

central subway

Wrapping up Tunneling Contract 1252: A job well done



Progress Report

April 2015



SFMTA
Municipal
Transportation
Agency

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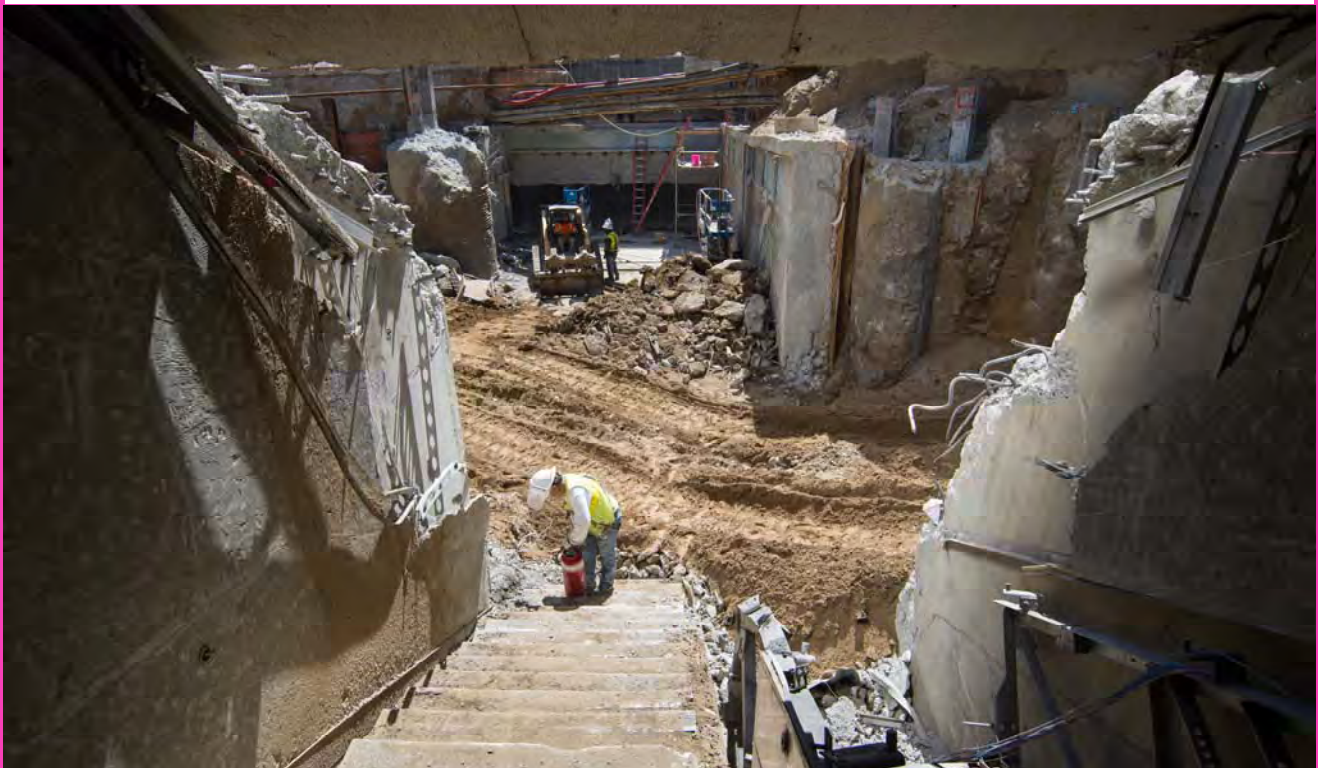
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Cover photo: With substantial completion achieved for the tunneling contract (Contract 1252), contractor Barnard Impregilo Healy (BIH) has completed a substantial portion of project construction. This included the tunnel boring machine (TBM) launch box, twin subway tunnels, the TBM retrieval shaft, and conversion of the TBM launch box into the tunnel portal. **More photos of this construction can be found starting on page 35.**

Above photos: Looking down the former steps and escalator incline to the Ellis Street entrance to Powell BART/Muni Station, the site has now been excavated to construct the south concourse of the Union Square/Market Street Station. First, the ceiling structure was removed, followed by unnecessary bearing walls. Next, the contractor will install structural roof elements and begin reconstructing the concourse.

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.centuralsubwaysf.com/>



Inside the Union Square Garage, workers are currently drilling holes in the exterior walls to install tiebacks. These will help reinforce existing walls during reconstruction.

Executive Summary

Excavation inside the subway station box areas began in earnest. The initial excavations now underway at YBM, UMS and CTS are opening space for installing the concrete roof of the future stations.

Chinatown Station - Formed and poured surface level slab three out of four pours. Install surface settlement points on Stockton Street.

Union Square/Market Street Station - Installed I beams for roof installation between Maiden Lane and Geary Street & at Ellis St. Continued production Jet Grouting on East Side of Stockton Street. Continued installing and testing Tiebacks for Union Square Garage demolition. Continued demolition of BART Annex on Ellis Street

Yerba Buena/Moscone Station - All west side roof slab segments for station box on 4th Street have been placed and waterproofed. Roof slab over portion of headhouse beneath Clementina Street has been placed. Utilities (AWSS and water mains) have been installed above the west side station box roof and backfilled.

Surface, Track and Systems Continue Muni ductbank installation. DPW and SFPUC reviewed 100% of design of Design-Build 78" sewer. Contractor progressing toward 100% design of 48" sewer and 36" sewer force main. Started 78" sewer rehabilitation

Tunnel - achieved Substantial Completion on April 15, 2015. Contract Closeout and restoration activities are ongoing to complete the remaining work by Final Completion in May 2015.

Total project costs to date are \$785.27 million, an increase of \$12.90 million over last month. The total cost to date equals 49.75% of the total project budget of \$1.578 billion. The Master Project Schedule continues to forecast the Revenue Service Date of December 26, 2018.

The Tunnel and Stations Contractors' Safety Reports show no recordable accidents took place this month and the rates of work site accident incidents by the man hours worked continue to be below industry standards - see tables on pages 30 and 31.

Key Milestones

Excavation of the south concourse at Union Square/Market St. Part 2



1 Soil is removed and legacy shoring walls from BART construction are removed



2 Redundant elements of the Powell Station entrance are removed where needed

MILESTONE	DATE EXPECTED
General	
Revenue Service	December 2018
Contract 1252 Tunnels	
Substantial Completion	April 15, 2015 (A)
Contract 1300 Stations, Surface, Track, Systems	
Notice to Proceed (NTP 1)	June 17, 2013 (A)
Notice to Proceed (NTP 2)	January 12, 2014 (A)
Substantial Completion	February 10, 2018



3 Workers begin installing steel beams to support the future roof structure

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 \$785.27 million, a \$12.90 million increase over last month. The cost to date figure reflects expenditures through FAMIS 786 Report (\$734.37 million) plus the utilities joint trench Form B Reimbursement payment (\$10.03 million), invoices currently being processed (\$25.41 million) and estimates of outstanding pay requests (\$15.46 million). This incurred amount equals 49.75% of the total project budget of \$1.578 billion.

The current funding level to date is \$1,029.79 million. This represents 65% of the total project budget.

Earned Value Analysis

For April the Earned Value Analysis below reports the Planned Value, Earned Value, Percent Complete and resulting indexes as follows.

Overall Budgeted Cost:	\$ 1,578,300,000
Planned Value:	\$ 835,944,713
Earned Value:	\$ 772,893,775
Actual Cost:	\$ 785,278,346
Schedule Performance Index (SPI):	0.92
Cost Performance Index (CPI):	0.98
% Complete:	48.83%

Over all, the program is 48.83% complete, with SPI of 0.92 and CPI of 0.98. The Earned Value Cash Flow is shown in Report 7.2 below.

Schedule Highlights (See Appendix B for Details)

The Master Project Schedule (MPS) below includes progress through March 31, 2015.

The MPS continues to forecast the Revenue Service Date of December 26, 2018.

The controlling critical (longest) path of the MPS runs through CTS succeeded by Commissioning and Pre-Revenue Activities to the Baseline Finish and Revenue Service Date. See Appendix B – Longest Path.

The Schedule Contingency is 4.8 months on the critical path of the MPS, which is below the Minimum Schedule Contingency level of 8 months. Revisions to the Schedule Contingency minimum levels have been developed and reviewed by FTA. Revisions to schedule contingency minimum levels have been reevaluated utilizing the approved Contract 1300 baseline schedule and found to be consistent with previous results. A re-evaluation is now required, utilizing the updated Contract 1300 Schedule to justify any revisions to current minimums.

The 1300 Contractor submitted the third Schedule Update (thru February 2015), indicating the same 6 month late finish as shown in the January 2015 and December 2014 update. All updates have been rejected and require resubmission. The 1300 Contractor continues address key critical activities to recover lost time and improve schedule performance. Review of schedule update as well as identifying recovery options is ongoing.

Contract 1252 Tunnels:

The 1252 Contract achieved Substantial Completion on April 15, 2015. Contract Closeout and restoration activities are ongoing to complete the remaining work by Final Completion.



With the roadway now restored between Harrison and Bryant, temporary striping has been added.

Schedule Highlights - Continued

Contract Milestones	Required Finish	MAR 2015 Finish	FEB Finish	Ahead/ Behind Requirement
Contract 1252 Tunnel Substantial Completion	15-Apr-15	15-Apr-15	15-Apr-15	(0) CD

Contract 1252 performed the following work this period:

- Completing remaining punch list in Portal Structure
- Demobilize from Caltrans yard

Contract 1300 Stations, Surface, Track and Systems

Contract 1300 schedule currently shows a summary version of Tutor Perini Corporation's (TPC) preliminary Baseline and Bid Schedule. This summary 1300 schedule will be replaced with Tutor's approved Baseline Schedule and monthly update schedule. Update Schedule is currently under SFMTA review. The Update Schedule will be incorporated into mater program schedule if the major review comments are incorporated.

Contract 1300 has several interface points with Contract 1252. The timing of these interface points correlate to when the NTP was issued for Contract 1300. This table represents the current status of these interface points with respect to the Contract 1252 update. The 1300 Contractor is not ready to access the tunnel used by Contract CN-1252. The tunnel access from Contract 1252 is not expected to impact Contract 1300. The current completion date of the Contract 1252 is shown in the table below.

Interface Points	CN1300 Requirement	CN 1252 Mar 2015 Update	Variance	
Tunnel Portal Completion	24-Sep-15	15-May-15	132	CD

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

- Formed and Poured Surface Level Slab three out of four pours
- Install surface settlement points on Stockton St
- Pothole dewatering wells on Stockton Street
- Install inclinometers on Stockton Street
- Relocate 12 inch water line at North Egress Shaft

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

- Continued demolition of BART Annex on Ellis Street
- Installed I beams for roof installation between Maiden Lane and Geary Street and at Ellis Street
- Continued production Jet Grouting on East Side of Stockton Street
- Continued Jet Grout Test Program on West Side of Stockton Street
- Continued installing and testing Tiebacks for Union Square Garage demolition
- Mobilized for compensation grout pipe installation

Schedule Highlights - Continued

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

- All west side roof slab segments for station box on 4th Street have been placed and water-proofed
- Roof slab over portion of headhouse beneath Clementina Street has been placed
- Utilities (AWSS and water mains) have been installed above the west side station box roof and backfilled
- Archaeological monitoring in progress

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

- DPW and SFPUC reviewed 100% of design of Design-Build 78" sewer
- Contractor progressing toward 100% design of 48" sewer and 36" sewer force main
- Continue Muni ductbank installation
- Started 78" sewer rehabilitation



South of Brannan on 4th, the contractor is reconstructing this 78-inch sewer with a new, reinforced concrete roof. This will stand the weight of trains rolling overhead.

Master Project Schedule

Page 1 of 1

Activity ID	Activity Name	Original Duration	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																																
CENTRAL SUBWAY PROJECT																																																																	
Program Level Milestones																																																																	
PJ01000	Central Subway Project Start	4038	CENTRAL SUBWAY PROJECT																																																														
M300044	Tunnel Excavation Complete - Project Milestone #44	0	Program Level Milestones																																																														
M300019	Baseline Finish Date: 12-28-2018	0	Tunnel Excavation Complete - Project Milestone #44																																																														
M300005	CSP Revenue Service Date	0	Baseline Finish Date: 12-28-2018																																																														
Preliminary Engineering Phase																																																																	
2361	Final Design	2361	CSP Revenue Service Date																																																														
2371	Light Rail Vehicles	2371	Final Design																																																														
2371	Real Estate	2371	Light Rail Vehicles																																																														
2346	Construction Phase	2346	Real Estate																																																														
2871	Construction support and Costs	2871	Construction Phase																																																														
606	Construction Utility Contract #1- MOS & Portal CN-1250	606	Construction support and Costs																																																														
843	Construction Utility Contract #2 - UMS CN-1251	843	Construction Utility Contract #1- MOS & Portal CN-1250																																																														
1076	Construction Tunnels CN-1252	1076	Construction Utility Contract #2 - UMS CN-1251																																																														
1388	Construction CN-1300	1388	Construction Tunnels CN-1252																																																														
1790	CN-1300 Milestone	1790	Construction CN-1300																																																														
2016	Construction UMS Station P-1253	2016	CN-1300 Milestone																																																														
1254	Construction CT3 Station P-1254R	1254	Construction UMS Station P-1253																																																														
1254	Construction YBM Station P-1255	1254	Construction CT3 Station P-1254R																																																														
633	UMS-1258 Contract Modification	633	Construction YBM Station P-1255																																																														
176	Project Start Up	176	UMS-1258 Contract Modification																																																														
Unallocated Contingency																																																																	
C01.700	Cost Activity Unallocated Contingency (LOE) - 1,7,600,986,090.00 - Contingency	218	Project Start Up																																																														

SFMTA Central Subway Project
Master Project Schedule
Summary Schedule - April 2016

Required Revenue Service Date: 28-Dec-18
Data Date: 30-Apr-16



Underneath Stockton Street north of Ellis, a drill rig sits idle in the future south concourse to the Union Square/Market Street Station. This void was excavated during the latter half of 2014 and decked over.

Contracts & Construction

Construction Contracts In Progress

Contract 1252: Central Subway Tunneling

- Contractor: Barnard Impregilo Healy (BIH) JV
- Amount: \$241.29 million
- Contract Status: 99.46% complete construction

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

- Contractor: Tutor - Perini Corporation
- Amount: \$838.24 million
- Contract Status: 30.09% 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 SBE Participation (Updated Quarterly)

[See Appendix E](#)

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.

Current Status

- Complete remaining punch list in Portal Structure
- Demobilize from Caltrans yard

Work Expected Next Month

- Complete remaining punch list activities
- Demobilize from Caltrans yard
- Final completion and administrative closeout by construction management team

Three Month Look Ahead

- Administrative closeout by construction management team
- Final completion



Subway Tunneling/Portal Construction Contract - Continued

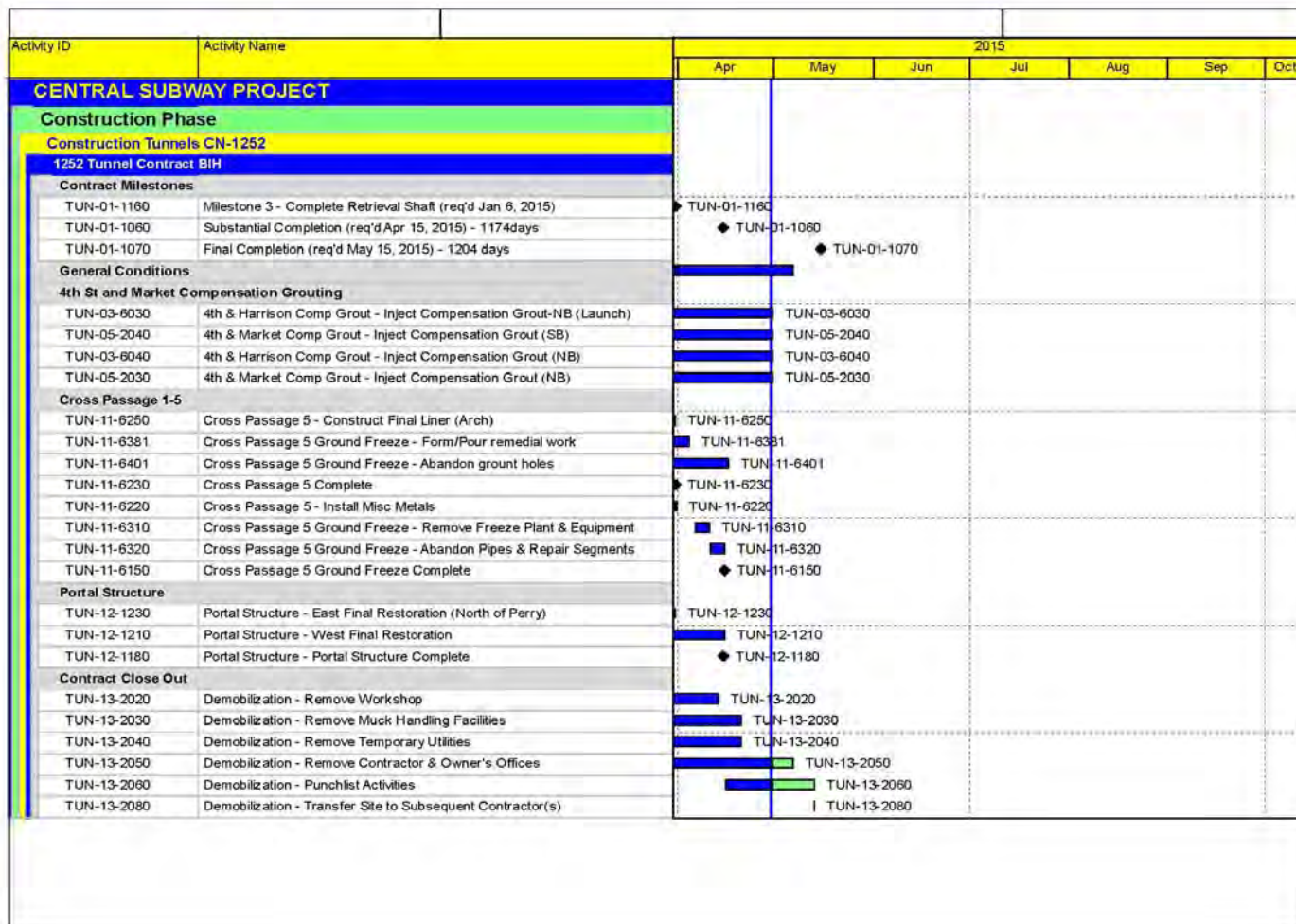
Contract Details

Contract Awarded:	June 28, 2011
Notice to Proceed 1:	January 27, 2012
Notice to Proceed 2:	March 14, 2012
Partial NTP 3:	April 12, 2012
Notice to Proceed 3:	October 15, 2012
Substantial Completion:	April 15, 2015
Contract Award Value:	\$233,584,015
Modifications to Date:	\$7,707,417
Current Contract Value:	\$241,291,432

Budget/Expenditures

Category	Amount
Current Budget	\$251,068,968
Other Project Budget	\$5,150,000
Other Offset Credits	\$1,135,610
Expenditures to Date	\$233,731,263

Three Month Schedule



Stations, Surface, Track and Systems

Contract 1300 Contractor: Tutor-Perini Corporation

Description of Work

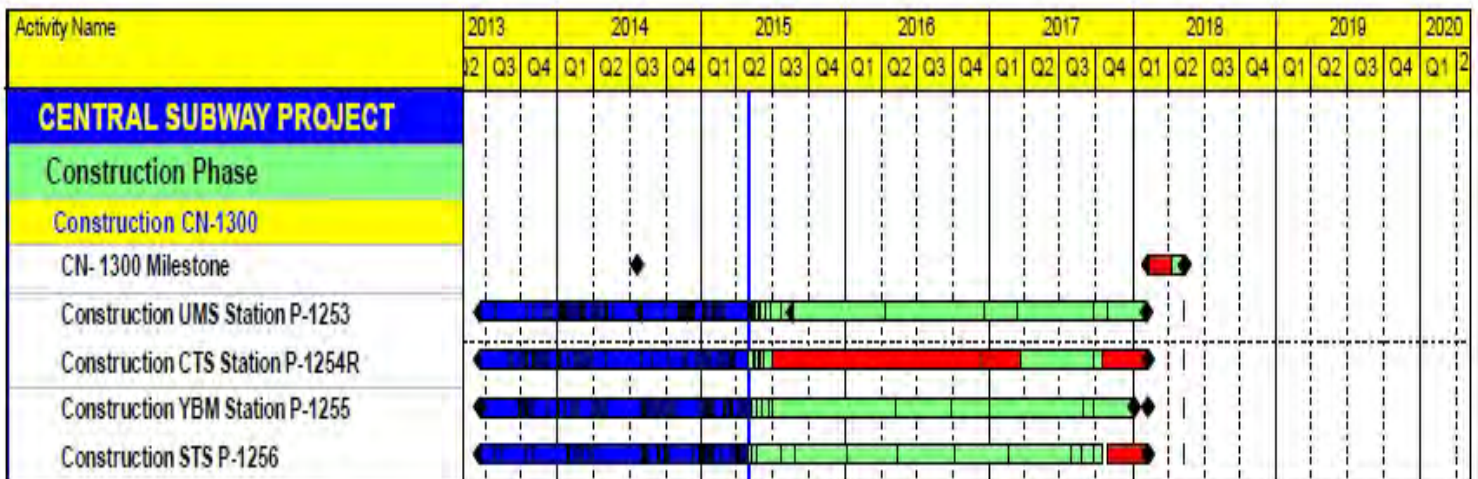
The Contract 1300 scope is to construct the Central Subway's three subway stations, one surface station, construct the 2,000 feet of surface track, and install track and operating systems throughout the new alignment. The separate station and systems work packages are presented in the following pages.

Work includes station finishes, AC & 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

Contract Details	
Contract Awarded:	May 21, 2013
Notice to Proceed:	June 17, 2013
Substantial Completion:	February 10, 2018
Contract Award Value:	\$839,676,400
Modifications to Date:	(\$1,432,743)
Current Contract Value :	\$838,243,657

Budget/Expenditures▲	
Current Budget	\$859,676,400
Expenditures to Date	\$252,211,307

1300 Summary Schedule



Chinatown Station

Contract 1300 - Work Package 1254R



Description of Work

Station finishes, AC and DC traction power substations, elevators, escalators, lighting, emergency ventilation fans, HVAC fire alarm/ suppression/ protection, slurry or secant pile and SEM excavation, settlement monitoring, building protection, PA, CCTV, signage, installation of fare collection equipment, station start-up and commissioning.

Current Work Status

- Formed and Poured Surface Level Slab three out of four pours
- Install surface settlement points on Stockton St
- Pothole dewatering wells on Stockton Street
- Install inclinometers on Stockton Street
- Relocate 12 inch water line at North Egress Shaft

Work Expected Next Month

- Install dewatering wells on Stockton St
- Begin mass excavation to elevation, install first bracing level
- Install inclinometers on Stockton Street
- Install water line on Stockton Street
- Finish Surface Level Shaft, waterproof
- Backfill surface slab at Washington Street
- Install service crane
- Demolish bulb out North Access Shaft



A carpenter works to construct concrete forms used to build the station roof slab.

Three Month Look Ahead

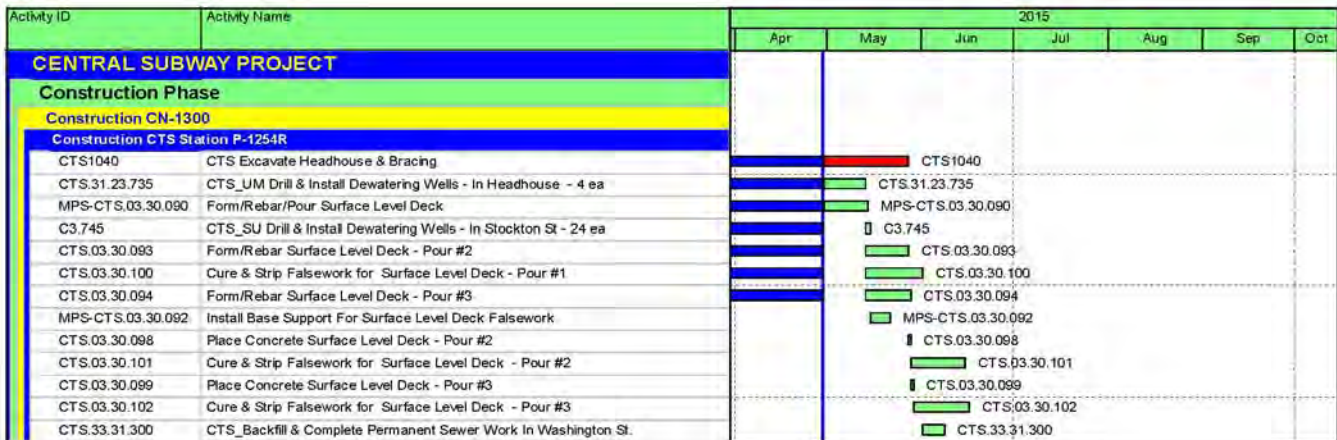
- Excavate to El 70, install compensation grout tubes, pre grout
- Backfill Surface slab at Washington St, relocate utilities back into Washington St
- Slip line brick sewer on Stockton Street
- Drill dewatering wells on Stockton Street
- Install inclinometer on Stockton Street
- Open Sidewalk Washington St
- Relocate PGE around North Access Shaft

Chinatown Station Construction Status - Continued

Contract Details	
Contract Awarded:	May 21, 2013
Notice to Proceed:	June 17, 2013
Substantial Completion:	February 10, 2018
Contract Award Value:	\$247,567,810
Modifications to Date:	\$230,956
Current Contract Value:	\$247,798,766

Budget/Expenditures	
Current Budget	\$252,567,810
Expenditures to Date	\$57,398,645

CTS Three Month Schedule



Union Square/Market Street Station

Contract 1300 Work Package 1253

Description of Work

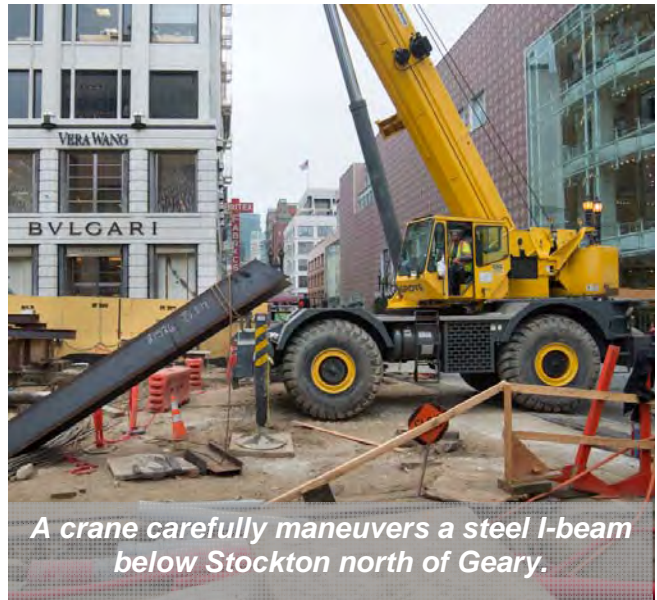
Station work site development includes archaeological investigation and utility relocation. Station structure work includes inclined tangent piles, secant pile top-down compensation grouting, parking garage demolition, cut and over construction and structural concrete, settlement monitoring, building protection.

Systems work includes AC substations, elevators, escalators, lighting, emergency ventilation fans, HVAC fire alarm/ suppression/ protection, PA, CCTV, signage, installation of fare collection equipment and station start-up and commissioning.

Interior work includes station finishes, connecting to and modifying the BART Powell Street Station.

Current Status This Month

- Continued demolition of BART Annex on Ellis Street
- Installed I beams for roof installation between Maiden Lane and Geary Street and at Ellis Street
- Continued production Jet Grouting on East Side of Stockton Street
- Continued Jet Grout Test Program on West Side of Stockton Street
- Continued installing and testing Tiebacks for Union Square Garage demolition
- Mobilized for compensation grout pipe installation



A crane carefully maneuvers a steel I-beam below Stockton north of Geary.

Work Expected Next Month

- Street closures: Stockton Street between Ellis and Post and Ellis halfway, Stockton to Powell.; Limited nighttime closure of Geary Street at Stockton and Grant and Stockton Street closed at Post
- Union Square Garage – tieback installation, micro-pile installation, and demolition
- Continue jet grouting operations on East and West sides of Stockton Street between Geary and O'Farrell Streets
- Install I beams for roof installation between Maiden Lane and Geary Street
- Demolition and roof deck installation operations at Ellis Street Annex
- Begin installing Compensation Grout pipes for building protection along Stockton Street

Three Month Look Ahead

- Progress I-beam, roof deck and waterproofing installation for roof deck construction
- Continue demolition operations at Ellis Street on remaining BART structure to be removed
- Install new roof on Ellis for BART Station entrance to UMS station
- Begin Union Square Garage (USG) demolition for North concourse entrance
- Continue working on Union Square Garage, tieback installation, micro-pile installation and demolition
- Continue jet-grouting operations on Stockton Street between Geary and O'Farrell Streets
- Install new roof on Station between Maiden Lane and Geary Street
- Begin installing Compensation Grout pipes for building protection along Stockton Street

Union Square Market Street Station Construction - Continued

Contract Details	
Contract Awarded:	May 21, 2013
Notice to Proceed:	June 17, 2013
Substantial Completion:	February 10, 2018
Contract Award Value:	\$294,030,590
Modifications to Date:	\$90,000
Current Contract Value:	\$294,120,590

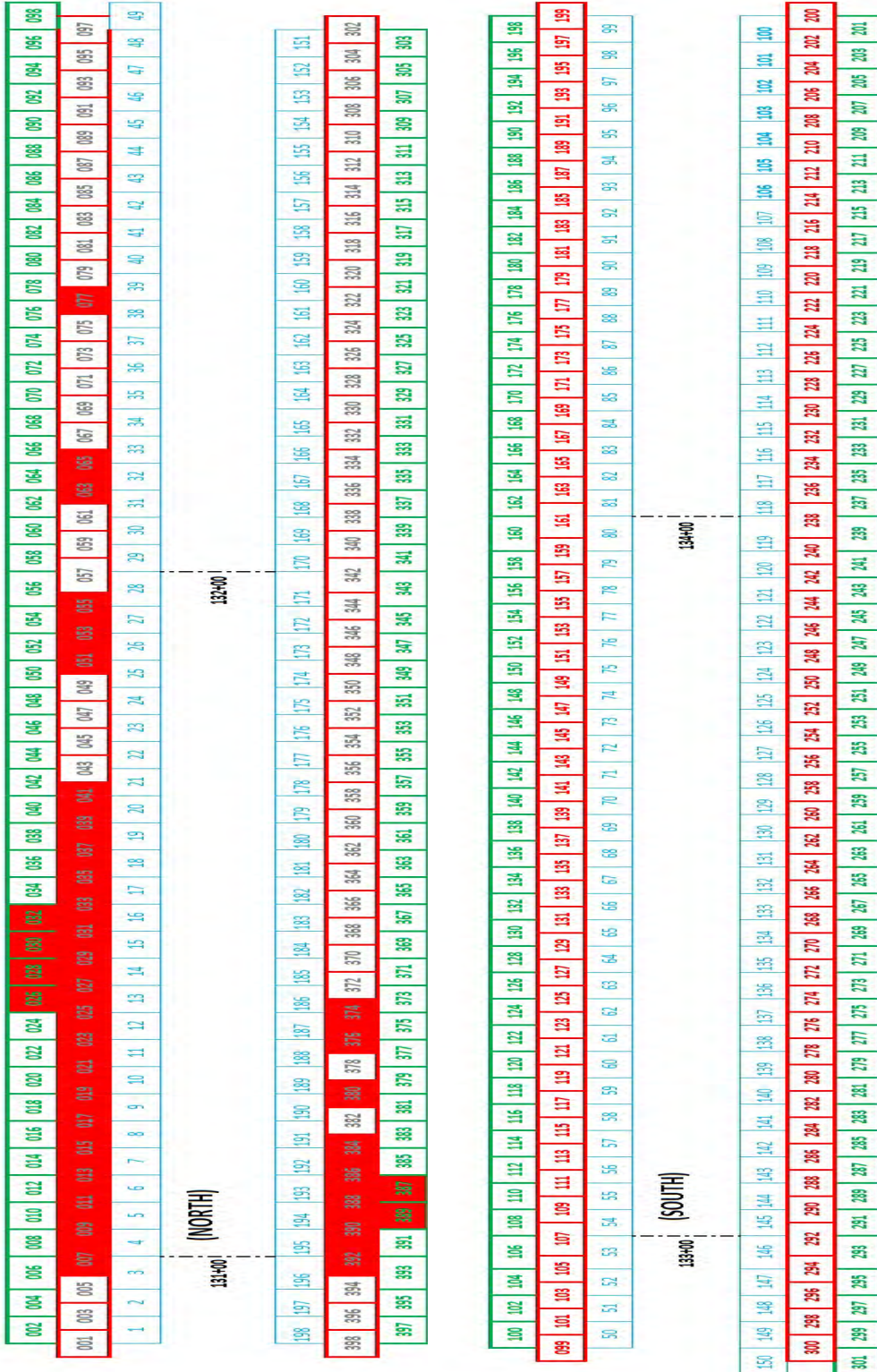
Budget/Expenditures ▲	
Current Budget	\$299,030,590
Expenditures to Date	\$109,606,846

UMS Three Month Schedule

Activity ID	Activity Name	2015						
		Apr	May	Jun	Jul	Aug	Sep	Oct
CENTRAL SUBWAY PROJECT								
Construction Phase								
Construction CN-1300								
Construction UMS Station P-1253								
UMS.31.20.202.1b	UMS_Excavate To Compensation Grout Level - Sta 135+92 To Sta 136+28							
UMS.31.32.100.2a	UMS_Jet Grout Stockton St East/West Side for Water Seal Rig#2 Pour 2A							
UMS.31.43.510.1b	UMS_Install Compensation Grouting Tubes - Armani Sta 135+92 to 136+28							
UMS.02.41.0375	UMS_Demo Sub-Basement Walls, Beams & Lagging - Stockton St - Maiden To Geary (West Side)							
UMS.31.20.205.2b	UMS_Backfill Roof Section To Subgrade & Move Skid - Sta 136+28 to Sta 136+64							
UMS.02.41.0060	UMS_Demo Garage Roof Slab							
UMS.31.20.202.2b	UMS_Excavate To Compensation Grout Level - Sta 136+28 To Sta 136+64							
UMS.31.20.202.3b	UMS_Excavate To Compensation Grout Level - Sta 136+64 To Sta 137+00							
UMS.31.43.510.2b	UMS_Install Compensation Grouting Tubes - Apple Store, Armani Sta 136+28 to 136+64							
UMS.31.43.510.3b	UMS_Install Compensation Grouting Tubes - Apple Store Sta 136+64 to 137+00							
UMS.33.11.0100	UMS_Install New 8" Water Main - South Side Ellis St							
UMS.31.32.0070	UMS_Jet Grout Under South Wall Footings - USG							
UMS.31.41.0240	UMS_Install Sheet Piles @ Access Shaft #2 (O'Farrell)*							
UMS.33.31.200.3b	UMS_Install Utilities, OCS Pier #3, & Backfill Street - Sta 136+64 to Sta 137+00							
UMS.31.32.105.2a	UMS_Jet Grout Stockton St West/East Side for Water Seal Rig#2 Pour 2A							
UMS.31.50.0250	UMS_Excavate, Lag & Support @ Access Shaft #2 (O'Farrell)							
UMS.31.20.1365	UMS_Shore Tunnel and ready for break in- Sta 132+50 To North Headwall							
UMS.31.32.105.3a	UMS_Jet Grout Stockton St East/West Side for Water Seal Rig#1 Pour 3A							
UMS.31.50.0260	UMS_Install Temporary Lid @ Access Shaft #2 (O'Farrell)							

UMS North End and South End Jet Grouting

Jet Grouting - 46 of 398 Completed



Yerba Buena/Moscone Station

Contract 1300 - Work Package 1255



Description of Work

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

- All west side roof slab segments for station box on 4th Street have been placed and waterproofed
- Roof slab over portion of headhouse beneath Clementina Street has been placed
- Utilities (AWSS and water mains) have been installed above the west side station box roof and backfilled
- Archaeological monitoring in progress

Work Expected Next Month

- Completion of west side road restoration.
- Traffic switch to close east side of 4th Street and begin east side station box roof construction
- Utility installation in vicinity of 4th Street at Folsom
- Archaeological Monitoring of excavation on east side of 4th Street

Three Month Look Ahead

- Restore west side roadway section on 4th Street and switch over to east side



Workers install pipes for water and sewer lines at the intersection of Clementina and 4th Street.

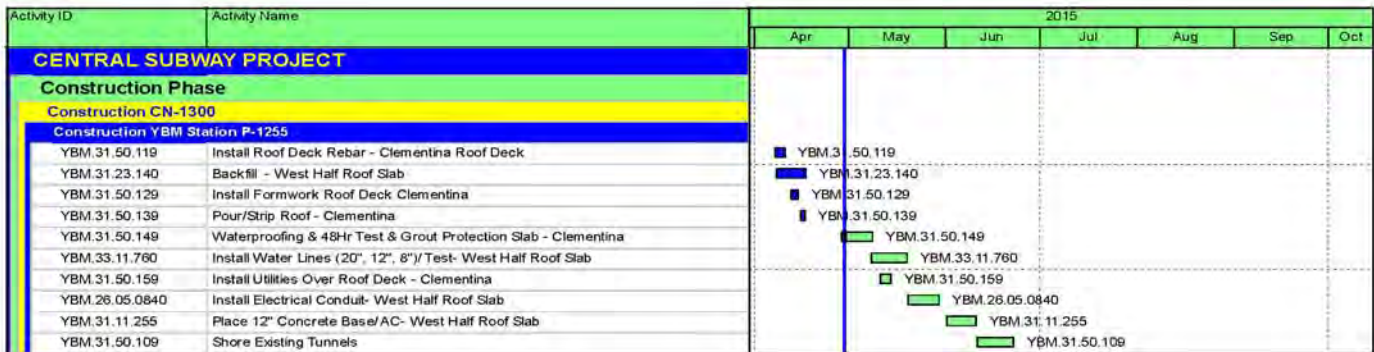
- East side station box roof slab excavation and concrete placement
- Utility Installation above east side station box roof slab
- Restore all traffic lanes on 4th Street
- Continue headhouse excavation, install excavation temporary bracing
- Archaeological Monitoring

Yerba Buena Moscone Station Construction - Continued

Contract Details	
Contract Awarded:	May 21, 2013
Notice to Proceed:	June 17, 2013
Substantial Completion:	February 10, 2018
Contract Award Value:	\$158,089,000
Modifications to Date:	(\$1,833,869)
Current Contract Value:	\$156,255,131

Budget/Expenditures ▲	
Current Budget	\$163,089,000
Expenditures to Date	\$63,681,316

YBM Three Month Schedule



Systems, Trackwork, & Surface Station

Contract 1300 - Work Package 1256

Description of Work

The Work under package 1256 for the construction of Surface, Track and Systems (STS) includes light rail track and systems, track invert, track safety walkways, constructed in guideway tunnels, emergency cross-passages, and three subway stations; 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

- DPW and SFPUC reviewed 100% design of Design-Build 78" sewer
- Contractor progressing toward 100% design of 48" sewer and 36" sewer force main
- Continue Muni ductbank installation
- Started 78" sewer rehabilitation

Work Expected Next Month

- Install waterline, AWSS, 36" force main
- Continue Muni ductbank installation
- Continue 78" sewer rehabilitation

Three Month Look Ahead

- Waterline installation
- AWSS installation
- Muni ductbank installation
- 36" sewer force main installation
- 78" sewer rehabilitation



This century-old brick sewer is getting a new lease on life with a reinforced concrete roof, on 4th Street south of Brannan.

Systems, Trackwork, & Surface Station Construction - Continued

Contract Details	
Contract Awarded:	May 21, 2013
Notice to Proceed:	June 17, 2013
Substantial Completion:	February 10, 2018
Contract Award Value:	\$139,989,000
Modifications to Date:	\$80,170
Current Contract Value:	\$140,069,170

Budget/Expenditures	
Current Budget	\$144,989,000
Expenditures to Date	\$21,524,500

Systems, Track and Surface Station Three Month Schedule

Activity ID	Activity Name	2015						
		Apr	May	Jun	Jul	Aug	Sep	Oct
CENTRAL SUBWAY PROJECT								
Construction Phase								
Construction CN-1300								
Construction STS P-1256								
STS.33.31.430	78" Sewer - Brannan to Bluxome - F/R/P Crown							
STS.33.31.095	Modify Existing 78" Curved Section Of Sewer Main In Brannan Intersection							
STS.26.05.3730	STS_Pothole Utilities: MRY Ductbanks On/Off 4th Street							
STS.33.51.150	STS_Pothole Utilities: Pothole for Gas Distribution							
STS.33.11.350	STS_Install Utilities: Track Drainage- 4th St (Bluxome St To Townsend St)							
STS.33.31.390	MRY Duct Bank Installation - Bluxome to Townsend							
STS.33.31.400	MRY Duct Bank Installation - Freeton to Welsh							
STS.33.31.410	Exc & Install Precast MRY Vaults - 4th Str							
STS.33.11.360	STS_Install Utilities: Track Drainage- 4th St (Townsend St To King St Tie-in)							
STS.33.31.380	STS_Install New Offset Sewer Manhole @ 4th St/Townsend							
STS.33.31.450	Modify Existing 78" Sewer Main Brannan To Bluxome St Manhole							
STS.33.31.440	78" Sewer - Brannan to Townsend - Exc/Demo Brick Cap							
STS1100	Modify Existing 78" Sewer Main Bluxome to Townsend St Manhole +/-							

Program Components

Community Outreach

Outreach public information, events and presentations for April 2015 include:

Assembled and updated FTA quarterly presentation

Field meeting with ambassador program to discuss issue and relocation of the 30 Stockton, 45 Union|Stockton, 8, 8ax, 8bx Bayshore

Work on and finalize newsletter. Newsletter was also translated into Chinese

Outreach in Support of Mitigation and Monitoring

Team members participated in weekly progress meetings related to Stations, Tracks and System construction and address neighborhood concerns

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

Weekly construction update emails sent to list of approximately 600 residents and stakeholders
 Distributed monthly construction update to STS and CTS neighborhood, CTS flier are bi-lingual

Media Coverage

Central Subway Media Coverage			
Date	Title (with link to story)	Source	Reporter/Writer
4/6/15	Warehouses become highrises: Map of S.F.'s Central SoMa real estate boom	SF Business Times	Cory Weinberg
4/22/15	Central Subway Tunnel Tour + Overview With Ed Reiskin in San Francisco	Gavel&Grand	Unknown
4/22/15	Open Trench At Future Union Square Station	SFHog	Rob Nicolo

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 two prime construction contractors and their subcontractors.

Stations and Systems Contract CN1300 Quality Assurance Monitoring – On Going

- UMS roof beam to pile WF installation – Installation of steel is proceeding as approved details allow
- UMS Water Proofing Subcontractor – Waterproofing Experts (no activity during this month – anticipated to begin May 2015)
- UMS Jet Grout Subcontractor, continuation of Jet Grout qualification testing on the West side of Stockton and (due to issues related to TPC not following established testing protocols, the test columns were relocated North of the original test area) - Layne
- CTS Slurry Wall Panels – preparation and/or repairs (CNCRs have been written to address the issue of some of the slab mechanical couplers not being as shown on the design drawings) of rebar threaded inserts being at incorrect elevations, threaded rebar inserts below the surface of the concrete (for reasons yet TBD) that can't be located or for threaded inserts that are not col-linear with mating rebar.
- YBM Slurry Wall Panels to roof slab and subsequent interior slabs
- YBM Water Proofing Subcontractor – Waterproofing Experts
- Daily Inspection Reports
- Smith Emery - TPC's laboratory and Inspection Services – including Special Inspections)
- Preparatory, Initial and Additional Initial Phase Meetings as required by Specification Section 01 45 00. Attendance/participation of these vital meetings (Contractor is not allowed to start work until such time that all prerequisite requirements have been met which continues to greatly facilitate all work being done to the strict requirements of the Contract Documents, the “first time”) continues to consume a significant percent of PQM's schedule.
- Bi-Weekly and ad hoc Quality Task Force Meetings are attended primarily to assist and support the Contractor's QC effort
- Weekly Instrumentation/Monitoring and Construction Management Task Force (CMTF) Meeting
- Progress Meetings for C1300, STS, YBM, UMS and CTS

Document comment and review:

- Contractor's submittals, e.g., review of welding, concrete and other Quality related submittals/ comments as requested to support the RE's and CM, and RFIs related to quality.
- QA Staff continues random/spot checks of the 1300 Contractor's Field Testing lab results; items requiring further action/investigation (missing or inconsistent data, compressive strength results

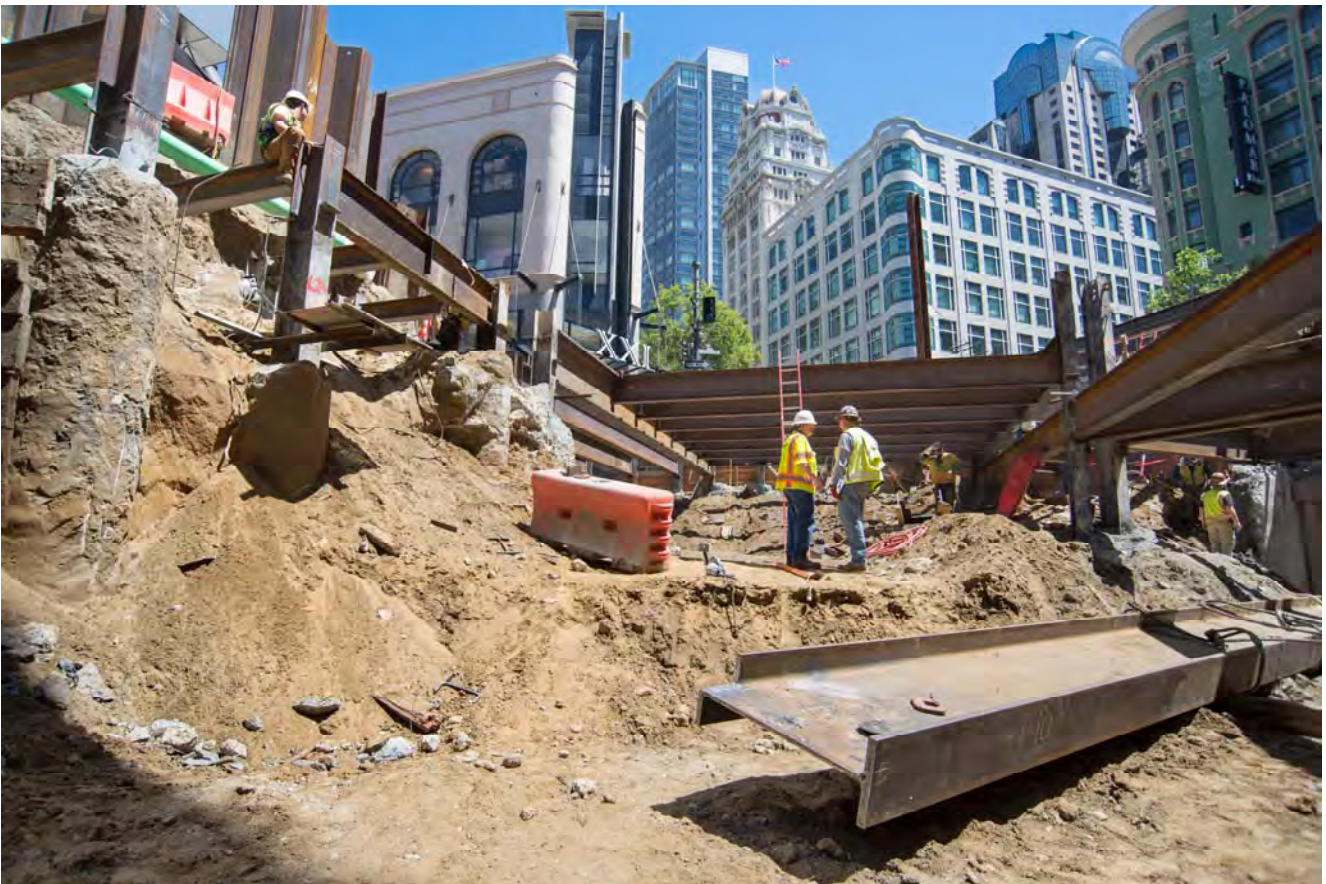
Quality Assurance - Continued

that appear to have a very broad range of values and such) are brought to the attention of the Contractor.

- Review of updated CNCR logs and CNCRs that provide guidance to REs regarding content, accuracy of the disposition and confirmation close-out is correct – TPC QC has been asked to correct the CNCR Log that will result in accurate descriptions and status of each CNCR. TPC QC is to fulfill the 24 hour initial generation of a CNCR upon becoming aware of a non-conforming condition, through the issuance of the “Initial Issue” of each CNCR. The Initial Issue of each CNCR will provide the “what” and “where” but not necessarily the “why” or how to prevent repeating CNCRs.

QA Issues:

- Because TPC’s Program Executive has yet to respond to CAR #4 Revisions 1 or 2, the issue of TPC Management not honoring the QCM’s authority to Stop Work remains unresolved. Note that the 01 45 00 Contractor Quality Control Specification Section requires that the CQM has the ability to issue SWNs).



Quality Assurance - Continued

- No work associated with the CNCRs that are dispositioned as Repair, is to be allowed until such time that the proposed repair included with each Repair dispositioned CNCR, has been approved by SFMTA's Resident Engineers

QA Concerns:

- No work associated with the CNCRs that are dispositioned as Repair, is to be allowed until such time that the proposed repair included with each Repair dispositioned CNCR, has been approved by SFMTA's Resident Engineers.
- TPC QCM not having the authority to exercise Stop Work to prevent non-conforming work from being incorporated into the permanent Work.
- · Necessity of using both Reinforcing Steel Design Drawings and approved Reinforcing Steel Shop Drawings to inspect/accept rebar placement.
- Incomplete/confusing shop drawing submittals for UMS structural steel resulting in QC and or QA stopping TPC from making welded connections upon discovery that approved details are missing.
- TPC fulfilling their obligation regarding the Instrumentation Task Force Meetings

Tunnel Contract CN1252 Quality Assurance Monitoring – Contract Close Out

Current QA Monitoring of the Implementation of the Contractors Quality Control Program:

1. Completion of Record Drawings aka, as-builts
2. Completion of turnover of all Quality Documentation
3. Completion of punch list items.
4. Cessation of leakage at the Tunnel Portal structure
5. Monitoring and evaluation of instrumentation and resulting data.
6. Turn-over of Quality Documentation

QA Issues:

None at this time because the Work is complete enough for Substantial Completion to be given to Contractor.

Other Program QA Practices Implemented

- Close-out of Corrective Action Requests: Close outs continued from Quality Assurance staff's Audits, Surveillances and PMOC Quarterly Reviews. The status is tracked in the Corrective Action Log that is provided to the project team and the FTA PMOC.
- On-going indoctrination to the CSP Quality Program continues on a one-to-one basis as new personnel are added to the PM/CM Staff.

Quality Assurance - Continued

- Initiated Quality Assurance Audit QAS 25 to determine the implementation and effectiveness of some components of the C1300 Contractor's approved Quality Control Program. The audit is anticipated to be completed early May 2015 with the write up completed at the end of May 2015.

Risk Management

Risk Mitigation Management Meeting No. 69 was held on April 2, 2015. The Risk Assessment Committee reviewed and discussed Risks that include Construction Risks with ratings above 6; Remaining Requirement and Design Risks; and, any New Risk Assessment and Mitigations identified to date.

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.

Safety Summary for Stations Systems Track Construction

Table 1300 summarizes the Month to March 2015 and Project to Date for the Stations, Systems and Track Construction contractor and subcontractors. Table 1300 shows that no recordable accidents took place in March.*



A bobcat operator sorts demolished material inside the former Ellis Street entrance to Powell Station.

Program Safety & Security - continued

Project Safety Record - Contract 1300

Through Month End -April 2015

SAFETY GOALS

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

JOB TO DATE	Tutor	Subs	Total Project	Rate*
OSHA Recordable Accidents	0	0	0	0.00
Job Transfer or Restricted Duty Cases	0	0	0	0.00
Lost Time Cases	0	0	0	0.00
Total Project Incidents	0	0	0	0.00
Man Hours Worked Through M/E April 2015	198,403	325,372	523,775	

YEAR TO DATE (Month ,Day, Year to Month, Day, Year)	Tutor	Subs	Total Project	Rate*
OSHA Recordable Accidents	0	0	0	0.00
Job Transfer or Restricted Duty Cases	0	0	0	0.00
Lost Time Cases	0	0	0	0.00
Total Project Incidents	0	0	0	0.00
Man Hours Worked Through M/E April 2015	62,633	69,154	131,787	

* 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

**This safety record provided herein are preliminary, and are subject to change upon the finalized safety record published during the following month.

Program Safety & Security - continued

Safety Summary for Tunnels Construction

Table 1252 below summarizes the Job to Date and Year to Date Tunneling Contractor's Safety Record based on field work reporting of incident per man hours worked. There were no recordable accidents this month.*

Project Safety Record - Contract 1252

Through Month End - APR 2015

SAFETY GOALS

OSHA Recordable Accidents, <3.8
Lost Time Cases, <1.3

JOB TO DATE	BIH	Subs	Total Project	Rate*
OSHA Recordable Accidents	6	4	10	2.39
Job Transfer or Restricted Duty Cases	7	0	7	1.68
Lost Time Cases	0	1	1	0.24
Total Project Incidents	13	5	18	4.31
Man Hours Worked Through M/E - APR 30, 2015	493,349	342,185	835,534	

YEAR TO DATE (Month ,Day, Year to Month, Day, Year)	BIH	Subs	Total Project	Rate*
OSHA Recordable Accidents	0	2	2	0.00
Job Transfer or Restricted Duty Cases	0	0	0	0.00
Lost Time Cases	0	1	0	0.00
Total Project Incidents	0	3	3	16.22
Man Hours Worked Through M/E - APR 30, 2015	21,693	15,294	36,987	

* 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

Technical Capacity

No Project positions are currently open or unfilled.



Workers remove former structural walls from the Ellis Street entrance to Powell Station, as part of efforts to reconstruct the entrance and connect with the new Union Square/Market Street Station.

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-2015		Mar-2015		Apr-2015	
	Planned	Actual	Planned	Actual	Planned	Actual
Project Management						
Program Management	7.00	7.43	7.10	7.00	7.10	6.70
Quality Assurance	2.25	2.60	1.80	2.30	1.80	2.30
Contract Administration	1.40	1.40	1.40	1.40	1.40	1.40
Community Outreach	5.50	5.50	5.50	5.50	5.50	5.50
Finance	1.90	1.90	2.00	2.00	2.00	2.00
Project Controls	6.60	5.23	5.80	6.10	5.80	6.10
Subtotal	24.65	24.06	23.60	24.30	23.60	24.00
Construction Management						
CM - CN 1252	7.23	8.85	4.00	4.00	4.00	2.00
CM - CN 1300	26.98	26.40	30.00	25.70	30.00	25.70
Design Support - CN 1252	0.50	0.50	0.90	0.55	0.90	0.55
Design Support - CN 1300	6.43	5.80	12.40	10.34	12.40	11.00
Subtotal	41.13	41.55	47.30	40.59	47.30	39.25
Start Up						
Start Up / Safety & Security	2.00	2.10	3.00	2.10	3.00	2.10
Subtotal	2.00	2.10	3.00	2.10	3.00	2.10
Total	67.77	67.71	73.90	66.99	73.90	65.35

Third-Party Agreements

In January 2015, the court issued a decision on the amount payable to the property for the single outstanding access license, for compensation grouting, at 19 Stockton Street, adjacent to the Union Square / Market Street Station. The City Attorney's Office is reviewing the decision and assessing its options for appeal.

Installation of instrumentation within the building is complete. Project staff continue to communicate with the property owner regarding upcoming compensation grouting installation work .

LRV Procurement

The SFMTA light rail vehicle procurement continues to schedule the 24 LRVs that will be part of the Central Subway start up to be ready for service testing and training by mid 2018 in order to begin use at the start of Central Subway service in December 2018.

The SFMTA Board authorized award of the contract on July 15, 2014 to Siemens for up to 260 cars, which includes a base contract of 175 cars for a total of \$648 million, with an option to acquire up to 85 more, bringing the overall total to 260 cars. On September 19, 2014 Mayor Edwin Lee approved the contract.



This bus stop was relocated to the corner of Jackson and Stockton. The former bus stop was located half a block south and had to be moved for station construction.

central **T** subway

Current Construction Activity



Chinatown



Union Square/Market Street (UMS)

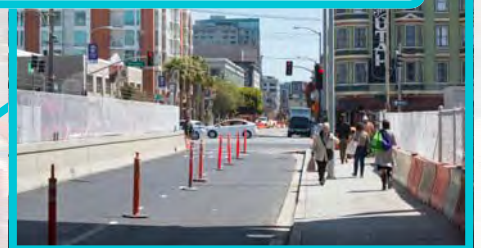


Yerba Buena/Moscone (YBM)



Tunnel Portal

Twin bore tunnels - completed.



4th St. Surface Track, Systems (STS)



— 8,500 feet of tunnel alignment completed June 2014.
— 2,000 feet of surface alignment to be completed.



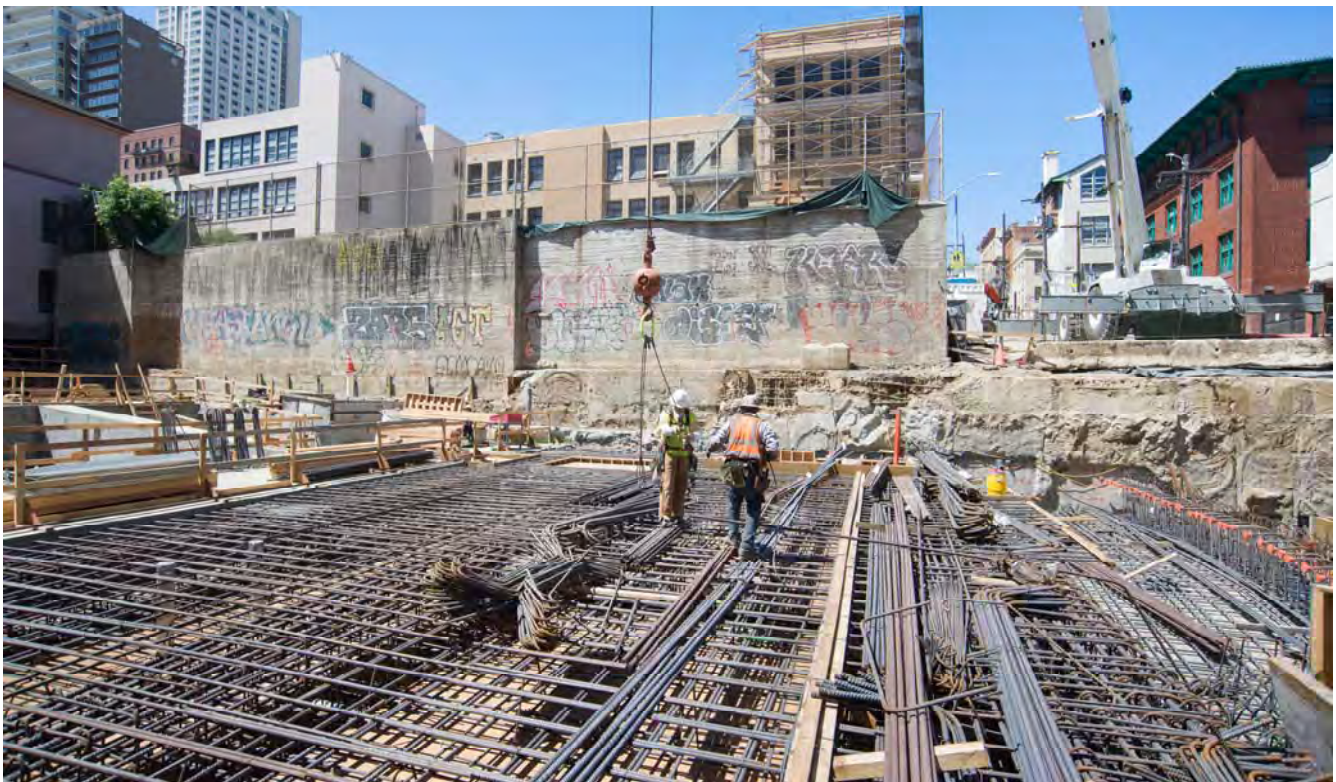
At the beginning of April, a temporary form slab can be seen being constructed.



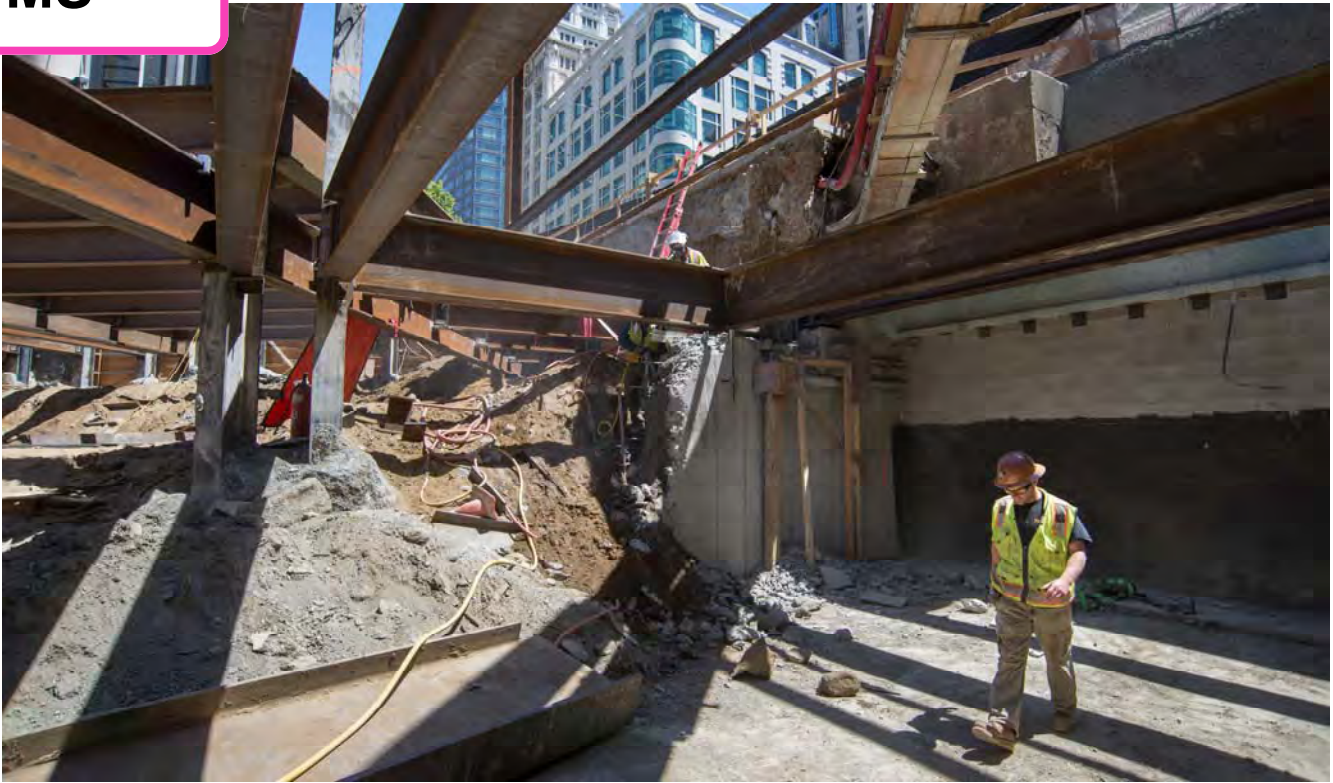
Toward the end of April, you can see varying stages of completion of the roof slab, with finished sections to the top of the photo, and initial stages of rebar laying at the bottom.



A worker gives hand signals to the crane operator to carefully lower rebar segments.



Workers standing atop a nearly-complete rebar cage in the middle of the future roof slab. This section will soon be filled with concrete.



Steel I-beams are now being installed to support the future roof structure of the south station concourse.



Excavation and internal structural elements will continue underneath the finished roof.



Work to construct the structural roof elements continues with live utilities suspended overhead. Eventually, the area above the roof will be backfilled and the roadway restored.



Light streams in from the access shaft on Stockton just north of Ellis. Ahead, the partially-excavated station concourse can be seen.



Now that the roof slab has been completed on the west side of 4th Street, utilities are being placed on top, backfilled, and a new concrete road slab will be built.



Workers install utility pipes and a valve. These pipes will carry water down Clementina Alley.

YBM - continued



Rebar cages can be seen being constructed for the portion of the roof slab on Clementina Alley. Once concrete is poured, utilities will be installed, and this area will be backfilled.



With the western portion of the roof slab complete, waterproofing material is installed.

Tunnel and Portal

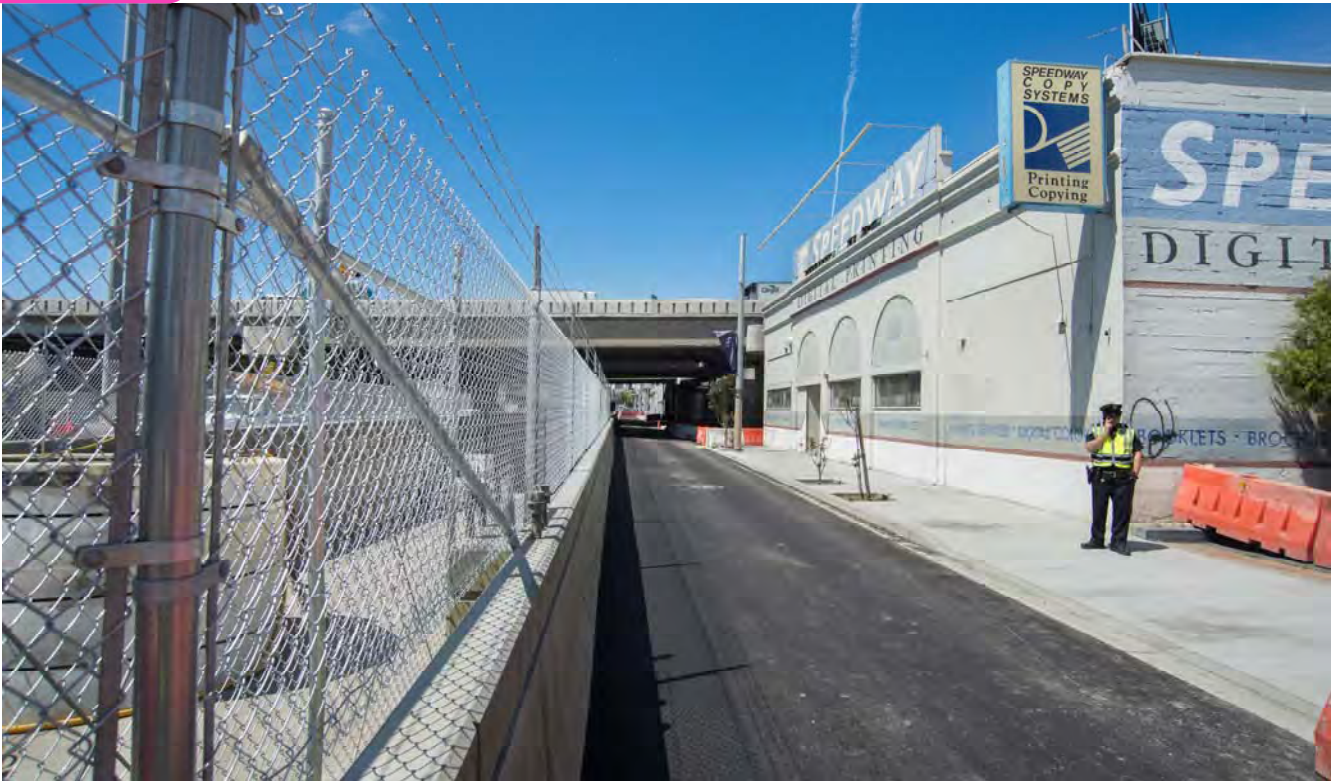


Workers install waterproofing near the bottom surface of the separating wall of the tunnel portal, while forms are constructed to pour the new curb and roadway.



Looking down the tunnel portal, all the major structural elements are complete and ready to be handed to the systems contractor.

Tunnel



A chain-link fence surrounds the tunnel portal for safety and security. On the east side, a single lane for traffic turning left onto Bryant has been restored.



On the west side of the tunnel portal, two "through" lanes have been restored for traffic traveling south on 4th Street. No turns are allowed at this intersection.

STS



After foundation piles for the future 4th and Brannan surface station platform were installed, a worker runs a steamroller over fresh asphalt during street restoration efforts.



An excavator waits to remove material from the century-old brick sewer being reconstructed with a new reinforced concrete roof, on 4th south of Brannan.

STS - continued



Workers install rebar and forms ahead of pouring concrete for the reconstructed 78-inch sewer just south of Brannan on 4th.



A mini excavator is used to lift pipe sections during utility work on 4th near Bluxome and Townsend.

Appendix A

DETAIL COST REPORTS

1. PROJECT COST

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

Total net incurred costs for the project are \$785.27 million, a \$12.90 million increase over last month. The cost to date figure reflects expenditures through FAMIS 786 Report (\$734.37 million) plus the utilities joint trench Form B Reimbursement payment (\$10.03 million), invoices currently being processed (\$25.41 million) and estimates of outstanding pay requests (\$15.46 million). This incurred amount equals 49.75% of the total project budget of \$1.578 billion.

The current funding level to date is \$1,029.79 million. This represents 65% of the total project budget.

CONTRACT	PP NO	PP PERIOD TO	PROG PYMT AMOUNT	CONTRACT	PP NO	PP PERIOD TO	PROG PYMT AMOUNT
CS155.1	52	3/31/2014	\$ 35,640.00	CS155.3*	59	3/30/2015	\$ 57,508.00
CS155.1	53	4/30/2014	\$ 20,527.00	CS155.3*	60	3/31/2015	\$ 70,302.00
CS155.1	54	5/31/2014	\$ 30,702.00	CS155.3*	61	4/30/2015	\$ 63,948.37
CS155.1	55	6/30/2014	\$ 21,712.00	Contract 1252	37	2/28/2015	\$ 1,768,919.34
CS155.1	56	7/31/2014	\$ 38,474.00	Contract 1252*	38	3/30/2015	\$ 1,317,271.54
CS155.1	57	8/31/2014	\$ 42,393.00	Contract 1252*	39	4/30//2015	\$ 1,602,154.48
CS155.1	58	9/30/2014	\$ 39,232.00	Contract 1300	14	2/28/2015	\$ 13,264,675.00
CS155.1	59	10/31/2014	\$ 36,256.00	Contract 1300*	15	3/31/2015	\$ 6,760,337.00
CS155.1	60	11/30/2014	\$ 22,204.00	Contract 1300*	16	4/1/2015	\$ 10,305,257.62
CS155.1	61	12/31/2014	\$ 19,820.00	CS149	71	12/31/2014	\$ 935,082.33
CS155.1*	62	1/31/2015	\$ 20,970.00	CS149*	72	1/31/2015	\$ 640,774.78
CS155.1*	63	2/28/2015	\$ 19,070.00	CS149*	73	2/28/2015	\$ 626,572.58
CS155.1*	64	3/31/2015	\$ 16,373.00	CS149*	74	3/31/2015	\$ 790,000.00
CS155.1*	65	4/30/2015	\$ 16,373.00	CS149*	75	4/30/2015	\$ 846,914.71
CS155.2*	59	1/31/2015	\$ 159,298.00	CS156.1	47	12/31/2014	\$ 49,941.87
CS155.2*	60	2/28/2015	\$ 124,730.00	CS156.1*	48	1/31/2015	\$ 80,000.00
CS155.2*	61	3/31/2015	\$ 150,943.00	CS156.1*	49	2/28/2015	\$ 80,000.00
CS155.2*	62	4/30/2015	\$ 150,943.00	CS156.1*	50	3/31/2015	\$ 80,000.00
CS155.3*	57	12/30/2014	\$ 51,670.00	CS156.1*	51	4/30/2015	\$ 80,000.00
CS155.3*	58	1/31/2015	\$ 36,919.00	other accruals*		4/30/2015	\$ 404,131.32

* Estimated Amount \$ 40,878,039.94

2. CONTINGENCY ALLOCATIONS AND USAGE

The current Total Project Contingency is **\$84.74 million**, which is a \$24.74 million favorable balance against the current Minimum Contingency level of \$60 million. The Contingency Drawdown Curve is shown in Report 7.3. Follows by Report 7.4 Contingency Management Trend Report with the Remaining Contingency after Approved Changes Deducted contingency items in column “i”.

In this reporting period, Contract 1252 Tunnel and Contract 1300 Stations had not processed any contract modification. Refer to Report 7.5 for approved contract modification and potential changes.

3. BUDGET TRANSFERS

In this reporting period, there was one Budget Transfers for decrease \$500,000 program unallocated contingency to set up CS-175 Bayland Soil Process Contract.

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 \$10.03 million.

TABLE A2: UTILITIES JOINT TRENCH FORM B DETAILS	[A] JAN 2014 BUDGET	[B] EXPENDED TO DATE	Associated Cost Account
1.3.491.07.900.01 - FORM B - CN1250 UTILITY REIMBURSEMENT	(2,275,419)	2,463,325	1.3.081.07.040.02 - 1UTL:SITWORK: UTILITIES & RELOC
1.3.491.08.900.01 - FORM B - CN1251 UTILITY REIMBURSEMENT	(7,618,412)	3,608,217	1.3.082.08.040.02 - 2UTL:SITWORK:UTILITIES&RELOCATE
1.3.491.02.900.01 - FORM B - CN1252 UTILITY REIMBURSEMENT	(254,050)	3,958,658	1.3.083.02.040.02 - TUNN:SITWORK:UTILITIES & RELOCATE
1.3.491.03.900.01 - FORM B - UMS: CN1300 UTILITY REIMBURSEMENT	(528,370)		
1.3.491.04.900.01 - FORM B - CTS: CN1300 UTILITY REIMBURSEMENT	(451,703)		
1.3.491.05.900.01 - FORM B - YBM: CN1300 UTILITY REIMBURSEMENT	(100,000)		
1.3.491.09.900.01 - FORM B - STS: CN1300 UTILITY REIMBURSEMENT	(1,000,000)		
TOTAL	(12,227,954)	10,030,200	

5. EARNED VALUE (EV) ANALYSIS

For March the Earned Value Analysis below reports the Planned Value, Earned Value, Percent Complete and resulting indexes:

April Earned Value

Overall Budgeted Cost:	\$ 1,578,300,000
Planned Value:	835,944,713
Earned Value:	772,893,775
Actual Cost:	785,278,346
Schedule Performance Index (SPI):	0.92
Cost Performance Index (CPI):	0.98
Percent Complete:	48.83%

Over all, the program is 48.83% complete, with SPI 0.92 and CPI 0.98. The Earned Value Cash Flow is shown in Report 7.2 below.

Earned Value Analysis and Definitions

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

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

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

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

6. FUNDING SUMMARY

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

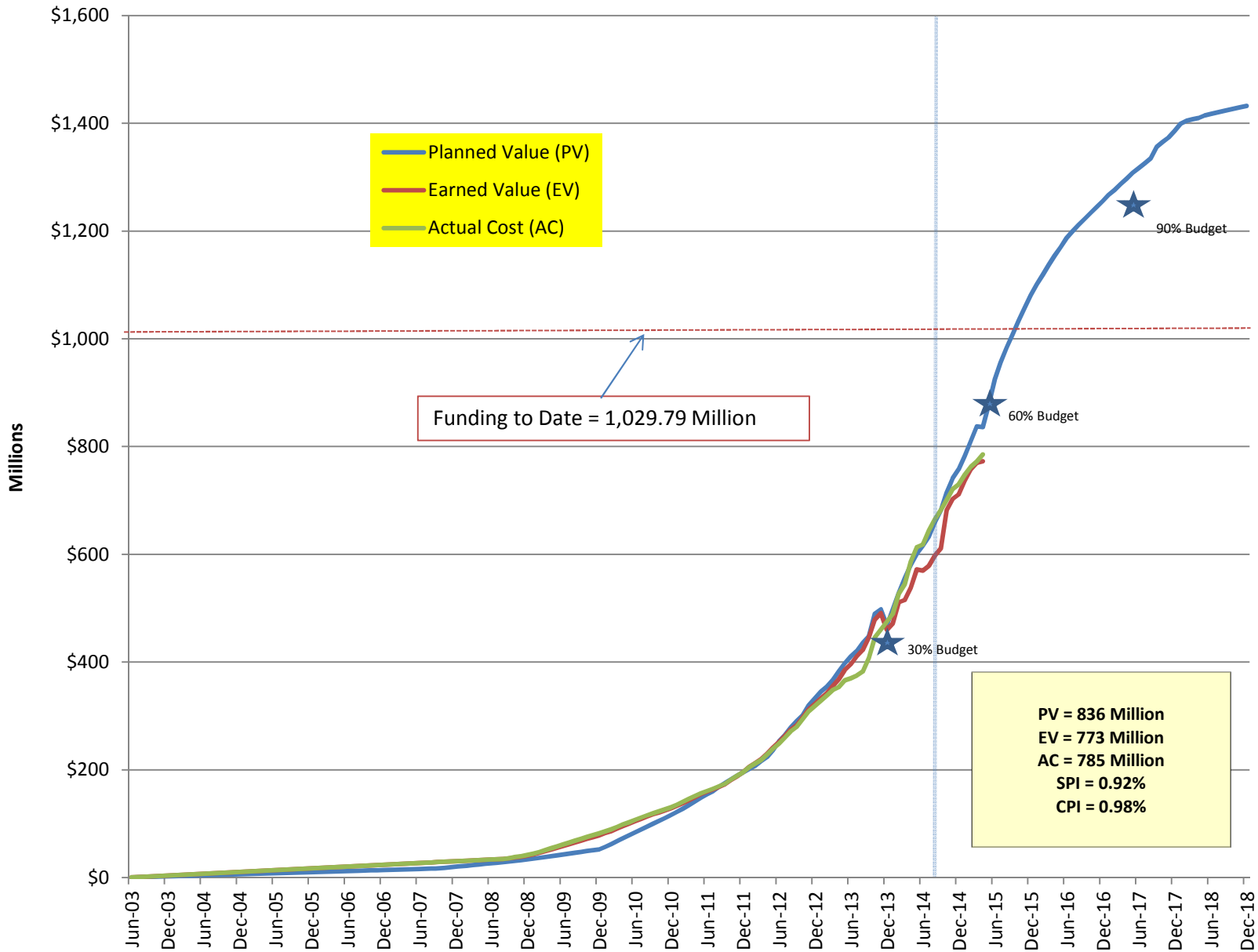
Funding Available Table		
	Funding	
	Committed Funding Sources	Total Awarded Funds to Date
Federal		
Sect. 5309-NS	\$942,200	\$469,196
CMAQ	\$41,025	\$41,025
Federal Subtotal	\$983,225	\$510,221
State		
TCRP	\$14,000	\$14,000
State RIP	\$88,000	\$12,498
Prop. 1B (I-Bond) PTIMSE	\$307,792	\$307,792
Prop. 1A (HSR-Bond)	\$61,308	\$61,308
State Subtotal	\$471,100	\$395,598
Local		
Prop. K	\$123,975	\$123,975
Local Subtotal	\$123,975	\$123,975
CPT 544 Total	\$1,578,300	\$1,029,794

7. LIST OF COST REPORTS

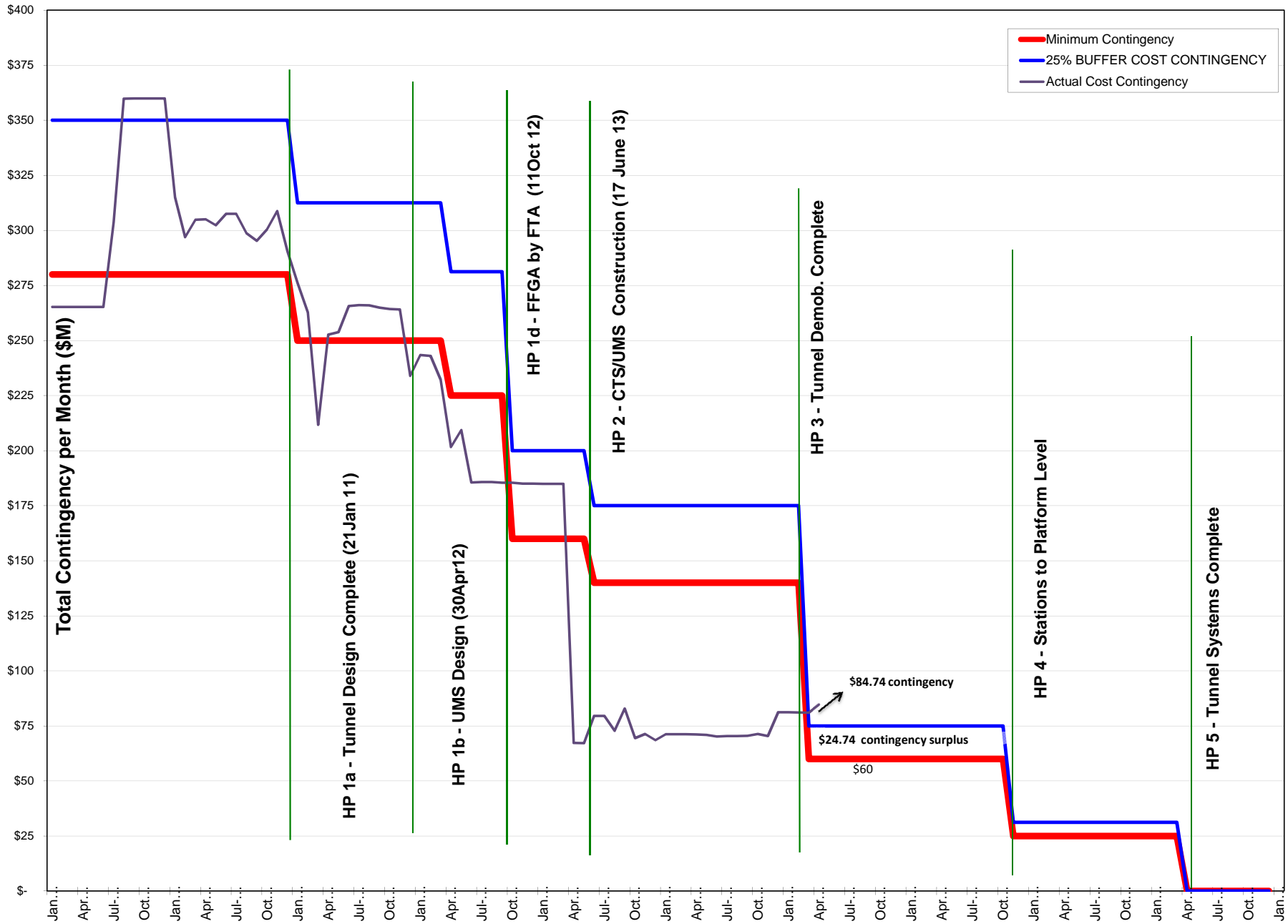
- 7.1 Program Project Budget
- 7.2 Earned Value Cash Flow
- 7.3 Contingency Drawdown Curve
- 7.4 Summary Contingency Management Trend Report
- 7.5 Detail Contingency Usage Report
- 7.6 Budget Revisions: Report sorted by Construction Packages & Soft Costs
- 7.7 Project Budget & Expenditure Report: Sorted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

A. Central Subway Project						
Project	Name	Amount	PM	Funding Source	Reporting	Cost Report Notes
1	CPT544 Central Subway Project	\$1,578,300,000	J. Funghi	62% Fed, 30% State, 8% Local	yes	1
Total:		\$1,578,300,000				
B. Related SFMTA Capital Improvement Projects						
Project	Name	Amount	PM	Funding Source	Reporting	
2	CPT690 TBM Retrieval Shaft Relocation	\$9,700,000	Funghi/Magary	MTA Operating Funds	no	2
3	CPT718 Chinatown Metro Plaza	\$6,980,000	J. Funghi	Transbay Redevelopment	no	3
4	CPT665 Central Subway Project - Goodwill	\$2,367,750	K. Magary	I-Bond Interest	no	4
5	CPT705 MOH - Broadway/Sansome	\$8,000,000	K. Magary	MTA Operating Funds	no	5
Total:		\$27,047,750				
C. Central Subway Project - Project Offset Credits						
	From	Amount	Index	Notes	Reporting	
1	2009-2016 Utility Co. - Form B Reimbursement	\$12,227,954	--	Construction contracts	yes	6
2	2017-2019 PG&E - Power Feed Reimbursement	\$7,624,540	--	Not yet bill PG&E	yes	7
3	6/26/2013 BART Elevator	\$90,000	68CPT544135B	Not yet rec'd BART Funds	yes	8
4	11/6/2013 Tutor Perini - CAD Files	\$2,500	68CPT5441236	Deposit to Design Index	yes	9
5	1/27/2014 SFPUC - Sewer Main	\$2,925,296	68W251	Certified in Contract 1300	yes	10
6	9/27/2014 SFPUC - 24" Water Main	\$328,857	68CPT544135A	Contract 1252 CMod #41	yes	11
7	8/27/2014 SFMTA Traffic Effectiveness Project funded	\$694,651	--	Contract 1252 CMod #40	yes	12
8	3/27/2015 SFPUC - 24" Water Main Additional Work	\$112,102	68W409	Contract 1252 CMod #48	yes	13
Total:		\$24,005,900				

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 (Exclude CN 1250 & CN1251)	CONTINGENCY ADJUSTMENT TRANSFERS	REVISED AUTHORIZED CONTINGENCY (Exclude CN1250 & CN1251)	REMAINING CONTINGENCY AFTER APPROVED CHANGES DEDUCTED [h - b]	ORIGINAL CONTRACT VALUE + REVISED AUTHORIZED CONTINGENCY [a + h]	BUDGET - ESTIMATE AT COMPLETE [j - e]		
	a	b	c [a + b]	d	e [c + d]	f	g	h	i	j	k		
SCC 10-50 CONSTRUCTION CONTRACT PACKAGES													
1250	UTILITY RELOCATION PACKAGE #1	9,273,939	2,694,211	11,968,150		11,968,150	1,953,377	740,834	2,694,211		11,968,150	14	
	Contract 1250 Department of Technology	166,756		166,756		166,756					166,756		
1251	UTILITY RELOCATION PACKAGE #2	16,832,550	3,962,032	20,794,582		20,794,582	5,367,297	(1,405,265)	3,962,032		20,794,582	15	
	Contract 1251 Department of Technology	75,615		75,615		75,615					75,615		
1252	GUIDEWAY TUNNEL	233,584,015	1,421,807	235,005,822	1,200	235,007,022	23,658,464	(6,173,511)	17,484,953	16,063,145	251,068,968	16,061,945	16
1300	STATIONS	839,676,400	(1,432,743)	838,243,657	8,975,785	847,219,442	20,000,000		20,000,000	21,432,743	859,676,400	12,456,958	17
	1253 UNION SQUARE/MARKET ST STATION [UMS]	294,030,590	90,000	294,120,590	4,858,199	298,978,789	5,000,000		5,000,000	4,910,000	299,030,590	51,801	
	1254 CHINA TOWN STATION [CTS]	247,567,810	230,956	247,798,766	5,850,265	253,649,031	5,000,000		5,000,000	4,769,044	252,567,810	(1,081,221)	
	1255 YERBA BUENA/ MOSCONE STATION [YBM]	158,089,000	(1,833,869)	156,255,131	1,796,650	158,051,781	5,000,000		5,000,000	6,833,869	163,089,000	5,037,219	
	1256 SURFACE TRACKWORK & SYSTEMS [STS]	139,989,000	80,170	140,069,170	(3,529,330)	136,539,840	5,000,000		5,000,000	4,919,830	144,989,000	8,449,160	
OTHER		30,733,501		30,733,501		30,733,501	1,160,000		1,160,000	1,160,000	31,893,501	1,160,000	
	SCC 10 - 50 Construction Sub-total	1,130,342,776	6,645,307	1,136,988,083	8,976,985	1,145,965,067	44,818,464	(6,173,511)	38,644,953	38,655,888	1,175,643,971	29,678,904	
SCC 60 - 80 SOFT COSTS PACKAGES													
60	ROW, LAND, EXISTING IMPROVEMENTS	36,511,799	(4,265,478)	32,246,321		32,246,321	1,000,000	4,265,478	1,000,000	5,265,478	37,511,799	5,265,478	18
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	19
80	PROFESSIONAL SERVICES	310,518,041		310,518,041		310,518,041	18,221,079		18,221,079	18,221,079	328,739,120	18,221,079	
	SCC 60 - 80 Construction Sub-total	371,138,552		356,073,362		356,073,362	21,498,020	15,065,190	32,297,732	36,563,210	392,636,572	36,563,210	
SCC 90	UNALLOCATED CONTINGENCY						3,845,945	6,173,511	10,019,456	9,519,456	10,019,456	10,019,456	20
TOTAL		1,501,481,328	6,645,307	1,493,061,445	8,976,985	1,502,038,430	70,162,429	15,065,190	80,962,141	84,738,554	1,578,299,999	76,261,570	
											Total Project Budget	1,578,300,000	21
											Estimate At Completion	1,502,038,430	22
											Variance	76,261,570	23

Note #15 - Adjusted Contract 1252 Guideway Tunnel contingency "column g" to reflect construction contract modifications #20, #40, #41 and \$48 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 \$235,005,822.23
Revised Substantial Completion 4/15/2015

Contract Modifications			Amount	
No.	Description	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	\$5,150.00	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

Contract Modification/Trend Log - Contract 1252 Tunnel

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

Revised NTE Amount \$235,005,822.23
Revised Substantial Completion 4/15/2015

Contract Modifications			Amount	
No.	Description	COR/PCC No.	CMod	Contract NTE
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
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	Contract Milestone Changes	NA	\$0.00	\$235,005,822.23
Sub Total:			\$1,421,807.23	

Pending Contract Modifications		COR/PCC No.	Estimated	
	Description		Amount	Time
A	North Beach OCS Pole Foundations, Street Lighting	Cmod # TBD	-	0
B	North Beach Sewer Work	Cmod # TBD	-	0

Contract Modification/Trend Log - Contract 1252 Tunnel

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

Revised NTE Amount \$235,005,822.23
Revised Substantial Completion 4/15/2015

Contract Modifications			Amount	
No.	Description	COR/PCC No.	CMod	Contract NTE
I	Other Pending Contract Modifications	Cmod # TBD	\$1,200.00	
Sub Total:			\$1,200.00	

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	\$839,676,400	\$838,243,657
Substantial Completion	2/10/2018	2/10/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
Potential Changes	\$4,858,199	\$5,850,265	\$1,796,650	(\$3,529,330)	24
Forecasted - Trends	\$2,188,644	\$5,584,043	\$658,282	\$65,000	
Negotiation					
Change of date range to receive art	\$0				
CTS Sewer Line Demo at Washing		\$57,707			
DEL of duct bank on Stockton to Sac		(\$84,018)			
Grade 50 Steel inLieu of A913 Grad70	\$595,197				
Modification to UMS Roof Composite	\$14,336				
UMS -Remove AWSS Hydrant at OFarrel	\$8,421				
STS-FACO #20 Add'l Soil Testing Req				\$5,000	
CTS-FACO #5 Unidentif 3" Metal Pipe		\$350			
CTS-FACO #4 Joint Trench Unid. Cond		\$25,000			
CTS-FACO #2 Connecting (E) Ductbank		\$10,000			
UMS BART Entry Hazmat Abatement	\$33,600				
CTS- AWSS Wk PGE relocation schedul		\$60,309			
Additional AT&T Manhole, Pullboxes,				\$225,208	
YBM-FACO #28 concrete obst 20" cut			\$10,000		
STS Traffic Signal and SL Changes				\$298,307	
PCC 16 STS-PG&E 6" Gas Alignment				\$72,010	
STS Comm and Elec Cabinets Relocati				\$67,221	
CTS-PCC#17 FH at Jade Galore		\$106,350			
CTS-Plaza Surface Level Struct Mods		\$15,701			
STS - OCS Pole Changes				\$12,706	
YBM COR 20 (E) conflicts with AWSS			\$12,506		
CTS-FACO#39- Soil Testing cmply OAB		\$5,000			
STS-FACO #37 30" Force Main Removal				\$60,000	
CTS-FACO #44 (E) Utl Cnflct w/ AWSS		\$25,211			
YBM-FACO #36 Buried sheet pile P-7			\$7,500		
YBM-FACO #35 Buried objects in P-86			\$24,648		
UMS FACO #31 NDSC Incomplete PGE DB	\$32,980				
STS-FACO #26 Fire Hyd NE 4th&Bryant				\$20,000	
CTS-FACO #27 AWSS vs PGE Vault #728		\$18,000			
UMS-FACO #25 OCS Pole@ Market/Ellis	\$2,000				
YBM-FACO #21 Buried timber piles			\$15,000		
YBM-FACO #18 Add analytical tests			\$5,000		
UMS-FACO #19 Street Light at Stock.	\$4,000				
YBM-FACO #14 Abandoned sewer not			\$10,000		

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	\$839,676,400	\$838,243,657
Substantial Completion	2/10/2018	2/10/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
YBM-FACO #12 Buried concrete wall			\$20,000		
UMS-FACO #50 UMS Parking Garage	\$20,000				
STS-FACO #47 Sewer Related Work Pt2				\$25,000	
UMS FACO #34 Becho Obstruct J Piles	\$15,000				
UMS FACO #45 Blocked Stubs PG&E	\$7,500				
UMS FACO #38 Pile H3 & H4 Piles	\$15,000				
STS-FACO #41 Groundwater Lead Filtr				\$5,000	
UMS-FACO #30 NDSC Inadequate CDF	\$50,000				
STS Traction Power Cable Downsizing				(\$117)	
UMS Transfer Instru BART Facilities	\$30,000				
CTS-PCC40 Plaza Surface Slab Pntrtn		\$5,525			
YBM PCC 42 10-in culvert on Folsom			\$59,087		
UMS MRY Duct Bank-East Conflict	\$10,000				
YBM FACO 54 Remove rigging straps			\$7,500		
YBM-FACO #24 Culvert NW corn Folsom			\$10,000		
UMS FACO #53 NDSC Transite Pipe	\$20,000				
UMS FACO #52 NDSC Transite Pipe	\$20,000				
STS PCC #020 Deletion of ARS				(\$4,689,000)	
STS - PCC#28 Portal Dowels				(\$1,753)	
UMS DSC Mass of Conc Stocktn 137+15	\$7,500				
YBM COR 78 Change POC by SFWD			\$7,433		
UMS DSC Tanks in Stockton N of Gear	\$122,256				
UMS - PCC #039 (12" WL Relocate)	\$225,468				
YBM-FACO 51 CN1252 North Headwall			\$50,000		
YBM Side sewer lateral utility conf			\$15,000		
Proposed Contract Change (PCC)					
UMS - Geoprobe Credit	(\$30,320)				
UMS - Relocation of TS Cabinet	\$23,275				
YBM Delete Instrument & Monitoring			(\$1)		
STS - Tunnel Lowering				\$100,000	
CTS - Stairs 5, 6, 7 Mods		\$0			
STS - Additional AT&T DB at 4th				\$73,418	
UMS - Escalator Barricade	(\$122,511)				
UMS - Concrete Wale Support	\$25,930				
UMS - Union Sq. Garage Underpinning	\$100,000				
UMS - USG HVAC Trench Modifications	\$0				
YBM - Delete Post-Grout of TB-2			(\$10,000)		
CTS - Deletion of Tree Planting		(\$24,002)			

Contract Modification/Trend Log - Contract 1300 Stations

Awarded NTE Amount	\$839,676,400	\$838,243,657
Substantial Completion	2/10/2018	2/10/2018

	UMS	CTS	YBM	STS	COST REPORT NOTES
YBM_CTS End of Platform Gate Revisi			\$100,000		
CTS - CMU Wall Bracing		\$0			
YBM PCC 41 Install #7 Box Clementin			\$29,000		
UMS MRY Duct Bank-East Conflict	\$25,000				
UMS - N. Ent. Art Glass and Glazing	\$20,000				
CTS - Removal of Bus Bulb		\$30,000			
CTS Delete PGE Work at Vault 732		\$0			
Pipe Protection for in-slab piping	\$20,000				
UMS Install Floor Drain	\$20,000				
YBM Add PG&E duct east side Fourth			\$100,000		
UMS North Structural Modifications	\$200,000				
UMS Remove Fire Hose Valve	\$20,000				
UMS MRY Duct Bank-West	\$25,000				
Change Order Request (COR)					
UMS Tangent Pile Work Delays	\$968,330				
UMS - Fire Hydrant at O'Farrell	\$92,978				
STS - Additn manholes for 78" sewer				\$27,204	
STS COR 17 Changes to Sewer Structu				\$20,000	
YBM-FACO #22 potential contam soil			\$11,720		
STS- AT&T Conduit Changes				\$22,290	
STS - 12" AWSS Incorrectly Shown				\$24,496	
STS COR 74 AWSS Offset/Sewer Demo				\$38,680	
YBM - CN 1252 Concrete Overpour P-34			\$335,809		
YBM NDSC transite pipe water instal			\$20,185		
YBM Underground storage tank Folsom			\$183,825		
Change Order - Pending					
CTS Utility Conflict at WD Tie-In		\$15,089			
YBM AWSS conflict with PGE vault			\$40,349		
YBM COR 15 AWSS hydrant lateral			\$41,079		
YBM COR 16 Thick concrete street			\$4,785		
YBM COR 18 AWSS conflict with PG&E			\$14,093		
UMS-FACO #32 8" Waterline Conf NDSC	\$48,615				
YBM COR 25 WM conflict with AWSS			\$13,850		
Approved	\$90,000	\$230,956	(\$1,833,869)	\$80,170	
Contract Modification					
CMod #1 BART Elevator Option 1 @ Pow	\$90,000				
CMod #3 CTS Work Safely Ard Power Po		\$25,956			
CMod #5 YBM Deletion of Comp Groutin			(\$1,833,869)		
CMod #6 CTS Plaza Constr Supt Servi		\$75,000			
CMod#7 STS FACOs 016, 017 &COR 009				\$80,170	
CMod #4 CTS-Force Account Change Or		\$130,000			
Grand Total	\$4,948,199	\$6,081,221	(\$37,219)	(\$3,449,160)	

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

Report Period: Apr 2015

		Mar 2015			Apr 2015				
Group by Contract & SCC	CATEGORY ITEM	Mar 2015 Base	Mar 2015 Allocated Contingency	Mar 2015 Base + Allocated Contingency (YOE)	Apr 2015 Base	Apr 2015 Allocated Contingency	Apr 2015 Base + Allocated Contingency (YOE)	BUDGET TRANSFERS [Apr 2015] vs. [Mar 2015]	Cost Report Notes
10-50	CONSTRUCTION CONTRACT PACKAGES	1,136,988,083	38,655,888	1,175,643,971	1,137,488,083	38,655,888	1,176,143,971	500,000	
1250	UTILITY RELOCATION PACKAGE #1	12,134,906		12,134,906	12,134,906		12,134,906	0	
	Contract 1250 Form B Credit	(2,275,419)		(2,275,419)	(2,275,419)		(2,275,419)	0	
1251	UTILITY RELOCATION PACKAGE #2	20,870,197		20,870,197	20,870,197		20,870,197	0	
	Contract 1251 Form B Credit	(7,618,412)		(7,618,412)	(7,618,412)		(7,618,412)	0	
1252	GUIDEWAY TUNNEL	235,005,822	16,063,145	251,068,968	235,005,822	16,063,145	251,068,968	0	25
	Contract 1252 Form B Credit	(254,050)		(254,050)	(254,050)		(254,050)	0	
1300	CN1300 STATIONS TOTAL	838,243,657	21,432,743	859,676,400	838,243,657	21,432,743	859,676,400	0	
1253: UMS	UNION SQUARE/MARKET STREET STATION [UMS]	294,120,590	4,910,000	299,030,590	294,120,590	4,910,000	299,030,590	0	
	UMS 1253 Form B Credit	(528,370)		(528,370)	(528,370)		(528,370)	0	
1254: CTS	CHINA TOWN STATION [CTS]	247,798,766	4,769,044	252,567,810	247,798,766	4,769,044	252,567,810	0	
	CTS 1254 Form B Credit	(451,703)		(451,703)	(451,703)		(451,703)	0	
1255: YBM	YERBA BUENA/ MOSCONE STATION [YBM]	156,255,131	6,833,869	163,089,000	156,255,131	6,833,869	163,089,000	0	
	YBM 1255 Form B Credit	(100,000)		(100,000)	(100,000)		(100,000)	0	
1256: STS	SURFACE TRACKWORK & SYSTEMS [STS]	140,069,170	4,919,830	144,989,000	140,069,170	4,919,830	144,989,000	0	
	STS 1256 SFPUC SEWER MAIN CREDIT	(2,925,296)		(2,925,296)	(2,925,296)		(2,925,296)	0	
	STS 1256 Form B Credit	(1,000,000)		(1,000,000)	(1,000,000)		(1,000,000)	0	
OTHER	OTHER CONSTRUCTION TOTAL	45,886,751	1,160,000	47,046,751	46,386,751	1,160,000	47,546,751	500,000	
40.06	PUBLIC ART PROGRAM	8,175,555	1,160,000	9,335,555	8,175,555	1,160,000	9,335,555	0	
40.02	MISC. CONSTR CONTRCT WK (TRACTION POWER FOR 1251)	258,202		258,202	258,202		258,202	0	
40.01	CONTRACT 1300 SOIL PROCESS	0		0	500,000	0	500,000	500,000	26
50.01	TEMPORARY LICENSE AGREEMENT (ATCS CENTRAL CONTROL)	487,972		487,972	487,972		487,972	0	
50.06	MTA FARE COLLECTION EQUIPMENT	5,400,000		5,400,000	5,400,000		5,400,000	0	
50.06	BART FARE COLLECTION EQUIPMENT	700,000		700,000	700,000		700,000	0	
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	

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

Report Period: Apr 2015

Group by Contract & SCC	CATEGORY ITEM	Mar 2015			Apr 2015			BUDGET TRANSFERS [Apr 2015] vs. [Mar 2015]	Cost Report Notes
		Mar 2015 Base	Mar 2015 Allocated Contingency	Mar 2015 Base + Allocated Contingency (YOE)	Apr 2015 Base	Apr 2015 Allocated Contingency	Apr 2015 Base + Allocated Contingency (YOE)		
40.02 40.08	PUBLIC AGENCIES UTILITY COORDINATION	3,713,215		3,713,215	3,713,215		3,713,215	0	
40.02	DEPARTMENT OF PARKING AND TRAFFIC (DPT)	1,200,000		1,200,000	1,200,000		1,200,000	0	
50.03	UNION SQUARE/ MARKET STREET STATION POWER FEED	2,959,826		2,959,826	2,959,826		2,959,826	0	
50.03	UNION SQUARE/ MARKET STREET STATIONS PERMANENT POWER	(2,350,000)		(2,350,000)	(2,350,000)		(2,350,000)	0	
50.03	CHINATOWN STATION POWER FEED	2,959,826		2,959,826	2,959,826		2,959,826	0	
50.03	CHINATOWN STATION PERMANENT POWER	(2,350,000)		(2,350,000)	(2,350,000)		(2,350,000)	0	
50.03	YERBA BUENA/ MOSCONE STATION [YBM] POWER FEED	3,125,222		3,125,222	3,125,222		3,125,222	0	
50.03	YERBA BUENA/ MOSCONE STATION [YBM] PERMANENT POWER	(2,368,540)		(2,368,540)	(2,368,540)		(2,368,540)	0	
50.03	SURFACE STATION POWER FEED	11,839		11,839	11,839		11,839	0	
50.04	COMMUNICATION CONNECTION COSTS	5,757,629		5,757,629	5,757,629		5,757,629	0	
60	ROW, LAND, EXISTING IMPROVEMENTS	36,511,799	1,000,000	37,511,799	32,246,321	5,265,478	37,511,799	0	
60.01	PURCHASE OR LEASE OF REAL ESTATE	34,331,288	1,000,000	35,331,288	30,065,810	5,265,478	35,331,288	0	27
60.02	RELOCATION OF EXISTING HOUSEHOLDS	2,180,511		2,180,511	2,180,511		2,180,511	0	
70	VEHICLES	13,309,000	13,076,653	26,385,653	13,309,000	13,076,653	26,385,653	0	
70.01	LIGHT RAIL	13,309,000	13,076,653	26,385,653	13,309,000	13,076,653	26,385,653	0	28
70.07	SPARE PARTS								
80	PROFESSIONAL SERVICES	310,518,041	18,221,079	328,739,120	310,518,041	18,221,079	328,739,120	0	
80.01	PRELIMINARY ENGINEERING	46,202,674		46,202,674	46,202,674		46,202,674	0	
80.02 80.06	FINAL DESIGN	61,322,751		61,322,751	61,322,751		61,322,751	0	

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

Report Period: Apr 2015

Group by Contract & SCC	CATEGORY ITEM	Mar 2015			Apr 2015			BUDGET TRANSFERS [Apr 2015] vs. [Mar 2015]	Cost Report Notes
		Mar 2015 Base	Mar 2015 Allocated Contingency	Mar 2015 Base + Allocated Contingency (YOE)	Apr 2015 Base	Apr 2015 Allocated Contingency	Apr 2015 Base + Allocated Contingency (YOE)		
80.03	PROJECT MANAGEMENT FOR DESIGN & CONSTRUCTION	89,042,634	13,905,845	102,948,479	89,042,634	13,905,845	102,948,479	0	
80.04	CONSTRUCTION ADMINISTRATION & MANAGEMENT	91,016,791	2,956,812	93,973,603	91,016,791	2,956,812	93,973,603	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	8,258,184		8,258,184	8,258,184		8,258,184	0	
80.07	SURVEYS, TESTING, INVESTIGATION. INSPECTION	883,100		883,100	883,100		883,100	0	
80.08	START-UP	6,991,907	1,358,422	8,350,329	6,991,907	1,358,422	8,350,329	0	
	ALL SCC CATEGORIES 10 TO 80	1,497,326,923	70,953,620	1,568,280,543	1,493,561,445	75,219,098	1,568,780,543	500,000	
90	UNALLOCATED CONTINGENCIES			10,019,459			9,519,459	(500,000)	29
	TOTAL PROJECT COST 10 TO 100			1,578,300,002			1,578,300,002		
	TOTAL CONTINGENCY			80,973,079			84,738,557		
	CONTINGENCY MINIMUM			140,000,000			60,000,000		
	BELOW OR ABOVE MINIMUM			(59,026,921)			24,738,557		

COST STATUS BY CATEGORY	SCC CODES	BUDGET Mar 2015	BUDGET TRANSFERS	BUDGET Apr 2015	Apr 2015 CTD	Apr 2015 EAC
CONSTRUCTION	SCC 010 - 050	1,175,643,972	0	1,176,143,972	543,704,021	1,150,063,094.43
REAL ESTATE	SCC 060	37,511,799	0	37,511,799	29,799,814	32,246,321.00
VEHICLES	SCC 070	26,385,653	0	26,385,653	2,146,905	13,309,000.00
PRELIM ENGINEERING	SCC 080.01	46,202,674	0	46,202,674	46,202,675	46,202,674.00
FINAL DESIGN	SCC 080.02	61,318,331	0	61,318,331	61,199,308	61,322,751.12
PM FOR DESIGN & CONSTRUCTION	SCC 080.03 - 080.04	196,922,082	0	196,922,082	91,950,417	180,059,425.14
OTHER PROF SRVCS	SCC 080.05 - 080.08	24,296,033	0	24,296,033	10,275,206	22,933,191.00
UNALLOC CONTINGENCY	SCC 090	10,019,456	(500,000)	9,519,456		
Grand Total		1,578,300,000	(500,000)	1,578,300,000	785,278,346	1,506,136,457

SCC DESCRIPTION	Apr 2015 BUDGET	Apr 2015 CTD
010 - GUIDEWAY & TRACK ELEMENTS	299,528,778	172,524,621
020 - STATIONS, STOPS, TERMINALS, INTERMODAL	575,626,655	194,650,199
040 - SITEWORK & SPECIAL CONDITIONS	222,442,096	168,896,898
050 - SYSTEMS	90,774,397	7,632,304
060 - ROW, LAND, EXISTING IMPROVEMENTS	37,511,799	29,799,814
070 - VEHICLES (number)	26,385,653	2,146,905
080 - PROFESSIONAL SERVICES (applies to Cats. 10-50)	328,739,120	209,627,606
000 - FORM B REIMBURSEMENTS	(12,227,954)	0
090 - UNALLOCATED CONTINGENCY	9,519,456	
Grand Total	1,578,300,000	785,278,346

SCC DESCRIPTION	Apr 2015 BUDGET	Apr 2015 CTD
010.06-Guideway: Underground cut & cover	70,654,862	61,708,447
010.07-Guideway: Underground tunnel	209,100,916	109,182,617
010.09-Track: Direct fixation	10,046,180	316,104
010.10-Track: Embedded	4,357,310	1,148,501
010.12-Track: Special (switches, turnouts)	5,369,510	168,952
020.01-At-grade station, stop, shelter, mall, terminal, platform	14,041,330	287,009
020.03-Underground station, stop, shelter, mall, terminal, platform	539,121,325	181,798,890
020.07-Elevators, escalators	22,464,000	12,564,300
040.01-Demolition, Clearing, Earthwork	9,815,654	8,218,474
040.02-Site Utilities, Utility Relocation	66,084,838	55,319,827
040.03-Haz. mat'l, contam'd soil removal/mitigation, ground water treatments	4,566,966	3,910,463
040.04-Environmental mitigation, e.g. wetlands, historic/archeologic, parks	600,000	62,588
040.05-Site structures including retaining walls, sound walls	2,706,431	2,706,431
040.06-Pedestrian / bike access and accommodation, landscaping	10,224,872	1,070,997
040.07-Automobile, bus, van accessways including roads, parking lots	7,200,862	3,741,925
040.08-Temporary Facilities and other indirect costs during construction	121,242,473	93,866,192
050.01-Train control and signals	30,623,972	2,960,567
050.02-Traffic signals and crossing protection	1,669,999	392,115
050.03-Traction power supply: substations	22,117,173	3,314,855
050.04-Traction power distribution: catenary and third rail	10,737,000	383,661
050.05-Communications	16,411,000	485,599
050.06-Fare collection system and equipment	6,498,253	10,016
050.07-Central Control	2,717,000	85,491
060.01-Purchase or lease of real estate	35,331,288	27,912,333
060.02-Relocation of existing households and businesses	2,180,511	1,887,481
070.01-Light Rail	26,385,653	2,146,905
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	102,948,479	57,427,714
080.04-Construction Administration & Management	93,973,603	34,522,704

SCC DESCRIPTION	Apr 2015 BUDGET	Apr 2015 CTD
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.	8,262,604	3,896,750
080.07-Surveys, Testing, Investigation, Inspection	883,100	12,097
080.08-Start up	8,350,329	26,164
090.00-Unallocated Contingency	9,519,456	
00.01-FORM B REIMBURSEMENTS (No SCC Code)	(12,227,954)	0
Grand Total	1,578,300,000	785,278,346

[A] Cost Account Description	BUDGET	ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
	[B] Apr 2015 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total		
TOTAL PRELIMINARY ENGINEERING	46,542,061	46,542,061	0	0	46,542,061	0	30
11 - SFMTA PROJECT MANAGEMENT	8,828,359	8,253,957	0	0	8,253,957	574,403	31
12 - SFMTA ENGINEERING SERVICES	11,425,594	11,425,594	0	0	11,425,594	0	32
16 - DEPARTMENT OF PARKING AND TRAFFIC (DPT)	935,451	802,883	0	0	802,883	132,568	
21 - ARTS COMMISSION	1,500,570	1,500,570	0	0	1,500,570	1	33
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	308,540	315,616	0	0	315,616	(7,076)	
32 - DPW - IDC ENGINEERING (HYDRAULIC)	3,322,887	3,336,432	0	0	3,336,432	(13,545)	
34 - DPW - IDC CONSTRUCTION (CAPITAL)	17,462	17,462	0	0	17,462	0	
36 - DPW - BSM INFRASTRUCTURE (MAPPING)	76,549	76,549	0	0	76,549	0	
39 - DPW - PCS SITE ASSESSMENT & REMEDIATION (SAR)	13,993	13,993	0	0	13,993	0	
51 - 821 HOWARD STREET	1,005,653	1,005,653	0	0	1,005,653	0	
55 - 651 BRANNAN	2,294,910	2,294,910	0	0	2,294,910	0	34
63 - CENTRAL SUBWAY PARTNERSHIP - AECOM-EPC JV CONTRACT 149	26,793,234	26,793,234	0	0	26,793,234	0	35
66 - ANIL VERMA	395,204	395,204	0	0	395,204	0	36
67 - HILL INTERNATIONAL CONTRACT 156	6,716,294	6,716,294	0	0	6,716,294	0	
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	37
72 - STATIONS - CONTRACT # CONTRACT 155-2	26,220,609	26,220,609	0	0	26,220,609	0	38
73 - SYSTEMS/INTEGRATION - CONTRACT 155-3	11,432,312	11,432,312	0	0	11,432,312	(0)	39
331 - BAY AREA RAPID TRANSIT (BART)	146,427	146,427	0	0	146,427	0	
332 - SAN FRANCISCO COUNTY TRANSPORTATION AUTHORITY (SFCTA)	0	0	0	0	0	0	
TOTAL FINAL DESIGN	115,075,987	113,929,833	0	0	113,929,833	1,146,155	

[A] Cost Account Description	BUDGET	ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
	[B] Apr 2015 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total		
11 - SFMTA PROJECT MANAGEMENT	15,589,933	3,852,558	220,714	204,726	4,057,284	0	
1.3.011.01.080.03 - CM:SFMTA LABOR-PROJECT MANAGEMENT	15,589,933	3,852,558	220,714	204,726	4,057,284		
12 - SFMTA ENGINEERING SERVICES	905,264	1,254,028	90,150	101,348	1,355,377	568,205	
1.3.012.02.080.04 - CM: SFMTA LABOR-ENGINEERING CONTRACT 1252	123,582	48,437	6,049	8,888	57,325	66,257	
1.3.012.06.080.04 - CM: SFMTA LABOR-ENGINEERING CONTRACT 1300	1,800,000	1,205,592	84,102	92,460	1,298,052	501,948	
13 - SFMTA CONSTRUCTION MANAGEMENT	44,075,375	6,481,155	302,659	296,671	6,777,825	36,279,232	
1.3.013.01.080.04 - CM:SFMTA LABOR-CONSTR. MANAGEM	43,057,057	6,481,155	302,659	296,671	6,777,825	36,279,232	
16 - DEPARTMENT OF PARKING AND TRAFFIC (DPT)	3,588,074	1,162,829	21,249	10,388	1,179,473	2,418,360	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT UMS	299,600	50,776	12,916	4,389	55,165	244,435	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT CTS	274,900	14,267	2,614	1,513	15,780	259,120	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT YBM	238,400	61,459	2,564	1,513	62,972	175,428	
1.3.016.01.080.04 - DPT CONTRACT 1300 SUPPORT STS	876,876	25,976	2,427	2,100	28,076	848,800	
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	131,563	0	390	131,953	(131,953)	
1.3.016.06.040.02 - DPT:DPT TRAFFIC SHOP CONTRACT 1300	1,200,000	0	0	0	0	1,200,000	
1.3.016.07.080.04 - DPT:SSD DS/CN: 1UTL	38,450	0	0	0	0	38,450	
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]	259,120	253,184	0	0	253,184	5,936	
1.3.016.08.080.04 - DPT:SSD [13BN]	0	23,302	0	0	23,302	(23,302)	
1.3.016.08.080.04 - DPT:SSD [13CN]	0	963	0	0	963	(963)	
1.3.016.08.080.04 - DPT:SSD [B85]	0	87,624	728	483	88,107	(88,107)	
1.3.016.09.040.08 - PCOS:1300/STS [68CPT544132Z.CPT544132Z]	0	3,503	3,503	6,256	9,759	(9,759)	
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	37,852	0	0	37,852	288,616	
1.3.018.04.040.02 - OPS:SUPPORT TO CONTRACT 1300/CTS	100,000	26,469	0	0	26,469	73,531	
1.3.018.06.080.07 - OPS:SUPPORT TO CONTRACT 1300/UMS	300,000	11,384	0	0	11,384	288,616	
19 - OTHER SFMTA	700,000	153,027	0	0	153,027	546,973	
1.3.019.01.080.07 - OTH.MTA SURVEY AND TESTING	500,000	0	0	0	0	500,000	
1.3.019.07.080.07 - OTH.MTA SFMTA-SURVEY; TSTG [6840]	0	714	0	0	714	(714)	
1.3.019.08.040.08 - OTH.MTA 1251 MATERIALS	150,000	126,149	0	0	126,149	23,851	
1.3.019.08.080.08 - OTH.MTA OPERATION SUPPORT DUR	50,000	26,164	0	0	26,164	23,836	

[A] Cost Account Description	BUDGET	ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
	[B] Apr 2015 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total		
21 - ARTS COMMISSION	12,010,885	801,267	25,795	250,311	1,051,578	11,118,277	
1.3.021.01.040.06 - ARTS:CTYCO-ARTS COMMISSION CONSTRUCTION COSTS	4,772,555	0	0	0	0	4,772,555	
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [1227]	2,030,147	388,167	0	0	388,167	1,641,980	40
1.3.021.06.080.03 - ARTS:CTYCO-ARTS COMMISSION PM [285MC.132J]	158,970	0	0	0	0	158,970	
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [E335]	21,000	9,505	0	0	9,505	11,496	
1.3.021.06.040.06 - ARTS:CTYCO-ARTS COMMISSION [68CPT5441327.CPT5441327]	1,500,000	288,100	0	228,000	516,100	983,900	
1.3.021.06.040.06 - ARTS:CTYCO-ARTS COMMISSION [285MCPFUNA.CPT5441327]	1,903,000	63,241	11,890	11,943	75,184	1,827,816	
1.3.021.01.080.03 - ARTS:CTYCO-ARTS COMMISSION [132J]	465,213	0	0	0	0	465,213	
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	902,824	0	0	902,824	1,268,957	
1.3.023.01.080.06 - ATTY:CN LEGAL-CITY ATTORNEY OF	2,171,781	902,824	0	0	902,824	1,268,957	
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	12,651	3,922	2,865	15,516	121,546	
1.3.026.01.080.06 - CM:CTYCO-PLANNING DEPARTMENT	137,062	12,651	3,922	2,865	15,516	121,546	
28 - PUBLIC UTILITIES COMMISSION WATER	4,242,012	1,968,199	55,288	11,833	1,980,031	2,261,981	
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	495,292	707	8,194	503,486	(105,086)	
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	34,559	6,818	490	35,049	571,305	
1.3.028.03.080.04 - PUC:CMB CONTRACT 1300/UMS INSPECTION	230,000	30,363	21,474	0	30,363	199,637	
1.3.028.04.040.02 - PUC:CDD CONTRACT 1300/CTS SUPPORT	271,755	81,846	4,034	0	81,846	189,909	
1.3.028.04.080.04 - PUC:CMB CONTRACT 1300/CTS INSPECTION	115,000	6,956	0	0	6,956	108,044	
1.3.028.05.040.02 - PUC:CDD CONTRACT 1300/YBM SUPPORT	450,282	68,311	3,840	1,553	69,864	380,418	
1.3.028.05.080.04 - PUC:CMB CONTRACT 1300/YBM INSPECTION	184,000	4,008	2,375	0	4,008	179,992	
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]	565,389	318,130	0	0	318,130	247,259	
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	72,897	10,103	1,595	74,492	445,585	
1.3.028.09.080.04 - PUC:CMB CONTRACT 1300/STS INSPECTION	207,000	64,737	5,938	0	64,737	142,263	

[A] Cost Account Description	BUDGET	ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
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32 - DPW - IDC ENGINEERING (HYDRAULIC)	1,150,459	73,714	13,835	13,649	87,363	883,096	
1.3.032.01.080.04 - CM:DPW:1424J-BUREAU OF ENGINEERING (BOE) [AB12]	60,000	73,714	13,835	13,649	87,363	(27,363)	
1.3.032.03.080.04 - DPW IDC HYDRAULIC CN1300 UMS SUPPORT	297,938	0	0	0	0	297,938	
1.3.032.04.080.04 - DPW IDC HYDRAULIC CN1300 CTS SUPPORT	295,639	0	0	0	0	295,639	
1.3.032.05.080.04 - DPW IDC HYDRAULIC CN1300 YBM SUPPORT	301,882	0	0	0	0	301,882	
1.3.032.06.080.04 - DPW: BOE: 1300 DSDC	6,000	0	0	0	0	6,000	
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	0	0	0	0	180,000	
34 - DPW - IDC CONSTRUCTION (CAPITAL)	6,695,348	3,795,685	68,772	57,619	3,853,303	2,842,045	
1.3.034.02.080.04 - DPW:CONSTR:1252 CM [CD12]	730,000	818,529	0	33,508	852,038	(122,038)	
1.3.034.02.080.04 - DPW:CONSTR:1252 CM [13AC12]	206,000	138,397	0	0	138,397	67,603	
1.3.034.01.080.04 - DPW:BCM LABOR [2113]	2,140,142	2,140,142	0	0	2,140,142	0	
1.3.034.06.080.04 - DPW:CONSTR:1300 CM [13CP12]	3,619,206	698,616	68,772	24,110	722,726	2,896,480	
36 - DPW - BSM INFRASTRUCTURE (MAPPING)	465,562	94,103	0	0	94,103	452,459	
1.3.036.01.080.04 - DPW:MPPG:DPW-BUREAU OF ST USE	417,129	32,680	0	0	32,680	384,449	
1.3.036.02.080.04 - DPW:MPPG:1300-DPW-BUREAU OF ST USE	0	33,084	0	0	33,084	(33,084)	
1.3.036.02.080.06 - DPW:MPPG:DPW-BUREAU OF ST USE	90,000	28,339	0	0	28,339	61,661	
1.3.036.06.080.06 - DPW:MPPG:BSM PERMIT REVIEW	39,433	0	0	0	0	39,433	
37 - DPW - PCS MATERIAL TESTING LABORATORY	83,100	0	0	0	0	83,100	
1.3.037.01.080.07 - DPW.MTL.LABDPW-MATERIAL TESTIN	83,100	0	0	0	0	83,100	
39 - DPW - PCS SITE ASSESSMENT & REMEDIATION (SAR)	622,474	917,953	0	0	924,371	(301,897)	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [132112]	8,621	506,858	0	0	506,858	(498,237)	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2213]	92,459	92,459	0	0	92,459	0	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2250]	78,400	78,400	0	0	78,400	0	
1.3.039.01.080.04 -DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2257]	151,515	151,515	0	0	151,515	0	
1.3.039.01.080.04 - DPW:SITE ASSESSMENT & REMEDIATION (SAR) [2313]	83,100	24,343	0	0	24,343	58,757	
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	12,878	0	0	16,218	2,415	
1.3.039.02.080.04 - DPW: SITE ASSESSMENT & REMEDIATION (SAR) – CN1300 [13CH11]	41,379	11,511	0	0	14,590	26,789	
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	

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51 - 821 HOWARD STREET	4,690,481	370,298	13,657	14,582	384,880	4,305,601	
1.3.051.01.080.03 - ODC.HWRD:ODCs - 821 HOWARD STR	4,625,481	365,990	13,657	14,544	380,534	4,244,947	
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	3,253	0	37	3,290	51,710	
55 - 651 BRANNAN	0	10,348	0	0	10,348	(10,348)	
1.3.055.01.080.03 - CM:ODCs - 651 BRANNAN STREET	0	10,348	0	0	10,348	(10,348)	41
63 - CENTRAL SUBWAY PARTNERSHIP - AECOM-EPC JV CONTRACT 149	42,373,401	21,314,030	685,000	315,886	21,629,916	20,743,485	
1.3.063.01.080.03 - CM:PM:AECOM.CS149 OM-EPC JV CS149-PM	9,507,939	6,427,187	(37,385)	126,354	6,553,542	2,954,397	42
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3B]	5,218,630	4,083,288	(56,077)	189,532	4,272,820	945,810	
1.3.063.01.080.04 - CM:AECOM.CS149OM-EPC JV CS-149 [3E]	7,000,000	4,563,233	762,032	0	4,563,233	2,436,767	
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	133,641	16,430	0	133,641	466,359	
1.3.063.01.080.04 - FD:CM:EPC JV CS49-PM [123A]	5,579,945	5,579,945	0	0	5,579,945	0	
1.3.063.97.080.03 - AECOM.CS149 ALLOCAT CONTING	13,905,845					13,905,845	
67 - HILL INTERNATIONAL CONTRACT 156	11,000,000	900,976	70,000	80,000	980,976	9,096,910	
1.3.067.01.080.03 - HILL.CS156:HILL INTL. CS-156 [1337]	10,000,000	823,090	70,000	80,000	903,090	9,096,910	
1.3.067.01.080.03 - HILL.CS156:HILL INTL. [1330]	1,000,000	77,887	0	0	77,887	922,113	
69 - BAYLAND SOIL PROCESS CONTRACT 175	500,000	43,320	0	51,681	95,001	404,999	52
1.3.069.06.040.01 - BAYLAND.CS175:BAYLAND SOIL PROCESS [133K]	500,000	43,320	0	51,681	95,001		
71 - TUNNEL/UTILITIES - CONTRACT # CONTRACT 155-1	1,358,950	1,895,459	16,373	1,892	1,897,350	(538,400)	
1.3.071.01.080.04 - CM: CS155.1 DESIGN SUPPORT DURING CM [1232]	0	(87,201)	0	0	(87,201)	87,201	43
1.3.071.02.080.04 - CM: CS155.1 DESIGN SUPPORT DURING CM [1332]	1,358,950	1,982,660	16,373	1,892	1,984,552	(625,602)	
72 - STATIONS - CONTRACT # CONTRACT 155-2	8,752,240	2,351,067	(34,229)	134,140	2,485,208	6,267,032	
1.3.072.01.080.04 - CM: CS155.2 DESIGN SUPPORT DURING CM [1233]	50,000	51,351	0	0	51,351	(1,351)	44
1.3.072.01.080.04 - CM: CS155.2 DESIGN SUPPORT DURING CM [1333]	8,702,240	2,299,717	(34,229)	134,140	2,433,857	6,268,383	
73 - SYSTEMS/INTEGRATION - CONTRACT 155-3	4,828,269	752,254	70,302	63,948	816,202	4,012,067	
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	662,463	70,302	63,948	726,412	4,011,857	
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	

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82 - UTILITIES RELOCATION #2 (UMS) - CONTRACT 1251	20,794,582	20,794,582	0	0	20,794,582	0	45
1.3.082.08.040.01 - UR2.CONTRACT 1251:SITWORK:DEMOLIT	752,240	752,240	0	0	752,240	0	
1.3.082.08.040.02 - UR2.CONTRACT 1251:SITWORK:UTILITI	10,328,044	10,328,044	0	0	10,328,044	0	
1.3.082.08.040.03 - UR2.CONTRACT 1251:SITWORK:HAZMAT	172,712	172,712	0	0	172,712	0	
1.3.082.08.040.05 - UR2.CONTRACT 1251:SITWORK:STRUCTU	2,706,431	2,706,431	0	0	2,706,431	0	
1.3.082.08.040.06 - UR2.CONTRACT 1251:SITWORK:PEDESTRA	319,317	319,317	0	0	319,317	0	
1.3.082.08.040.07 - UR2.CONTRACT 1251:SITWORK:AUTO/BUS	190,362	190,362	0	0	190,362	0	
1.3.082.08.040.08 - UR2.CONTRACT 1251:SITWORK:TEMP FAC	6,325,476	6,325,476	0	0	6,325,476	0	
GUIDEWAY TUNNELS TOTAL	251,068,968	232,294,426	1,415,931	1,436,837	233,731,263	17,337,705	
83 - GUIDEWAY TUNNELS - CONTRACT # 1252 BASE	233,584,015	230,569,013	1,770,279	1,235,244	231,804,257	1,779,758	
1.3.083.02.010.06 - CONTRACT 1252:GUIDEWAY:UNDERGRN'D CUT	60,446,425	60,507,878	1,009,058	800,000	61,307,878	(861,453)	
1.3.083.02.010.07 - CONTRACT 1252:GUIDEWAY:UNDERGROUND	105,423,090	104,960,125	243,561	(170,000)	104,790,125	632,965	
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	2,351,600	105,000	81,400	2,433,000	7,000	
1.3.083.02.040.02 - CONTRACT 1252:SITWORK:UTILITIES & RE	10,895,000	9,745,351	233,424	106,198	9,851,549	1,043,451	
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	50,000	0	0	50,000	0	
1.3.083.02.040.07 - CONTRACT 1252:SITWORK:AUTO/BUS ACCES	1,345,000	958,500	138,500	350,000	1,308,500	36,500	
1.3.083.02.040.08 - CONTRACT 1252:SITWORK:TEMP FACILITIE	30,799,500	30,256,268	40,736	67,645	30,323,913	475,587	
83 - GUIDEWAY TUNNELS - CONTRACT # 1252 CMODs	1,326,807	1,725,413	(354,348)	201,593	1,927,006	(505,199)	
1.3.083.83.010.06 - CONTRACT 1252: CONTRACT MOD	81,937	75,389	0	6,548	81,937	0	
1.3.083.83.010.07 - CONTRACT 1252: CONTRACT MOD	1,180,322	1,280,322	0	0	1,280,322	(100,000)	
1.3.083.83.020.03 - CONTRACT 1252: CONTRACT MOD	965,121	1,049,063	112,102	28,160	1,077,223	(112,102)	
1.3.083.83.040.02 - CONTRACT 1252: CONTRACT MOD	1,665,207	1,498,322	0	166,886	1,665,208	(1)	
1.3.083.83.040.03 - CONTRACT 1252: CONTRACT MOD	401,933	401,933	0	0	401,933	0	
1.3.083.83.040.08 - CONTRACT 1252: CONTRACT MOD	(2,872,713)	(2,579,617)	(466,450)	(0)	(2,579,617)	(293,096)	
1.3.083.93.010.07 - CONTRACT 1252: TUNNEL ALLOC CONTING	16,063,146	0	0	0	0	16,063,146	46
CONTRACT 1300 - STATIONS, TRACKWORK AND SYSTEMS TOTAL	859,676,400	242,375,110	6,760,337	9,836,197	252,211,307	607,465,093	
84 - UNION SQUARE/MARKET STREET STATION (UMS) - WORK PACKAGE 1253	294,030,590	104,997,293	2,610,517	4,519,553	109,516,846	184,513,744	17
1.3.084.03.020.03 - UMS.1253: UNDERGROUD STATION	244,470,715	75,568,248	910,000	3,019,553	78,587,801	165,882,914	
1.3.084.03.020.07 - UMS.1253: ELEVATORS ESCALATOR	9,874,000	6,131,687	500,517	1,000,000	7,131,687	2,742,313	
1.3.084.03.040.01 - UMS.1253: DEMOLITION CLEARING	4,500,000	3,244,819	500,000	200,000	3,444,819	1,055,181	

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1.3.084.03.040.02 - UMS.1253: SITE UTILITIES UTIL	4,141,998	3,458,341	100,000	0	3,458,341	683,657	
1.3.084.03.040.03 - UMS.1253: HAZARDOUS MATERIALS	300,000	7,024	0	0	7,024	292,976	
1.3.084.03.040.04 - UMS.1253: ENVIRONMENTAL MITIGA	50,000	1,171	0	0	1,171	48,829	
1.3.084.03.040.06 - UMS.1253: PEDESTRIAN/BIKE	422,000	107,539	0	0	107,539	314,461	
1.3.084.03.040.07 - UMS.1253: AUTOMOBILE BUS ACCE	1,592,000	1,077,907	100,000	100,000	1,177,907	414,093	
1.3.084.03.040.08 - UMS.1253: TEMPORARY FACILITIES	24,575,001	15,255,625	500,000	200,000	15,455,625	9,119,376	
1.3.084.03.050.02 - UMS.1253: TRAFFIC SIGNALS AND	284,999	55,501	0	0	55,501	229,498	
1.3.084.03.050.03 - UMS.1253: TRACTION POWER SUPPL	1,520,000	35,586	0	0	35,586	1,484,414	
1.3.084.03.050.04 - UMS.1253: TRACTION POWER DISTR	228,000	5,338	0	0	5,338	222,662	
1.3.084.03.050.05 - UMS.1253: COMMUNICATIONS	1,832,000	42,891	0	0	42,891	1,789,109	
1.3.084.03.050.06 - UMS.1253: FARE COLLECTION SYST	239,877	5,616	0	0	5,616	234,261	
84 - UNION SQUARE/MARKET STREET STATION (UMS) CMODs	90,000	90,000	0	0	90,000	0	
1.3.084.84.020.07 - CMOD:UMS.1253: ELEVATORS, ESCALATORS	90,000	90,000	0	0	90,000	0	
1.3.084.94.020.03 - UMS.1253: AC: ALLOC CONTING	4,910,000	0	0	0	0	4,910,000	47
85 - CHINATOWN STATION (CTS) - WORK PACKAGE 1254	247,567,810	55,290,335	1,535,934	2,082,354	57,372,689	190,195,121	17
1.3.085.04.010.07 - CTS.1254: GUIDEWAY: UNDERGROUN	72,593,358	2,479,650	0	200,000	2,679,650	69,913,708	
1.3.085.04.020.03 - CTS.1254: UNDERGROUND STATION	136,832,027	37,827,633	1,274,045	1,282,354	39,109,987	97,722,040	
1.3.085.04.020.07 - CTS.1254: ELEVATORS ESCALATOR	6,900,000	868,627	161,889	200,000	1,068,627	5,831,373	
1.3.085.04.040.01 - CTS.1254: DEMOLITION CLEARING	500,000	500,000	0	0	500,000	0	
1.3.085.04.040.02 - CTS.1254: SITE UTILITIES UTIL	4,424,001	3,465,064	0	200,000	3,665,064	758,937	
1.3.085.04.040.03 - CTS.1254: HAZARDOUS MATERIALS	427,000	438,985	0	0	438,985	(11,985)	
1.3.085.04.040.04 - CTS.1254: ENVIRONMENTAL MITIGA	100,000	2,996	0	0	2,996	97,004	
1.3.085.04.040.06 - CTS.1254: PEDESTRIAN/BIKE	80,000	2,397	0	0	2,397	77,603	
1.3.085.04.040.07 - CTS.1254: AUTOMOBILE BUS ACCE	278,500	8,344	0	0	8,344	270,156	
1.3.085.04.040.08 - CTS.1254: TEMPORARY FACILITIES	18,068,000	9,181,078	100,000	200,000	9,381,078	8,686,922	
1.3.085.04.050.02 - CTS.1254: TRAFFIC SIGNALS AND	304,000	304,000	0	0	304,000	0	
1.3.085.04.050.03 - CTS.1254: TRACTION POWER SUPPL	4,275,000	128,088	0	0	128,088	4,146,912	
1.3.085.04.050.04 - CTS.1254: TRACTION POWER DISTR	142,000	4,255	0	0	4,255	137,745	
1.3.085.04.050.05 - CTS.1254: COMMUNICATIONS	2,564,000	76,823	0	0	76,823	2,487,177	
1.3.085.04.050.06 - CTS.1254: FARE COLLECTION SYST	79,924	2,395	0	0	2,395	77,529	
85 - CHINATOWN STATION (CTS) CMODs	230,956	25,956	0	0	25,956	205,000	
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	25,956	0	0	25,956	130,000	

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1.3.085.95.020.03 - CTS.1254: AC: ALLOC CONTING	4,769,044	0	0	0	0	4,769,044	48
86 - YERBA BUENA MOSCONE STATION (YBM) - WORK PACKAGE 1255	158,089,000	61,719,593	2,453,044	1,961,723	63,681,316	94,407,684	17
1.3.086.05.020.03 - YBM.1255: UNDERGROUND STATION	118,380,549	39,970,863	2,000,000	1,361,723	41,332,586	77,047,963	
1.3.086.05.020.07 - YBM.1255: ELEVATORS ESCALATOR	5,600,000	4,073,986	253,044	200,000	4,273,986	1,326,014	
1.3.086.05.040.01 - YBM.1255: DEMOLITION CLEARING	800,000	800,000	0	0	800,000	0	
1.3.086.05.040.02 - YBM.1255: SITE UTILITIES UTIL	6,799,999	6,171,080	200,000	100,000	6,271,080	528,919	
1.3.086.05.040.03 - YBM.1255: HAZARDOUS MATERIALS	2,512,000	2,433,341	0	0	2,433,341	78,659	
1.3.086.05.040.04 - YBM.1255: ENVIRONMENTAL MITIGA	100,000	2,556	0	0	2,556	97,444	
1.3.086.05.040.06 - YBM.1255: PEDESTRIAN/BIKE	18,000	460	0	0	460	17,540	
1.3.086.05.040.07 - YBM.1255: AUTOMOBILE BUS ACCE	1,595,000	241,740	0	0	241,740	1,353,260	
1.3.086.05.040.08 - YBM.1255: TEMPORARY FACILITIES	15,865,000	7,861,522	0	300,000	8,161,522	7,703,478	
1.3.086.05.050.02 - YBM.1255: TRAFFIC SIGNALS AND	237,000	6,057	0	0	6,057	230,943	
1.3.086.05.050.03 - YBM.1255: TRACTION POWER SUPPL	3,895,000	99,550	0	0	99,550	3,795,450	
1.3.086.05.050.04 - YBM.1255: TRACTION POWER DISTR	148,000	3,783	0	0	3,783	144,217	
1.3.086.05.050.05 - YBM.1255: COMMUNICATIONS	2,060,000	52,650	0	0	52,650	2,007,350	
1.3.086.05.050.06 - YBM.1255: FARE COLLECTION SYST	78,452	2,005	0	0	2,005	76,447	
86 - YERBA BUENA MOSCONE STATION (YBM) CMODs	(1,833,869)	0	0	0	0	(1,833,869)	
1.3.086.86.040.08 - CMOD:YBM.1255: TEMPORARY FACILITIES	(1,833,869)	0	0	0	0	(1,833,869)	
1.3.086.96.020.03 - YBM.1255: AC: ALLOC CONTING	6,833,869	0	0	0	0	6,833,869	49
87 - SURFACE TRACKWORK AND SYSTEMS -WORK PACKAGE 1256	139,989,000	20,251,933	160,842	1,272,567	21,524,500	118,464,500	
1.3.087.09.010.06 - STS.1256: GUIDEWAY: UNDERGROUN	10,126,500	318,632	0	0	318,632	9,807,868	
1.3.087.09.010.07 - STS.1256: GUIDEWAY: UNDERGROUN	13,746,000	432,520	0	0	432,520	13,313,480	
1.3.087.09.010.09 - STS.1256: TRACK: DIRECT FIX	10,046,180	316,104	0	0	316,104	9,730,076	
1.3.087.09.010.10 - STS.1256: TRACK: EMBEDDED	4,357,310	1,148,502	0	(1)	1,148,501	3,208,809	
1.3.087.09.010.12 - STS.1256: TRACK: SPECIAL	5,369,510	168,952	0	(0)	168,952	5,200,558	
1.3.087.09.020.01 - STS.1256: AT-GRADE STATION	9,121,500	287,009	0	(0)	287,009	8,834,491	
1.3.087.09.020.03 - STS.1256: UNDERGROUND STATION	200,000	6,293	0	0	6,293	193,707	
1.3.087.09.040.02 - STS.1256: SITE UTILITIES, UTILITY RELOCA	16,412,000	7,720,903	0	1,100,000	8,820,903	7,591,097	
1.3.087.09.040.03 - STS.1256: HAZARDOUS MATERIALS	100,000	3,147	0	0	3,147	96,853	
1.3.087.09.040.04 - STS.1256: ENVIRONMENTAL MITIGA	50,000	1,573	0	(0)	1,573	48,427	
1.3.087.09.040.07 - STS.1256: AUTOMOBILE BUS ACCE	2,200,000	815,072	0	0	815,072	1,384,928	
1.3.087.09.040.08 - STS.1256: TEMPORARY FACILITIES	9,950,000	5,395,475	0	99,999	5,495,474	4,454,526	
1.3.087.09.050.01 - STS.1256: TRAIN CONTROL	30,136,000	2,777,998	160,842	72,569	2,850,567	27,285,433	
1.3.087.09.050.02 - STS.1256: TRAFFIC SIGNALS AND	844,000	26,557	0	0	26,557	817,443	

[A] Cost Account Description	BUDGET	ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
	[B] Apr 2015 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	10,439,000	301,719	0	0	301,719	10,137,281	
1.3.087.09.050.04 - STS.1256: TRACTION POWER DISTR	4,219,000	132,751	0	0	132,751	4,086,249	
1.3.087.09.050.05 - STS.1256: COMMUNICATIONS	9,955,000	313,235	0	0	313,235	9,641,765	
1.3.087.09.050.07 - STS.1256: CENTRAL CONTROL	2,717,000	85,491	0	0	85,491	2,631,509	
87 - SURFACE TRACKWORK AND SYSTEMS (STS) CMODs	80,170	0	0	0	0	80,170	
1.3.087.89.040.08 - CMOD:STS.1256: TEMPORARY FACILITIES	80,170	0	0	0	0	80,170	
1.3.087.99.020.01 - STS.1256: AC: ALLOC CONTING	4,919,830	0	0	0	0	4,919,830	50
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					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					1,358,422	
151 - TEMPORARY LICENSE AGREEMENT	17,000	0	0	0	0	17,000	
1.3.151.01.080.06 - TEMP.LICPORARY LICENSE AGREEME	17,000	0	0	0	0	17,000	
170 - COMMUNICATIONS CONNECTIONS	5,757,629	0	0	0	0	5,757,629	
1.3.170.01.050.04 - COMM.CONNN:COMMUNICATION CONN	5,757,629	0	0	0	0	5,757,629	
181 - AON RISK INSURANCE CS 163	18,113,750	18,798,132	0	0	18,798,132	(684,382)	
1.3.181.01.040.08 - AON.CS163 AON RISK INS.	18,088,750	18,773,132	0	0	18,773,132	(684,382)	
1.3.181.01.080.03 - AON.CS171 AON RISK INS. STUDY	25,000	25,000	0	0	25,000	0	
191 - FARE COLLECTION CONTRACTOR	5,400,000	0	0	0	0	5,400,000	
1.3.191.01.050.06 - FARE.CONsul:FARE COLLECTION	5,400,000	0	0	0	0	5,400,000	
192 - THALES T&S CENTRAL CONTROL	487,972	110,000	0	0	110,000	377,972	
1.3.192.01.050.01 - THALES T&S ATCS	487,972	110,000	0	0	110,000	377,972	
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	2,749,912	0	0	2,749,912	(761,739)	
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	115,690	0	0	115,690	2,844,136	
1.3.302.04.050.03 - PGE PERMANENT POWER CTS	(2,350,000)	0	0	0	0	(2,350,000)	

[A] Cost Account Description	BUDGET	ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
	[B] Apr 2015 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total		
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	2,634,222	0	0	2,634,222	491,000	
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	0	33,152	0	0	33,152	(33,152)	
1.3.331.01.080.06 - CM: BAY AREA RAPID TRANSIT (BART) [122A]	951,356	27,304	0	0	27,304	924,052	
333 - AMERICAN PUBLIC TRANSP. ASSOCIATION (APTA) CS-APTA	146,500	54,612	0	0	54,612	91,888	
1.3.333.01.080.03 - APTA:APTA - IRP [2G]	46,500	27,304	0	0	27,304	19,196	
1.3.333.01.080.03 - APTA:APTA - IRP [2C]	100,000	27,308	0	0	27,308	72,692	
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)	
1.3.491.02.900.01 - FORMB - CONTRACT 1252 UTILITY REIMBUR	(254,050)	0			0	(254,050)	
1.3.491.03.900.01 - FORMB - UMS:CONTRACT 1300 UTILITY REIMBURSEMENT	(528,370)	0			0	(528,370)	
1.3.491.04.900.01 - FORMB - CTS:CONTRACT 1300 UTILITY REIMBURSEMENT	(451,703)	0			0	(451,703)	
1.3.491.05.900.01 - FORMB - YBM:CONTRACT 1300 UTILITY REIMBURSEMENT	(100,000)	0			0	(100,000)	
1.3.491.07.900.01 - FORMB - CONTRACT 1250 UTILITY REIMBUR	(2,275,419)	0			0	(2,275,419)	
1.3.491.08.900.01 - FORMB - CONTRACT 1251 UTILITY REIMBUR	(7,618,412)	0			0	(7,618,412)	
1.3.491.09.900.01 - FORMB - STS:CONTRACT 1300 UTILITY REIMBURSEMENT	(1,000,000)	0			0	(1,000,000)	
TOTAL CONSTRUCTION PHASE	1,343,370,949	580,068,391	9,799,754	12,832,892	592,965,638	737,541,747	
1.4.091.01.070.01 - LRVS: LIGHT RAIL VEHICLES PROJECT MGT [68E]	827,132	827,132	0	0	827,132	0	
1.4.091.01.070.01 - LRVS: LIGHT RAIL VEHICLES RFP [34B]	1,325,000	1,318,447	0	1,326	1,319,773	5,227	
1.4.091.01.070.01 - LRVS: LRV PROCUREMENT ODC	25,000	0	0	0	0	25,000	
1.4.091.01.070.01 - LRVS: LRV PROCUREMENT	11,131,868	0	0	0	0	11,131,868	
1.4.091.97.070.01 - LRVA:AC: VEHICLES ALLOC CONTI	13,076,653					13,076,653	19
TOTAL VEHICLES	26,385,653	2,145,579	0	1,326	2,146,905	24,238,748	

[A] Cost Account Description	BUDGET	ACTUAL COSTS				[G] VARIANCE (B - F)	COST REPORT NOTES
	[B] Apr 2015 Budget (YOE)	[C] PRIOR MONTH Total	[D] PRIOR MONTH Monthly	[E] CURRENT Monthly	[F] CURRENT Total		
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	18,474,878	14,307,667	0	0	14,307,667	4,167,211	
1.5.015.01.060.01 - RE: REAL ESTATE	750,000	748,469	3,436	4,998	753,466	(3,466)	
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	5,000,000	2,584,000	68,000	0	2,584,000	2,416,000	
1.5.015.01.060.01 - RE:-LICENSES FEES	400,000	381,311	0	0	381,311	18,689	
1.5.015.97.060.01 - RE:A:AC: RE: REAL ESTATE ALLO	1,000,000					1,000,000	
1.5.023.01.060.01 - ATTY:REAL ES	2,212,882	2,469,421	0	0	2,469,421	(256,539)	
1.5.101.01.060.02 - RES.RELO: RELOCATION COST	1,275,200	1,303,287	0	0	1,303,287	(28,087)	
1.5.102.01.060.02 - COMM.RELO-RELOC COMMERCIAL	905,311	584,194	0	0	584,194	321,117	
TOTAL ROW, LAND, EXISTING IMPROVEMENTS	37,405,895	29,688,912	71,436	4,998	29,693,910	7,711,985	
90 - CONTINGENCY	80,473,077					80,473,077	
1.7.500.91.090.00 - UNALLOCATED CONTINGENCY	9,519,456					9,519,456	51
TOTAL ALLOCATED CONTINGENCY	70,953,621					70,953,621	
TOTAL PROJECT COST	1,578,300,001	772,374,776	9,871,190	12,839,215	785,278,346	780,158,091	

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	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).
12	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.
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).

7.4 Contingency Management Trend Report	
14	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.
15	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.

16	Contract 1252 Original Contract Value "column a" and Original Congency "column f" did not match September 2013 Supplemental due to Supplemental were used the revised value to reflet 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, and CMod #41 for install 24" Water Main in North Beach cost \$328,860 funded by SFPUC.
17	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.
18	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 costbook ROW budget & contingency to be \$37,511,799. The \$4,265,478 Caltrans lease savings is used for ROW allocated contingency.
19	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.
20	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 Congency. "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.
21	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.
22	Estimate at Completion is shown at Column "e".
23	Estimate at Completion vs. Budget variance is shown at Column "k".

7.5 Contract Modification/Trend Log - Contract 1300 Stations

24	Contract 1300 GEN Potential Changes cost were re-coding to Contract Work Packages
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7.6 Budget Revisions: Report Sorted by Construction Packages

25	In Dec 2014 Report, reduced CN1252 allocated contingency by \$28K to excute Contract Modification #46, see Report 7.5 Detail Contingency Usage Report.
26	Program contingency increased by \$500,000. Refer to Report Notes #20.
27	Program contingency increased by \$5,265,478. Refer to Report Notes #18.
28	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.
29	Program contingency decreased by \$500,000. Refer to Reports #20.

7.9 Detail Monthly Expenditure Report

Phase 1 Preliminary Engineering

30	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, refer to Notes #19 and #20.
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Phase 2 Design Phase

31	Famis cost adjustment to transfer Project Management cost from July 2013 to Phase 3 Construction Phase.
32	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.
33	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]
34	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]
35	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]
36	AVA Cost \$395,204 is reported in Phase 2 Final Design 1.2.066.01.080.03
37	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]
38	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]

39	1.2.073.01.080.02 - FD:FINAL DESIGN-DP3 [35CPT5441236.CPT5441236]: FAMIS: \$11,502,372 COST REPORT: \$11,432,312 COST TRANSFER: \$70,060 to 1.3.073.01.080.04 - CM: DP3 [35CPT5441236.CPT5441236]
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Phase 3 CONSTRUCTION PHASE	
40	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
41	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
42	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]
43	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]
44	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]
45	Contract 1251 Final cost is \$20,794,582.
46	Revised Contract 1252 allocated contingency SCC code from 040.08 to 010.07.
47	Revised Contract 1300/UMS allocated contingency SCC code from 040.08 to 020.03.
48	Revised Contract 1300/CTS allocated contingency SCC code from 040.08 to 020.03.
49	Revised Contract 1300/YBM allocated contingency SCC code from 040.08 to 020.03.
50	Revised Contract 1300/STS allocated contingency SCC code from 040.08 to 020.01.
51	Increase Program contingency \$1,023,508. Refer to Report Notes #11 and #12. Program contingency decreased by \$500,000. Refer to Report Notes #18.
52	Program contingency increased by \$500,000. Refer to Report Notes #18.

Appendix B

DETAIL SCHEDULE REPORTS

SCHEDULE HIGHLIGHTS

The Master Project Schedule (MPS) below includes progress through April 30, 2015.

The MPS continues to forecast the Revenue Service Date of December 26, 2018.

The controlling critical (longest) path of the MPS runs through CTS succeeded by Commissioning and Pre-Revenue Activities to the Baseline Finish and Revenue Service Date. See Appendix B – Longest Path.

The Schedule Contingency is 4.8 months on the critical path of the MPS, which is below the Minimum Schedule Contingency level of 8 months. Revisions to the Schedule Contingency minimum levels have been developed and reviewed by FTA. Revisions to schedule contingency minimum levels have been reevaluated utilizing the approved Contract 1300 baseline schedule and found to be consistent with previous results. A re-evaluation is now required, utilizing the updated Contract 1300 Schedule to justify any revisions to current minimums.

The 1300 Contractor submitted the third Schedule Update (thru February 2015), indicating the same 6 month late finish as shown in the January 2015 and December 2014 update. All updates have been rejected and require resubmission. The 1300 Contractor continues address key critical activities to recover lost time and improve schedule performance. Review of schedule update as well as identifying recovery options is ongoing.

Contract 1252 Tunnels:

The 1252 Contract achieved Substantial Completion on April 15, 2015. Contract Closeout and restoration activities are ongoing to complete the remaining work by Final Completion.

Contract Milestones	Required Finish	APR 2015 Finish	MAR 2015 Finish	Ahead/ Behind Requirement
Contract 1252 Tunnel Substantial Completion	15-Apr-15	15-Apr-15	15-Apr-15	(0) CD

Contract 1252 has performed the following work this period:

- Completing remaining punch list in Portal Structure
- Demobilize from Caltrans yard.

Contract 1252 will perform the following work next month:

- Administrative Closeout by CM Team
- Final Completion

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

Contract 1300 schedule currently shows a summary version of Tutor Perini Corporation’s (TPC) preliminary Baseline and Bid Schedule. This summary 1300 schedule will be replaced with Tutor’s approved Baseline Schedule and monthly update schedule. Update Schedule is currently under SFMTA review. The Update Schedule will be incorporated into mater program schedule if the major review comments are incorporated.

Contract 1300 has several interface points with Contract 1252. The timing of these interface points correlate to when the NTP was issued for Contract 1300. This table represents the current status of these interface points with respect to the Contract 1252 update. The 1300 Contractor is not ready to access the tunnel used by Contract CN-1252. The tunnel access from Contract 1252 is not expected to impact Contract 1300. The current completion date of the Contract 1252 is shown in the table below.

Interface Points	CN1300 Requirement	CN 1252 APR15 Update	Variance
Tunnel Portal Completion 1252 Tunnel Final Completion	24-Sep-15	15-May-15	132 CD

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

- Formed and Poured Surface Level Slab three out of four pours
- Install surface settlement points on Stockton St
- Pothole dewatering wells on Stockton Street
- Install inclinometers on Stockton Street
- Relocate 12 inch water line at North Egress Shaft

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

- Install dewatering wells on Stockton St
- Begin mass excavation to elevation, install first bracing level
- Install inclinometers on Stockton Street
- Install water line on Stockton Street
- Finish Surface Level Shaft, waterproof
- Backfill surface slab at Washington Street
- Install service crane
- Demolish bulb out North Access Shaft



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

- Continued demolition of Bart Annex on Ellis Street
- Installed I beams for roof installation between Maiden Lane and Geary Street & at Ellis
- Continued production Jet Grouting on East Side of Stockton Street
- Continued Jet Grout Test Program on West Side of Stockton Street
- Continued installing and testing Tiebacks for Union Square Garage demolition.
- Mobilized for compensation grout pipe installation.

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

- Street closures: Stockton Street between Ellis and Post and Ellis halfway, Stockton to Powell. Limited nighttime closure of Geary Street at Stockton and Grant and Stockton Street closed at Post.
- Union Square Garage – tieback installation, micro-pile installation, and demolition.
- Continue jet grouting operations on East and West sides of Stockton Street between Geary and O’Farrell Streets.
- Install I beams for roof installation between Maiden Lane and Geary Street
- Demolition and roof deck installation operations at Ellis Street Annex
- Begin installing Compensation Grout pipes for building protection along Stockton Street

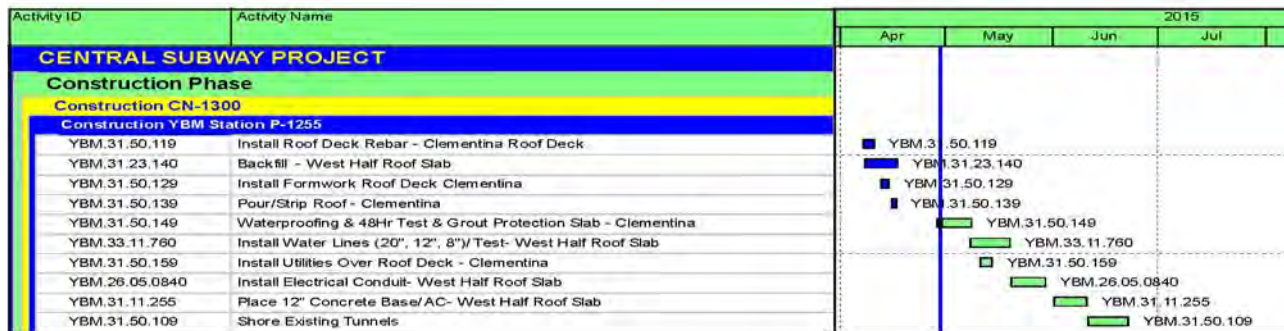
Activity ID	Activity Name	2015				
		Apr	May	Jun	Jul	Aug
CENTRAL SUBWAY PROJECT						
Construction Phase						
Construction CN-1300						
Construction UMS Station P-1253						
UMS.31.20.202.1b	UMS_Excavate To Compensation Grout Level - Sta 135+92 To Sta 136+28					UMS.31.20.202.1b
UMS.31.32.100.2a	UMS_Jet Grout Stockton St East/West Side for Water Seal Rig#2 Pour 2A					UMS.31.32.100.2a
UMS.31.43.510.1b	UMS_Install Compensation Grouting Tubes - Armani Sta 135+92 to 136+28					UMS.31.43.510.1b
UMS.02.41.0375	UMS_Demo Sub-Basement Walls, Beams & Lagging - Stockton St - Maiden To Geary (West Side)					UMS.02.41.0375
UMS.31.20.205.2b	UMS_Backfill Roof Section To Subgrade & Move Skid - Sta 136+28 to Sta 136+64					UMS.31.20.205.2b
UMS.02.41.0060	UMS_Demo Garage Roof Slab					UMS.02.41.0060
UMS.31.20.202.2b	UMS_Excavate To Compensation Grout Level - Sta 136+28 To Sta 136+64					UMS.31.20.202.2b
UMS.31.20.202.3b	UMS_Excavate To Compensation Grout Level - Sta 136+64 To Sta 137+00					UMS.31.20.202.3b
UMS.31.43.510.2b	UMS_Install Compensation Grouting Tubes - Apple Store, Armani Sta 136+28 to 136+64					UMS.31.43.510.2b
UMS.31.43.510.3b	UMS_Install Compensation Grouting Tubes - Apple Store Sta 136+64 to 137+00					UMS.31.43.510.3b
UMS.33.11.0100	UMS_Install New 8" Water Main - South Side Ellis St					UMS.33.11.0100
UMS.31.32.0070	UMS_Jet Grout Under South Wall Footings - USG					UMS.31.32.0070
UMS.31.41.0240	UMS_Install Sheet Piles @ Access Shaft #2 (O'Farrell)*					UMS.31.41.0240
UMS.33.31.200.3b	UMS_Install Utilities, OCS Pier #3, & Backfill Street - Sta 136+64 to Sta 137+00					UMS.33.31.200.3b
UMS.31.32.105.2a	UMS_Jet Grout Stockton St West/East Side for Water Seal Rig#2 Pour 2A					UMS.31.32.105.2a
UMS.31.50.0250	UMS_Excavate, Lag & Support @ Access Shaft #2 (O'Farrell)					UMS.31.50.0250
UMS.31.20.1365	UMS_Shore Tunnel and ready for break in - Sta 132+50 To North Headwall					UMS.31.20.1365
UMS.31.32.105.3a	UMS_Jet Grout Stockton St East/West Side for Water Seal Rig#1 Pour 3A					UMS.31.32.105.3a
UMS.31.50.0260	UMS_Install Temporary Lid @ Access Shaft #2 (O'Farrell)					UMS.31.50.0260

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

- All west side roof slab segments for station box on 4th Street have been placed and waterproofed.
- Roof slab over portion of headhouse beneath Clementina Street has been placed.
- Utilities (AWSS and water mains) have been installed above the west side station box roof and backfilled.
- Archaeological monitoring in progress.

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

- Completion of west side road restoration.
- Traffic switch to close east side of 4th Street and begin east side station box roof construction.
- Utility installation in vicinity of 4th Street at Folsom.
- Archaeological Monitoring of excavation on east side of 4th Street.



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

- DPW and SFPUC reviewed 100% of design of Design-Build 78” sewer
- Contractor progressing toward 100% design of 48” sewer and 36” sewer force main
- Continue Muni ductbank installation
- Started 78” sewer rehabilitation

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

- Install waterline, AWSS, 36” force main
- Continue Muni ductbank installation
- Continue 78” sewer rehabilitation

Activity ID	Activity Name	2015				
		Apr	May	Jun	Jul	Aug
CENTRAL SUBWAY PROJECT						
Construction Phase						
Construction CN-1300						
Construction STS P-1256						
STS.33.31.430	78" Sewer - Brannan to Bluxome - F/R/P Crown					
STS.33.31.095	Modify Existing 78" Curved Section Of Sewer Main In Brannan Intersection					
STS.26.05.3730	STS_Pothole Utilities: MRY Ductbanks On/Off 4th Street					
STS.33.51.150	STS_Pothole: Utilities: Pothole for Gas Distribution					
STS.33.11.350	STS_Install Utilities: Track Drainage- 4th St (Bluxome St To Townsend St)					
STS.33.31.390	MRY Duct Bank Installation - Bluxome to Townsend					
STS.33.31.400	MRY Duct Bank Installation - Freeton to Welsh					
STS.33.31.410	Exc & Install Precast MRY Vaults - 4th Str					
STS.33.11.360	STS_Install Utilities: Track Drainage- 4th St (Townsend St To King St Tie-in)					
STS.33.31.380	STS_Install New Offset Sewer Manhole @ 4th St/Townsend					
STS.33.31.450	Modify Existing 78" Sewer Main Brannan To Bluxome St Manhole					
STS.33.31.440	78" Sewer - Brannan to Townsend - Exc/Demo Brick Cap					
STS1100	Modify Existing 78" Sewer Main Bluxome to Townsend St Manhole +/-					

SCHEDULE REVISIONS

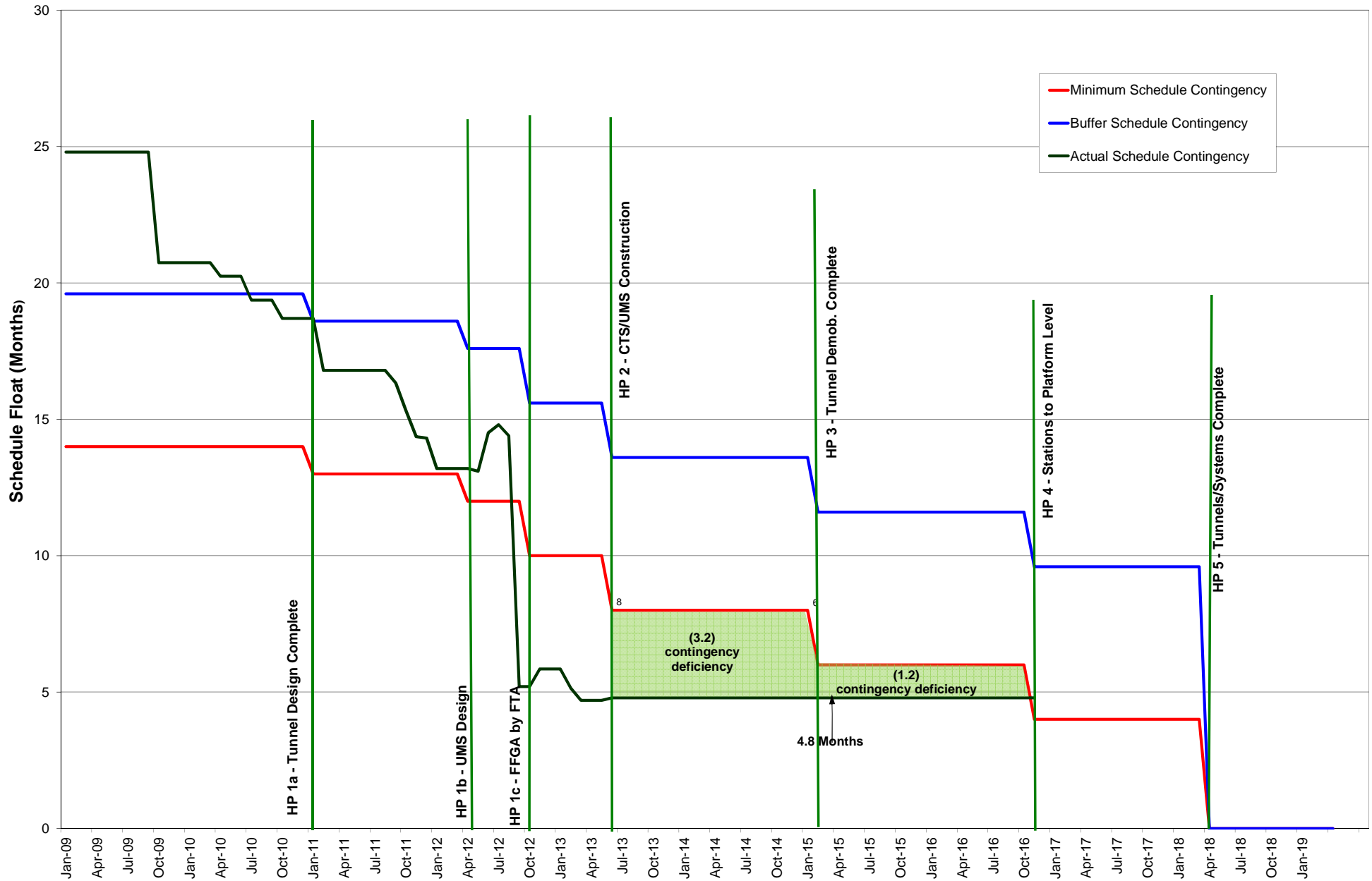
Activities were added to the Interim CN-1300 Schedule to show addition schedule details in the current reporting period.

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 2015



Activity ID	Activity Name	Original Duration	Start	Finish	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
CENTRAL SUBWAY PROJECT					CENTRAL SUBWAY PROJECT																						
Program Level Milestones					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	Tunnel Excavation Complete - Project Milestone #4A																						
MS0019	Baseline Finish Date: 12-26-2018	0		26-Dec-18*	◆ Baseline Finish Date: 12-26-2018																						
MS0009	CSP Revenue Service Date	0		26-Dec-18*	◆ CSP Revenue Service Date																						
Preliminary Engineering Phase																											
Final Design																											
Light Rail Vehicles					Light Rail Vehicles																						
Real Estate					Real Estate																						
Construction Phase					Construction Phase																						
Construction Support and Costs					Construction Support and Costs																						
Construction Utility Contract #1- MOS & Portal CN-1250																											
Construction Utility Contract #2 - UMS CN-1251																											
Construction Tunnels CN-1252					Construction Tunnels CN-1252																						
Construction CN-1300					Construction CN-1300																						
CN- 1300 Milestone					CN- 1300 Milestone																						
Construction UMS Station P-1253					Construction UMS Station P-1253																						
Construction CTS Station P-1254R					Construction CTS Station P-1254R																						
Construction YBM Station P-1255					Construction YBM Station P-1255																						
Construction STS P-1256					Construction STS P-1256																						
UMS-1253 Contract Modification					UMS-1253 Contract Modification																						
Project Start Up					Project Start Up																						
Unallocated Contingency					Unallocated Contingency																						
CO1.700	Cost Activity Unallocated Contingency (LOE) - 1.7.500.99.090.00 - Contingency	219	12-Feb-18	26-Dec-18	Cost Activity Unallocated Contingency (LOE) -																						

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2015		2016				2017				2018				2019				2020				2021	
						Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
CENTRAL SUBWAY PROJECT						1540	09-Oct-14 A	26-Dec-18	0																				
Program Level Milestones						175	13-Apr-18	26-Dec-18	0																				
HidPt5	Systems Complete	0		13-Apr-18	0	◆ Systems Complete																							
MS0019	Baseline Finish Date: 12-26-2018	0		26-Dec-18*	0	◆ Baseline Finish Date: 12-26-2018																							
MS0009	CSP Revenue Service Date	0		26-Dec-18*	0	◆ CSP Revenue Service Date																							
Construction Phase						1540	09-Oct-14 A	26-Dec-18	0																				
Construction CN-1300						1283	09-Oct-14 A	13-Apr-18	0																				
CN- 1300 Milestone						44	12-Feb-18	13-Apr-18	0																				
BUF1017	STS Buffer Float- (44)	44	12-Feb-18	13-Apr-18	0	■ STS Buffer Float- (44)																							
Construction CTS Station P-1254R						1221	09-Oct-14 A	10-Feb-18	0																				
CTS1040	CTS Excavate Headhouse & Bracing	128	09-Oct-14 A	27-May-15	0	■ CTS Excavate Headhouse & Bracing																							
CTS1050	CTS SEM & Install Supports	406	28-May-15	17-Jan-17	0	■ CTS SEM & Install Supports																							
CTS1080	CTS Headhouse Structural Concrete / Remove Bracing	60	14-Dec-16	21-Mar-17	0	■ CTS Headhouse Structural Concrete / Remove Bracing																							
CTS1100	CTS Install M/E/P	145	22-Mar-17	16-Oct-17	0	■ CTS Install M/E/P																							
CTS1120	CTS Start Up & Testing	96	17-Oct-17	10-Feb-18	0	■ CTS Start Up & Testing																							
CTS0030	CTS P-1254R Commissioning Completion	0		10-Feb-18	0	◆ CTS P-1254R Commissioning Completion																							
Construction STS P-1256						88	26-Oct-17	10-Feb-18	0																				
STS1090	STS Startup & Testing- Tunnel & ATSC Systems	88	26-Oct-17	10-Feb-18	0	■ STS Startup & Testing- Tunnel & ATSC Systems																							
Project Start Up						175	16-Apr-18	26-Dec-18	0																				
STU1010	S&S Certification / Pre-Revenue Activities	115	16-Apr-18	27-Sep-18	0	■ S&S Certification / Pre-Revenue Activities																							
BUF0018	Muni Float	60	28-Sep-18	26-Dec-18	0	■ Muni Float																							

Activity Name	Original Duration	Start	Finish	2012				2013				2014				2015				2016				2017				2018			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
CENTRAL SUBWAY PROJECT	1744	08-Jun-11 A	11-May-18																												
Construction Phase	1744	08-Jun-11 A	11-May-18																												
Construction Tunnels CN-1252	1357	08-Jun-11 A	15-May-15																												
1252 Tunnel Contract BIH	1357	08-Jun-11 A	15-May-15																												
Contract Milestones	1437	08-Jun-11 A	15-May-15																												
General Conditions	1187	01-Aug-11 A	15-May-15																												
4th & Bryant St TBM Launch Box Construction	442	30-Mar-12 A	02-Jun-14 A																												
Moscone Station Headwalls	446	14-May-12 A	20-Sep-13 A																												
UMS Station Headwalls	456	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	367	27-Feb-13 A	22-Nov-13 A																												
South Headwall	424	31-Jul-12 A	22-Nov-13 A																												
4th St and Market Compensation Grouting	710	28-Jan-13 A	30-Apr-15 A																												
Southbound Tunneling	462	27-Apr-13 A	13-Oct-14 A																												
Ellis St Compensation Grouting	532	31-Jul-12 A	09-May-14 A																												
Green St Compensation Grouting	261	05-Aug-13 A	30-Jun-14 A																												
Retrieval Shaft	1047	31-Oct-11 A	20-Mar-15 A																												
Cross Passage 1-5	313	22-Mar-14 A	16-Apr-15 A																												
Cross Passage 1	79	14-Jun-14 A	12-Sep-14 A																												
Cross Passage 2	123	10-May-14 A	09-Sep-14 A																												
Cross Passage 3	129	31-Mar-14 A	28-Aug-14 A																												
Cross Passage 4	98	22-Mar-14 A	31-Jul-14 A																												
Cross Passage 5	289	31-May-14 A	16-Apr-15 A																												
Portal Structure	209	02-Sep-14 A	15-Apr-15 A																												
Contract Close Out	269	03-Mar-14 A	13-May-15																												
Construction CN-1300	1386	17-Jun-13 A	11-May-18																												
CN- 1300 Milestone	1790	17-Jun-13 A	11-May-18																												
Construction UMS Station P-1253	1790	17-Jun-13 A	11-May-18																												
Construction CTS Station P-1254R	2015	17-Jun-13 A	11-May-18																												
Construction YBM Station P-1255	1234	17-Jun-13 A	11-May-18																												
Construction STS P-1256	1234	17-Jun-13 A	11-May-18																												
UMS-1253 Contract Modification	533	13-Sep-13 A	30-Apr-15																												

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2015				2016				2017				2018				2019				2020				2021			
						Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
CENTRAL SUBWAY PROJECT						3036	01-Dec-08 A	30-Dec-20	0																								
Program Level Milestones						2072	30-Apr-15	30-Dec-20	0																								
MS0005	50% through Construction Project - Milestone #5	0		30-Apr-15*	1247	◆ 50% through Construction Project - Milestone #5																											
HldPt3	Tunnel Demobilization Complete	0		24-Jun-15	21	◆ Tunnel Demobilization Complete																											
HldPt4	Stations to Platform Level	0		18-Nov-16*	85	◆ Stations to Platform Level																											
MS0006	75% through Construction - Project Milestone #6	0		17-Jan-17*	618	◆ 75% through Construction - Project Milestone #6																											
MS0007	90% through Construction - Project Milestone #7	0		06-Dec-17*	295	◆ 90% through Construction - Project Milestone #7																											
STU1030	Accept CSP Funded LRVs	0		12-Feb-18	219	◆ Accept CSP Funded LRVs																											
HldPt5	Systems Complete	0		13-Apr-18	0	◆ Systems Complete																											
MS0008	Construction Complete	0		11-May-18	139	◆ Construction Complete																											
MS0019	Baseline Finish Date: 12-26-2018	0		26-Dec-18*	0	◆ Baseline Finish Date: 12-26-2018																											
MS0009	CSP Revenue Service Date	0		26-Dec-18*	0	◆ CSP Revenue Service Date																											
MS0010	Grant Closeout - CSP Complete	0		30-Dec-20	0	◆ Grant Closeout -																											
Light Rail Vehicles						2060	15-Apr-13 A	04-Dec-18	22																								
LRV1400	LRV Vendor Selection - 1.4.091.01.070.01 - Physical	305	15-Apr-13 A	06-May-15	14	LRV Vendor Selection - 1.4.091.01.070.01 - Physical																											
LRV1405	VLR Vendor Selection Payment 2	284	07-May-15	08-Mar-16	20	VLR Vendor Selection Payment 2																											
LRV1410	LRV Design Specification - 1.4.091.01.070.01 - Physical	53	09-Mar-16	20-May-16	14	LRV Design Specification - 1.4.091.01.070.01 - Physical																											
LRV1420	LRV Manufacture / Assemble - 1.4.091.97.070.01 - Contingency	252	23-May-16	19-May-17	14	LRV Manufacture / Assemble - 1.4.091.97.070.01 - Contingency																											
LRV1430	LRV Manufacture / Assemble - 1.4.091.01.070.01 - Physical	252	23-May-16	19-May-17	14	LRV Manufacture / Assemble - 1.4.091.01.070.01 - Physical																											
MS-LRV	LRV Delivery	0		04-Dec-18	14	◆ LRV Delivery																											
Real Estate						4051	01-Dec-08 A	31-Jan-20	334																								
CO1.510	Acquisitions, Appraisals, Relocation Consultant Cost Activity (LOE)	1631	01-Dec-08 A	29-May-15	703	Acquisitions, Appraisals, Relocation Consultant Cost Activity (LOE)																											
CO1.520	Real Estate Residential Relocation Cost Activity (LOE)	1631	01-Dec-08 A	29-May-15	703	Real Estate Residential Relocation Cost Activity (LOE)																											
CO1.521	Real Estate Commercial Relocation Cost Activity (LOE)	981	05-Jul-11 A	29-May-15	703	Real Estate Commercial Relocation Cost Activity (LOE)																											
CO1.530	Contingency Cost Activity (LOE)	353	02-Jan-14 A	29-May-15	703	Contingency Cost Activity (LOE)																											
Complete RE Processing Tunnel CP-1252						1990	01-Feb-12 A	31-Jan-20	230																								
REA10090	Caltrans Lease	1990	01-Feb-12 A	31-Jan-20	230	Caltrans Lease																											
Complete RE Processing CTS Station P-1254R						1432	01-Aug-10 A	30-May-15	1019																								
(211-011) Chinatown						1432	01-Aug-10 A	30-May-15	1019																								
Tenant Relocation (933 Stockton)						1432	01-Aug-10 A	30-May-15	1019																								
REA3165	933 Stockton, Unit 10 - Tenant Relocated	1277	01-Aug-10 A	30-Apr-15	1019	933 Stockton, Unit 10 - Tenant Relocated																											
REA3145	933 Stockton, Unit 9A - Tenant Relocated	1277	01-Apr-11 A	30-Apr-15	1019	933 Stockton, Unit 9A - Tenant Relocated																											
REA3155	933 Stockton, Unit 9B - Tenant Relocated	1277	15-Apr-11 A	30-Apr-15	1019	933 Stockton, Unit 9B - Tenant Relocated																											
REA3215	933 Stockton, Unit 16 - Tenant Relocated	1277	01-May-11 A	30-Apr-15	1019	933 Stockton, Unit 16 - Tenant Relocated																											
REA3075	933 Stockton, Unit 3B - Tenant Relocated	1277	09-May-11 A	30-Apr-15	1019	933 Stockton, Unit 3B - Tenant Relocated																											
REA3135	933 Stockton, Unit 8 - Tenant Relocated	1277	01-Jun-11 A	30-Apr-15	1019	933 Stockton, Unit 8 - Tenant Relocated																											
REA3055	933 Stockton, Unit 2 - Tenant Relocated	1277	01-Aug-11 A	30-Apr-15	1019	933 Stockton, Unit 2 - Tenant Relocated																											
REA3085	933 Stockton, Unit 4 - Tenant Relocated	1277	01-Sep-11 A	30-Apr-15	1019	933 Stockton, Unit 4 - Tenant Relocated																											
REA3115	933 Stockton, Unit 7A - Tenant Relocated	1277	14-Sep-11 A	30-Apr-15	1019	933 Stockton, Unit 7A - Tenant Relocated																											
REA3225	933 Stockton, Unit 17 - Tenant Relocated	1277	19-Sep-11 A	30-Apr-15	1019	933 Stockton, Unit 17 - Tenant Relocated																											
REA3065	933 Stockton, Unit 3A - Tenant Relocated	1277	01-Nov-11 A	30-Apr-15	1019	933 Stockton, Unit 3A - Tenant Relocated																											
REA3175	933 Stockton, Unit 11 - Tenant Relocated	1277	01-Nov-11 A	30-Apr-15	1019	933 Stockton, Unit 11 - Tenant Relocated																											
REA3195	933 Stockton, Unit 14 - Tenant Relocated	1277	09-Nov-11 A	08-May-15	1019	933 Stockton, Unit 14 - Tenant Relocated																											
REA3605	933 Stockton, Unit 1 - Tenant Relocated	1277	01-Dec-11 A	30-May-15	1019	933 Stockton, Unit 1 - Tenant Relocated																											
REA3235	Broadway Sansome Cert. of Occupancy	0		30-Apr-15*	-29	◆ Broadway Sansome Cert. of Occupancy																											
Construction Phase						2349	04-Jan-10 A	02-May-19	417																								
Construction Support and Costs						3406	04-Jan-10 A	02-May-19	608																								
Construction Tunnels CN-1252						809	14-Mar-12 A	24-Jun-15	138																								
1252 Tunnel Contract BIH						1021	14-Mar-12 A	15-May-15	0																								

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2015		2016				2017				2018				2019				2020				2021					
						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
Contract Milestones						0	15-May-15	15-May-15	0																								
TUN-01-1070	Final Completion (req'd May 15, 2015) - 1204 days	0	15-May-15	15-May-15	0	◆ Final Completion (req'd May 15, 2015) - 1204 days																											
General Conditions						980	14-Mar-12 A	15-May-15	0																								
TUN-02-1060	GE-9: Dispute Review Board Allowance	1130	14-Mar-12 A	15-May-15	0	■ GE-9: Dispute Review Board Allowance																											
TUN-02-1070	GE-10 Partnering Allowance	1130	14-Mar-12 A	15-May-15	0	■ GE-10: Partnering Allowance																											
TUN-02-1080	GE-11: Socially/Econ. Disadvantaged Employment Allowance	1130	14-Mar-12 A	15-May-15	0	■ GE-11: Socially/Econ. Disadvantaged Employment Allowance																											
TUN-02-1090	GE-12: Relocation of Existing Lighting Cont. Equipment Allowance	1130	14-Mar-12 A	15-May-15	0	■ GE-12: Relocation of Existing Lighting Cont. Equipment Allowance																											
TUN-02-1100	GE-13: Traffic Control-City Personnel Allowance	1130	14-Mar-12 A	15-May-15	0	■ GE-13: Traffic Control-City Personnel Allowance																											
TUN-02-1110	GE-7: Repair of Category B Pipes Allowance	1130	14-Mar-12 A	15-May-15	0	■ GE-7: Repair of Category B Pipes Allowance																											
TUN-02-1120	GE-8: Environmental Mitigation Allowance	1130	14-Mar-12 A	15-May-15	0	■ GE-8: Environmental Mitigation Allowance																											
TUN-02-1040	BP-2: Protection and Monitoring Allowance	1130	14-Mar-12 A	15-May-15	0	■ BP-2: Protection and Monitoring Allowance																											
TUN-02-1050	ES-8: Additional Costs of Hazardous Waste Allowance	1130	14-Mar-12 A	15-May-15	0	■ ES-8: Additional Costs of Hazardous Waste Allowance																											
Contract Modifications						936	14-Mar-12 A	15-May-15	0																								
TUN-02-1130	CA-2: SFMTA Excess GL Insurance Credit	0	14-Mar-12 A	15-May-15	0	■ CA-2: SFMTA Excess GL Insurance Credit																											
TUN-02-8640	CM- 20: PCC10- Credits for ST4, GE3, GE6, & ES6	5	30-Apr-14 A	30-Apr-15	14	■ CM- 20: PCC10- Credits for ST4, GE3, GE6, & ES6																											
TUN-02-1560	CM-46	0	02-Feb-15 A	30-Apr-15	14	■ CM-46																											
TUN-02-1580	CM-48	0	02-Mar-15 A	30-Apr-15	14	■ CM-48																											
Contract Close Out						35	28-Feb-15 A	13-May-15	0																								
TUN-13-2050	Demobilization - Remove Contractor & Owner's Offices	20	28-Feb-15 A	06-May-15	5	■ Demobilization - Remove Contractor & Owner's Offices																											
TUN-13-2060	Demobilization - Punchlist Activities	20	16-Apr-15 A	13-May-15	0	■ Demobilization - Punchlist Activities																											
TUN-13-2080	Demobilization - Transfer Site to Subsequent Contractor(s)	1	13-May-15	13-May-15	0	■ Demobilization - Transfer Site to Subsequent Contractor(s)																											
1252 Contingency, Interfaces, & Buffer Float						228	05-Sep-14 A	24-Jun-15	204																								
CO1.3.08300	CN 1252 Tunnel Contingency Cost Activity (LOE)	188	05-Sep-14 A	30-Apr-15	210	■ CN 1252 Tunnel Contingency Cost Activity (LOE)																											
BUF0007	TUN Buffer Float No. 7 to Stations UMS	95	30-Sep-14 A	24-Jun-15	21	■ TUN Buffer Float No. 7 to Stations UMS																											
TUN1180	CN 1252 Substantial Completion - CN 1252 & Master Schedule Interface	0	30-Apr-15	30-Apr-15	260	■ CN 1252 Substantial Completion - CN 1252 & Master Schedule Interface																											
TUN9990	CP-5 Complete- CN 1252 & Master Schedule Interface	0	30-Apr-15	30-Apr-15	86	■ CP-5 Complete- CN 1252 & Master Schedule Interface																											
BUF1047	TUN Buffer Float No. 7.75 to Stations YBM	0	30-Apr-15	30-Apr-15	60	■ TUN Buffer Float No. 7.75 to Stations YBM																											
TUN1190	CN 1252 Closeout Complete- CN 1252 & Master Schedule Interface	0	30-Apr-15	30-Apr-15	260	■ CN 1252 Closeout Complete- CN 1252 & Master Schedule Interface																											
Construction CN-1300						1234	17-Jun-13 A	11-May-18	660																								
CN- 1300 Milestone						1790	17-Jun-13 A	11-May-18	139																								
FDS2330	CN 1300- UMS, CTS, YBM, & STS Req'd Substantial Completion (1700 CD from NTP)	1700	17-Jun-13 A	10-Feb-18	1	■ CN 1300- UMS, CTS, YBM, & STS Req'd Substantial Completion (1700 CD from NTP)																											
UMS2100	CN 1300- UMS & YBM Req'd- Tunnel Interface Complete (620 CD from NTP)	620	17-Jun-13 A	30-Apr-15	88	■ CN 1300- UMS & YBM Req'd- Tunnel Interface Complete (620 CD from NTP)																											
CTS2120	CN 1300- CTS Req'd -Tunnel Interface Complete (450 CD from NTP)	450	17-Jun-13 A	30-Apr-15	28	■ CN 1300- CTS Req'd -Tunnel Interface Complete (450 CD from NTP)																											
STS10020	CN 1300- STS Req'd Tunnel Portal Completion (830 CD from NTP)	830	17-Jun-13 A	24-Sep-15	112	■ CN 1300- STS Req'd Tunnel Portal Completion (830 CD from NTP)																											
STS1500	CN 1300 Substantial Completion	0		10-Feb-18	1	◆ CN 1300 Substantial Completion																											
STS1510	CN 1300 Checklist and Closeout	90	11-Feb-18	11-May-18	139	■ CN 1300 Checklist and Closeout																											
BUF1017	STS Buffer Float- (44)	44	12-Feb-18	13-Apr-18	0	■ STS Buffer Float- (44)																											
STS1520	CN 1300 Final Completion	0		11-May-18	139	◆ CN 1300 Final Completion																											
Construction UMS Station P-1253						1579	14-Jan-14 A	11-May-18	964																								
UMS1020	UMS Guidewalls, Piles, Jet Grout, and Roof	320	14-Jan-14 A	17-Jul-15	5	■ UMS Guidewalls, Piles, Jet Grout, and Roof																											
BID-COST01	UMS All Location Cost (LOE)	487	21-Jul-14 A	30-Apr-15	1426	■ UMS All Location Cost (LOE)																											
UMS.31.32.100.1a	UMS_Jet Grout Piles - Stockton St East/West Side for Water Seal Rig#1 Pour 1A	12	05-Jan-15 A	30-Apr-15	1416	■ UMS_Jet Grout Piles - Stockton St East/West Side for Water Seal Rig#1 Pour 1A																											
UMS1040	UMS Garage Demo and Install Structural Elements to Garage Permanent Operations	160	05-Jan-15 A	19-Aug-15	4	■ UMS Garage Demo and Install Structural Elements to Garage Permanent Operations																											
UMS.31.20.202.1b	UMS_Excavate To Compensation Grout Level - Sta 135+92 To Sta 136+28	1	02-Feb-15 A	30-Apr-15	1420	■ UMS_Excavate To Compensation Grout Level - Sta 135+92 To Sta 136+28																											
UMS.31.32.100.2a	UMS_Jet Grout Stockton St East/West Side for Water Seal Rig#2 Pour 2A	10	02-Feb-15 A	30-Apr-15	1416	■ UMS_Jet Grout Stockton St East/West Side for Water Seal Rig#2 Pour 2A																											
UMS.31.43.510.1b	UMS_Install Compensation Grouting Tubes - Armani Sta 135+92 to 136+28	2	02-Feb-15 A	04-May-15	1423	■ UMS_Install Compensation Grouting Tubes - Armani Sta 135+92 to 136+28																											
UMS.02.41.0375	UMS_Demo Sub-Basement Walls, Beams & Lagging - Stockton St - Maiden To Geary (West Side)	5	02-Feb-15 A	06-May-15	1421	■ UMS_Demo Sub-Basement Walls, Beams & Lagging - Stockton St - Maiden To Geary (West Side)																											
UMS.03.30.200.2b	UMS_UMS_Formwork/Rebar Roof Deck and Pile Cap - Sta 136+28 to Sta 136+64	5	27-Feb-15 A	30-Apr-15	1413	■ UMS_UMS_Formwork/Rebar Roof Deck and Pile Cap - Sta 136+28 to Sta 136+64																											
UMS.03.30.205.2b	UMS_Place Concrete - Roof Deck and Pile Cap - Sta 136+28 to Sta 136+64	1	30-Apr-15	30-Apr-15	1413	■ UMS_Place Concrete - Roof Deck and Pile Cap - Sta 136+28 to Sta 136+64																											
UMS.23.34.0385	UMS_CN_Install HVAC Air Duct Risers to Conc Duct Below (In Union Square Garage Lvl 4)	5	30-Apr-15	06-May-15	1421	■ UMS_CN_Install HVAC Air Duct Risers to Conc Duct Below (In Union Square Garage Lvl 4)																											

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2015				2016				2017				2018				2019				2020				2021							
						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				
UMS.23.31.0045	UMS_ Install Temporary Ventilation & Utilities	6	30-Apr-15	07-May-15	1400																																
UMS.02.41.1750	UMS_ Install Temporary Vehicular Circulation at Union Garage	6	30-Apr-15	07-May-15	1400																																
UMS.23.34.0415	UMS_CN_Install Temporary HVAC Exhaust Duct (In Union Square Garage Lvl 4)	7	30-Apr-15	08-May-15	1419																																
1300 01 12 17 15b	Special Events: Post- Moratorium Coordination - Stockton Street	10	30-Apr-15*	13-May-15	1416																																
UMS.31.32.105.1a	UMS_Jet Grout Piles Stockton St East/West Side for Water Seal Rig#1 Pour 1A	12	30-Apr-15	15-May-15	1387																																
UMS.03.30.210.2b	UMS_Cure Concrete - Roof Deck and Pile Cap - Sta 136+28 to Sta 136+64	5	30-Apr-15	07-May-15	1413																																
UMS.31.32.100.3a	UMS_Jet Grout Stockton St East/West Side for Water Seal Rig#1 Pour 3A	9	01-May-15	13-May-15	1416																																
UMS.07.14.200.2b	UMS_Install Waterproofing System/Grout Cover - Roof Deck and Pile Cap - Sta 136+28 to Sta	1	04-May-15	05-May-15	1415																																
UMS.31.20.205.2b	UMS_Backfill Roof Section To Subgrade & Move Skid - Sta 136+28 to Sta 136+64	3	07-May-15	12-May-15	1413																																
UMS.02.41.0060	UMS_Demo Garage Roof Slab	5	07-May-15	14-May-15	1400																																
UMS.31.20.202.2b	UMS_Excavate To Compensation Grout Level - Sta 136+28 To Sta 136+64	0	12-May-15	12-May-15	1413																																
UMS.31.20.202.3b	UMS_Excavate To Compensation Grout Level - Sta 136+64 To Sta 137+00	1	12-May-15	13-May-15	1415																																
UMS.31.43.510.2b	UMS_Install Compensation Grouting Tubes - Apple Store, Armani Sta 136+28 to 136+64	5	12-May-15	19-May-15	1413																																
UMS.31.43.510.3b	UMS_Install Compensation Grouting Tubes - Apple Store Sta 136+64 to 137+00	2	13-May-15	15-May-15	1415																																
UMS.33.11.0100	UMS_Install New 8" Water Main - South Side Ellis St	0	14-May-15	14-May-15	1415																																
UMS.31.32.0070	UMS_Jet Grout Under South Wall Footings - USG	15	14-May-15	05-Jun-15	1400																																
UMS.31.41.0240	UMS_Install Sheet Piles @ Access Shaft #2 (O'Farrell)*	7	15-May-15	27-May-15	1387																																
UMS.33.31.200.3b	UMS_Install Utilities, OCS Pier #3, & Backfill Street - Sta 136+64 to Sta 137+00	7	15-May-15	27-May-15	1407																																
UMS.31.32.105.2a	UMS_Jet Grout Stockton St West/East Side for Water Seal Rig#2 Pour 2A	10	15-May-15	01-Jun-15	1387																																
UMS.31.50.0250	UMS_Excavate, Lag & Support @ Access Shaft #2 (O'Farrell)	11	27-May-15	11-Jun-15	1387																																
UMS.31.20.1365	UMS_Shore Tunnel and ready for break in- Sta 132+50 To North Headwall	15	27-May-15	17-Jun-15	1392																																
UMS.31.32.105.3a	UMS_Jet Grout Stockton St East/West Side for Water Seal Rig#1 Pour 3A	9	01-Jun-15	12-Jun-15	1395																																
UMS.31.50.0260	UMS_Install Temporary Lid @ Access Shaft #2 (O'Farrell)	10	11-Jun-15	25-Jun-15	1387																																
UMS2030	UMS Tunnel Interface Finish Cross Passages 3 & 4 (Req'd Feb 26, 2015)	0		24-Jun-15	32																																
UMS1050	UMS Excavate & Install Struts	184	20-Jul-15	12-Apr-16	5																																
UMS1060	UMS Garage Turn Over Garage	0		19-Aug-15	4																																
UMS1070	UMS Garage Remaining Work	555	20-Aug-15	31-Oct-17	4																																
UMS1080	UMS Place Invert, Install Walls, and Waterproof	230	13-Apr-16	10-Mar-17	5																																
UMS1090	UMS Install M/E/P	170	21-Dec-16	22-Aug-17	5																																
UMS1110	UMS Architectural Finishes	180	13-Mar-17	22-Nov-17	53																																
MPS-MOB-UMS04	UMS Mobilization Payment #4	1	22-Sep-17*	22-Sep-17	142																																
UMS1130	UMS Start Up & Testing	65	01-Nov-17	05-Feb-18	4																																
UMS2040	UMS P-1253 Commissioning Completion	0		05-Feb-18	5																																
MPS-MOB-UMS05	UMS Mobilization Payment #5	1	11-May-18*	11-May-18	139																																
Construction CTS Station P-1254R		1473	30-Apr-14 A	11-May-18	964																																
MPS-CTS 23 09 13 c	CTS_Procure: HVAC: Instrumentation & Control	120	30-Apr-14 A	27-Aug-15	899																																
BID-300C	CTS - All Locations	885	21-Jul-14 A	09-Feb-18	0																																
CTS1040	CTS Excavate Headhouse & Bracing	128	09-Oct-14 A	27-May-15	0																																
CTS.31.23.735	CTS_UM Drill & Install Dewatering Wells - In Headhouse - 4 ea	10	07-Jan-15 A	13-May-15	1385																																
MPS-CTS.03.30.090	Form/Rebar/Pour Surface Level Deck	30	16-Jan-15 A	14-May-15	691																																
C3.745	CTS_SU Drill & Install Dewatering Wells - In Stockton St - 24 ea	23	02-Mar-15 A	15-May-15	1414																																
CTS.03.30.093	Form/Rebar Surface Level Deck - Pour #2	9	20-Mar-15 A	27-May-15	1394																																
CTS.03.30.100	Cure & Strip Falsework for Surface Level Deck - Pour #1	12	27-Mar-15 A	01-Jun-15	1385																																
CTS.03.30.094	Form/Rebar Surface Level Deck - Pour #3	10	27-Mar-15 A	28-May-15	1394																																
CTS0020	CTS Tunnel Interface Finish Cross Passages 1 & 2 (Req'd Sept 9, 2014)	0		30-Apr-15	28																																
MPS-CTS.03.30.092	Install Base Support For Surface Level Deck Falsework	5	15-May-15	21-May-15	1410																																
CTS.03.30.098	Place Concrete Surface Level Deck - Pour #2	1	27-May-15	28-May-15	1394																																
CTS1050	CTS SEM & Install Supports	406	28-May-15	17-Jan-17	0																																
CTS.03.30.101	Cure & Strip Falsework for Surface Level Deck - Pour #2	12	28-May-15	15-Jun-15	1395																																
CTS.03.30.099	Place Concrete Surface Level Deck - Pour #3	1	28-May-15	29-May-15	1394																																

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2015				2016				2017				2018				2019				2020				2021			
						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
						Gantt Chart																											
CTS.03.30.102	Cure & Strip Falsework for Surface Level Deck - Pour #3	12	29-May-15	16-Jun-15	1394																												
CTS.33.31.300	CTS_Backfill & Complete Permanent Sewer Work In Washington St.	5	01-Jun-15	08-Jun-15	1385																												
CTS.31.23.240	Complete Backfill Deck @ Washington Street	5	08-Jun-15	15-Jun-15	1395																												
CTS.33.31.280	Install Sewer System Slip Lining - Washington/Stockton	15	08-Jun-15	29-Jun-15	1385																												
CTS1080	CTS Headhouse Structural Concrete / Remove Bracing	60	14-Dec-16	21-Mar-17	0																												
CTS1100	CTS Install M/E/P	145	22-Mar-17	16-Oct-17	0																												
CTS1110	CTS Headhouse Architectural	180	22-Mar-17	06-Dec-17	23																												
MPS-MOB-CTS04	CTS Mobilization Payment #4	1	22-Sep-17*	22-Sep-17	142																												
CTS1120	CTS Start Up & Testing	96	17-Oct-17	10-Feb-18	0																												
CTS0030	CTS P-1254R Commissioning Completion	0		10-Feb-18	0																												
MPS-MOB-CTS05	CTS Mobilization Payment #5	1	11-May-18*	11-May-18	139																												
Construction YBM Station P-1255		1137	01-Oct-13 A	11-May-18	660																												
YBM1020	YBM Install Slurry Walls & Roof/Restore Street	360	01-Oct-13 A	30-Jun-15	11																												
MPS-YBM.02.41.205	Utility Demolition	267	02-Dec-13 A	19-Jun-15	666																												
BID-170C	YBM - All Locations	1289	21-Jul-14 A	30-Apr-15	2072																												
MPS-YBM.03.30.810	Excavate Headhouse to Temp Strut Level 1 & Install Struts	20	27-Jan-15 A	30-Apr-15	1425																												
YBM.03.30.850	FRP OCS Pole Foundations (4 locations)- West Half Roof Slab	5	04-Mar-15 A	06-May-15	1421																												
YBM.03.30.1640	Form/Rebar Pour West Half Roof Slab Pour 6	4	23-Mar-15 A	05-May-15	1422																												
YBM.33.11.740	FRP Concrete Support for AWSS work- West Half Roof Slab	10	24-Mar-15 A	07-May-15	1410																												
YBM.31.50.149	Waterproofing & 48Hr Test & Grout Protection Slab - Clementina	11	29-Apr-15 A	08-May-15	0																												
YBM.33.11.760	Install Water Lines (20", 12", 8")/ Test- West Half Roof Slab	10	08-May-15 A	19-May-15	-34																												
YBM.33.11.750	Auxiliary Water Supply system (AWSS) work/ Test- West Half Roof Slab	10	08-May-15*	21-May-15	1410																												
YBM.31.50.159	Install Utilities Over Roof Deck - Clementina	5	11-May-15	14-May-15	0																												
YBM.26.05.0840	Install Electrical Conduit- West Half Roof Slab	10	20-May-15	29-May-15	-34																												
YBM.31.50.109	Shore Existing Tunnels	10	20-May-15*	04-Jun-15	1401																												
YBM.31.11.255	Place 12" Concrete Base/ AC- West Half Roof Slab	10	01-Jun-15	10-Jun-15	-34																												
YBM.31.50.109	Shore Existing Tunnels	10	11-Jun-15	22-Jun-15	-34																												
YBM1040	YBM Tunnel Interface Finish Cross Passages 1-5 (Req'd Feb 26, 2015)	0		24-Jun-15	331																												
YBM1050	YBM Excavate, Install Temp Struts & Construct Slabs to Station Platform	213	01-Jul-15	05-May-16	11																												
YBM1060	YBM Install Concrete, Remove Temp Struts, & Waterproof	165	06-May-16	30-Dec-16	26																												
YBM1080	YBM Install M/E/P	105	28-Sep-16	28-Feb-17	102																												
YBM1100	YBM Architectural Finishes	220	03-Jan-17	10-Nov-17	26																												
YBM1110	YBM Start-up & Testing	90	25-Aug-17	04-Jan-18	26																												
MPS-MOB-YBM04	YBM Mobilization Payment #4	1	22-Sep-17*	22-Sep-17	142																												
YBM0040	YBM P-1255 Commissioning Completion	0		04-Jan-18	37																												
YBM-999	YBM - Complete LOE Costs	0		10-Feb-18	229																												
MPS-MOB-YBM05	YBM Mobilization Payment #5	1	11-May-18*	11-May-18	139																												
Construction STS P-1256		1205	29-Jul-13 A	11-May-18	660																												
MPS-BID-636	Design ATSC Systems	178	29-Jul-13 A	15-Dec-15	543																												
STS1010	STS 4th Street Utility Work	370	15-Aug-13 A	06-Jan-16	6																												
STS.01.55.1100	Implement Pothole Street Closures	60	27-Jan-14 A	15-May-15	1369																												
MPS-BID-566	Design Sewer Elements 1-3 (65%)	128	31-Mar-14 A	04-Sep-15	891																												
MPS-BID-557	Procure Trackwork	248	31-Mar-14 A	25-Apr-16	454																												
BID-600C	STS Cost Activity (LOE)	1289	21-Jul-14 A	30-Apr-15	2072																												
MPS-BID-578	Stage 1 Modify Existing 78" Sewer Main & Laterals	90	31-Jul-14 A	07-May-15	696																												
MPS-BID-581	Stage 2 Install New 48" Gravity Sewer Main & Laterals	30	08-Sep-14 A	14-May-15	691																												
MPS-BID-637	ATSC Systems Equipment Procurement	81	30-Sep-14 A	24-Aug-15	621																												
MPS-BID-631	Install MRY Duct Bank 4th/Brannan	7	07-Jan-15 A	07-May-15	1843																												
MPS-BID-601	Install 12'/18" VCP Sewer	20	12-Jan-15 A	05-Jun-15	1400																												
MPS-BID-611	Install MRY Duct Bank 4th/Brannan	10	23-Jan-15 A	02-Jun-15	1821																												

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2015												2016				2017				2018				2019				2020				2021			
						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				
						Gantt Chart																																			
MPS-BID-591	78" Sewer Excavate/Lay/Backfill	10	23-Jan-15 A	04-Jun-15	1401	78" Sewer Excavate/Lay/Backfill																																			
STS.33.51.115	STS_PG&E Design Detail Period: Utilities: Gas Distribution 6" Main/Casing - 4th St -Bryant To V	90	21-Mar-15 A	21-Jul-15	1369	STS_PG&E Design Detail Period: Utilities: Gas Distribution 6" Main/Casing - 4th St -Bryant To Welsh St																																			
STS.33.31.430	78" Sewer - Brannan to Bluxome - F/R/P Crown	5	30-Mar-15 A	30-Apr-15	-3	78" Sewer - Brannan to Bluxome - F/R/P Crown																																			
STS.33.31.390	MRY Duct Bank Installation - Bluxome to Townsend	5	07-Apr-15 A	30-Apr-15	13	MRY Duct Bank Installation - Bluxome to Townsend																																			
STS.33.31.400	MRY Duct Bank Installation - Freeton to Welsh	5	07-Apr-15 A	15-May-15	-1	MRY Duct Bank Installation - Freeton to Welsh																																			
STS.33.31.410	Exc & Install Precast MRY Vaults - 4th Str	5	09-Apr-15 A	08-May-15	5	Exc & Install Precast MRY Vaults - 4th Str																																			
STS.33.31.380	STS_Install New Offset Sewer Manhole @ 4th St/Townsend	10	22-Apr-15 A	01-May-15	11	STS_Install New Offset Sewer Manhole @ 4th St/Townsend																																			
STS.33.31.450	Modify Existing 78" Sewer Main Brannan To Bluxome St Manhole	30	30-Apr-15	02-Jun-15	-46	Modify Existing 78" Sewer Main Brannan To Bluxome St Manhole																																			
STS.33.31.440	78" Sewer - Brannan to Townsend - Exc/Demo Brick Cap	15	01-May-15	18-May-15	-3	78" Sewer - Brannan to Townsend - Exc/Demo Brick Cap																																			
STS1100	Modify Existing 78" Sewer Main Bluxome to Townsend St Manhole +/-	30	03-Jun-15	06-Jul-15	-46	Modify Existing 78" Sewer Main Bluxome to Townsend St Manhole +/-																																			
STS1030	STS Tunnel Portal Completion Interface (Req'd Sept 24, 2015)	0		24-Sep-15	112	STS Tunnel Portal Completion Interface (Req'd Sept 24, 2015)																																			
STS1040	STS TUN Initial Electrical & ATSC work	90	07-Jan-16	12-May-16	6	STS TUN Initial Electrical & ATSC work																																			
STS1020	STS Construct Surface Station (4th and Brannan)	230	07-Jan-16	01-Dec-16	6	STS Construct Surface Station (4th and Brannan)																																			
STS1050	STS TUN Remaining Electrical & ATSC work	322	13-May-16	21-Aug-17	6	STS TUN Remaining Electrical & ATSC work																																			
STS1060	STS TUN F/R/P Invert & Walkways	95	05-Oct-16	21-Feb-17	23	STS TUN F/R/P Invert & Walkways																																			
STS1070	STS TUN Track Installation	110	22-Feb-17	27-Jul-17	23	STS TUN Track Installation																																			
STS1080	STS TUN Install OCS Contact Wire/RF/ATCS Cable Loop	40	22-Aug-17	17-Oct-17	6	STS TUN Install OCS Contact Wire/RF/ATCS Cable Loop																																			
MPS-MOB-STS04	SYS Mobilization Payment #4	1	22-Sep-17*	22-Sep-17	142	SYS Mobilization Payment #4																																			
STS1090	STS Startup & Testing- Tunnel & ATSC Systems	88	26-Oct-17	10-Feb-18	0	STS Startup & Testing- Tunnel & ATSC Systems																																			
STS0030	STS Substantial Completion	0		10-Feb-18	1	STS Substantial Completion																																			
MPS-MOB-STS05	SYS Mobilization Payment #5	1	11-May-18*	11-May-18	139	SYS Mobilization Payment #5																																			
UMS-1253 Contract Modification		0	28-Feb-15 A	30-Apr-15	2072																																				
CN1300-CM-006	CMOD #6	0	28-Feb-15 A	30-Apr-15	2072	CMOD #6																																			
CN1300-CM-007	CMOD #7	0	28-Feb-15 A	30-Apr-15	2072	CMOD #7																																			
Project Start Up		175	16-Apr-18	26-Dec-18	0																																				
STU1010	S&S Certification / Pre-Revenue Activities	115	16-Apr-18	27-Sep-18	0	S&S Certification / Pre-Revenue Activities																																			
BUF0018	Muni Float	60	28-Sep-18	26-Dec-18	0	Muni Float																																			
Unallocated Contingency		219	12-Feb-18	26-Dec-18	0																																				
CO1.700	Cost Activity Unallocated Contingency (LOE) - 1.7.500.99.090.00 - Contingency	219	12-Feb-18	26-Dec-18	0	Cost Activity Unallocated Contingency (LOE) - 1.7.500.99.090.																																			
Project Management		505	27-Dec-18	30-Dec-20	0																																				
CO1.840	Program Closeout	120	27-Dec-18	18-Jun-19	385	Program Closeout																																			
STU1040	After Study	505	27-Dec-18	30-Dec-20	0	After Study																																			

Appendix C

PROJECT SCOPE AND FUNDING OVERVIEW

Project Overview

The Central Subway Project will construct a modern, efficient light-rail line that will improve public transit in San Francisco. This new 1.7-mile extension of Muni's T Third Line will provide direct connections to major retail, sporting and cultural venues while efficiently transporting people to jobs, educational opportunities and other amenities throughout the city.

The Central Subway Project is Phase 2 of the San Francisco Municipal Transportation Agency's (SFMTA) Third Street Light Rail Transit Project. Phase 1 of the project constructed a 5.1-mile light-rail line along the densely populated 3rd Street corridor. It began revenue service in April 2007, restoring light-rail service to a high transit-ridership area of San Francisco for the first time in 50 years.

The Central Subway Project will extend the T Third Line from the 4th Street Caltrain Station to Chinatown, providing a direct, rapid transit link from the Bayshore and Mission Bay areas to SoMa, Union Square and downtown.

Four new stations will be built along the 1.7-mile project alignment—an above-ground station at 4th and Brannan streets and three underground stations at Moscone Center, Union Square and Chinatown.

The Central Subway will run through the burgeoning technology and digital-media hub in SoMa, where dozens of companies have taken up residence along the 4th Street corridor. Increased



Project Overview - continued

transit options will attract new employers – the Central Subway makes travel more convenient throughout the corridor and improves connections to downtown, local and regional rail and the Muni bus system.

The Central Subway Project will contribute to San Francisco’s economic competitiveness and help secure the city’s status of a regional, national and global hub. It will provide a pollution-free transit option that will reduce the environmental impact of transportation in the city, save natural resources, reduce traffic congestion and improve public transit for thousands of San Franciscans.

Funding Overview

The Central Subway Project is funded by the federal government, the State of California, the Metropolitan Transportation Commission, the San Francisco County Transportation Authority (SFCTA) and the City and County of San Francisco.

The majority of funding for the Central Subway Project is expected to be provided by the Federal Transit Administration’s (FTA) New Starts program, with a total commitment over the life of the project of \$942.2 million. To date, \$41 million in Department of Transportation Congestion Mitigation and Air Quality Improvement Program funds have been committed and expended.

With the addition in the December 2013 MPR of work to relocate the retrieval site for two tunnel boring machines (TBMs), the SFMTA’s baseline budget for the Central Subway Project is \$1.588 billion. In total, about half of the Third Street Light Rail Transit Project’s funding is from federal sources, with the remaining half from state and local sources. This is in line with the expectations of the FTA for New Starts-financed programs.

The table below summarizes the local, state and federal fund sources for both phases of the T Third Line including with the addition of the retrieval shaft to the Phase 2 totals.

	T Third (Phase 1)	Central Subway (Phase 2 + Retrieval Shaft Relocation)	Total (Phase 1 + Phase 2 + Retrieval Shaft Relocation)	Percentage of Total
Federal	\$123.380	\$983.225	\$1,106.605	49.5%
State	\$160.700	\$471.100	\$631.800	28.2%
Local	\$364.380	\$133.675	\$498.055	22.3%
Total	\$648.460	\$1,588.000	\$2,236.460	100.0%

All amounts in millions of dollars

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

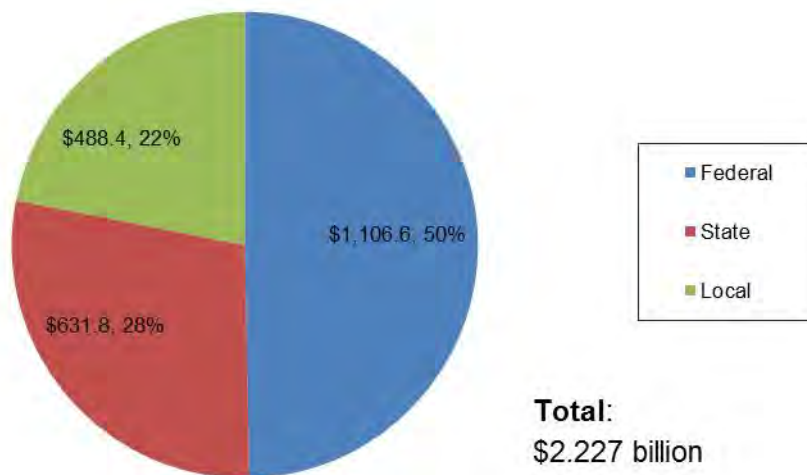
- Phase 1 + Phase 2 of the T Third Line federal, state and local funding percentages previous to the addition of the retrieval shaft relocation budget and funding in December 2013.

Funding Overview - continued

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

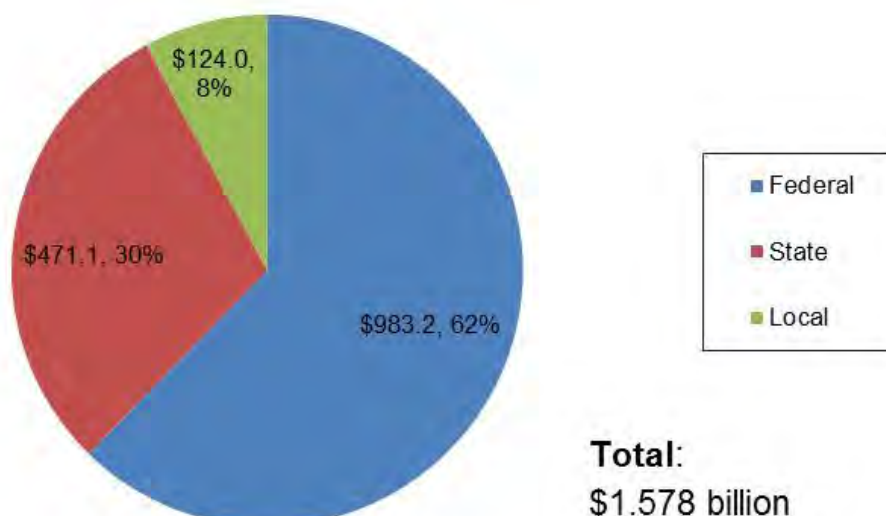
Third Street Light Rail Transit Project Funding

Phase 1 + Phase 2
(\$ in millions)



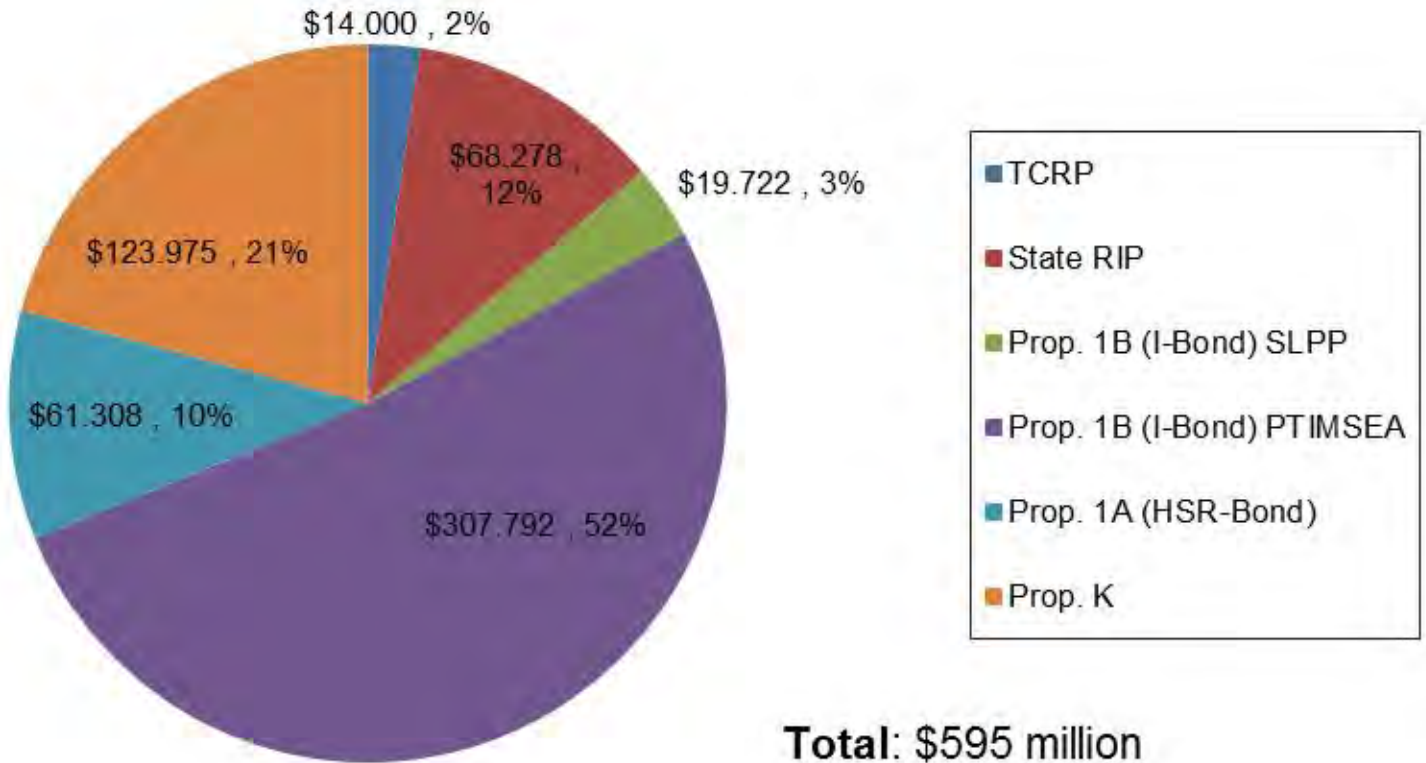
Central Subway Project Funding

Phase 2
(\$ in millions)



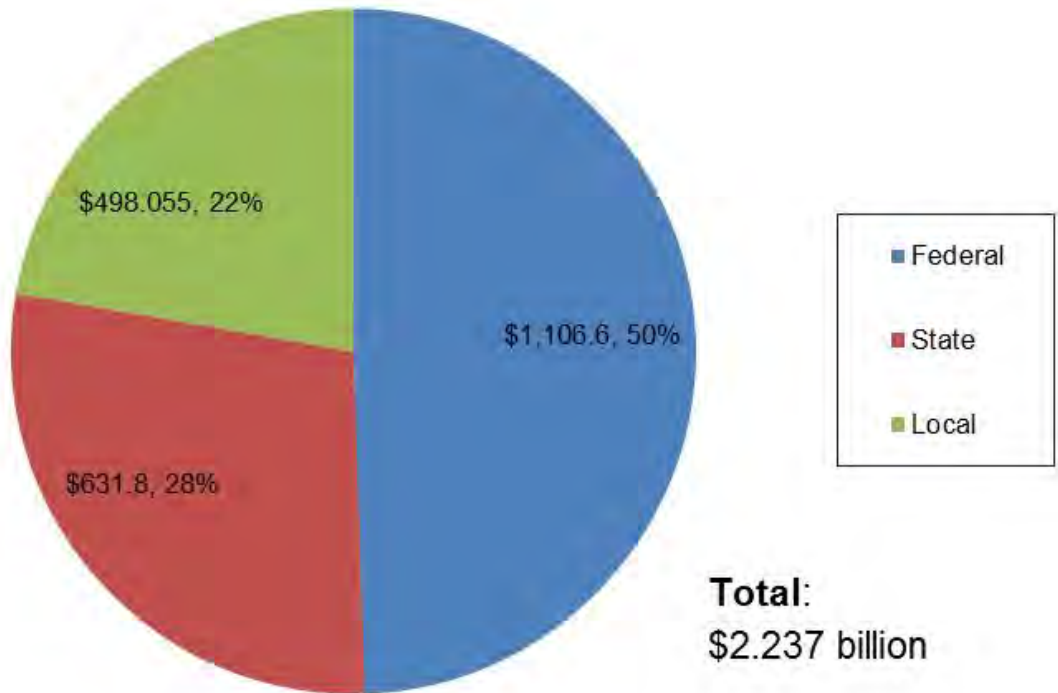
State and Local Funding

Phase 2
(\$ in millions)



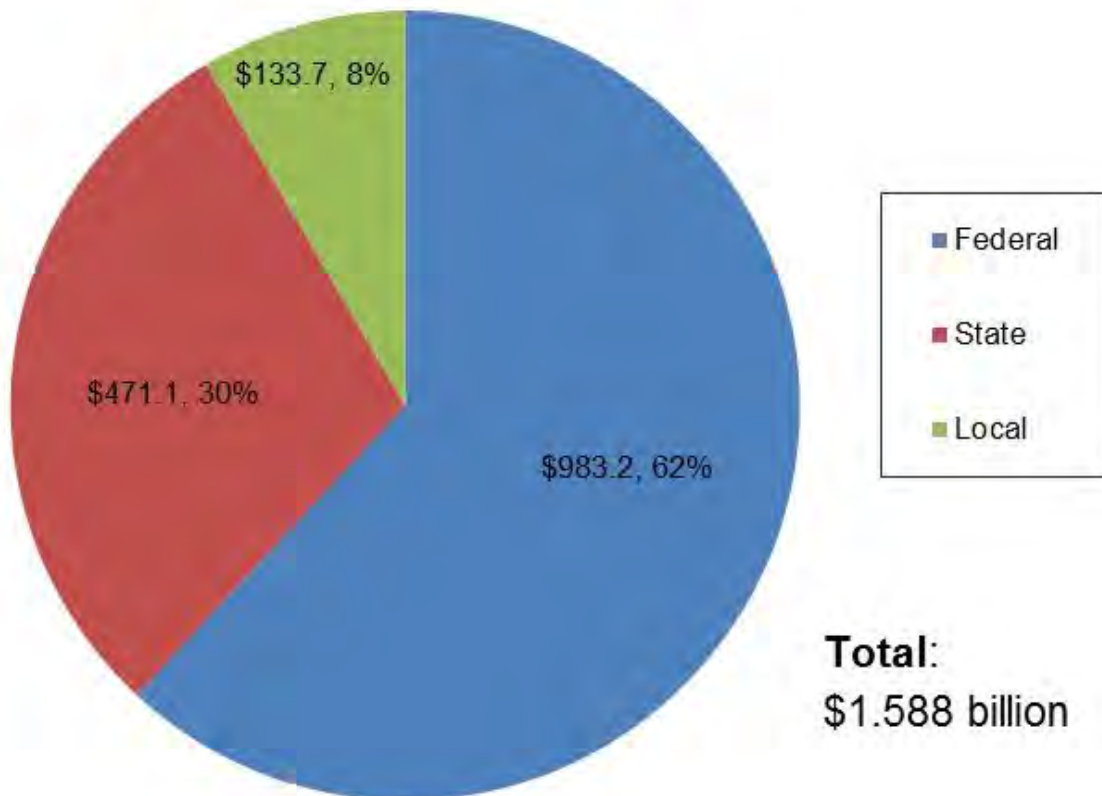
Third Street Light Rail Transit Project Funding

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

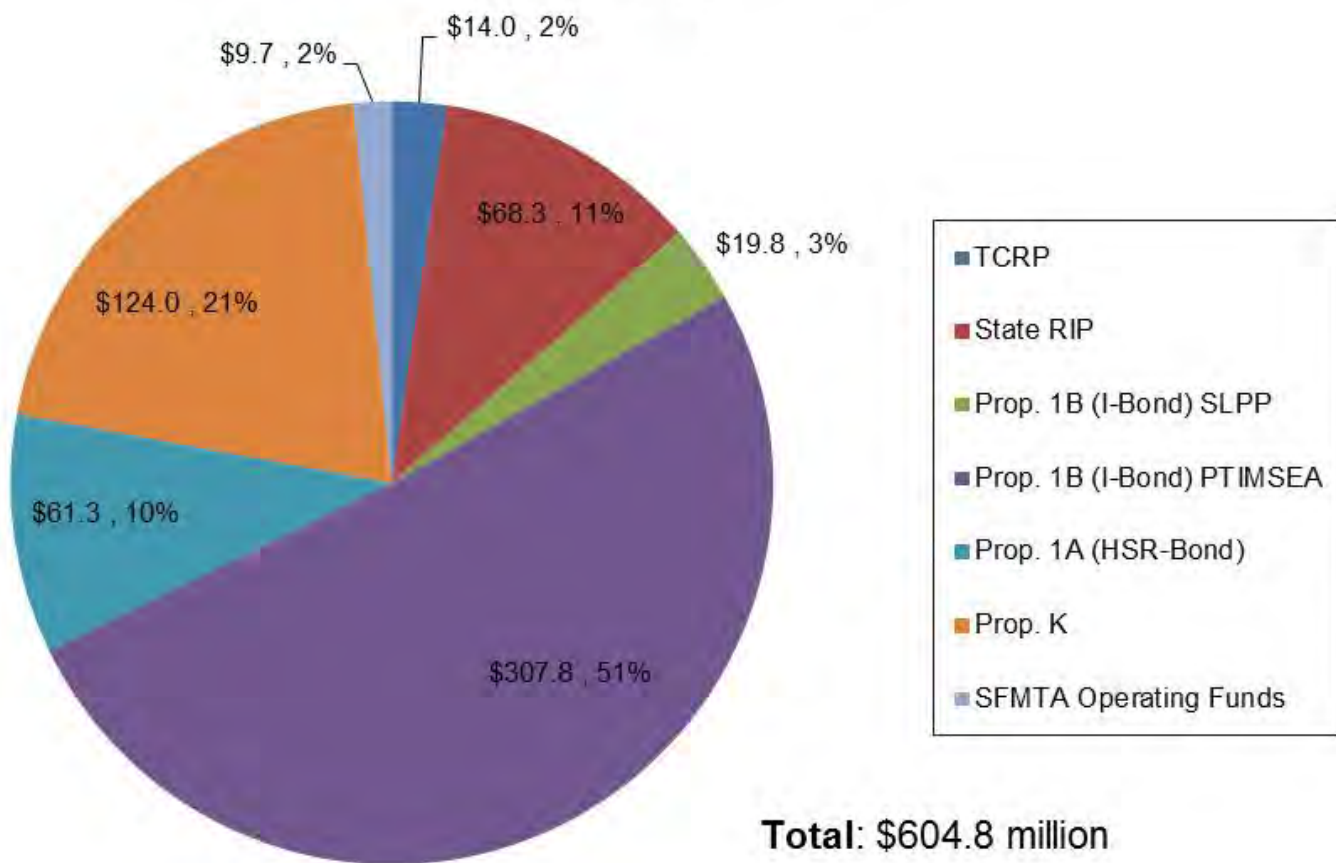


Central Subway Project Funding

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



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



Appendix D

COMPLETED CONTRACTS

Moscone Station and Portal Utility Relocation

Contract 1250

Contractor: Synergy Project Management, Inc.

Budget/Expenditures

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

Contract Details

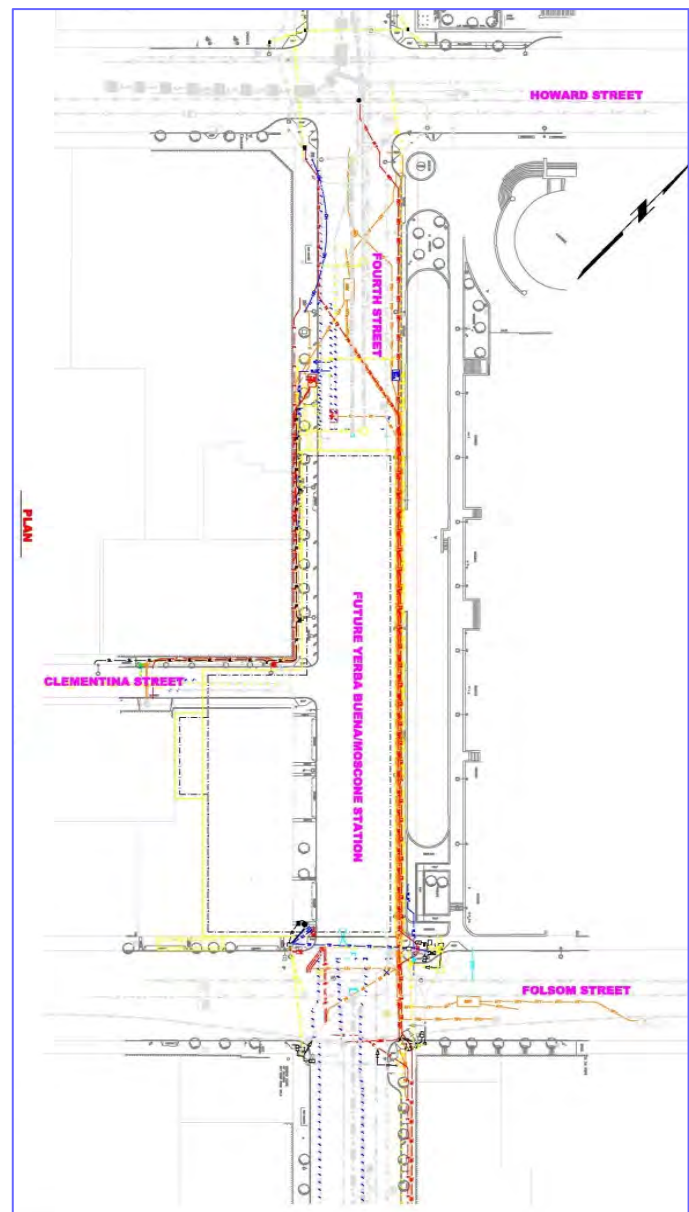
Contract Awarded:	November 17, 2009
Notice to Proceed:	January 4, 2010
Substantial Completion:	June 23, 2011
Contract Award Value:	\$ 9,273,939
Modifications Final :	\$ 2,694,211
Final Contract Value:	\$11,968,150

Status

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

Description

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



Union Square/Market Street Station Utility Relocation

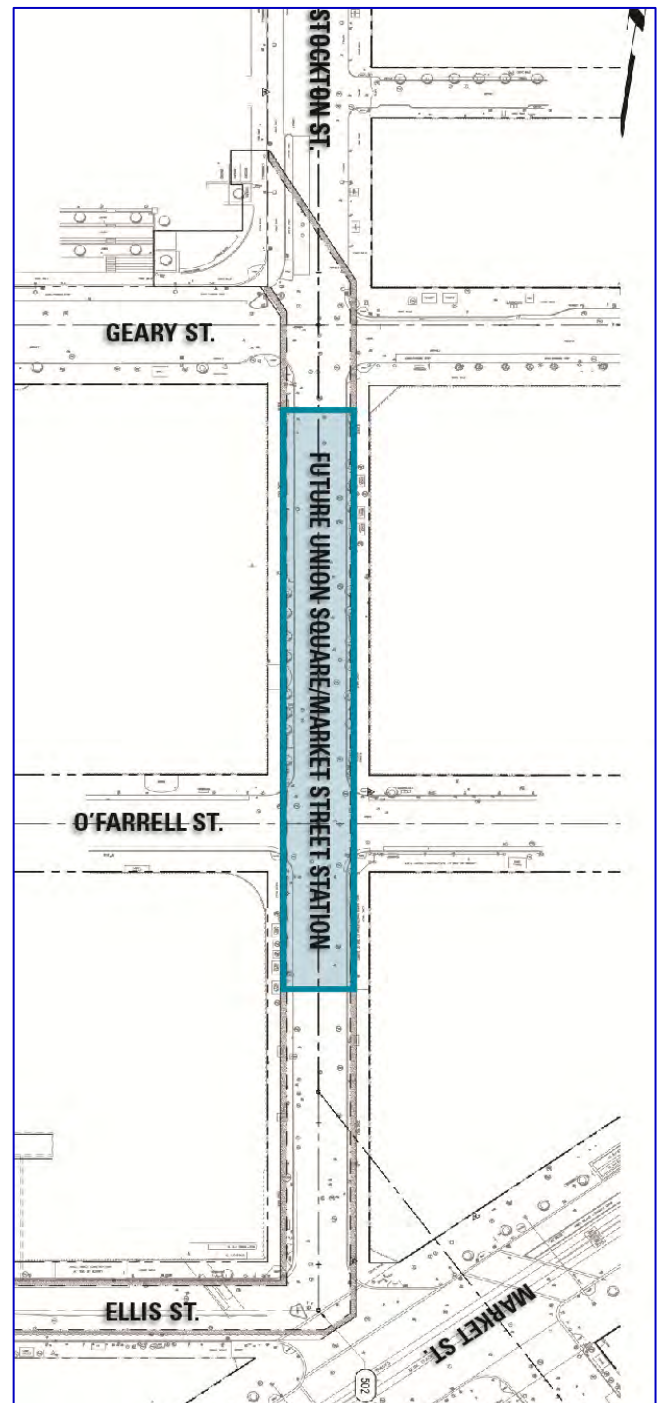
Contract 1251

Contractor: Synergy Project Management, Inc.

Budget/Expenditures	
Category	Amount
Original Budget	\$22,199,847
Expenditures Final	\$20,794,581
Utility Reimbursements	(7,413,510)
Final Program Costs	\$13,176,169
Budget Impact (Underrun)	(\$9,023,678)

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:	\$3,962,031
Final Contract Value:	\$20,794,581

Status

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

Central Subway Pagoda Palace Demolition

Contract 1277 Contractor: MH Construction

Work Description

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

- Work was substantially completed Sept. 24, 2013.
- Administrative closeout in progress.

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:	\$108,228
Current Contract Value:	\$678,134

Budget/Expenditures	
Category	Amount
Current Budget	\$722,592
Expenditures to Date	\$638,278



Appendix E

SBE PARTICIPATION

Quarterly Report

Current Report: April 2015 - June 2015

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, 2015.¹

CS Program SBE Summary Table for Professional Services and Construction Contracts

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

Contract No.	Contractor	Services/Segment	A	B	C	D	E	F	G	
			Contract Amount	SFMTA SBE Contract Goal	Contract Expenditure to Date (Est)	SBE Actual to Date	SBE Contract \$s = A * B	SBE Amount to Date = C * D	Contractor's SBE Goal (in Bid)	
A Project Professional Services Contracts			<i>millions</i>		<i>millions</i>		<i>millions</i>		<i>millions</i>	
1	149	CS Partnership	Project Management	\$85.14	30%	\$48.70	36%	\$25.54	\$17.61	31.4%
2	156	Hill International	Project Controls Task 1	\$17.11	26%	\$8.11	22%	\$4.45	\$1.77	26.0%
3	155-1	PB Telemon	Tunnels Design	\$7.49	30%	\$7.45	30%	\$2.25	\$2.24	31.6%
4	155-2	CS Design Group	Stations Design	\$36.52	30%	\$28.85	43%	\$10.96	\$12.40	36.4%
5	155-3	HNTB, Inc.- B&C	Systems, Track & Surface Station Design	\$17.23	30%	\$12.20	29%	\$5.17	\$3.49	30.0%
Subtotal Professional Services				\$163.50		\$105.31		\$48.36	\$37.51	
B Project Construction Contracts			<i>millions</i>		<i>millions</i>		<i>millions</i>		<i>millions</i>	
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%	238.75	5.8%	\$14.48	\$13.90	6.1%
4	1277	MH Construction	Pagoda Demolition	\$0.68	100%	\$0.64	100.0%	\$0.68	\$0.64	100.0%
5	1300	Tutor-Perini	Stations/Track/Systems - in Construction	\$838.24	20%	\$242.38	11.1%	\$167.65	\$26.84	25.5%
Subtotal Construction Contracts				\$1,112.98		\$514.53		\$189.36	\$71.18	
Contract	Contractor	Services/Segment	Base Contract	SFMTA Goal	Expenditures	SBE Actual	= A * B	= C * D	Bid Goal	
			A	B	C	D	E	F	G	

SBE Summary Table Notes and Sources:

- a) Column A is the base contract amount awarded. Column B is the Agency SBE goal percent for each contract awarded.

The SFMTA SBE Contract Goals are also on the Central Subway web site under the listing of on-going contracts – see **“Closed and Awarded Contracts”** at this link:

<http://centralsubwaysf.com/content/closed-and-awarded-contracts>

- b) Column C shows each contract's current amount expended to date (estimated) including accruals. Column D is the actual SBE percent level of each contract based on payments to date. Column E is the expected SBE dollar amount when the contract amount is completed and the SFMTA SBE goal achieved using this calculation: Columns A * B = Column E, the SBE Expected \$ Amount.

Column F is the actual SBE dollar amount out of the total contract expenditure to date:

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

The source of the SBE Actual percent to date and dollar amounts are Progress Payment Applications and Contractor's monthly submittals that may include the current estimated accruals. The BIH SBE percent is from the contractor's progress payment #37, Form 6.

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

- 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 21.8% 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 #15 March 2015, 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

Contract:	Project Management and Construction management	
Contract No.	CS-149 Central Subway Partnership	
Status:	On-going	
	Base Contract Value	\$85,139,092
	Approved Change Orders	-0-
	Current Contract Value	\$85,139,092
	Expended to Date (est.)	\$48,700,000
	% Expended	57.2%
	SBE Participation	36.2%

Contract:	Project Controls Cost and Schedule Support	
Contract No.	CS 156 Hill International Task 1	
Status:	On-going	
	Base Contract Value	\$17,112,873
	Approved Change Orders	-0-
	Current Contract Value	\$17,112,873
	Expended to Date (est.) (a)	\$8,105,085
	% Expended	47.4%
	SBE Participation	21.8%

Contract:	Design Package 1 for CNs 1250, 1251 and 1252 Tunnels	
Contract No.	CS-155-1 PB / Telemon	
Status:	Design is completed. Construction support ongoing	
	Base Contract Value	\$5,795,000
	Approved Change Orders (6)	\$1,697,245
	Current Contract Value	\$7,492,245
	Expended to Date (est.)	\$7,450,454
	% Expended	99.4%
	SBE Participation	30.0%

Contract:	Design Package 2 for 1253 UMS, 1254 CTS, 1255 YBM Stations.	
Contract No.	CS-155-2 Central Subway Design Group	
Status:	Design is completed. Construction support ongoing	
	Base Contract Value	\$35,059,252
	Approved Change Orders (1)	\$1,460,360
	Current Contract Value	\$36,519,612
	Expended to Date (est.)	\$28,847,529
	% Expended	79.0%
	SBE Participation	43.0%

Contract:	DP 3 Systems, Track work, Surface station.	
Contract No.	CS-155-3 HNTB-B&C	
Status:	Design is completed. Construction support ongoing	
	Base Contract Value	\$16,822,238
	Approved Change Orders (5)	\$312,814
	Current Contract Value	\$17,232,252
	Expended to Date (est.)	\$12,203,626
	% Expended	70.8%
	SBE Participation	28.6%

Notes:

(a) CS-156 cost for Jan - Mar 2015 is accruals.

Active and Completed Construction Contracts - SBE Participation Details

Contract: Synergy Inc Utility Relocation 1 YBM & Launch	
Contract No. 1250	
Status: Contract is completed and closed out	
Base Contract Value	\$9,273,939
Approved Change Orders	\$2,694,211
Final Contract Value	\$11,968,150
% Expended	100%
SBE SFMTA Goal	20%
SBE Participation To Date	97.2%

Contract: Synergy Inc Utility Relocation 2 UMS	
Contract No. 1251	
Status: Contract is completed and closed out	
Base Contract Value	\$16,832,550
Approved Change Orders	3,962,031
Final Contract Value	\$20,794,581
% Expended	100%
SBE SFMTA Goal	20.0%
SBE Participation To Date	87.4%

Contract: Pagoda Palace Demolition / MH Construction	
Contract No. 1277	
Status: Construction is complete. Contract in Close Out	
Base Contract Value	\$498,995
Approved Change Orders	\$179,139
Current Contract Value	\$678,134
Expended to Date (est.)	\$638,278
% Expended	94.12%
SBE SFMTA Goal	100.0%
SBE Participation To Date	100.0%

Contract: Tunnels Barnard/Impregilo/Haley	
Contract No. 1252*	
Status: Construction is underway and ongoing	
Base Contract Value	\$233,584,015
Approved Change Orders	\$7,707,417
Current Contract Value	\$241,291,432
Expended to Date (est.)	\$238,752,006
% Expended	98.9%
SBE SFMTA Goal	6.0%
SBE Participation To Date	5.8%

Contract: Stations and Systems / Tutor Perini	
Contract No. 1300*	
Status: Construction is underway and ongoing	
Base Contract Value	\$839,676,400
Approved Change Orders	(\$1,432,743)
Current Contract Value	\$838,243,657
Expended to Date (est.)	\$242,375,110
% Expended	28.9%
SBE SFMTA Goal	20.0%
SBE Participation To Date	11.1%

Notes:

* Contract 1252 and Contract 1300 March cost is accrual.

Photos on the next page:

The top three photos recount the special street reconstruction in December that was carried out for the mandatory Holiday Moratorium on construction in the downtown core area. Stockton Street between Market and Union Square was rebuilt to be an urban open space.

The photo at the bottom shows the scaffolding erected to complete the 4th Street transit portal between the surface and subway alignments.

central subway

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