCC 134 Temp South Wall Support	90,268				
USG PCC 141 Wtrproof & Drn at P	292,754				
USG PCC 142 Storage Light & Elect.	26,085				



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	UMS	CTS	YBM	STS	COST REPORT NOTES
USG PCC 143 Wall Conn, at GL 10/B	5,906				
USG PCC 144 Conc. Finishing/Repairs	235,172				
USG PCC 164 GL 14 Waterproofing	68,074				
USG PCC 165 Arch. Precast Support	90,705				
USG PCC 174 Fan Trench Strut Clar.	8,810				
USG PCC 186 Bollard on Ramps	28,124				
USG PCC 190 Plaza Level Slab Detail	10,409				
USG PCC 191 Column 14 A Changes	4,387				
USG PCC 31 HVAC Trench Mod.	235,133				
USG PCC 68 Ramp Barriers Handrail	35,931				
USG PCC 73 Acceleration of Work	102,203				
USG PCC 87 Tiebacks, L2, GL 14-15	219,335				
YBM COR 1062 Elevator #3 Pit Change			52,312		
YBM COR 1105 Unk UST in sidewalk			54,396		
YBM COR 1146 Traction Power Neg.			48,935		
YBM COR 1151 Steel Pipe & Steel Bea			85,000		
YBM COR 1154 Elevator Glass Cab Cha			37,010		
YBM COR 1155 Live AT&T Cable			20,000		
YBM COR 1195 Stair #4 Sheet Pile In			10,001		
YBM COR 1205 DSC Ductbank & 12" WD			29,380		
YBM COR 1223 Removable guardrail			20,001		
YBM COR 1238 No Weld Bead @ 30" FM			4,617		
YBM COR 1240 Agent booth constructi			15,001		
YBM COR 1244 Conc. encase. conflict			3,292		
YBM COR 1252 Build 20"x4" Blow Off			4,002		
YBM COR 1281 T-7 Protection			6,000		
YBM COR 1283 Chase for Refrigerant			20,001		
YBM COR 1293 Steel Line Conflict w/			4,091		
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		

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	UMS	CTS	YBM	STS	COST REPORT NOTES
YBM COR 1359 RFI #2807 F4 Light Fix			57,479		
YBM COR 1373 (E) Unknown Red Concre			15,000		
YBM COR 1377 (E) 20" Waterline conf			36,447		
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			425,000		
YBM COR 1421 Add 2' Extensions @ #7			9,000		
YBM COR 1425 Escalators 1 & 2 Stop			177,620		
YBM COR 1438 Provide Reinforcing in			10,001		
YBM COR 1447 FP Sprinkler Heads			20,001		
YBM COR 1454 Changes to Heat Recove			12,001		
YBM COR 1457 Fire Hydrant Removal			12,001		
YBM COR 1458 DSC Existing Incorrect			50,000		
YBM COR 1473 Stair #1 Added Drain			3,501		
YBM COR 1483 RFI 03283.1 Added Tren			25,001		
YBM COR 1488 RFI 2924.1 Incr Wind L			50,001		
YBM COR 1495 RFI 03309.1 Welded Clo			3,000		
YBM COR 1511 Change Coffe Beam			10,001		
YBM COR 1518 Rev. Feeder P-DS2-10			28,001		
YBM COR 1526 Under Surface Slab Sec			0		
YBM COR 1528 Topping Slab Shop Dwgs			0		
YBM COR 248 Transite pipe Folsom			3,176		
YBM COR 390 Chip Mezzanine Headwall			44,260		
YBM COR 691 Add Gurdrl to Str 5&6			45,001		
YBM COR 705 Del bems & Embds/Ven sh			(22,929)		
YBM COR 825 Tunnel Seg Steel Fibers			31,401		
YBM COR 848 Chip Invert Headwall			11,115		
YBM COR 939 Broken Water Dept. Line			66,574		
YBM COR 949 Escalator Raceways			2,500		
YBM COR 953 Added Condensate Drain			7,285		
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 132 Raise Pit Floor Elev 4			88,910		

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	UMS	CTS	YBM	STS	COST REPORT NOTES
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 182 Primers & Vents for FDs			10,099		
YBM PCC 187 Escala. 1-4 HVAC change			20,000		
YBM PCC 202 YBM Mezz Light Fixtures			74,858		
YBM PCC 209 Tract Power GRS Downsiz			(15,824)		
YBM PCC 21 Delete Instrument & Monit			(50,195)		
YBM PCC 214 FHC and AR Phones			32,360		
YBM PCC 252 Protect In-Slab Pipes			15,173		
YBM PCC 260 Folsom St. AWSS Valve			54,318		
YBM PCC 287 Elevator Cab Handrail			120,127		
YBM PCC 310 Revisions to Platform E			17,653		
YBM PCC 312 Galvanized Bent Plate			231,305		
YBM PCC 37 SFAC Node Sculpture			79,000		
YBM PCC 41 Install #7 Box Clementin			(11,089)		
YBM PCC 69 SW Bulb-out at Stair#1			101,900		
YBM PCC 76R AWSS, SSFM, WM Design			207,216		
YBM PCC 79 Install 12in WM to Howar			371,507		
YBM PCC 82 Delete Scope Due to Hote			(39,025)		
YBM PCC 85R Ticketing Hall Changes			57,586		
YBM PCC 97 Change Concourse Opening			33,963		
YBM PCC 99 Art Glass Changes			6,880		
<b>Proposed Contract Change (PCC)</b>					
CTS PCC 067 Wall Shift North Access		(1,097)			
CTS PCC 083 Switchgear Breakers		30,001			
CTS PCC 104 Water Leak NE HH		20,001			
CTS PCC 119 Pltform Lvl Wall Art In		(10,001)			
CTS PCC 135 Esc 5/6 Addl Supp Locs		10,001			
CTS PCC 167 Drn for GlS Canopy on E		5,001			
CTS PCC 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			



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	UMS	CTS	YBM	STS	COST REPORT NOTES
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			
GEN PCC 33R End Platform Gate Revisi			57,403		
STS Comm and Elec Cabinets Relocati				21,768	
STS PCC 095 Frame/Grate Change				(50,001)	
STS PCC 160 ATCS Change Reverse Run				400,000	
STS PCC 161 Delete Plat ESPBs				0	
STS PCC 206 Replace CCTV equipment				(1,600,000)	
STS PCC 226 Axle Counter Boxes				41,602	
STS PCC 236 Pavement Survey				2,000	
STS PCC 240 Conduit SFDT Reroute				4,000	
STS PCC 244 PDS Signs				(5,001)	
STS PCC 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				(20,000)	
STS PCC 288 Delete Video Display				(2,500)	
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 219 Add Data & Power Outlet	77,000				
UMS PCC 221 Slab Interaction	8,000				
UMS PCC 225 Add Two S.S. Enclosures	5,000				
UMS PCC 228 Added 2"x4" conduits	5,000				

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	<b>UMS</b>	<b>CTS</b>	<b>YBM</b>	<b>STS</b>	<b>COST REPORT NOTES</b>
UMS PCC 245 Ventilation Fan Buttons	(201)				
UMS PCC 247 Changes to RP-304	5,000				
UMS PCC 253 Pltfrm Lvl Hdwl Wale Re	35,000				
UMS PCC 256 Platform Art	(29,000)				
UMS PCC 257 Mezz Lvl Hdwl Wale Rein	35,000				
UMS PCC 261 Internal Drainage System	20,000				
UMS PCC 263 LED artwork	10,000				
UMS PCC 271 Metal Deck Support	30,000				
UMS PCC 272 PG&E Vaults on Ellis St	2,000				
UMS PCC 273 N Entrce Cncrs Lvl HVAC	30,000				
UMS PCC 275 Drainage at Stairs 3&4	2,000				
UMS PCC 277 N Entrnc WD Tie-ins	20,000				
UMS PCC 281 Power Infrastructure	50,001				
UMS PCC 282 Mezzanine N. Headwall	30,000				
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 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				
UMS PCC 334 Pothole for Sewer	5,000				
UMS PCC 94 Clean out MRY Ductbank	18,060				
USG PCC 109 Rein Dtls for Struc Con	10,001				
USG PCC 111 Conc Cemo & Rev Con Dtl	10,001				
USG PCC 113 Elv/Esc Pit Floor Slope	10,001				
USG PCC 123 South Wall Ground Beams	4,001				
USG PCC 125 Foot,SOG & Str St Chang	50,001				
USG PCC 147 Geary Streetlight	25,000				
USG PCC 154 Trench Drain at 17 Line	1,001				

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	UMS	CTS	YBM	STS	COST REPORT NOTES
USG PCC 155 16-D Footing Demolition	18,001				
USG PCC 156 CMU Footings	25,000				
USG PCC 157 Plaza Level Vent Shaft	3,000				
USG PCC 158 Elev. Pit CDF Backfill	1,500				
USG PCC 185 Wall at Line 10 and Hyd	15,000				
USG PCC 197 Precast Planter Pots	8,650				
USG PCC 199R-1 Delete Bm and Plntrs	5,000				
USG PCC 89 E. Light Pole Foundation	2,501				
YBM PCC 126R2 Changes to Kiosks			20,000		
YBM PCC 140 Stair 3, Escalators 1&2			20,001		
YBM PCC 145 Stair 7/Escalators 3, 4			20,001		
YBM PCC 148 Elev.3, 4 Hoist Beam MP			40,001		
YBM PCC 152R1 Elevator 1 & 2 changes			100,001		
YBM PCC 210 Elev 1&2 MRL to Hydraul			(5,001)		
YBM PCC 235R1 Granite Art Panel			25,001		
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 318 Station Door Hardware			50,000		
YBM PCC 320 Upsized Wires & Breaker			45,000		
YBM PCC 322 Fill Gap at Panel P-60			10,000		
YBM PCC 328 Platform lvl metal wall			0		
YBM PCC 56 OCS Pole Foundations			551		
YBM PCC 59 Pavers Basis of Design			7,516		
YBM PCC 91 Concourse Beam Revision			15,001		
<b>Approved</b>	<b>2,748,442</b>	<b>2,964,460</b>	<b>300,214</b>	<b>2,346,790</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			



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

<b>Awarded NTE Amount</b>	<b>\$839,676,400</b>	<b>\$848,036,307</b>
<b>Substantial Completion</b>	<b>2/28/2018</b>	<b>2/28/2018</b>

	UMS	CTS	YBM	STS	COST REPORT NOTES
CMod #029 STS PCC 009.1				(143,668)	
CMod #033 CTS Various CORs		56,422			
CMod #034 CTS Various CORs		19,334			
CMod #035 STS PCC 077				11,147	
CMod #037 CTS Various CORs		8,886			
CMod #038 STS Various CORs				52,553	
CMod #039 UMS Various CORs	23,271				
CMod #040 YBM Analytical Soil Test			3,655		
CMod #049 STS DSC CORs				136,728	
CMod #050 STS DSC CORs				67,036	
CMod #053 STS DSC CORs				17,035	
CMod #1 BART Elevator Option 1 @ Pow	90,000				
CMod #10 YBM PCC 042			64,287		
CMod #11 UMS PCC 002	12,997				
CMod #12 STS Traffic Control				1,032,302	
CMod #13 CTS COR 006		57,707			
CMod #15 YBM COR 196			3,178		
CMod #16 UMS COR 184	8,261				
CMod #19 CTS COR 007, 026		2,274,225			
CMod #20 YBM PCC 047 and 45			364,562		
CMod #22 UMS PCC 045, 046	16,198				
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				

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

<b>Awarded NTE Amount</b>	<b>\$839,676,400</b>	<b>\$848,036,307</b>
<b>Substantial Completion</b>	<b>2/28/2018</b>	<b>2/28/2018</b>

	UMS	CTS	YBM	STS	COST REPORT NOTES
CMod #5 YBM Deletion of Comp Groutin			(1,833,869)		
CMod #51 YBM Various CORs and PCCs			24,875		
CMod #52 YBM Undgrnd. Storage Tanks			167,393		
CMod #54 UMS USG Underpinning	732,157				
CMod #55 YBM Archeological Discovery			102,734		
CMod #56 YBM Contaminated Material			106,923		
CMod #57 STS Crossover Materials				21,245	
CMod #58 STS DSC CORs				90,081	
CMod #59 CTS DSC CORs		66,592			
CMod #6 CTS Plaza Constr Supt Servi		75,000			
CMod #60 UMS USG Two Fuel Tanks	61,312				
CMod #61 YBM Various CORs			207,181		
CMod #62 UMS Wales and Waterproofing	277,714				
CMod #63 CTS DSC CORs		38,025			
CMod #64 STS DSC CORs and SFWD				52,570	
CMod #65 UMS Various CORs and PCCs	10,320				
CMod #66 STS Sewer Notching				66,949	
CMod #67 UMS Solar/Low-e Coating	23,290				
CMod #68 STS Various CORs				59,555	
CMod #69 UMS Various CORs	49,682				
CMod #70 YBM Various CORs			178,079		
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 #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>10,321,214</b>	<b>5,992,902</b>	<b>4,973,373</b>	<b>4,291,316</b>	

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

Report Period: April 2018

		March 2018			April 2018				
Group by Contract & SCC	CATEGORY ITEM	March 2018 Base	March 2018 Allocated Contingency	March 2018 Base + Allocated Contingency (YOE)	April 2018 Base	April 2018 Allocated Contingency	April 2018 Base + Allocated Contingency (YOE)	BUDGET TRANSFERS [March 2018] vs. [April 2018]	Cost Report Notes
<b>10-50</b>	<b>CONSTRUCTION CONTRACT PACKAGES</b>	<b>1,148,156,479</b>	<b>33,766,524</b>	<b>1,181,923,003</b>	<b>1,148,156,479</b>	<b>33,766,524</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>848,036,307</b>	<b>31,640,093</b>	<b>879,676,400</b>	<b>848,036,307</b>	<b>31,640,093</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	250,532,270	7,035,540	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]	158,389,214	4,699,787	163,089,001	158,389,214	4,699,787	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]	142,335,790	2,653,209	144,988,999	142,335,790	2,653,209	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: April 2018

		March 2018			April 2018				
Group by Contract & SCC	CATEGORY ITEM	March 2018 Base	March 2018 Allocated Contingency	March 2018 Base + Allocated Contingency (YOE)	April 2018 Base	April 2018 Allocated Contingency	April 2018 Base + Allocated Contingency (YOE)	BUDGET TRANSFERS [March 2018] vs. [April 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>310,518,041</b>	<b>18,221,079</b>	<b>328,739,120</b>	<b>310,518,041</b>	<b>18,221,079</b>	<b>328,739,120</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: April 2018

		March 2018			April 2018				
Group by Contract & SCC	CATEGORY ITEM	March 2018 Base	March 2018 Allocated Contingency	March 2018 Base + Allocated Contingency (YOE)	April 2018 Base	April 2018 Allocated Contingency	April 2018 Base + Allocated Contingency (YOE)	BUDGET TRANSFERS [March 2018] vs. [April 2018]	Cost Report Notes
80.04	CONSTRUCTION ADMINISTRATION & MANAGEMENT	91,096,881	2,956,812	94,053,693	91,096,881	2,956,812	94,053,693	0	
80.05	INSURANCES	6,800,000		6,800,000	6,800,000		6,800,000	0	
80.06	LEGAL: PERMITS. REVIEW FEES BY OTHER AGENCIES	8,212,604		8,212,604	8,212,604		8,212,604	0	
80.07	SURVEYS, TESTING, INVESTIGATION. INSPECTION	933,100		933,100	933,100		933,100	0	
80.08	START-UP	6,941,907	1,358,422	8,300,329	6,941,907	1,358,422	8,300,329	0	
	<b>ALL SCC CATEGORIES 10 TO 80</b>	<b>1,504,229,842</b>	<b>65,064,256</b>	<b>1,569,294,097</b>	<b>1,504,229,842</b>	<b>65,064,256</b>	<b>1,569,294,097</b>		37
90	<b>UNALLOCATED CONTINGENCIES</b>			<b>9,005,906</b>			<b>9,005,906</b>		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>			74,070,161			74,070,161		
	<b>CONTINGENCY MINIMUM</b>			25,000,000			25,000,000		
	<b>BELOW OR ABOVE MINIMUM</b>			<b>49,070,161</b>			<b>49,070,161</b>		

COST STATUS BY CATEGORY	SCC CODES	Supplemental 2013 Budget/Original Budget	BUDGET March 2018	BUDGET TRANSFERS	BUDGET April 2018	April 2018 CTD	Remaining Budget (Column F - Column G)	April 2018 EAC	April 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	268,356,898	16,870,981	285,039,946	966,430	39
STATIONS, STOPS, TERMINALS, INTERMODAL	SCC 020	573,099,645	586,414,555	-	586,414,555	394,953,133	191,461,422	559,960,039	31,640,093	39
SITework & SPECIAL CONDITIONS	SCC 040	235,514,097	214,938,742	-	214,938,742	204,494,652	10,444,090	224,205,385	1,160,000	39
SYSTEMS	SCC 050	90,774,397	95,341,827	-	95,341,827	33,649,217	61,692,610	96,190,008		39
ROW, LAND, EXISTING IMPROVEMENTS	SCC 060	37,511,799	32,246,321	-	32,246,321	30,648,969	1,597,352	32,246,321		
VEHICLES	SCC 070	26,385,653	26,385,653	-	26,385,653	10,598,347	15,787,306	13,309,000	13,076,653	
PRELIM ENGINEERING	SCC 080.01	46,202,673	46,202,674	-	46,202,674	46,202,675	(1)	46,202,674		
FINAL DESIGN	SCC 080.02	61,137,604	61,318,331	-	61,318,331	61,199,308	119,023	61,318,331		
PM FOR DESIGN & CONSTRUCTION	SCC 080.03 - 080.04	197,146,664	196,972,082	-	196,972,082	144,533,322	52,438,760	180,109,425	16,862,657	
OTHER PROF SRVCS	SCC 080.05 - 080.08	24,416,118	24,246,033	-	24,246,033	11,695,738	12,550,295	22,887,611	1,358,422	
UNALLOC CONTINGENCY	SCC 090	3,883,480	9,005,903	-	9,005,903		9,005,903		9,005,906	
<b>Grand Total</b>		<b>1,578,300,000</b>	<b>1,578,300,001</b>	<b>-</b>	<b>1,578,300,001</b>	<b>1,206,332,258</b>	<b>371,967,742</b>	<b>1,521,468,740</b>	<b>74,070,161</b>	



SCC DESCRIPTION	April 2018 BUDGET	April 2018 CTD
010 - GUIDEWAY & TRACK ELEMENTS	285,227,879	268,356,898
020 - STATIONS, STOPS, TERMINALS, INTERMODAL	586,414,555	394,953,133
040 - SITEWORK & SPECIAL CONDITIONS	214,938,742	204,494,652
050 - SYSTEMS	95,341,827	33,649,217
060 - ROW, LAND, EXISTING IMPROVEMENTS	32,246,321	30,648,969
070 - VEHICLES (number)	26,385,653	10,598,347
080 - PROFESSIONAL SERVICES (applies to Cats. 10-50)	328,739,120	263,631,043
090 - UNALLOCATED CONTINGENCY	9,005,903	
<b>Grand Total</b>	<b>1,578,300,001</b>	<b>1,206,332,258</b>

SCC DESCRIPTION	April 2018 BUDGET	April 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	63,660,792
010.07-Guideway: Underground tunnel	201,340,746	193,361,691
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	2,635,652
020.02-Aerial station, stop, shelter, mall, terminal, platform	2,653,209	0
020.03-Underground station, stop, shelter, mall, terminal, platform	554,456,652	383,963,335
020.07-Elevators, escalators	21,701,837	8,354,146
040.01-Demolition, Clearing, Earthwork	12,355,615	12,078,515
040.02-Site Utilities, Utility Relocation	61,068,038	67,730,703
040.03-Haz. mat'l, contam'd soil removal/mitigation, ground water treatments	7,534,128	5,640,776
040.04-Environmental mitigation, e.g. wetlands, historic/archeologic, parks	1,122,899	557,590
040.05-Site structures including retaining walls, sound walls	2,706,431	2,706,431
040.06-Pedestrian / bike access and accommodation, landscaping	9,790,995	3,260,655
040.07-Automobile, bus, van accessways including roads, parking lots	6,579,099	4,963,532
040.08-Temporary Facilities and other indirect costs during construction	113,781,537	107,556,449
050.01-Train control and signals	28,127,939	7,619,133
050.02-Traffic signals and crossing protection	12,562,529	11,145,048
050.03-Traction power supply: substations	21,465,073	11,658,153
050.04-Traction power distribution: catenary and third rail	12,441,113	1,802,370
050.05-Communications	12,030,586	1,231,660
050.06-Fare collection system and equipment	6,100,000	152,852
050.07-Central Control	2,614,586	40,001
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	10,598,347
080.01-Preliminary Engineering	46,202,674	46,202,675
080.02-Final Design	61,318,331	61,199,308
080.03-Project Management for Design and Construction	102,918,390	70,356,422
080.04-Construction Administration & Management	94,053,693	74,176,900
080.05-Professional Liability and other Non-Construction Insurance	6,800,000	6,340,196
080.06-Legal; Permits; Review Fees by other agencies, cities, etc.	8,212,604	4,497,714
080.07-Surveys, Testing, Investigation, Inspection	933,100	857,829
080.08-Start up	8,300,329	0
090.00-Unallocated Contingency	9,005,903	
<b>Grand Total</b>	<b>1,578,300,001</b>	<b>1,206,332,258</b>

[A] Cost Account Description	BUDGET	ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
	[B] April 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>	<b>40</b>
11 - SFMTA PROJECT MANAGEMENT	8,800,164	8,253,957	0	0	8,253,957	546,208	41
12 - SFMTA ENGINEERING SERVICES	11,425,594	11,425,594	0	0	11,425,594	0	42
16 - DEPARTMENT OF PARKING AND TRAFFIC (DPT)	921,906	802,883	0	0	802,883	119,023	
21 - ARTS COMMISSION	1,500,570	1,500,570	0	0	1,500,570	0	43
22 - FIRE DEPARTMENT	33,825	33,825	0	0	33,825	0	
23 - CITY ATTORNEY'S OFFICE	1,234,754	1,234,754	0	0	1,234,754	0	
24 - RISK MANAGEMENT	0	0	0	0	0	0	
26 - PLANNING	99,604	99,604	0	0	99,604	0	
27 - DEPARTMENT OF PUBLIC HEALTH (DPH)	4,420	4,420	0	0	4,420	0	
29 - CITY AUDITOR	336,735	336,735	0	0	336,735	0	44
32 - DPW - IDC ENGINEERING (HYDRAULIC)	3,336,432	3,336,432	0	0	3,336,432	0	
34 - DPW - IDC CONSTRUCTION (CAPTITAL)	17,462	17,462	0	0	17,462	0	
36 - DPW - BSM INFRASTRUCTURE (MAPPING)	76,549	76,549	0	0	76,549	0	
39 - DPW - PCS SITE ASSESSMENT & REMEDIATION (SAR)	13,993	13,993	0	0	13,993	0	
51 - 821 HOWARD STREET	1,005,653	1,005,653	0	0	1,005,653	0	
55 - 651 BRANNAN	2,294,910	2,294,910	0	0	2,294,910	0	45
63 - CENTRAL SUBWAY PARTNERSHIP - AECOM-EPC JV CONTRACT 149	26,793,234	26,793,234	0	0	26,793,234	0	46
66 - ANIL VERMA	395,204	395,204	0	0	395,204	0	47
67 - HILL INTERNATIONAL CONTRACT 156	6,716,294	6,716,294	0	0	6,716,294	0	48
68 - ARTHUR GALLAGER & CO. CS 164	6,800,000	6,340,196	0	0	6,340,196	459,804	
71 - TUNNEL/UTILITIES - CONTRACT # CONTRACT 155-1	5,469,336	5,469,336	0	0	5,469,336	0	49
72 - STATIONS - CONTRACT # CONTRACT 155-2	26,220,609	26,220,609	0	0	26,220,609	0	50
73 - SYSTEMS/INTEGRATION - CONTRACT 155-3	11,432,312	11,432,312	0	0	11,432,312	0	51
331 - BAY AREA RAPID TRANSIT (BART)	146,427	146,427	0	0	146,427	0	
332 - SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY (SFCTA)	0	0	0	0	0	0	
<b>TOTAL FINAL DESIGN</b>	<b>115,075,988</b>	<b>113,950,952</b>	<b>0</b>	<b>0</b>	<b>113,950,952</b>	<b>1,125,035</b>	
11 - SFMTA PROJECT MANAGEMENT	15,589,933	10,794,604	86,545	123,048	10,917,652	4,672,281	
1.3.011.01.080.03 - CM:SFMTA LABOR-PROJECT MANAGEMENT	15,589,933	10,794,604	86,545	123,048	10,917,652	4,672,281	
12 - SFMTA ENGINEERING SERVICES	2,923,582	2,515,205	2,124	5,289	2,520,494	403,088	
1.3.012.02.080.04 - CM: SFMTA LABOR-ENGINEERING CONTRACT 1252	123,582	57,648	0	0	57,648	65,934	
1.3.012.06.080.04 - CM: SFMTA LABOR-ENGINEERING CONTRACT 1300	2,800,000	2,457,557	2,124	5,289	2,462,846	337,154	
13 - SFMTA CONSTRUCTION MANAGEMENT	37,118,350	12,602,032	89,217	165,448	12,767,480	24,350,871	
1.3.013.01.080.04 - CM:SFMTA LABOR-CONSTR. MANAGEM	37,118,350	12,602,032	89,217	165,448	12,767,480	24,350,871	
16 - DEPARTMENT OF PARKING AND TRAFFIC (DPT)	3,659,313	2,100,967	5,019	(179)	2,100,788	1,969,379	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT UMS	299,600	100,879	4,021	(1,549)	99,331	200,269	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT CTS	274,900	97,586	869	1,555	99,141	175,759	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT YBM	238,400	149,833	130	(322)	149,510	88,890	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT STS	876,876	258,533	0	136	258,669	618,207	



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	[B] April 2018 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total		
1.3.016.02.040.08 - DPT: FIELD OPS TUNNEL [B84]	0	1,464	0	0	1,464	(1,464)	
1.3.016.02.040.08 - DPT: FIELD OPS TUNNEL [B86]	0	204,261	0	0	204,261	(204,261)	
1.3.016.06.040.02 - DPT:DPT TRAFFIC SHOP CONTRACT 1300	1,200,000	0	0	0	0	1,200,000	
1.3.016.08.040.08 - DPT:PCOS:2UTL [68A]	400,728	400,728	0	0	400,728	0	
1.3.016.08.040.08 - DPT:SSD CN:2UTL	0	108,020	0	0	108,020	(108,020)	
1.3.016.08.080.04 - DPT:SSD [1326]	252,536	252,536	0	0	252,536	0	
1.3.016.08.080.04 - DPT:SSD [13BN]	23,302	23,302	0	0	23,302	0	
1.3.016.08.080.04 - DPT:SSD [13CN]	963	963	0	0	963	0	
1.3.016.08.080.04 - DPT:SSD [B85]	92,008	92,008	0	0	92,008	0	
1.3.016.03.040.08 - PCOS:1300/UMS [68CPT544132W.CPT544132W]	0	161,753	0	0	161,753	(161,753)	
1.3.016.05.040.08 - 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	0	65,618	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	0	24,468	25,788	
1.3.018.06.080.07 - OPS:SUPPORT TO CONTRACT 1300/UMS	249,745	14,681	0	0	14,681	235,063	
19 - OTHER SFMTA	700,000	944,829	0	0	944,829	(244,829)	
1.3.019.07.080.07 - OTH.MTA SFMTA-SURVEY; TSTG [6840]	1,800	714	0	0	714	1,086	
1.3.019.08.040.08 - OTH.MTA 1251 MATERIALS	150,000	126,149	0	0	126,149	23,851	
1.3.019.08.080.07 - OTH.MTA OPERATION SUPPORT DUR1	548,200	817,966	0	0	817,966	(269,766)	
21 - ARTS COMMISSION	12,010,886	3,960,640	94,830	40,095	4,000,734	8,010,152	
1.3.021.01.040.06 - ARTS:CTYCO-ARTS COMMISSION CONSTRUCTION COSTS	4,772,555	0	0	0	0	4,772,555	
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [1227]	1,902,044	388,167	0	0	388,167	1,513,877	52
1.3.021.01.080.04 - ARTS:CTYCO-ARTS COMMISSION [PWE335MPFUNA.CPT5441227]	21,000	12,465	0	0	12,465	8,535	
1.3.021.06.080.03 - ARTS:CTYCO-ARTS COMMISSION PM [285MC.132J]	653,244	657,161	3,916	5,213	662,374	(9,130)	
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [PWA335MPFUNA.CPT5441327]	8,512	8,512	0	472	8,984	(472)	
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [PWE335MPFUNA.CPT5441327]	4,439	4,439	0	0	4,439	0	
1.3.021.06.040.06 - ARTS:CTYCO-ARTS COMMISSION [68CPT5441327.CPT5441327]	1,500,000	1,393,660	0	0	1,393,660	106,340	
1.3.021.06.040.06 - ARTS:CTYCO-ARTS COMMISSION [285MCPFUNA.CPT5441327]	1,903,000	1,496,236	90,913	34,409	1,530,645	372,355	
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [132J]	86,091	0	0	0	0	86,091	
1.3.021.97.040.06 - ARTS:ARTS COMMISSION ALLOC CO	1,160,000	0	0	0	0	1,160,000	
23 - CITY ATTORNEY'S OFFICE	2,171,781	1,474,969	0	0	1,474,969	696,812	
1.3.023.01.080.06 - ATTY:CN LEGAL-CITY ATTORNEY OF	2,171,781	1,474,969	0	0	1,474,969	696,812	
25 - PUBLIC UTILITIES COMMISSION SEWER	(2,925,296)	0	0	0	0	(2,925,296)	
1.3.025.09.040.02 - STS.1256: SITE UTILITIES SFPUC SEWER MAIN	(2,925,296)	0	0	0	0	(2,925,296)	
26 - PLANNING	137,062	26,697	0	0	26,697	110,365	
1.3.026.01.080.06 - CM:CTYCO-PLANNING DEPARTMENT	137,062	26,697	0	0	26,697	110,365	
28 - PUBLIC UTILITIES COMMISSION WATER	4,242,012	3,802,705	56,658	36,968	3,839,673	402,339	
1.3.028.02.040.02 - CM:CTYCO-PUBLIC UTIL COMM. (PUC)	0	4,745	0	0	4,745	(4,745)	
1.3.028.02.040.08 - PUC: FIELD OPERATIONS TUNNEL	398,400	508,800	0	0	508,800	(110,400)	

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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	278,555	23,803	8,931	287,486	318,868	
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	51,977	5,435	1,127	53,104	61,896	
1.3.028.05.040.02 - PUC:CDD CONTRACT 1300/YBM SUPPORT	450,282	380,627	10,742	6,752	387,379	62,903	
1.3.028.05.080.04 - PUC:CMB CONTRACT 1300/YBM INSPECTION	184,000	89,928	6,061	6,401	96,328	87,672	
1.3.028.06.040.02 - PUC:CMB CONTRACT 1300/SFWD AWSS MATERIAL	225,079	236,115	1,650	6,305	242,419	(17,340)	
1.3.028.07.040.02 - PUC:PUC CDD WATER CONNECTION CONTRACT 1250	248,035	291,501	0	0	291,501	(43,466)	
1.3.028.07.080.04 - PUC:PUC CMB INSPECTION CONTRACT 1250	74,468	113,844	0	0	113,844	(39,376)	
1.3.028.08.040.02 - PUC:PUC CDD WATER CONNECTION CONTRACT 1251 [445]	340,310	318,130	0	0	318,130	22,180	
1.3.028.08.080.04 - PUC:PUC CMB INSPECTION CONTRACT 1251	266,252	289,424	0	0	289,424	(23,172)	
1.3.028.09.040.02 - PUC:CMB CONTRACT 1300/STS SUPPORT	520,077	624,987	8,015	5,983	630,969	(110,892)	
1.3.028.09.080.04 - PUC:CMB CONTRACT 1300/STS INSPECTION	207,000	286,020	952	1,469	287,489	(80,489)	
<b>32 - DPW - IDC ENGINEERING (HYDRAULIC)</b>	<b>1,150,459</b>	<b>276,165</b>	<b>330</b>	<b>1,235</b>	<b>277,400</b>	<b>783,722</b>	
1.3.032.01.080.04 - CM:DPW:1424J-BUREAU OF ENGINEERING (BOE) [AB12]	(285,405)	(285,405)	0	0	(285,405)	0.00	
1.3.032.03.080.04 - DPW IDC HYDRAULIC CN1300 UMS SUPPORT	297,938	39,017	0	0	39,017	258,921	
1.3.032.04.080.04 - DPW IDC HYDRAULIC CN1300 CTS SUPPORT	295,639	22,125	0	0	22,125	273,514	
1.3.032.05.080.04 - DPW IDC HYDRAULIC CN1300 YBM SUPPORT	301,882	33,368	0	0	33,368	268,514	
1.3.032.06.080.04 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112B112]	85,275	85,275	0	0	85,275	0.00	53
1.3.032.06.080.04-1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112C112]	109,658	109,658	0	0	109,658	0.00	54
1.3.032.06.080.04 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112D112]	15,791	15,791	0	0	15,791	0.00	55
1.3.032.06.080.04 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112E112]	11,193	11,193	0	0	11,193	0	56
1.3.032.06.080.04 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112F112]	107,798	107,798	0	0	107,798	0	57
1.3.032.06.080.04 -1424J-BOE LABOR [PWE1X5MPFUNA.CPT544112G112]	21,690	47,917	0	0	47,917	(26,227)	58
1.3.032.08.080.04 - DPW.HYRDDPW-BOE IDC ENG SVC DC	9,000	0	0	0	0	9,000	
1.3.032.09.080.04 - DPW IDC HYDRAULIC CN1300 STS SUPPOR	180,000	89,428	330	1,235	90,663	89,337	
<b>34 - DPW - IDC CONSTRUCTION (CAPITAL)</b>	<b>6,703,969</b>	<b>6,345,071</b>	<b>0</b>	<b>0</b>	<b>6,345,071</b>	<b>358,898</b>	
1.3.034.01.080.04 - DPW:BCM LABOR [2113]	2,140,142	2,140,142	0	0	2,140,142	0	
1.3.034.02.080.04 - DPW:CONSTR:1252 CM [CD12]	1,207,603	1,207,603	0	0	1,207,603	0	
1.3.034.02.080.04 - DPW:CONSTR:1252 CM [13AC12]	138,397	138,397	0	0	138,397	0	
1.3.034.06.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [132112]	506,858	506,858	0	0	506,858	0	
1.3.034.06.080.04 - DPW:CONSTR:1300 CM [13CP12]	2,710,969	2,352,071	0	0	2,352,071	358,898	
<b>36 - DPW - BSM INFRASTRUCTURE (MAPPING)</b>	<b>465,562</b>	<b>111,741</b>	<b>0</b>	<b>0</b>	<b>111,741</b>	<b>353,821</b>	
1.3.036.01.080.04 - DPW:MPPG:DPW-BUREAU OF ST USE	367,129	32,680	0	0	32,680	334,449	
1.3.036.02.080.04 - DPW:MPPG:1300-DPW-BUREAU OF ST USE [13CG12]	50,000	33,084	0	0	33,084	16,916	
1.3.036.02.080.06 - DPW:MPPG:DPW-BUREAU OF ST USE [13CF]	48,433	45,977	0	0	45,977	2,456	
<b>37 - DPW - PCS MATERIAL TESTING LABORATORY</b>	<b>83,100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>83,100</b>	
1.3.037.01.080.07 - DPW.MTL.LABDPW-MATERIAL TESTIN	83,100	0	0	0	0	83,100	
<b>39 - DPW - PCS SITE ASSESSMENT &amp; REMEDIATION (SAR)</b>	<b>613,853</b>	<b>438,455</b>	<b>0</b>	<b>0</b>	<b>438,455</b>	<b>175,398</b>	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2213]	92,459	92,459	0	0	92,459	0	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2250]	78,400	78,400	0	0	78,400	0	

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1.3.039.01.080.04 -DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2257]	151,515	151,515	0	0	151,515	0	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2313]	24,343	24,343	0	0	24,343	0	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION	58,757	10,109	0	0	10,109	48,648	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [CE13]	31,367	31,367	0	0	31,367	0	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [CH13]	100,000	8,621	0	0	8,621	91,379	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR)	17,000	0	0	0	0	17,000	
1.3.039.02.080.04 - DPW: SITE ASSESSMENT & REMEDIATION (SAR) – CN1252 [13CE11]	18,632	16,880	0	0	16,880	1,753	
1.3.039.02.080.04 - DPW: SITE ASSESSMENT & REMEDIATION (SAR) – CN1300 [13CH11]	41,379	24,761	0	0	24,761	16,618	
46 - MACY'S WEST - SFPUC SEWER WORK	258,202	258,202	0	0	258,202	0	
1.3.046.08.040.02 - MCY.SWRC. CONTRACT: MACY'S-SEW	258,202	258,202	0	0	258,202	0	
51 - 821 HOWARD STREET	770,843	631,737	367	288	632,025	138,818	
1.3.051.01.080.03 - ODC.HWRD:ODCs - 821 HOWARD STR	696,753	600,772	0	288	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	18,555	0	0	18,555	36,445	
1.3.051.06.080.04 - ODC.HWRD:W/MTA INST WTR SVC @ STS&YBM TRAILER	9,090	11,355	367	0	11,355	(2,265)	
55 - 651 BRANNAN	10,348	10,348	0	0	10,348	0	
1.3.055.01.080.03 - CM:ODCs - 651 BRANNAN STREET	10,348	10,348	0	0	10,348	0	59
63 - CENTRAL SUBWAY PARTNERSHIP - AECOM-EPC JV CONTRACT 149	49,490,087	38,275,710	(614,815)	2,266,898	40,542,608	8,947,479	
1.3.063.01.080.03 - CM:PM:AECOM.CS149 OM-EPC JV CS149-PM	6,746,248	5,017,804	0	0	5,017,804	1,728,444	60
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3B]	2,074,243	1,969,213	0	0	1,969,213	105,030	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3E]	7,000,000	6,386,250	0	0	6,386,250	613,750	
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3E][PM]	1,596,563	1,596,563	0	0	1,596,563	0	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3F]	4,101,465	4,101,466	0	0	4,101,466	(0)	
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3F][PM]	1,025,366	1,025,366	0	0	1,025,366	0	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3G]	6,195,477	5,241,809	(953,668)	1,287,251	6,529,061	(333,584)	
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3G][PM]	1,799,052	1,310,452	(238,417)	321,813	1,632,265	166,787	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3H]	1,000,000	2,772,004	352,773	393,275	3,165,279	(2,165,279)	
1.3.063.01.080.03 - CM:AECOM.CS149OM-EPC JV CS-149 [3H][PM]	1,000,000	693,001	88,193	98,319	791,320	208,680	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9B]	11,042	11,042	0	0	11,042	0	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9D]	550,000	515,694	0	0	515,694	34,306	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9E]	600,000	523,943	0	0	523,943	76,057	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9F]	461,196	461,196	0	0	461,196	0	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9G]	501,912	501,912	0	0	501,912	0	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [9H]	431,747	568,050	136,303	166,240	734,291	(302,544)	
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	13,905,845					13,905,845	
64 - CN1300 JOB READINESS PROGRAM	1,060,000	416,670	0	180,000	596,670	463,330	61
1.3.064.06.040.08 - CN1300 JOB READINESS PROGRAM	1,060,000	416,670	0	180,000	596,670	463,330	
67 - HILL INTERNATIONAL CONTRACT 156	11,000,000	2,638,176	24,850	48,549	2,686,725	8,313,275	
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	



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	[B] April 2018 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total		
1.3.067.01.080.03 - HILL INTERNATIONAL CS156 AWP 2016 [68CPT5441340.CPT5441340]	8,852,240	883,631	0	0	883,631	7,968,609	
1.3.067.01.080.03 - HILL INTERNATIONAL CS156 AWP 2017 [68CPT5441346.CPT5441346]	566,925	173,711	24,850	48,549	222,260	344,665	
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	12,769,087	(252,502)	1,239,975	14,009,063	(4,396,647)	
1.3.072.01.080.04 - CM: CS155.2 DESIGN SUPPORT DURING CM [1233]	51,351	51,351	0	0	51,351	0	64
1.3.072.01.080.04 - CM: CS155.2 DESIGN SUPPORT DURING CM [1333]	9,561,065	12,717,737	(252,502)	1,239,975	13,957,712	(4,396,647)	
73 - SYSTEMS/INTEGRATION - CONTRACT 155-3	4,828,269	3,116,573	88,999	22,509	3,139,082	1,689,187	
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	3,026,782	88,999	22,509	3,049,291	1,688,978	
81 - UTILITIES RELOCATION #1 (PORTAL & MOS) - CONTRACT 1250	11,968,150	11,968,150	0	0	11,968,150	0	
1.3.081.07.040.01 - UR1.CONTRACT 1250:SITWORK: DEMOLIT	167,458	167,458	0	0	167,458	0	
1.3.081.07.040.02 - UR1.CONTRACT 1250:SITWORK: UTILITI	10,099,341	10,099,341	0	0	10,099,341	0	
1.3.081.07.040.03 - UR1.CONTRACT 1250:SITWORK:HAZMAT	453,321	453,321	0	0	453,321	0	
1.3.081.07.040.08 - UR1.CONTRACT 1250:SITWORK:TEMPORAR	1,248,030	1,248,030	0	0	1,248,030	0	
82 - UTILITIES RELOCATION #2 (UMS) - CONTRACT 1251	20,669,081	20,669,081	0	0	20,669,081	(0)	65
1.3.082.08.040.01 - UR2.CONTRACT 1251:SITWORK: DEMOLIT	752,240	752,240	0	0	752,240	0	
1.3.082.08.040.02 - UR2.CONTRACT 1251:SITWORK: UTILITI	10,202,543	10,202,543	0	0	10,202,543	(0)	
1.3.082.08.040.03 - UR2.CONTRACT 1251:SITWORK:HAZMAT	172,712	172,712	0	0	172,712	0	
1.3.082.08.040.05 - UR2.CONTRACT 1251:SITWORK: STRUCTU	2,706,431	2,706,431	0	0	2,706,431	0	
1.3.082.08.040.06 - UR2.CONTRACT 1251:SITWORK:PEDESTRA	319,317	319,317	0	0	319,317	0	
1.3.082.08.040.07 - UR2.CONTRACT 1251:SITWORK:AUTO/BUS	190,362	190,362	0	0	190,362	0	
1.3.082.08.040.08 - UR2.CONTRACT 1251:SITWORK:TEMP FAC	6,325,476	6,325,476	0	0	6,325,476	0	
<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	

[A] Cost Account Description	BUDGET	ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
	[B] April 2018 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total		
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>596,276,001</b>	<b>7,458,267</b>	<b>7,595,190</b>	<b>603,871,191</b>	<b>275,805,209</b>	<b>69</b>
<b>84 - UNION SQUARE/MARKET STREET STATION (UMS) - WORK PACKAGE 1253</b>	<b>294,030,590</b>	<b>228,208,887</b>	<b>3,227,228</b>	<b>1,830,536</b>	<b>230,039,423</b>	<b>63,991,167</b>	<b>21</b>
1.3.084.03.020.03 - UMS.1253: UNDERGROUD STATION	253,081,452	200,066,342	3,051,975	1,161,894	201,228,236	51,853,216	
1.3.084.03.020.07 - UMS.1253: ELEVATORS ESCALATOR	9,465,694	3,076,256	0	453,132	3,529,388	5,936,306	
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	3,384,590	162,753	165,250	3,549,840	810,555	
1.3.084.03.040.03 - UMS.1253: HAZARDOUS MATERIALS	550,000	32,549	0	0	32,549	517,451	
1.3.084.03.040.04 - UMS.1253: ENVIRONMENTAL MITIGA	244,500	194,500	0	0	194,500	50,000	
1.3.084.03.040.06 - UMS.1253: PEDESTRIAN/BIKE	18,969	12,501	0	0	12,501	6,468	
1.3.084.03.040.07 - UMS.1253: AUTOMOBILE BUS ACCE	1,158,410	393,701	0	6,250	399,951	758,459	
1.3.084.03.040.08 - UMS.1253: TEMPORARY FACILITIES	11,139,701	9,895,351	10,000	38,510	9,933,861	1,205,840	
1.3.084.03.050.02 - UMS.1253: TRAFFIC SIGNALS AND	4,773,076	4,711,076	0	0	4,711,076	62,000	
1.3.084.03.050.03 - UMS.1253: TRACTION POWER SUPPL	1,815,534	228,704	0	5,000	233,704	1,581,830	
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	92,051	2,500	500	92,551	1,041,763	
<b>84 - UNION SQUARE/MARKET STREET STATION (UMS) CMODs</b>	<b>2,748,442</b>	<b>2,626,091</b>	<b>0</b>	<b>0</b>	<b>2,626,091</b>	<b>122,351</b>	
1.3.084.84.020.03 - CMOD:UMS.1253: UNDERGROUD STATION	60,746	21,258	0	0	21,258	39,488	
1.3.084.84.020.07 - CMOD:UMS.1253: ELEVATORS, ESCALATORS	90,000	90,000	0	0	90,000	0	
1.3.084.84.040.01 - CMOD:UMS.1253: DEMOLITION CLEARING	944,987	944,987	0	0	944,987	0	
1.3.084.84.040.02 - CMOD:UMS.1253: SITE UTILITIES UTIL	1,494,678	1,411,815	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>170,555,315</b>	<b>1,874,148</b>	<b>1,877,076</b>	<b>172,432,391</b>	<b>75,135,419</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	66,703,661	397,884	1,786,577	68,490,238	64,510,815	
1.3.085.04.020.07 - CTS.1254: ELEVATORS ESCALATOR	6,812,856	1,450,001	0	79,999	1,530,000	5,282,856	
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	(8,000)	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	16,185,272	10,000	10,000	16,195,272	376,050	
1.3.085.04.050.02 - CTS.1254: TRAFFIC SIGNALS AND	1,599,593	1,290,718	10,698	0	1,290,718	308,875	
1.3.085.04.050.03 - CTS.1254: TRACTION POWER SUPPL	4,063,927	2,822,993	1,460,566	0	2,822,993	1,240,934	
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	21,500	3,000	500	22,000	1,636,938	

[A] Cost Account Description	BUDGET	ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
	[B] April 2018 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total		
85 - CHINATOWN STATION (CTS) CMODs	2,964,460	2,817,342	3	38,025	2,855,367	109,094	71
1.3.085.85.020.03 - CMOD:CTS.1254: UNDERGROUND STATION	75,000	0	0	0	0	75,000	
1.3.085.85.040.01 - CMOD:CTS.1254: POWER POLE	155,956	148,212	0	0	148,212	7,744	
1.3.085.85.040.02 - CMOD:CTS.1254: SITE UTILITIES UTIL	401,572	337,200	0	38,025	375,225	26,347	
1.3.085.85.040.03 - CMOD:CTS.1254: HAZARDOUS MATERIALS	2,274,225	2,274,223	3	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
86 - YERBA BUENA MOSCONE STATION (YBM) - WORK PACKAGE 1255	158,089,000	120,786,525	1,385,861	2,061,018	122,847,543	35,241,457	
1.3.086.05.020.03 - YBM.1255: UNDERGROUND STATION	118,405,840	92,054,373	971,341	1,323,553	93,377,926	25,027,914	
1.3.086.05.020.07 - YBM.1255: ELEVATORS ESCALATOR	5,333,287	2,685,027	143,323	519,731	3,204,758	2,128,529	
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	6,780,795	6,150	39,521	6,820,316	342,962	
1.3.086.05.040.03 - YBM.1255: HAZARDOUS MATERIALS	2,629,439	1,859,839	0	131,203	1,991,042	638,397	73
1.3.086.05.040.04 - YBM.1255: ENVIRONMENTAL MITIGA	100,000	0	0	0	0	100,000	
1.3.086.05.040.06 - YBM.1255: PEDESTRIAN/BIKE	16,665	1	0	0	1	16,664	
1.3.086.05.040.07 - YBM.1255: AUTOMOBILE BUS ACCE	1,542,725	1,233,045	0	0	1,233,045	309,680	
1.3.086.05.040.08 - YBM.1255: TEMPORARY FACILITIES	15,564,753	12,587,546	99,203	43,510	12,631,056	2,933,697	
1.3.086.05.050.02 - YBM.1255: TRAFFIC SIGNALS AND	1,726,492	1,723,992	9,238	0	1,723,992	2,500	
1.3.086.05.050.03 - YBM.1255: TRACTION POWER SUPPL	3,708,425	834,300	0	3,500	837,800	2,870,625	
1.3.086.05.050.05 - YBM.1255: COMMUNICATIONS	1,241,096	370,607	156,606	0	370,607	870,489	
86 - YERBA BUENA MOSCONE STATION (YBM) CMODs	300,214	(191,670)	0	0	(191,670)	491,884	
1.3.086.86.020.03 - CMOD:YBM.1255: UNDERGROUND STATION	(1,843,480)	(1,843,480)	0	0	(1,843,480)	0	
1.3.086.86.040.01 - CMOD:YBM.1255: DEMOLITION CLEARING	266,386	259,386	0	0	259,386	7,000	73
1.3.086.86.040.02 - CMOD:YBM.1255: SITE UTILITIES UTIL	1,585,079	1,135,684	0	0	1,135,684	449,395	
1.3.086.86.040.03 - CMOD:YBM.1255: HAZARDOUS MATERIALS	150,828	150,828	0	0	150,828	0	
1.3.086.86.040.04 - CMOD:YBM.1255: ENVIRONMENTAL MITIGA	102,734	102,734	0	0	102,734	0	
1.3.086.86.040.06 - CMOD:YBM.1255: PEDESTRIAN/BIKE	35,489	0	0	0	0	35,489	
1.3.086.86.040.08 - CMOD:YBM.1255: TEMPORARY FACILITIES	3,178	3,178	0	0	3,178	0	
1.3.086.96.020.03 - YBM.1255: AC: ALLOC CONTING	4,699,787	0	0	0	0	4,699,787	74
87 - SURFACE TRACKWORK AND SYSTEMS -WORK PACKAGE 1256	139,989,000	69,864,636	978,027	1,597,360	71,461,996	68,527,004	
1.3.087.09.010.02 - STS.1256: GUIDEWAY: AT-GRADE SEMI-EXCLUSIVE (ALLOWS CROSS TR	2,860,000	1,925,000	0	12,500	1,937,500	922,500	
1.3.087.09.010.06 - STS.1256: GUIDEWAY: UNDERGROUND CUT & CVR	9,257,731	3,102,116	6,280	0	3,102,116	6,155,615	
1.3.087.09.010.07 - STS.1256: GUIDEWAY: UNDERGROUN	16,723,552	9,591,953	176,258	500,000	10,091,953	6,631,599	
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	2,307,302	449,250	328,350	2,635,652	4,967,205	
1.3.087.09.040.02 - STS.1256: SITE UTILITIES, UTILITY RELOCA	17,464,046	14,113,997	0	0	14,113,997	3,350,049	
1.3.087.09.040.03 - STS.1256: HAZARDOUS MATERIALS	200,000	0	0	0	0	200,000	73
1.3.087.09.040.04 - STS.1256: ENVIRONMENTAL MITIGATION	50,000	0	0	0	0	50,000	73
1.3.087.09.040.07 - STS.1256: AUTOMOBILE BUS ACCE	2,116,925	1,765,674	(1)	0	1,765,674	351,251	
1.3.087.09.040.08 - STS.1256: TEMPORARY FACILITIES	13,896,832	11,420,901	0	0	11,420,901	2,475,930	
1.3.087.09.050.01 - STS.1256: TRAIN CONTROL AND SIGNALS	27,543,451	7,462,683	10,224	106,450	7,569,133	19,974,318	
1.3.087.09.050.02 - STS.1256: TRAFFIC SIGNALS AND	4,463,368	3,387,562	0	31,700	3,419,262	1,044,106	



[A] Cost Account Description	BUDGET	ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
	[B] April 2018 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total		
1.3.087.09.050.03 - STS.1256: TRACTION POWER SUPPL	9,889,014	3,409,313	0	397,360	3,806,673	6,082,341	
1.3.087.09.050.04 - STS.1256: TRACTION POWER DISTRIBUTION	6,099,675	1,415,718	107,016	0	1,415,718	4,683,957	
1.3.087.09.050.05 - STS.1256: COMMUNICATIONS	7,996,237	565,500	229,000	181,000	746,500	7,249,737	
1.3.087.09.050.07 - STS.1256: CENTRAL CONTROL	2,614,586	1	0	40,000	40,001	2,574,585	
87 - SURFACE TRACKWORK AND SYSTEMS (STS) CMODs	2,346,790	1,608,875	(7,000)	191,175	1,800,050	546,740	
1.3.087.89.040.02 - CMOD:STS.1256: SITE UTILITIES, UTILITY RELOCA	1,178,506	824,659	0	191,175	1,015,834	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	765,997	(7,000)	0	765,997	287,550	
1.3.087.89.050.01 - CMOD:STS.1256: TRAIN CONTROL	96,516	0	0	0	0	96,516	
1.3.087.99.020.01 - STS.1256: AC: ALLOC CONTING	2,653,209	0	0	0	0	2,653,209	75
141 - CONSTRUCTION ADMINISTRATION	2,956,812	0	0	0	0	2,956,812	
1.3.141.97.080.04 - CONSTR.ADMIN:ALLOC CONTING	2,956,812	0			0	2,956,812	
142 - LEGAL/PERMITS	2,014,204	0	0	0	0	2,014,204	
1.3.142.01.080.06 - LGL.PRMTSF:LEGAL; PERMITS	2,014,204	0	0	0	0	2,014,204	
144 - STARTUP	8,300,329	0	0	0	0	8,300,329	
1.3.144.01.080.08 - STRT: STARTUP	6,941,907	0	0	0	0	6,941,907	
1.3.144.97.080.08 - STRTA: AC STARTUP ALLOC CONTIN	1,358,422	0			0	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	60,455	0	0	60,455	890,901	
1.3.331.01.080.04 - CM:SFMTA LABOR-ENG SVCS-IRP/BART/SF	50,000	33,152	0	0	33,152	16,848	

[A] Cost Account Description	BUDGET	ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
	[B] April 2018 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total		
1.3.331.01.080.06 - CM: BAY AREA RAPID TRANSIT (BART) [122A]	901,356	27,304	0	0	27,304	874,052	
333 - AMERICAN PUBLIC TRANSP. ASSOCIATION (APTA) CS-APTA	146,500	62,112	0	0	62,112	84,388	
1.3.333.01.080.03 - APTA:APTA - IRP [2G]	46,500	31,054	0	0	31,054	15,446	
1.3.333.01.080.03 - APTA:APTA - IRP [2C]	100,000	31,058	0	0	31,058	68,942	
334 - BART FARE COLLECTION SYSTEM	700,000	0	0	0	0	700,000	
1.3.334.01.050.06 - BART:BART FARE COLLECTION EQP	700,000	0	0	0	0	700,000	
401 - ECONOMIC AND WORKFORCE DEVELOPMENT (EWD)	17,600	17,600	0	0	17,600	0	
1.3.401.01.080.04 - EWD: MAYORS OFFICE ECON DEV	17,600	17,600	0	0	17,600	0	
402 - DEPARTMENT OF TECHNOLOGY	242,371	237,534	0	0	237,534	4,837	
1.3.402.07.050.04 - DT:1UTL:COMM. CONNECTIONS	166,756	166,179	0	0	166,179	577	
1.3.402.08.050.04 - DT:2UTL:COMM.CONNECTIONS	75,615	71,354	0	0	71,354	4,261	
404 - DEPARTMENT OF BUILDING INSPECTION (DBI)	1,204,081	1,204,081	0	0	1,204,081	0	
1.3.404.01.080.06 - DPT OF BUILDING INSPECTION	1,204,081	1,204,081	0	0	1,204,081	0	
491 - FORM B - REIMBURSEMENT	(12,227,954)	0	0	0	0	(12,227,954)	
1.3.491.02.040.02 - FORMB - CONTRACT 1252 UTILITY REIMBUR	(254,050)	0			0	(254,050)	76
1.3.491.03.040.02 - FORMB - UMS:CONTRACT 1300 UTILITY REIMBURSEMENT	(528,370)	0			0	(528,370)	77
1.3.491.04.040.02 - FORMB - CTS:CONTRACT 1300 UTILITY REIMBURSEMENT	(451,703)	0			0	(451,703)	78
1.3.491.05.040.02 - FORMB - YBM:CONTRACT 1300 UTILITY REIMBURSEMENT	(100,000)	0			0	(100,000)	79
1.3.491.06.040.02 - FORMB - CONTRACT 1300 UTILITY REIMBUR	0	0			0	0	80
1.3.491.07.040.02 - FORMB - CONTRACT 1250 UTILITY REIMBUR	(2,275,419)	0			0	(2,275,419)	81
1.3.491.08.040.02 - FORMB - CONTRACT 1251 UTILITY REIMBUR	(7,618,412)	0			0	(7,618,412)	82
1.3.491.09.040.02 - FORMB - STS:CONTRACT 1300 UTILITY REIMBURSEMENT	(1,000,000)	0			0	(1,000,000)	83
<b>TOTAL CONSTRUCTION PHASE</b>	<b>1,349,149,982</b>	<b>992,972,522</b>	<b>7,039,891</b>	<b>11,725,312</b>	<b>1,004,697,834</b>	<b>344,674,345</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	8,450,565	0	0	8,450,565	2,681,304	
1.4.091.97.070.01 - LRVA:AC: VEHICLES ALLOC CONTI	13,076,653					13,076,653	26
<b>TOTAL VEHICLES</b>	<b>26,385,654</b>	<b>10,598,347</b>	<b>0</b>	<b>0</b>	<b>10,598,347</b>	<b>15,787,307</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	15,955,637	14,307,667	0	(83,051)	14,224,616	1,731,021	
1.5.015.01.060.01 - RE: REAL ESTATE	766,272	766,272	0	0	766,272	0	
1.5.015.01.060.01 - RE: REC & PARK MOU	6,987,624	6,987,624	0	0	6,987,624	0	
1.5.015.01.060.01 - RE:-DEPT OF TRANSPOR	2,686,000	2,686,000	0	0	2,686,000	0	
1.5.015.01.060.01 - RE:-LICENSES FEES	400,000	381,311	0	0	381,311	18,689	
1.5.023.01.060.01 - ATTY:REAL ES	2,764,373	2,764,872	0	0	2,764,872	(499)	
1.5.101.01.060.02 - RES.RELO: RELOCATION COST	1,275,200	1,289,701	0	0	1,289,701	(14,501)	
1.5.102.01.060.02 - COMM.RELO-RELOC COMMERCIAL	905,311	1,119,729	0	0	1,119,729	(214,418)	
<b>TOTAL ROW, LAND, EXISTING IMPROVEMENTS</b>	<b>32,140,418</b>	<b>30,626,116</b>	<b>0</b>	<b>-83,051</b>	<b>30,543,065</b>	<b>1,597,353</b>	
<b>90 - CONTINGENCY</b>	<b>73,938,446</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>73,938,446</b>	
1.7.500.91.090.00 - UNALLOCATED CONTINGENCY	9,005,903					9,005,903	84

[A] Cost Account Description	BUDGET	ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
	[B] April 2018 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total		
TOTAL ALLOCATED CONTINGENCY	64,932,543					64,932,543	
<b>TOTAL PROJECT COST</b>	<b>1,578,300,005</b>	<b>1,194,689,997</b>	<b>7,039,891</b>	<b>11,642,261</b>	<b>1,206,332,258</b>	<b>372,189,944</b>	



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.

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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.
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.
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.</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.</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.</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>
42	<p>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.</p>



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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 29.

*Appendix B*

**DETAIL SCHEDULE REPORTS**



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## **SCHEDULE HIGHLIGHTS**

The Master Project Schedule (MPS) below includes progress through April 2018. The April 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 February 2018 Schedule Updates. The Contract 1300 schedule represented in this report is based on the SFMTA April 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 30 days of delay in April with a new forecasted Revenue Service Date of 14 January 2020.

Contract 1300 Contractor submitted thirty eight (38) Schedule Updates from December 2014 to February 2018. SFMTA rejected twenty three (23) Schedule Updates from January 2016 to April 2016 and June 2016 to January 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 April 2018 schedule is used within the April Report. The SFMTA Contract 1300 April 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:**

- Continued applying waterproofing for Platform Cavern North (PCN)
- Poured invert slab for first 30' in Crossover Cavern
- Continued to install rebar for invert slab at the Crossover Cavern and South Platform Cavern
- Installed grounding grid, mud slab, and protection slab in Headhouse
- Continued street work (minor), ongoing monitoring and surveying

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

- Complete waterproofing, install invert final lining for North Platform, South Platform, and Cross Over Caverns
- Complete installation of waterproofing, rebar, and concrete for HeadHouse under Platform Invert Slab

Activity ID	Activity Name	2018						
		Apr	May	Jun	Jul	Aug	Sep	Oct
<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								
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>								
<b>Platform Cavern North</b>								
<b>Cross-over Cavern</b>								
<b>Emergency Egress</b>								
<b>Concrete/Shotcrete</b>								
<b>HeadHouse</b>								
CTS.03.30.030	Form/Rebar/Pour - Invert Slab (Head House)							
CTS.03.30.035	Form/Rebar/Pour/Strip - Columns & Walls Invert Slab to Platform Level							
CTS.03.11.040	Install Falsework - For Platform Level Slab							
CTS.03.30.050	Form/Rebar/Pour - Platform Level Slab - Headhouse							
CTS.03.30.060	Concrete Cure/Strip - Platform Level Slab							
CTS.03.37.024	CTS_UP - Place - Shotcrete on Slurry Walls - Head House							
CTS.03.30.065	Form/Rebar/Pour/Strip - Columns Platform Slab to Concourse Level (3 ea)							
CTS.07.13.260	CTS_UP - Install - Drain Mat & Waterproofing on Shotcrete Walls - Head House							
CTS.03.11.080	CTS_CN Install Falsework - For Headhouse Concourse Level Slab							
CTS.03.30.095	CTS_CN Form/Rebar/Pour - Headhouse Concourse Level Slab							
CTS.03.30.165	Form/Rebar/Pour/Strip - Perimeter Walls - Invert Slab to Platform Level							
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 Level							
CTS.03.30.260	Pour Equipment Pads - Main Electrical & Traction Power Rooms							
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							

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

- Platform Station: Continued construction of wale encasements at intermediate strut and concourse levels, completed metal deck installation at Intermediate Strut level. Completed Installation of “Scalloped Walls” between Platform Strut and Mezzanine levels. Completed shotcrete wall between intermediate strut level and concourse level
- Emergency exit stairs 3 and 4: Continued F/R/P for walls, stairs, and landings
- North Concourse: Continued placing concrete for ventilation shaft walls and fireproofing for struts and roof beams at Concourse levels. Continue rough in for fire sprinklers. Commenced construction for Stair 1 at North Entrance and completed installation of metal deck
- South Concourse: Completed installation of South Headwall and continued construction for escalator ramp walls
- Ellis Street: Continued sidewalk restoration work at Ellis Street

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

- Platform Station: Continue construction of wale encasements at Concourse Levels. Commence construction of the Platform
- North Concourse: Continue construction of Stair 1 at the North Entrance and continue construction of the North Headwall
- South Concourse: Continue construction for South escalator walls, and commence assembly of escalators
- Ellis Street: Complete sidewalks at intersection of Stockton Street
- O’Farrell St.: Complete structural work at Emergency exit stairs 3 and 4. Work on completing utility work, and street and sidewalk restoration

Activity ID	Activity Name	2018						
		Apr	May	Jun	Jul	Aug	Sep	Oct
<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								
Excavation & Support								
Concrete/Shotcrete								
<b>Union Square Garage</b>								
<b>Station Platform Footprint (Between Headwalls)</b>								
UMS.31.50.0107	UMS_Remove Temporary Excavation Support Level 1 Pour #7							
UMS.31.50.0201	UMS_Remove Temporary Excavation Support Level 2 - Pour #1							
UMS.31.50.0207	UMS_Remove Temporary Excavation Support Level 2 - Pour #7							
UMS.31.50.0101	UMS_Remove Temporary Excavation Support Level 1 Pour #1							
UMS.03.11.1185	UMS_Set Shoring For Intermediate Strut Level Deck & Wale - Pour #5							
UMS.03.30.1167	UMS_Form/Rebar/ On Metal Deck - Mezzanine Level - Pour #7							
UMS.03.30.1143	UMS_Form/Rebar/ Wale Encasement - Concourse Level - Pour #3							
UMS.03.30.1056b	UMS_Place Concrete / West Exterior Architectural Wall - Platform Strut To Mezz							
UMS.03.30.1056a	UMS_Place Concrete / East Exterior Architectural Wall - Platform Strut To Mezz							
UMS.03.30.1057b	UMS_Place Concrete / West Exterior Architectural Wall - Platform Strut To Mezz							
UMS.03.30.1057a	UMS_Place Concrete / East Exterior Architectural Wall - Platform Strut To Mezz							
UMS.07.13.0501	UMS_Install Waterproofing System - Exterior Walls Intermediate Strut to Concour							
UMS.03.30.1086	UMS_Form/Rebar/ Exterior Walls - Mezzanine To Intermediate Strut Level - Pour							
UMS.03.30.2191	UMS_Cure Concrete / On Metal Deck - Intermediate Strut Level - Pour #1							
UMS.03.30.2192	UMS_Cure Concrete / On Metal Deck - Intermediate Strut Level - Pour #2							
UMS.03.30.1177	UMS_Place Concrete / On Metal Deck - Mezzanine Level - Pour #7							
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.03.30.2177	UMS_Cure Concrete / On Metal Deck - Mezzanine Level - Pour #7							
UMS.03.30.1096	UMS_Shotcrete / Exterior Walls - Mezzanine To Intermediate Strut Level - Pour #							
UMS.03.11.1186	UMS_Set Shoring For Intermediate Strut Level Deck & Wale - Pour #6							
UMS.07.13.0503	UMS_Install Waterproofing System - Exterior Walls Intermediate Strut to Concour							
UMS.03.30.1131	UMS_Shotcrete / Exterior Walls - Intermediate Strut Level To Concourse Level							
UMS.07.13.0407	UMS_Install Waterproofing System - Exterior Walls Mezzanine to Intermediate St							
UMS.03.30.1122	UMS_Form/Rebar/ Exterior Walls - Intermediate Strut Level To Concourse Lev							
UMS.07.13.0504	UMS_Install Waterproofing System - Exterior Walls Intermediate Strut to Concour							
UMS.03.30.1106	UMS_Form/Rebar/ Wale Encasement - Intermediate Strut Level - Pour #6							
UMS.03.30.1087	UMS_Form/Rebar/ 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 to install new AWSS at 4<sup>th</sup> and Folsom
- Completed F/R/P of Stair 4 stairs and walls
- Began F/R/P of Stair 4 roof deck
- 95% completed on electrical rough-in on Mezzanine – Station box
- 65% completed on electrical rough-in on Concourse ceiling – Station box
- Continued installing metal framing (FHC) at Station Concourse
- Began F/R/P of seismic joints (Station Platform)
- Continued installing CMU walls and supports at Stair 1 (Station Platform)
- Continued installing CMU walls and supports at Stair 4 (Station Platform)
- Began installing Elevators 1 and 2 (Station Platform)
- Poured F/R/P Stairs 8 and 9
- Continued sealing leaks in Headhouse Invert
- Began moving electrical equipment into Main Electrical Room and Traction Power Room (Headhouse Invert)



- 20% completed on electrical rough-in on Headhouse-Invert Walls
- Continued F/R/P equipment pads in Headhouse-Invert
- Began F/R/P Stair 6 walls (Headhouse-Concourse)
- Continued F/R/P Headhouse-Concourse columns
- Began installing fire sprinkler mains in Headhouse Concourse
- Continued demo of temp walls at Headhouse-Mezzanine
- Began F/R/P of pilasters at Headhouse-Mezzanine
- Began installing Stairs 5 and 6
- Began F/R/P of undersurface deck

**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
- Install street lights at 4<sup>th</sup> and Clementina
- Continue to install new AWSS at 4<sup>th</sup> and Folsom
- Install new FH at 4<sup>th</sup> and Folsom
- Continue F/R/P of Stair 4 roof deck
- Place PG&E and AT&T utilities in Stair 4 area per PCC 159
- Complete electrical on Mezzanine – Station Box
- Continue electrical rough-in on Concourse, pour Station Concourse topping slab
- Continue installing anchors for luminous ceiling at Station Concourse
- Continue installing metal framing (FHC) at Station Concourse
- Continue F/R/P of seismic joints (Station Platform)
- Complete installing pyrok at tunnels north and south of YBM
- Complete installing Pyrok, Platform level
- Continue installing CMU walls at Stair 1
- Complete F/R/P Stair 3 (Station Platform)
- Complete installing CMU walls at Stair 4
- Continue installing Escalators 1 and 2 (Station Platform)
- Finish sealing leaks in Headhouse Invert
- Continue Rough-in Fire Sprinkler (Headhouse Invert)
- Continue moving electrical equipment into Main Electrical Room and Traction Power Room (Headhouse Invert)
- Continue electrical rough-in for light fixtures (Headhouse-Invert)
- Continue F/R/P equipment pads in Headhouse-Invert
- Continue F/R/P Headhouse-Concourse columns
- Continue F/R/P Stair 6 walls (Headhouse-Concourse)
- Continue installing fire sprinkler mains in Headhouse Concourse
- Complete demo of temp walls at Headhouse-Mezzanine
- Complete F/R/P of pilasters at Headhouse-Mezzanine
- Finish installing Stairs 5 and 6

Activity ID	Activity Name	2018						
		Apr	May	Jun	Jul	Aug	Sep	Oct
<b>CENTRAL SUBWAY PROJECT</b>								
<b>Construction Phase</b>								
<b>Construction CN-1300</b>								
<b>Construction YBM Station P-1255</b>								
<b>Preconstruction</b>								
<b>Excavation &amp; Support</b>								
<b>Concrete/Shotcrete</b>								
<b>HeadHouse</b>								
YBM.03.30.1240	FRP Concrete Curb for CMU Walls Headhouse Concourse Level							
YBM.03.30.1280	F/R/P Walls Mezz Level- Headhouse along Slurry walls GL 05-08							
YBM.03.30.1570	F/R/P In-Fill Walls at Mezzanine GL D							
YBM.03.30.1300	F/R/P Interior Walls Headhouse Mezz Level							
YBM.03.30.1590	Rebar/ Pour Headhouse Under Surface Level Slab GL 08-11							
YBM.04.22.1230	CMU Walls Headhouse Concourse Level							
YBM.03.30.1320	Rebar/ Pour Headhouse Under Surface Level Slab GL 05-08							
YBM.03.30.1360	FRP Concrete Curb for CMU Walls Headhouse Mezz Level							
YBM.22.14.210	YBM_MZ Install Vents & Drains- Headhouse Concourse							
YBM.03.30.1400	FRP Headhouse Concrete Wall for Surface Level GL- E to G/ 8.6							
YBM.22.14.220	YBM_CN Install Domestic Water- Headhouse Concourse							
YBM.04.22.1370	CMU Walls Headhouse Mezz to Under Surface Level							
YBM.05.52.570	Install Metal Stair #6 Rails from Platform to Mezz Level							
YBM.22.14.170	YBM_MZ Install Vents & Drains- Headhouse Mezzanine							
YBM.22.14.180	YBM_MZ Install Domestic Water- Headhouse Mezzanine							
YBM.03.30.1390	FRP Headhouse Concrete Beam for Surface Level							
YBM.31.23.555	Geo foam fill Headhouse Surface Level							
YBM.03.30.1410	F/R/P Headhouse Surface Level Slab							
YBM.05.60.610	Set/ Weld Stair #7 Steel from Concourse to Surface Level							
YBM.22.14.140	YBM_SU Install Vents & Drains- Entrance Surface Slab							
YBM.03.30.650	FRP Stair #4 Roof Deck from Mezz to Surface Level							
YBM.03.30.1430	F/R/P Headhouse Concrete wall for Surface Level GL- G/6 to 8.6							
YBM.22.14.150	YBM_SU Install Air Replenishment Piping- Entrance Surface Level							
YBM.05.12.105	Erect/ Plumb/ Weld Structure Steel, Headhouse/ Vent Shaft Structure							
YBM.05.60.620	FRP Stair #7 from Concourse to Surface Level							
YBM.05.30.105	Instal Metal Deck Headhouse/ Vent Shaft Roof Level Structure							
YBM.03.30.570	F/R/P Roof - Headhouse/ Vent Shaft Level Structure							

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

- Continued 4<sup>th</sup>/Brannan surface station foundation work
- Continued walkway installation inside tunnel

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

- Continue OCS pole installation
- Continue pavement renovation at 4<sup>th</sup>/Bryant and 4<sup>th</sup>/Brannan intersections
- Continue 4<sup>th</sup>/Brannan platform
- Continue track work between Townsend and Bryant
- Continue walkway installation inside tunnel

Activity ID	Activity Name	2018						
		Apr	May	Jun	Jul	Aug	Sep	Oct
<b>Construction STS P-1256</b>								
STS.34.42.0690	STS_Install: Train Control - Remote Feed Boxes- SB Portal to Moscone							
STS.34.22.3350	STS_Pull & Terminate TP Cables MRV Ductbanks MH 1895 to 1896 - 4th Street/f							
STS.34.42.1080	STS_Install: Security - SB Portal Intrusion Devices							
STS.28.20.1920	STS_Install: - CCTV Camera Equipment Cabinets - YBM AUX Communications f							
STS.26.05.0290	STS_Install: Tunnel Electrical - Unistrut For Conduit & Signal Supports - NB Porta							
STS.26.05.3960	STS_Install: Street Lighting - Pull & Terminate Street Lights In Townsend South Si							
STS.05.53.560	STS_Install NB Tunnel Drain Metal Grating - Tunnel Portal							
STS.21.12.410	STS_Install NB Tunnel Walkway Deluge Piping - Tunnel Portal							
STS.26.05.0530	STS_Install: Tunnel Electrical - Unistrut For Conduit & Signal Supports - SB Porta							
STS.26.05.2830	STS_Install: Street Lighting - Install Street Light Arms & Luminaires In Brannan St							
STS.27.32.1840	STS_Install - Radiax Conduit & Cable - Moscone Station - Platform Level							
STS.26.05.1950	STS_Install: Tunnel Electrical - Comm/TC Cable Tray - NB Tunnel Wiroduct Intert							
STS.26.05.2050	STS_Install: Tunnel Electrical - Comm/TC Conduit & Pull Boxes - NB Tunnel Wire							
STS.28.20.1790	STS_Install: Tunnel Electrical - CCTV Cameras - SB Portal To Moscone							
STS.05.52.0135	STS_Install NB Tunnel Walkway Handrails - Tunnel Portal NB							
STS.34.42.0600	STS_Install: Train Control - Train Control Signals - SB Portal to Moscone							
STS.07.80.0220	STS_Install NB Tunnel Walkway ARS Fire Blanket - Tunnel Portal							
STS.34.42.2270	STS_Install: Train Control - Train Control Conduit - & JB's NB Portal To Moscone							
STS.34.42.2310	STS_Install: Train Control - Train Control Conduit - & JB's SB Portal To Moscone							
STS.28.20.2080	STS_Install: - Terminate CCTV Camera Equipment Cabinets - YBM AUX Comm.							
STS.28.20.1830	STS_Install: Tunnel Electrical - CCTV Pull Wire & Terminate SB Portal To Moscor							
STS.05.52.0120	STS_Install NB Tunnel Walkway Handrails - Portal to Moscone 1,300 LF							
STS.26.05.2820	STS_Install: Street Lighting - Install Street Light Arms & Luminaires In Townsend :							
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.21.12.390	STS_Install NB Tunnel Walkway Deluge Piping - Portal to Moscone 1,300 LF							
STS.05.53.540	STS_Install NB Tunnel Drain Metal Grating - Portal to Moscone 1,300 LF							
STS.34.42.1070	STS_Install: Train Control - Remote Feed Boxes/Track Heads SB Moscone to Ur							
STS.22.16.540	STS_Install NB Tunnel Walkway ARS Fire Blanket Metal Cover - Tunnel Portal							
STS.34.22.3280	STS_Install: Tunnel Electrical - Pull/Terminate Negative Impedance Cable NB & S							
STS.34.42.2560	ATSC Systems- Intermediate Design							
STS.26.05.120	STS_Install: Utilities: 230Kv Electrical Transmission Casing - Assist PG&E - 4th							
STS.26.05.0370	STS_Install: Tunnel Electrical - Telephone Conduit - & JB's NB Portal To Moscon							
STS.26.05.0560	STS_Install: Tunnel Electrical - Telephone Conduit - & JB's SB Portal To Moscon							
STS.26.05.3940	STS_Install: Street Lighting - Pull & Terminate Street Lights In Brannan St							
STS.03.30.131N	STS_F/R/P NB Tunnel Walkway 1st Lift/Standpipe Landing Union Square to Chini							
STS.26.05.0720	STS_Install: Tunnel Electrical - Unistrut For Conduit & Signal Supports - NB Moe							
STS.34.11.110	Install SB Trackwork - Thru Union Square Station (410 TF)							
STS.26.05.0910	STS_Install: Tunnel Electrical - Unistrut For Conduit & Signal Supports - SB Moe							

**SCHEDULE REVISIONS**

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

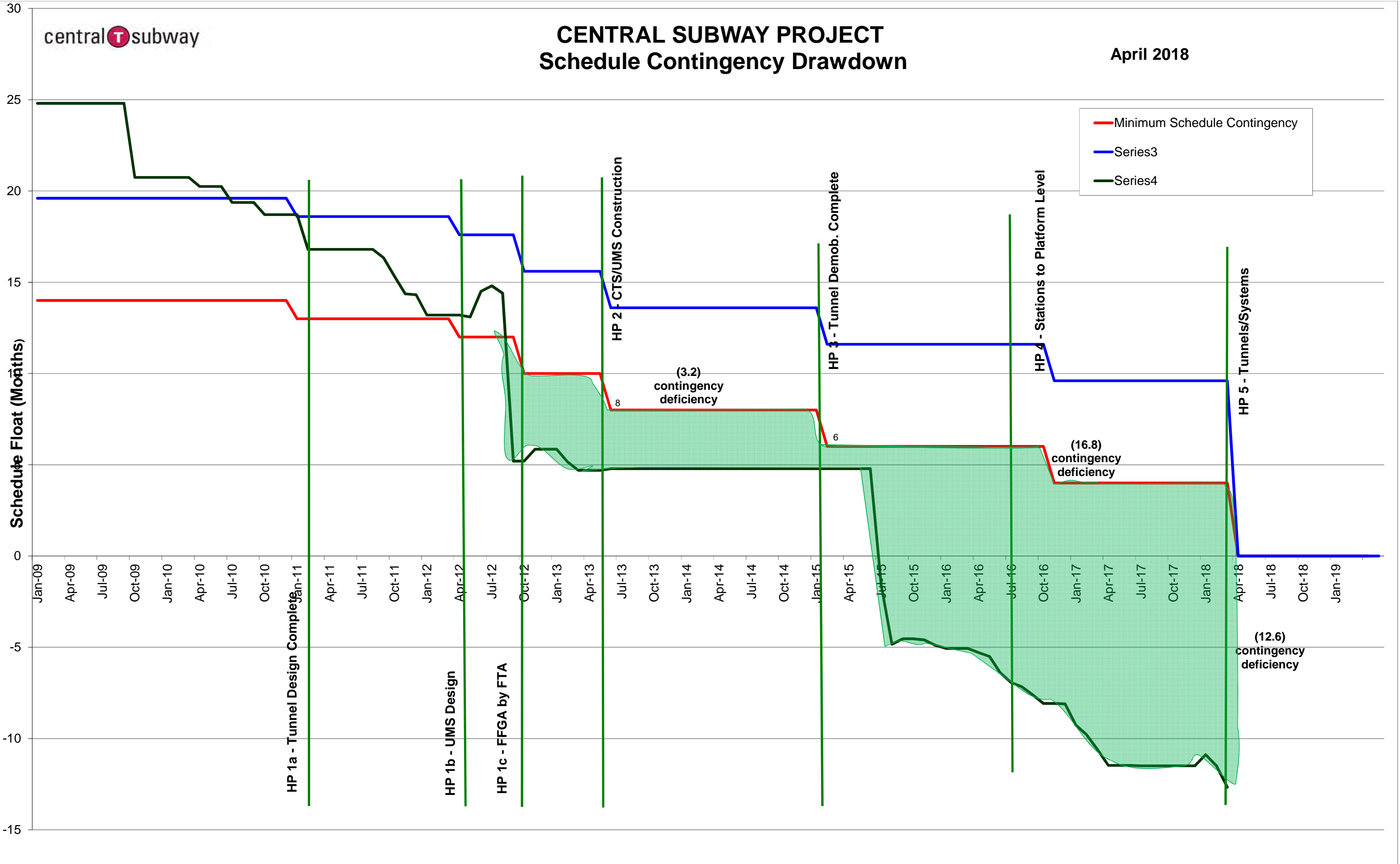
**LIST OF SCHEDULE REPORTS**

- 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

April 2018





Activity ID	Activity Name	Original Duration	Start	Finish	2018				2019				2020			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
<b>CENTRAL SUBWAY PROJECT</b>																
<b>Program Level Milestones</b>					▼ Program Level Milestones											
PJD1000	Central Subway Project Start	0	03-Jun-03 A													
MS0004A	Tunnel Excavation Complete - Project Milestone #4A	0		05-Sep-14 A												
MS0019	Baseline Finish Date: 12-26-2018	0		14-Jan-20*	◆ Baseline Finish Date: 12-26-2018											
MS0009	CSP Revenue Service Date	0		14-Jan-20*	◆ CSP Revenue Service Date											
<b>Preliminary Engineering Phase</b>																
<b>Final Design</b>																
<b>Light Rail Vehicles</b>					▼ Light Rail Vehicles											
<b>Real Estate</b>					▼ Real Estate											
<b>Construction Phase</b>																
<b>Construction Support and Costs</b>																
<b>Construction Utility Contract #1- MOS &amp; Portal CN-1250</b>																
<b>Construction Utility Contract #2 - UMS CN-1251</b>																
<b>Construction Tunnels CN-1252</b>					▼ Construction Tunnels CN-1252											
<b>Construction CN-1300</b>					▼ Construction CN-1300											
<b>CN- 1300 Milestone</b>					▼ CN- 1300 Milestone											
<b>Construction UMS Station P-1253</b>					▼ Construction UMS Station P-1253											
<b>Construction CTS Station P-1254R</b>					▼ Construction CTS Station P-1254R											
<b>Construction YBM Station P-1255</b>					▼ Construction YBM Station P-1255											
<b>Construction STS P-1256</b>					▼ Construction STS P-1256											
<b>Project Start Up</b>					▼ Project Start Up											
<b>Unallocated Contingency</b>					▼ Unallocated Contingency											
CO1.700	Cost Activity Unallocated Contingency (LOE) - 1.7.500.99.090.00 - Contingency	429	26-Apr-18	14-Jan-20	▼ Cost Activity Unallocated Contingency (LOE) - 1.7.500.99.090.00 - Contingency											

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2018				2019				2020				2021	
						Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
<b>Program Level Milestones</b>																			
MS0019	Baseline Finish Date: 12-26-2018	0	14-Jan-20	14-Jan-20*	-262														◆ Baseline Finish Date: 12-26-2018
MS0009	CSP Revenue Service Date	0	14-Jan-20	14-Jan-20*	-262														◆ CSP Revenue Service Date
<b>CN- 1300 Milestone</b>																			
MS-10	Substantial Completion - 1,700 Calendar Days (SP-4.B) { 10-Feb-18 }	0	26-Jul-19	26-Jul-19	-597														◆ Substantial Completion - 1,700 Calendar Days (SP-4.B)
<b>Construction CTS Station P-1254R</b>																			
CTS 33 11 20 c	CTS_Fab\Deliver: Utilities: Auxiliary Water Supply (33 11 20)	30	23-Dec-13 A	26-Apr-18	-602														CTS_Fab\Deliver: Utilities: Auxiliary Water Supply (33 11 20)
CTS 03 20 00 c	CTS_Fab\Deliver: Concrete Reinforcing (03 20 00)	120	24-Feb-14 A	26-Apr-18	-602														CTS_Fab\Deliver: Concrete Reinforcing (03 20 00)
CTS.03.30.030	Form/Rebar/Pour - Invert Slab (Head House)	29	29-Mar-18 A	06-Jun-18	-416														Form/Rebar/Pour - Invert Slab (Head House)
CTS.03.30.035	Form/Rebar/Pour/Strip - Columns & Walls Invert Slab to Platform Level	10	07-Jun-18	20-Jun-18	-416														Form/Rebar/Pour/Strip - Columns & Walls Invert Slab to Platform Level
CTS.03.30.050	Form/Rebar/Pour - Platform Level Slab - Headhouse	15	21-Jun-18	12-Jul-18	-416														Form/Rebar/Pour - Platform Level Slab - Headhouse
CTS.03.30.060	Concrete Cure/Strip - Platform Level Slab	5	13-Jul-18	19-Jul-18	-416														Concrete Cure/Strip - Platform Level Slab
CTS.31.50.110	CTS_CN Remove Level 5 Struts & Wales	5	20-Jul-18	26-Jul-18	-416														CTS_CN Remove Level 5 Struts & Wales
CTS.03.30.065	Form/Rebar/Pour/Strip - Columns Platform Slab to Concourse Level (3 ea)	5	27-Jul-18	02-Aug-18	-416														Form/Rebar/Pour/Strip - Columns Platform Slab to Concourse Level (3 ea)
CTS.03.11.080	CTS_CN Install Falsework - For Headhouse Concourse Level Slab	10	03-Aug-18	16-Aug-18	-416														CTS_CN Install Falsework - For Headhouse Concourse Level Slab
CTS.03.30.095	CTS_CN Form/Rebar/Pour - Headhouse Concourse Level Slab	15	10-Aug-18	30-Aug-18	-416														CTS_CN Form/Rebar/Pour - Headhouse Concourse Level Slab
CTS.03.30.075	CTS_CN Form/Rebar/Pour/Strip - Columns Concourse Slab to Intermediate Level	5	31-Aug-18	07-Sep-18	-416														CTS_CN Form/Rebar/Pour/Strip - Columns Concourse Slab to Intermediate Level
CTS.03.11.120	Install Falsework - For Intermediate Level Slab	10	10-Sep-18	21-Sep-18	-416														Install Falsework - For Intermediate Level Slab
CTS.03.30.130	Form/Rebar/Pour - Intermediate Level Slab	10	13-Sep-18	26-Sep-18	-416														Form/Rebar/Pour - Intermediate Level Slab
CTS.03.30.085	Form/Rebar/Pour/Strip - Columns Intermediate Slab to Lower Mezz Level	5	27-Sep-18	03-Oct-18	-416														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	04-Oct-18	17-Oct-18	-416														CTS_LM Install Falsework - For Lower Mezz Level Slab
CTS.03.30.170	CTS_LM Form/Rebar/Pour - Lower Mezz Level Slab	14	09-Oct-18	26-Oct-18	-416														CTS_LM Form/Rebar/Pour - Lower Mezz Level Slab
CTS.03.30.185	CTS_LM Concrete Cure - Lower Mezz Level Slab	5	29-Oct-18	02-Nov-18	-416														CTS_LM Concrete Cure - Lower Mezz Level Slab
CTS.04.22.017	CTS_CN - Build - CMU Partition Walls - Head House Concourse Level	15	05-Nov-18	27-Nov-18	-416														CTS_CN - Build - CMU Partition Walls - Head House Concourse Level
CTS.23.31.666	CTS_PL 18 - Main Elect Rm: Install - HVAC: Ductwork	9	28-Nov-18	10-Dec-18	-416														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	11-Dec-18	24-Dec-18	-416														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	26-Dec-18	09-Jan-19	-416														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	10-Jan-19	23-Jan-19	-416														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	24-Jan-19	05-Feb-19	-416														CTS_PL 18 - Main Elect Rm: Install - Elect Substation & SWGR SG1
CTS.26.11.165	CTS_PL 18 - Main Elect Rm: Install Conduit From Pull Boxes PB1 & PB2 to Substation	7	06-Feb-19	14-Feb-19	-416														CTS_PL 18 - Main Elect Rm: Install Conduit From Pull Boxes PB1 & PB2 to Substation
CTS.26.11.195	CTS_PL 18 - Main Elect Rm: Install Conduit Substations SG1 & SG2 To Substation	6	15-Feb-19	22-Feb-19	-416														CTS_PL 18 - Main Elect Rm: Install Conduit Substations SG1 & SG2 To Substation
CTS.26.11.205	CTS_PL 18 - Main Elect Rm: Install Conduit Substations SG1 & SG2 To A/C TPSS	5	25-Feb-19	01-Mar-19	-416														CTS_PL 18 - Main Elect Rm: Install Conduit Substations SG1 & SG2 To A/C TPSS
CTS.26.11.235	CTS_PL 18 - Main Elect Rm: Pull & Terminate Power Cable Substations SG1 To Substation	5	04-Mar-19	08-Mar-19	-416														CTS_PL 18 - Main Elect Rm: Pull & Terminate Power Cable Substations SG1 To Substation
CTS.26.11.900	CTS_PL 18 - Main Elect Rm: Energize Main Substation SG1 & SG2	5	11-Mar-19	15-Mar-19	-416														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	18-Mar-19	22-Mar-19	-416														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	25-Mar-19	29-Mar-19	-416														CTS_PL 18 - Main Elect Rm: Energize DC TPSS Equipment
CTS 01 45 00 f	CTS_Final Acceptance Inspection	156	26-Jul-19	29-Dec-19	-597														CTS_Final Acceptance Inspection
<b>Construction STS P-1256</b>																			
STS.34.42.425	Startup & Testing - Tunnel & ATSC Systems	79	01-Apr-19	22-Jul-19	-416														Startup & Testing - Tunnel & ATSC Systems
<b>Project Start Up</b>																			
STU1010	S&S Certification / Pre-Revenue Activities	115	26-Jul-19	14-Jan-20	-262														S&S Certification / Pre-Revenue Activities
BUF0018	Muni Float	0	14-Jan-20	14-Jan-20	-262														Muni Float

Activity Name	Original Duration	Start	Finish	2012				2013				2014				2015				2016				2017				2018				2019				2020			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
<b>CENTRAL SUBWAY PROJECT</b>	<b>2232</b>	<b>08-Jun-11 A</b>	<b>29-Dec-19</b>																																				
<b>Construction Phase</b>	<b>2232</b>	<b>08-Jun-11 A</b>	<b>29-Dec-19</b>																																				
<b>Construction Tunnels CN-1252</b>	<b>1518</b>	<b>08-Jun-11 A</b>	<b>15-May-15 A</b>																																				
1252 Tunnel Contract BIH	1518	08-Jun-11 A	15-May-15 A																																				
Contract Milestones	1437	08-Jun-11 A	15-May-15 A																																				
General Conditions	1480	01-Aug-11 A	15-May-15 A																																				
4th & Bryant St TBM Launch Box Construction	686	30-Mar-12 A	02-Jun-14 A																																				
Moscone Station Headwalls	430	14-May-12 A	20-Sep-13 A																																				
UMS Station Headwalls	425	24-Jul-12 A	22-Nov-13 A																																				
UMS - Remove Geary to Ellis OCS	5	24-Jul-12 A	26-Jul-12 A																																				
UMS - Setup Traffic Control for Headwall Construction	1	30-Jul-12 A	30-Jul-12 A																																				
North Headwall	237	27-Feb-13 A	22-Nov-13 A																																				
South Headwall	404	31-Jul-12 A	22-Nov-13 A																																				
4th St and Market Compensation Grouting	707	28-Jan-13 A	30-Apr-15 A																																				
Southbound Tunneling	451	27-Apr-13 A	13-Oct-14 A																																				
Ellis St Compensation Grouting	561	31-Jul-12 A	09-May-14 A																																				
Green St Compensation Grouting	320	05-Aug-13 A	30-Jun-14 A																																				
Retrieval Shaft	1070	31-Oct-11 A	20-Mar-15 A																																				
Cross Passage 1-5	339	22-Mar-14 A	16-Apr-15 A																																				
Cross Passage 1	79	14-Jun-14 A	13-Sep-14 A																																				
Cross Passage 2	105	10-May-14 A	09-Sep-14 A																																				
Cross Passage 3	127	31-Mar-14 A	28-Aug-14 A																																				
Cross Passage 4	114	22-Mar-14 A	31-Jul-14 A																																				
Cross Passage 5	277	31-May-14 A	16-Apr-15 A																																				
Portal Structure	196	02-Sep-14 A	15-Apr-15 A																																				
Contract Close Out	307	03-Mar-14 A	15-May-15 A																																				
<b>Construction CN-1300</b>	<b>1704</b>	<b>03-Jun-13 A</b>	<b>29-Dec-19</b>																																				
CN- 1300 Milestone	1703	17-Jun-13 A	29-Dec-19																																				
Construction UMS Station P-1253	1704	17-Jun-13 A	27-Jul-19																																				
Construction CTS Station P-1254R	1703	17-Jun-13 A	29-Dec-19																																				
Construction YBM Station P-1255	1651	10-Jun-13 A	29-Jul-19																																				
Construction STS P-1256	1647	03-Jun-13 A	10-Oct-19																																				

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2018				2019				2020				2021	
						Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
<b>CENTRAL SUBWAY PROJECT</b>						4079	01-Dec-08 A	20-May-21	171										
<b>Light Rail Vehicles</b>						662	29-Aug-16 A	14-May-19	-216										
<b>Real Estate</b>						2154	01-Dec-08 A	26-Apr-18	-9										
<b>Construction Phase</b>						3794	04-Jan-10 A	20-May-21	171										
<b>Construction Support and Costs</b>						5314	04-Jan-10 A	20-May-21	239										
<b>Construction CN-1300</b>						1704	06-Sep-13 A	29-Dec-19	0										
<b>CN- 1300 Milestone</b>						90	26-Apr-18	24-Jul-18	-13										
<b>No 13-Disp</b>						90	26-Apr-18	24-Jul-18	-13										
<b>Construction UMS Station P-1253</b>						1702	26-Nov-13 A	26-Jul-19	110										
<b>Preconstruction</b>						1373	28-May-14 A	26-Jul-19	-427										
<b>Engineering &amp; Procurement</b>						1342	01-Oct-14 A	08-Jan-19	-326										
<b>Site Work / Utility Relocation</b>						58	05-Feb-18 A	22-Mar-19	-270										
<b>Drilled Shafts</b>						1	11-Sep-17 A	26-Apr-18	-389										
<b>Excavation &amp; Support</b>						425	08-Aug-16 A	10-May-18	-349										
<b>Concrete/Shotcrete</b>						606	08-Feb-16 A	20-Sep-18	-201										
<b>Surface Level</b>						10	02-Jul-18	16-Jul-18	-317										
<b>Concourse Level</b>						606	08-Feb-16 A	20-Sep-18	-201										
<b>Intermediate Strut Level</b>						75	19-Feb-18 A	29-Jun-18	-335										
<b>Mezzanine Level</b>						75	10-Apr-17 A	24-May-18	-308										
<b>Platform Strut Level</b>						129	05-May-17 A	07-May-18	-361										
UMS.31.50.0201	UMS_Remove Temporary Excavation Support Level 2 - Pour #1	3	05-May-17 A	03-May-18	-389														
UMS.31.50.0207	UMS_Remove Temporary Excavation Support Level 2 - Pour #7	3	13-Jul-17 A	01-May-18	-358														
UMS.03.30.1056b	UMS_Place Concrete / West Exterior Architectural Wall - Platform Strut To Mezzanine Level - I	1	04-May-18	04-May-18	-361														
UMS.03.30.1056a	UMS_Place Concrete / East Exterior Architectural Wall - Platform Strut To Mezzanine Level - F	1	04-May-18	04-May-18	-361														
UMS.03.30.1057b	UMS_Place Concrete / West Exterior Architectural Wall - Platform Strut To Mezzanine Level - I	1	07-May-18	07-May-18	-361														
UMS.03.30.1057a	UMS_Place Concrete / East Exterior Architectural Wall - Platform Strut To Mezzanine Level - F	1	07-May-18	07-May-18	-361														
<b>Platform Level</b>						29	03-Jul-18	13-Aug-18	-298										
<b>Structural Steel</b>						20	01-Aug-18	28-Aug-18	-339										
<b>Masonry</b>						118	16-May-18	31-Oct-18	-315										
<b>Mechanical</b>						332	06-Mar-17 A	06-Mar-19	-348										
<b>Electrical</b>						305	10-Jul-17 A	03-Jun-19	149										
<b>Electrical - Transportation</b>						125	29-Mar-18 A	08-Jan-19	-306										
<b>Architectural Finishes</b>						292	03-Jan-17 A	26-Apr-19	-378										
<b>Conveyances</b>						157	13-Jun-18	25-Jan-19	-288										
<b>Stairs</b>						205	27-Apr-18	18-Feb-19	-318										
<b>Startup &amp; Testing</b>						61	22-Feb-19	17-May-19	-378										
<b>No 13-Disp</b>						1587	26-Nov-13 A	26-Jul-19	110										
<b>Construction CTS Station P-1254R</b>						1623	06-Sep-13 A	29-Dec-19	0										
<b>Preconstruction</b>						15	26-Apr-18	16-May-18	-113										
<b>Site Work / Utility Relocation</b>						262	26-Apr-18	07-May-19	161										
<b>Excavation &amp; Support</b>						102	20-Jul-18	13-Dec-18	-399										
<b>Cavern Lining</b>						81	02-Apr-18 A	16-Aug-18	356										
<b>Platform Level</b>						81	02-Apr-18 A	16-Aug-18	356										
CTS.31.74.960	Install Waterproofing & Grout Pipes - Final Lining Invert -Cross Cut Cavern	5	02-Apr-18 A	01-May-18	-442														
CTS.31.74.805	Install Waterproofing - Final Lining Arches - Crossover Cavern	15	26-Apr-18	12-May-18	-373														
CTS.31.74.870	Final Lining South Emergency Egress Tunnel	20	26-Apr-18	23-May-18	-294														
CTS.31.74.550	Final Lining North Emergency Egress Tunnel	20	26-Apr-18	23-May-18	-314														
CTS.31.74.970	Install Rebar - Final Lining Invert -Cross Cut Cavern	10	02-May-18	12-May-18	-442														
CTS.31.74.980	Place Concrete - Final Lining Invert -Cross Cut Cavern	10	14-May-18	24-May-18	-442														
CTS.31.74.990	Install Waterproofing - Final Lining Arches - Crosscut Cavern	15	25-May-18	11-Jun-18	-442														
CTS.31.74.1000	Install Rebar & Grout Piping - Final Lining Arches - Crosscut Cavern	15	31-May-18	16-Jun-18	-442														
CTS.31.74.930	Install Waterproofing & Grout Pipes - Final Lining Arches - Platform Cavern North	15	02-Jun-18	19-Jun-18	-437														



Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2018				2019				2020				2021	
						Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
CTS.31.74.585	Install Rebar & Grout Piping - Final Lining Invert - Platform Cavern South	15	02-Jun-18	19-Jun-18	466														
CTS.31.74.615	Install Waterproofing - Final Lining Arches - Platform Cavern South	15	02-Jun-18	19-Jun-18	-427														
CTS.31.74.350	Shotcrete Final Lining Arches - Crosscut Cavern	20	11-Jun-18	03-Jul-18	-442														
CTS.31.74.625	Install Rebar & Grout Piping - Final Lining Arches - Platform Cavern South	15	14-Jun-18	30-Jun-18	-427														
CTS.31.74.595	Place Concrete - Final Lining Invert - Platform Cavern South	17	14-Jun-18	03-Jul-18	466														
CTS.31.74.940	Install Rebar -Final Lining Arches - Platform Cavern North	15	20-Jun-18	06-Jul-18	-437														
CTS.31.74.635	Shotcrete - Final Lining Arches - Platform Cavern South	15	25-Jun-18	11-Jul-18	-427														
CTS.31.74.815	Install Rebar & Grout Piping - Final Lining Arches - Crossover Cavern	20	02-Jul-18	24-Jul-18	-415														
CTS.31.74.950	Shotcrete - Final Lining Arches - Platform Cavern North	15	07-Jul-18	24-Jul-18	-437														
CTS.31.74.825	Shotcrete - Final Lining Arches - Crossover Cavern	20	25-Jul-18	16-Aug-18	-415														
<b>Concrete/Shotcrete</b>		<b>247</b>	<b>29-Mar-18 A</b>	<b>11-Apr-19</b>	<b>-384</b>														
<b>Entrance Roof Level</b>		<b>40</b>	<b>06-Feb-19</b>	<b>02-Apr-19</b>	<b>-401</b>														
<b>Surface Level</b>		<b>7</b>	<b>03-Apr-19</b>	<b>11-Apr-19</b>	<b>-372</b>														
<b>Upper Mezz Level</b>		<b>52</b>	<b>05-Nov-18</b>	<b>21-Jan-19</b>	<b>-399</b>														
<b>Lower Mezz Level</b>		<b>64</b>	<b>04-Oct-18</b>	<b>07-Jan-19</b>	<b>-402</b>														
<b>Concourse Level</b>		<b>62</b>	<b>03-Aug-18</b>	<b>30-Oct-18</b>	<b>-376</b>														
<b>Intermediate Strut Level</b>		<b>69</b>	<b>10-Sep-18</b>	<b>17-Dec-18</b>	<b>-399</b>														
<b>Platform Level</b>		<b>124</b>	<b>24-May-18</b>	<b>13-Nov-18</b>	<b>-387</b>														
<b>Under Platform Level</b>		<b>87</b>	<b>29-Mar-18 A</b>	<b>30-Aug-18</b>	<b>-401</b>														
CTS.03.30.030	Form/Rebar/Pour - Invert Slab (Head House)	29	29-Mar-18 A	06-Jun-18	-416														
CTS.03.30.035	Form/Rebar/Pour/Strip - Columns & Walls Invert Slab to Platform Level	10	07-Jun-18	20-Jun-18	-416														
CTS.03.37.024	CTS_UP - Place - Shotcrete on Slurry Walls - Head House	10	20-Jul-18	02-Aug-18	-391														
CTS.07.13.260	CTS_UP - Install - Drain Mat & Waterproofing on Shotcrete Walls - Head House	10	03-Aug-18	16-Aug-18	-391														
CTS.03.30.165	Form/Rebar/Pour/Strip - Perimeter Walls - Invert Slab to Platform Level	10	17-Aug-18	30-Aug-18	-391														
<b>Structural Steel</b>		<b>102</b>	<b>14-Nov-18</b>	<b>10-Apr-19</b>	<b>-383</b>														
<b>Masonry</b>		<b>107</b>	<b>24-Aug-18</b>	<b>28-Jan-19</b>	<b>-371</b>														
<b>Upper Mezz Level</b>		<b>15</b>	<b>02-Nov-18</b>	<b>26-Nov-18</b>	<b>-350</b>														
<b>Lower Mezz Level</b>		<b>15</b>	<b>08-Jan-19</b>	<b>28-Jan-19</b>	<b>-402</b>														
<b>Concourse Level</b>		<b>24</b>	<b>31-Oct-18</b>	<b>05-Dec-18</b>	<b>-335</b>														
<b>Platform Level</b>		<b>45</b>	<b>24-Aug-18</b>	<b>26-Oct-18</b>	<b>-327</b>														
<b>Under Platform Level</b>		<b>10</b>	<b>31-Aug-18</b>	<b>14-Sep-18</b>	<b>-319</b>														
CTS.04.22.030	CTS_UP - Build - CMU Partition Walls - Head House Under Platform Level	10	31-Aug-18	14-Sep-18	-319														
<b>Mechanical</b>		<b>178</b>	<b>05-Mar-18 A</b>	<b>29-Apr-19</b>	<b>-396</b>														
<b>Misc Metal</b>		<b>177</b>	<b>23-Aug-18</b>	<b>03-May-19</b>	<b>-388</b>														
<b>Electrical</b>		<b>192</b>	<b>30-Mar-18 A</b>	<b>20-May-19</b>	<b>-401</b>														
<b>Electrical - Transportation</b>		<b>123</b>	<b>24-Aug-18</b>	<b>19-Feb-19</b>	<b>-388</b>														
<b>Architectural Finishes</b>		<b>190</b>	<b>23-Aug-18</b>	<b>22-May-19</b>	<b>-371</b>														
<b>Conveyances</b>		<b>129</b>	<b>21-Nov-18</b>	<b>20-May-19</b>	<b>-410</b>														
<b>Startup &amp; Testing</b>		<b>30</b>	<b>23-May-19</b>	<b>05-Jul-19</b>	<b>-401</b>														
<b>No 13-Disp</b>		<b>1623</b>	<b>06-Sep-13 A</b>	<b>29-Dec-19</b>	<b>0</b>														
<b>Construction YBM Station P-1255</b>		<b>1571</b>	<b>04-Nov-13 A</b>	<b>26-Jul-19</b>	<b>110</b>														
<b>Preconstruction</b>		<b>15</b>	<b>26-Apr-18</b>	<b>16-May-18</b>	<b>-113</b>														
<b>Excavation &amp; Support</b>		<b>516</b>	<b>25-Apr-16 A</b>	<b>23-Aug-18</b>	<b>-207</b>														
<b>Concrete/Shotcrete</b>		<b>279</b>	<b>27-Mar-17 A</b>	<b>20-Dec-18</b>	<b>-288</b>														
<b>Entrance Roof Level</b>		<b>75</b>	<b>04-Sep-18</b>	<b>19-Dec-18</b>	<b>-278</b>														
<b>Surface Level</b>		<b>95</b>	<b>27-Mar-17 A</b>	<b>31-Aug-18</b>	<b>-279</b>														
YBM.05.12.105	Erect/ Plumb/ Weld Structure Steel, Headhouse/ Vent Shaft Structure	10	27-Mar-17 A	24-Aug-18	-313														
YBM.22.14.140	YBM_SU Install Vents & Drains- Entrance Surface Slab	5	05-Mar-18 A	03-Aug-18	-256														
YBM.03.30.1320	Rebar/ Pour Headhouse Under Surface Level Slab GL 05-08	15	12-Mar-18 A	31-May-18	-313														
YBM.03.30.1590	Rebar/ Pour Headhouse Under Surface Level Slab GL 08-11	5	19-Mar-18 A	16-May-18	-293														
YBM.03.30.1400	FRP Headhouse Concrete Wall for Surface Level GL- E to G/ 8.6	10	01-Jun-18	14-Jun-18	-313														
YBM.03.30.1390	FRP Headhouse Concrete Beam for Surface Level	15	15-Jun-18	06-Jul-18	-313														

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2018				2019				2020				2021	
						Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
YBM.31.23.555	Geo foam fill Headhouse Surface Level	5	09-Jul-18	13-Jul-18	-313														
YBM.03.30.1410	F/R/P Headhouse Surface Level Slab	10	16-Jul-18	27-Jul-18	-313														
YBM.03.30.1430	F/R/P Headhouse Concrete wall for Surface Level GL- G/6 to 8.6	10	30-Jul-18	10-Aug-18	-313														
YBM.22.14.150	YBM_SU Install Air Replenishment Piping- Entrance Surface Level	5	06-Aug-18	10-Aug-18	-256														
YBM.05.30.105	Instal Metal Deck Headhouse/ Vent Shaft Roof Level Structure	5	27-Aug-18	31-Aug-18	-313														
<b>All Levels</b>		<b>153</b>	<b>13-Nov-17 A</b>	<b>05-Nov-18</b>	<b>-248</b>														
YBM.03.30.590	Metal Deck/ Railing Stair #3 from Platform to Concourse Level	10	13-Nov-17 A	09-May-18	-247														
YBM.03.30.650	FRP Stair #4 Roof Deck from Mezz to Surface Level	9	13-Apr-18 A	09-Aug-18	-222														
YBM.05.60.600	FRP Stair #3 from Platform to Concourse Level	10	10-May-18	23-May-18	-247														
YBM.05.52.580	Install Stair #3 Rails from Platform to Concourse Level	10	24-May-18	07-Jun-18	-176														
YBM.05.60.550	FRP Stair #6 from Under surface to Surface Level	10	01-Jun-18	14-Jun-18	-153														
YBM.05.60.560	Install Metal Stair #6 from Platform to Mezz Level	10	01-Jun-18	14-Jun-18	-153														
YBM.05.52.570	Install Metal Stair #6 Rails from Platform to Mezz Level	5	15-Jun-18	21-Jun-18	-153														
YBM.05.60.610	Set/ Weld Stair #7 Steel from Concourse to Surface Level	5	30-Jul-18	03-Aug-18	-307														
YBM.03.30.1470	Metal Deck/ Railing Stair #7 from Concourse to Surface Level	10	06-Aug-18	17-Aug-18	-307														
YBM.05.60.620	FRP Stair #7 from Concourse to Surface Level	10	20-Aug-18	31-Aug-18	-307														
YBM.05.52.460	Install Stair #2 Rails from Platform to Concourse Level	10	23-Oct-18	05-Nov-18	-282														
<b>Concourse Level</b>		<b>188</b>	<b>18-Dec-17 A</b>	<b>20-Dec-18</b>	<b>-357</b>														
<b>Mezzanine Level</b>		<b>41</b>	<b>18-Dec-17 A</b>	<b>28-Jun-18</b>	<b>-226</b>														
<b>Platform Level</b>		<b>236</b>	<b>12-Dec-17 A</b>	<b>29-Oct-18</b>	<b>-347</b>														
<b>Electrical</b>		<b>336</b>	<b>04-Sep-17 A</b>	<b>22-Jan-19</b>	<b>-358</b>														
<b>Electrical - Transportation</b>		<b>184</b>	<b>26-Apr-18</b>	<b>08-Jan-19</b>	<b>-348</b>														
<b>Conveyances</b>		<b>199</b>	<b>10-Jan-18 A</b>	<b>28-Nov-18</b>	<b>-309</b>														
<b>Startup &amp; Testing</b>		<b>61</b>	<b>27-Feb-19</b>	<b>22-May-19</b>	<b>-371</b>														
<b>No 13-Disp</b>		<b>1571</b>	<b>04-Nov-13 A</b>	<b>26-Jul-19</b>	<b>110</b>														
<b>Construction STS P-1256</b>		<b>1517</b>	<b>09-Jan-14 A</b>	<b>10-Oct-19</b>	<b>56</b>														
<b>Preconstruction</b>		<b>15</b>	<b>26-Apr-18</b>	<b>16-May-18</b>	<b>-113</b>														
<b>Concrete/Shotcrete</b>		<b>178</b>	<b>18-Dec-17 A</b>	<b>26-Sep-18</b>	<b>-250</b>														
<b>Tunnel Concrete</b>		<b>200</b>	<b>22-Jan-18 A</b>	<b>11-Feb-19</b>	<b>-313</b>														
<b>Platform Level</b>		<b>200</b>	<b>22-Jan-18 A</b>	<b>11-Feb-19</b>	<b>-313</b>														
<b>Structural Steel</b>		<b>15</b>	<b>10-Sep-18</b>	<b>28-Sep-18</b>	<b>-379</b>														
<b>Electrical</b>		<b>175</b>	<b>22-Jun-18</b>	<b>01-Mar-19</b>	<b>-343</b>														
<b>Electrical - Transportation</b>		<b>29</b>	<b>24-Aug-18</b>	<b>03-Oct-18</b>	<b>-323</b>														
<b>Trackwork</b>		<b>375</b>	<b>20-Jun-17 A</b>	<b>05-Feb-19</b>	<b>-321</b>														
<b>Platform Level</b>		<b>375</b>	<b>20-Jun-17 A</b>	<b>05-Feb-19</b>	<b>-321</b>														
STS.32.13.960	STS_R/F/P Phase 2 4th Street 2" A/C Wearing Surface - At Brannan St Intersection	1	20-Jun-17 A	25-Jul-18	-177														
STS.32.13.1500	STS_Prepare Phase 1 4th Street Subgrade - At Bryant St Intersection	5	17-Aug-17 A	31-May-18	-371														
STS.32.13.1510	STS_R/F/P Phase 1 4th Street Curbs & Gutters - At Bryant St Intersection	5	18-Aug-17 A	07-Jun-18	-371														
STS.32.13.1540	STS_R/F/P Phase 1 4th Street Sidewalks - At Bryant St Intersection	5	22-Aug-17 A	31-May-18	-148														
STS.32.13.1520	STS_R/F/P Phase 1 4th Street 12" Base Slab - At Bryant St Intersection	5	23-Aug-17 A	14-Jun-18	-371														
STS.34.11.130	Install NB Tunnel Trackwork - Moscone to Union Square (1,950 TF)	25	11-Sep-17 A	07-May-18	-391														
STS.34.11.120	Install SB Tunnel Trackwork - Moscone to Union Square (1,950 TF)	25	18-Sep-17 A	07-May-18	-391														
STS.34.11.0440	STS_ F/R/P Trackway Slab - Bluxome St To Brannan	10	14-Dec-17 A	12-Sep-18	-378														
STS.34.11.0430	STS_ F/R/P Trackway Slab - Townsend St To Bluxome St	10	18-Dec-17 A	28-Aug-18	-378														
STS.32.13.1300	STS_Prepare Phase 1 4th Street Subgrade - At Brannan St Intersection	5	20-Jan-18 A	23-May-18	-371														
STS.32.13.1310	STS_R/F/P Phase 1 4th Street Curbs & Gutters - At Brannan St Intersection	5	20-Jan-18 A	23-May-18	-366														
STS.32.13.1320	STS_R/F/P Phase 1 4th Street 12" Base Slab - At Brannan St Intersection	5	20-Jan-18 A	23-May-18	-361														
STS.32.13.1340	STS_R/F/P Phase 1 4th Street Sidewalks - At Brannan St Intersection	5	21-Jan-18 A	23-May-18	-148														
STS.32.13.1330	STS_R/F/P Phase 1 4th Street 2" A/C Wearing Surface - At Brannan St Intersection	1	22-Jan-18 A	15-Jun-18	-152														
STS.34.11.110	Install SB Trackwork - Thru Union Square Station (410 TF)	3	08-May-18	10-May-18	-391														
STS.34.11.125	Install NB Trackwork - Thru Union Square Station (410 TF)	3	08-May-18	10-May-18	-391														

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2018				2019				2020				2021	
						Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
STS.34.11.105	Install SB Tunnel Trackwork - Union Square to Chinatown (2,422 TF)	30	11-May-18	22-Jun-18	-391														
STS.32.13.730	STS_Prepare Phase 2 4th Street Subgrade - At Bryant St Intersection	5	26-Jun-18	02-Jul-18	-373														
STS.32.13.1090	STS_R/F/P Phase 2 4th Street Sidewalks - At Bryant St Intersection	5	26-Jun-18	02-Jul-18	-160														
STS.32.13.1530	STS_R/F/P Phase 1 4th Street 2" A/C Wearing Surface - At Bryant St Intersection	1	29-Jun-18	29-Jun-18	-161														
STS.32.13.820	STS_R/F/P Phase 2 4th Street Curbs & Gutters - At Bryant St Intersection	5	03-Jul-18	10-Jul-18	-373														
STS.32.13.910	STS_R/F/P Phase 2 4th Street 12" Base Slab - At Bryant St Intersection	10	11-Jul-18	24-Jul-18	-373														
STS.32.13.1000	STS_R/F/P Phase 2 4th Street 2" A/C Wearing Surface - At Bryant St Intersection	1	26-Jul-18	26-Jul-18	-177														
STS.34.11.0260	STS_Prepare Trackway Subgrade - Through Brannan St Intersection	5	01-Aug-18	07-Aug-18	-378														
STS.34.11.0295	STS_Prepare Trackway Subgrade - Through Bryant St Intersection	5	08-Aug-18	14-Aug-18	-378														
STS.34.11.0350	STS_F/R/P Trackway Curb - Through Brannan St Intersection	5	15-Aug-18	21-Aug-18	-348														
STS.34.11.0360	STS_F/R/P Trackway Curb - Brannan St Intersection To Freelon St	5	22-Aug-18	28-Aug-18	-348														
STS.34.11.0370	STS_F/R/P Trackway Curb - Through Freelon St Intersection	5	29-Aug-18	05-Sep-18	-348														
STS.34.11.0390	STS_F/R/P Trackway Curb - Through Bryant St Intersection	5	06-Sep-18	12-Sep-18	-348														
STS.34.11.0450	STS_F/R/P Trackway Slab - Through Brannan St Intersection	5	13-Sep-18	19-Sep-18	-378														
STS.34.11.0460	STS_F/R/P Trackway Slab - Brannan St Intersection To Freelon St	10	20-Sep-18	03-Oct-18	-378														
STS.34.11.0470	STS_F/R/P Trackway Slab - Through Freelon St Intersection	5	04-Oct-18	10-Oct-18	-378														
STS.34.11.185	Install NB Trackwork & Crossover - Thru Chinatown Station (539 TF)	20	04-Oct-18	31-Oct-18	-376														
STS.34.11.170	Install SB Trackwork & Crossover - Thru Chinatown Station (539TF)	20	08-Oct-18	02-Nov-18	-345														
STS.34.11.0475	STS_F/R/P Trackway Slab - Freelon St To Bryant St	10	11-Oct-18	24-Oct-18	-378														
STS.34.11.0480	STS_F/R/P Trackway Slab - Through Bryant St Intersection	5	25-Oct-18	31-Oct-18	-378														
STS.34.11.175	Install NB Trackwork - Chinatown Station to North Limit (339 TF)	5	01-Nov-18	07-Nov-18	-376														
STS.34.11.0530	STS_Install: Trackwork - Through Brannan St Intersection	5	01-Nov-18	07-Nov-18	-378														
STS.34.11.160	Install SB Trackwork - Chinatown Station to North Limit (339 TF)	5	05-Nov-18	09-Nov-18	-340														
STS.34.11.0540	STS_Install: Trackwork - Brannan St Intersection To Freelon St	5	08-Nov-18	14-Nov-18	-378														
STS.34.11.0550	STS_Install: Trackwork - Through Freelon St Intersection	5	15-Nov-18	21-Nov-18	-378														
STS.34.11.0560	STS_Install: Trackwork - Freelon St To Bryant St	5	26-Nov-18	30-Nov-18	-378														
STS.34.11.0570	STS_Install: Trackwork - Through Bryant St Intersection	5	03-Dec-18	07-Dec-18	-378														
STS.34.11.0575	STS_F/R/P Trackway Pavement - King To Townsend St	5	10-Dec-18	14-Dec-18	-378														
STS.34.11.0590	STS_F/R/P Trackway Pavement - Townsend St To Bluxome St	5	17-Dec-18	21-Dec-18	-378														
STS.34.11.0600	STS_F/R/P Trackway Pavement - Bluxome St To Brannan	5	24-Dec-18	31-Dec-18	-378														
STS.34.11.0610	STS_F/R/P Trackway Pavement - Through Brannan St Intersection	5	02-Jan-19	08-Jan-19	-378														
STS.34.11.0620	STS_F/R/P Trackway Pavement - Brannan St Intersection To Freelon St	5	09-Jan-19	15-Jan-19	-378														
STS.34.11.0630	STS_F/R/P Trackway Pavement - Through Freelon St Intersection	5	16-Jan-19	22-Jan-19	-378														
STS.34.11.0640	STS_F/R/P Trackway Pavement - Freelon St To Bryant St	5	23-Jan-19	29-Jan-19	-378														
STS.34.11.0650	STS_F/R/P Trackway Pavement - Through Bryant St Intersection	5	30-Jan-19	05-Feb-19	-378														
<b>Track System Work</b>		1217	06-Apr-15 A	10-Oct-19	-359														
<b>Startup &amp; Testing</b>		79	01-Apr-19	22-Jul-19	-416														
<b>No 13-Disp</b>		1414	09-Jan-14 A	26-Jul-19	110														

## *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:

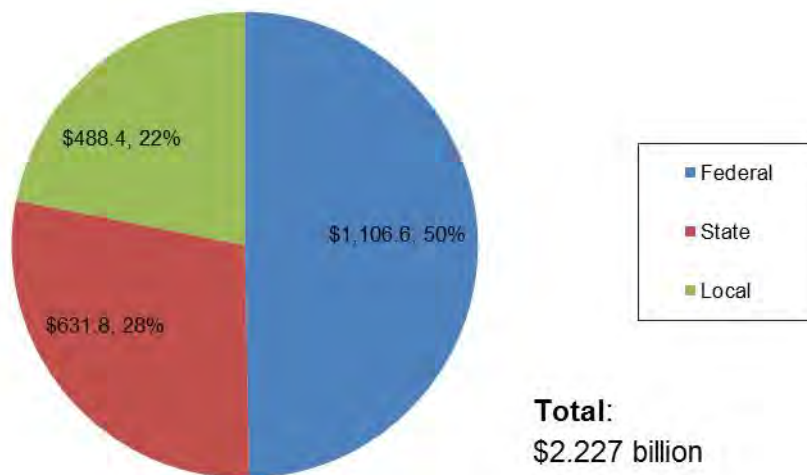
- Phase 1 + Phase 2 of the T Third Line federal, state and local funding percentages previous to the addition of the retrieval shaft relocation budget and funding in December 2013.

## 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.

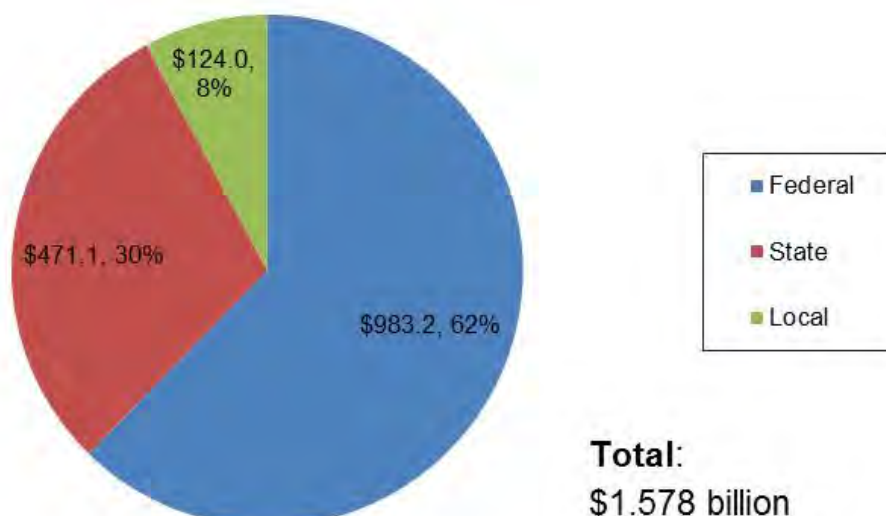
### Third Street Light Rail Transit Project Funding

Phase 1 + Phase 2  
(\$ in millions)



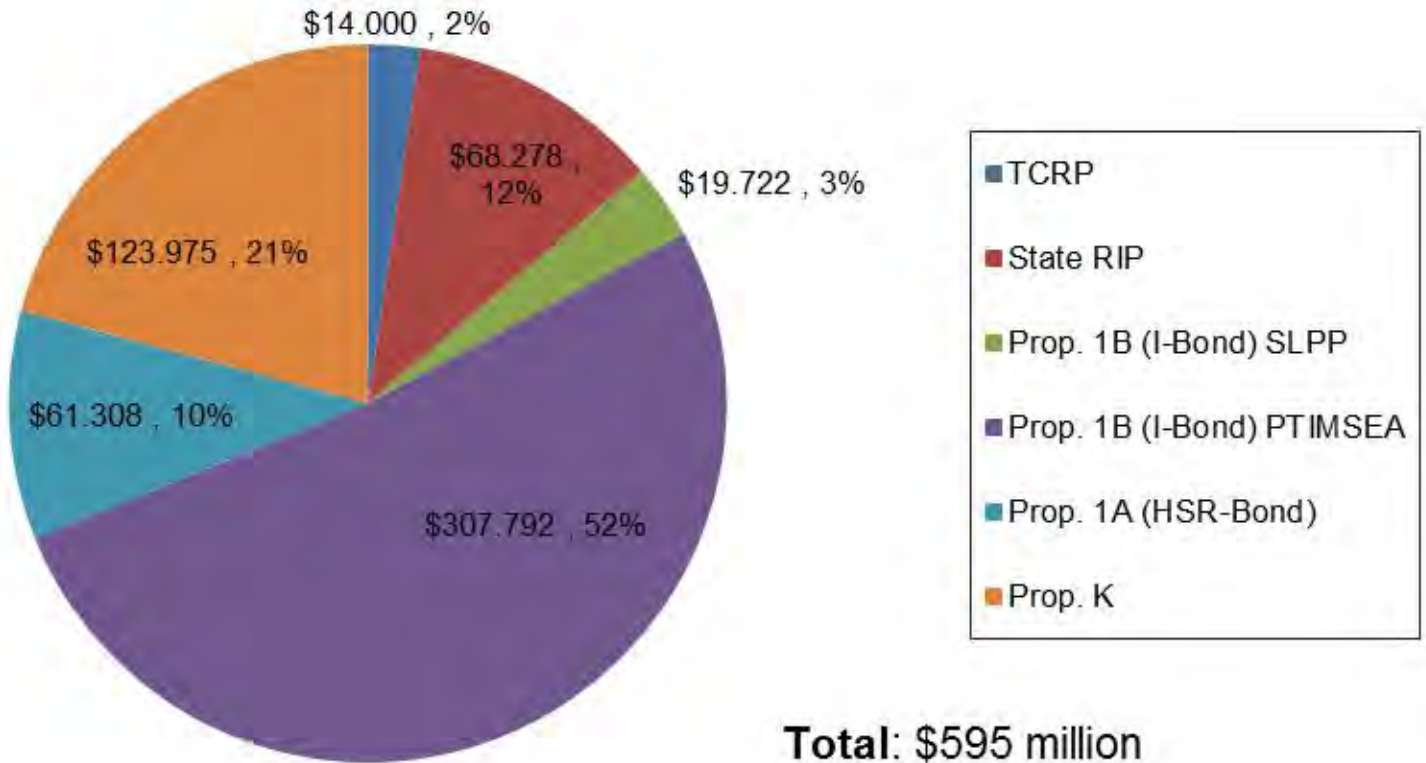
### Central Subway Project Funding

Phase 2  
(\$ in millions)



# State and Local Funding

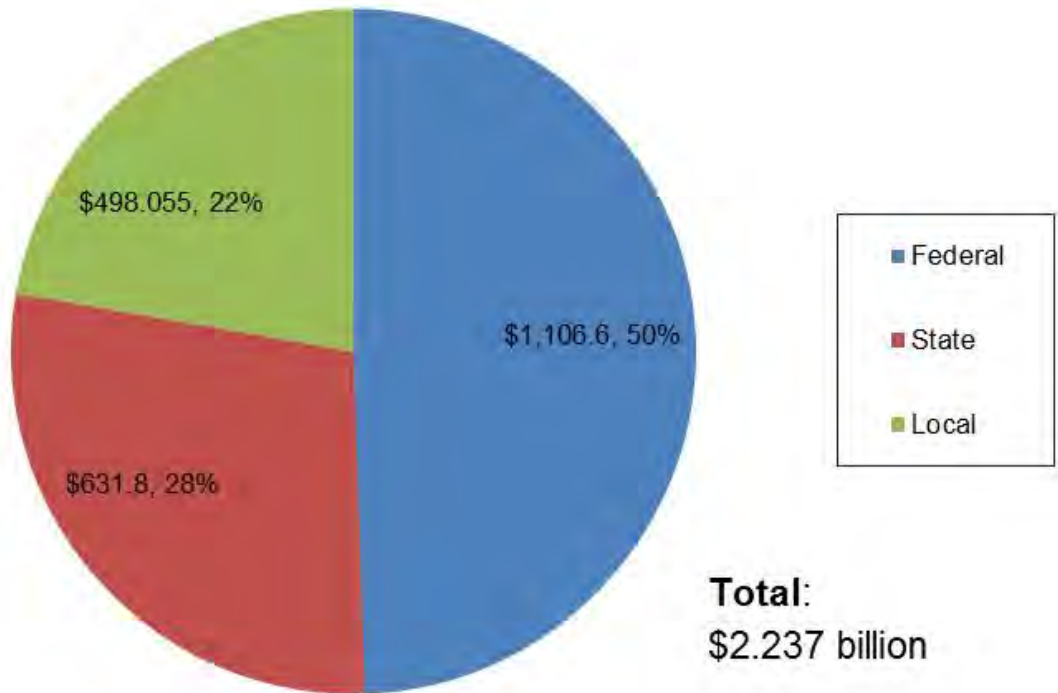
Phase 2  
(\$ in millions)





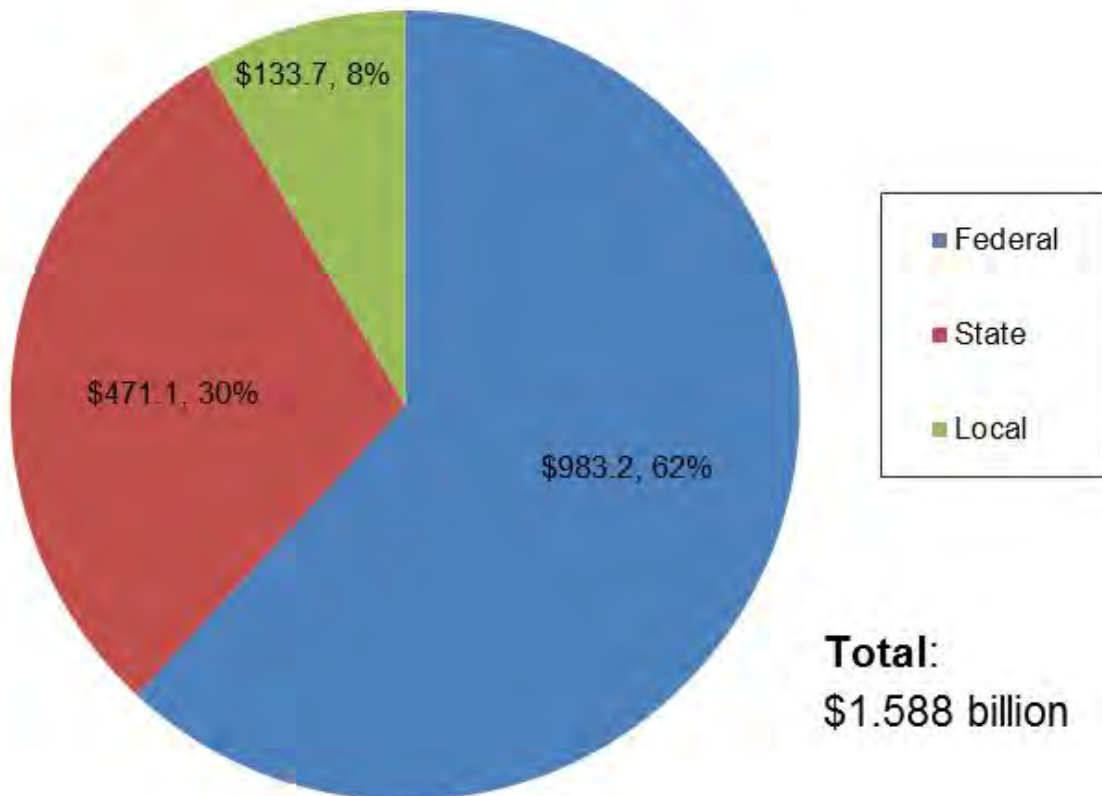
## Third Street Light Rail Transit Project Funding

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

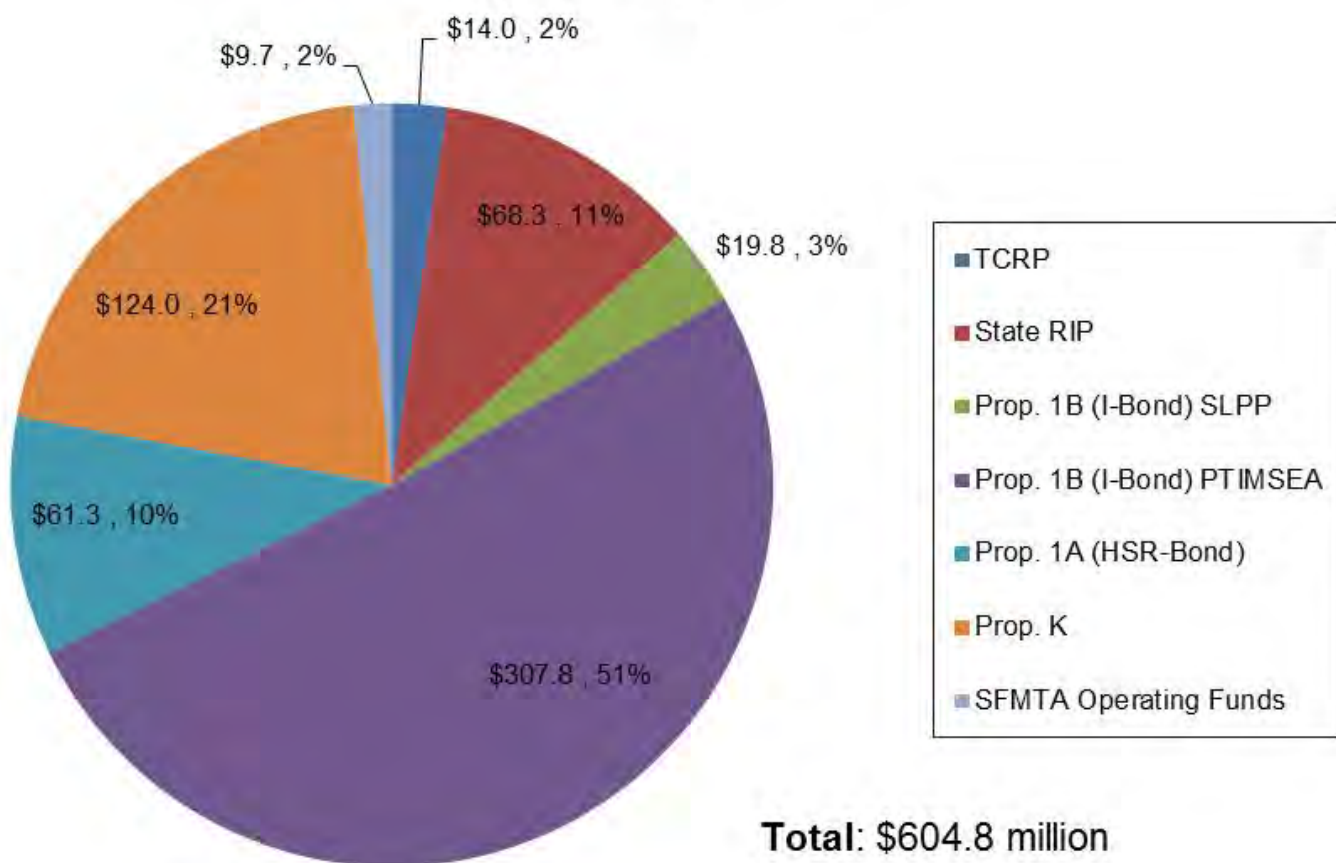


## Central Subway Project Funding

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

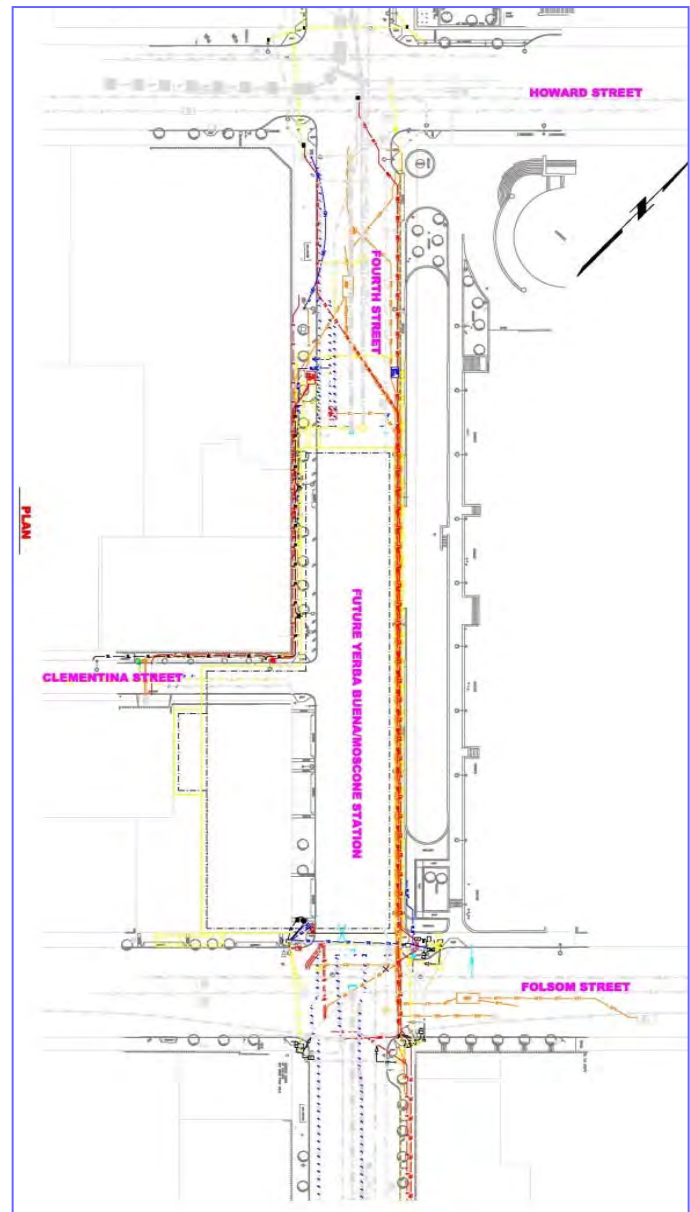
<b>Contract Awarded:</b>	November 17, 2009
<b>Notice to Proceed:</b>	January 4, 2010
<b>Substantial Completion:</b>	June 23, 2011
<b>Contract Award Value:</b>	\$ 9,273,939
<b>Modifications Final :</b>	\$ 2,694,211
<b>Final Contract Value:</b>	\$11,968,150

## 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

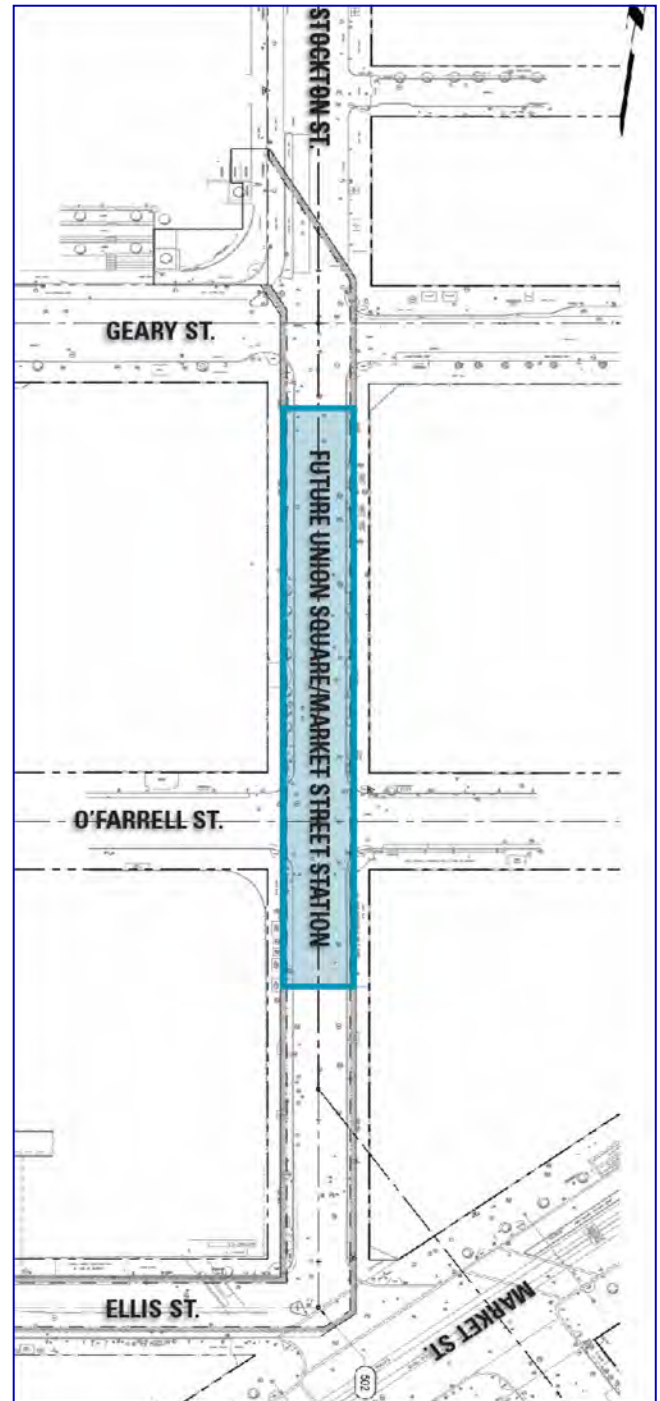
**Contract 1251**

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	
<b>Contract Awarded:</b>	<b>June 28, 2011</b>
<b>Notice to Proceed 1:</b>	<b>January 27, 2012</b>
<b>Notice to Proceed 2:</b>	<b>March 14, 2012</b>
<b>Partial NTP 3:</b>	<b>April 12, 2012</b>
<b>Notice to Proceed 3:</b>	<b>October 15, 2012</b>
<b>Substantial Completion:</b>	<b>April 13, 2015</b>
<b>Contract Award Value:</b>	<b>\$233,584,015</b>
<b>Modifications to Date:</b>	<b>\$7,825,155</b>
<b>Current Contract Value:</b>	<b>\$241,409,170</b>



## *Appendix E*

### **SBE PARTICIPATION**

Quarterly Report

Current Report: January 2018 – March 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 March 31, 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%	\$9.94	30.0%	\$4.45	\$2.98	26.0%
3	155-1	PB Telemon	Tunnels Design	\$7.94	30%	\$7.90	30.2%	\$2.38	\$2.39	31.6%
4	155-2	CS Design Group	Stations Design	\$37.05	30%	\$40.73	31.6%	\$11.12	\$12.87	36.4%
5	155-3	HNTB, Inc.- B&C	Systems, Track & Surface Station Design	\$17.23	30%	\$14.99	25.1%	\$5.17	\$3.76	30.0%
<b>Subtotal Professional Services</b>				<b>\$164.48</b>		<b>\$140.58</b>		<b>\$48.66</b>	<b>\$43.70</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	\$47.40	20%	\$600.80	20.7%	\$169.48	\$124.49	25.5%
<b>Subtotal Construction Contracts</b>				<b>\$1,122.11</b>		<b>\$867.80</b>		<b>\$191.16</b>	<b>\$168.45</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.  
 Column F is the actual SBE dollar amount out of the total contract expenditure to date:

<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”).

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

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

- c) Column G, the Contractor's SBE Goal in the submitted bid, is background information that is not calculated in the table. The table source of the Contractor's SBE Goals is from the SFMTA Contract Compliance Office. A Contractor's SBE goal in the bid is one source used by SFMTA Contract Compliance to assess and propose the Agency's SBE goal for a contract.
- d) The three constructions contracts shown in **bold type, 1250, 1251 and 1277**, with gray background, are completed contracts. Little to no changes will be shown in future reports.
- e) The SBE Hill International Actual to Date SBE participation is 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 #51, March 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: 3/31/2018

Contract:	<b>Project Management and Construction management</b>	
Contract No.	<b>CS-149 Central Subway Partnership*</b>	
Status:	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%

Contract:	<b>Project Controls Cost and Schedule Support</b>	
Contract No.	<b>CS 156 Hill International Task 1*</b>	
Status:	On-going	
	Base Contract Value	\$17,112,873
	Approved Change Orders	-0-
	Current Contract Value	\$17,112,873
	Expended to Date (est.)	\$9,944,599
	% Expended	58.1%
	SBE SFMTA Goal	26.0%
	SBE Participation	29.5%

Contract:	<b>Design Package 1 for CNs 1250, 1251 and 1252 Tunnels</b>	
Contract No.	<b>CS-155-1 PB / Telemon*</b>	
Status:	Design is completed. Construction support ongoing	
	Base Contract Value	\$5,795,000
	Approved Change Orders (7)	\$2,145,159
	Current Contract Value	\$7,940,159
	Expended to Date (est.)	\$7,904,713
	% Expended	99.6%
	SBE SFMTA Goal	30.0%
	SBE Participation	30.2%

Contract:	<b>Design Package 2 for 1253 UMS, 1254 CTS, 1255 YBM Stations.</b>	
Contract No.	<b>CS-155-2 Central Subway Design Group*</b>	
Status:	Design is completed. Construction support ongoing	
	Base Contract Value	\$39,949,948
	Approved Change Orders (1)	\$1,626,722
	Current Contract Value	\$41,576,670
	Expended to Date (est.)	\$40,730,275
	% Expended	98.0%
	SBE SFMTA Goal	30.0%
	SBE Participation	31.6%

Contract:	<b>DP 3 Systems, Track work, Surface station.</b>	
Contract No.	<b>CS-155-3 HNTB-B&amp;C*</b>	
Status:	Design is completed. Construction support ongoing	
	Base Contract Value	\$16,864,250
	Approved Change Orders (5)	\$368,002
	Current Contract Value	\$17,232,252
	Expended to Date (est.)	\$14,990,741
	% Expended	87.0%
	SBE SFMTA Goal	30.0%
	SBE Participation	25.1%

\* denote accrual

### Active and Completed Construction Contracts - SBE Participation Details

<i>Data as of:</i>		3/31/2018
Contract:	<b>Synergy Inc Utility Relocation 1 YBM &amp; Launch Box</b>	
Contract No.	<b>1250</b>	
Status:	<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%
Contract:	<b>Synergy Inc Utility Relocation 2 UMS</b>	
Contract No.	<b>1251</b>	
Status:	<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%
Contract:	<b>Pagoda Palace Demolition / MH Construction</b>	
Contract No.	<b>1277</b>	
Status:	<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%
Contract:	<b>Tunnels Barnard/Impregilo/Haley</b>	
Contract No.	<b>1252</b>	
Status:	<b>Construction is underway and ongoing</b>	
	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%
Contract:	<b>Stations and Systems / Tutor Perini</b>	
Contract No.	<b>1300</b>	
Status:	<b>Construction is underway and ongoing</b>	
	Base Contract Value	\$839,676,400
	Approved Change Orders	\$8,359,907
	Current Contract Value	\$848,036,307
	Expended to Date (est.)	\$600,795,299
	% Expended	70.8%
	SBE SFMTA Goal	20.0%
	SBE Participation To Date	20.7%

*Photos on the next page:*

In March 2018, Mayor Mark Ferrell answers questions at a press event marking the end of site excavation inside the Chinatown Station platform cavern. At Union Square/Market Street Station, initial rebar segments are being installed to prepare for construction of the station platform. At Yerba Buena/Moscone Station, construction of the station headhouse roof slab and beams can be seen in phases from South to North. Finally, construction of raised tunnel walkways has reached the S-curve approach to the Union Square/Market Street Station from the South.



# central subway

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